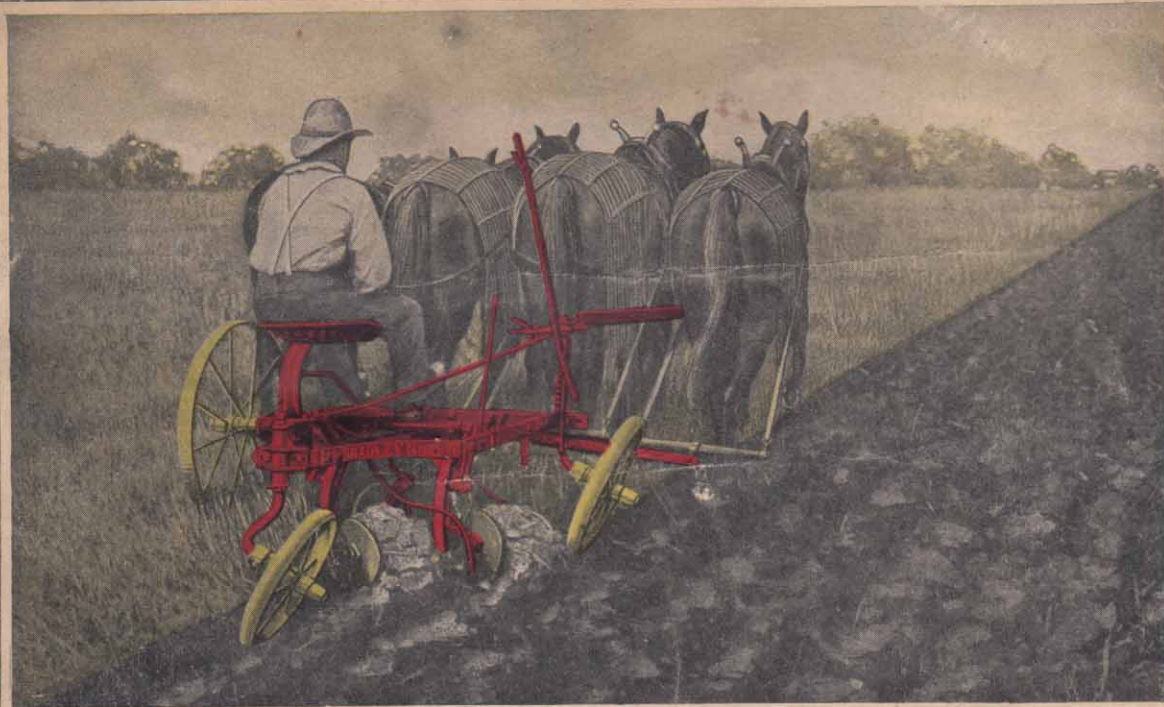


1914



DAVID BRADLEY FARM IMPLEMENTS



SEARS, ROEBUCK AND CO.
CHICAGO



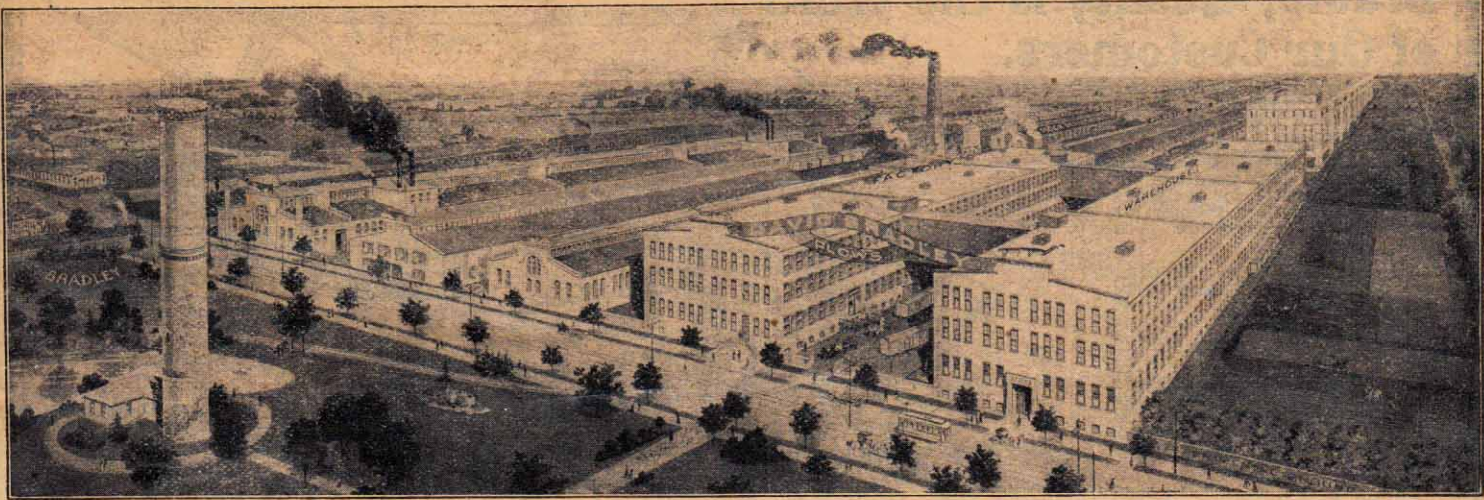
DAVID BRADLEY FARM IMPLEMENTS



ALWAYS HIGHEST IN QUALITY — NOW LOWEST IN PRICE

DAVID BRADLEY
AMERICA'S PIONEER PLOW MAKER

THE DAVID BRADLEY TRADE MARK
THE HONOR MARK OF QUALITY



THE BIG DAVID BRADLEY FACTORY—FOUNDED 1832

Our Position in the Farm Implement Trade

Why Every Farmer Should Use David Bradley Implements

By our purchase of the big David Bradley implement factory in 1910 we became the first and only concern to manufacture a complete line of high quality farm implements and sell its output direct to the consumer, saving him the enormous profits which the merchandising methods of other implement manufacturers permit the jobber and dealer to exact.

We are manufacturers; every implement bearing the David Bradley trade mark is made complete by us in the big Bradley factory. We have absolute control of the quality of our product. We know positively the kind of material and how much of it goes into every article we produce. Every implement is made strictly according to our own specifications. We buy our own raw material, we operate our own foundries and our own laboratories and our own inspectors pass on the quality before it ever enters into an implement. Our organization comprises some of the world's most expert implement builders, men who have spent the greater part of their lives right in this factory, some of them more than thirty years. If experience counts for anything, and it surely does when making implements, no other manufacturer is better qualified than we are to make good implements.

QUALITY FOR QUALITY. we sell farm implements for lower prices than any other concern. Should anyone offer you similar implements for less money or for even the same money, they can do so only by furnishing goods of a quality inferior to those we make at the Bradley factory. Remember this: should you buy elsewhere than from us you pay at least two profits, because other manufacturers do not sell at retail; they realize their profit when they sell to the retailer and he must necessarily add a second profit when he sells to you. At the Bradley factory we can produce as economically as any of the other large implement manufacturers; and as the profit we add is invariably smaller than others secure from their largest dealers, it stands to reason that our price represents more quality, more value, than you could possibly obtain in buying from those who do not manufacture the goods they sell. We always welcome a comparison of our goods with those of others and should you have any doubts the best way to settle matters is to order from us and our competitors as well, with the understanding that you keep the goods which you find to be the best value. We will fill any order with this understanding and urge you to put the quality of our implements to such a test.

There is absolutely nothing experimental about David Bradley Implements. They are the result of the eighty-one years' implement building experience of the Bradley factory. Every implement has been thoroughly tried and tested not only in the shop and on our own experimental farm at Bradley, but in the hands of thousands of farmers in every section of the country. This period of test has not been one season nor two seasons, but has extended over eighty-one years, ever since the Bradley factory was founded. Each year has brought new ideas, new features and improvements until Bradley implements have been brought up to their present highly perfected standard. Over all other implement manufacturers we hold the wonderful advantage of the Bradley factory's eighty-one years' experience.

We appreciate the importance of furnishing repairs and doing it promptly. We own the patterns for nearly every Bradley implement ever made. We carry in stock at all times a complete line of all repair parts for which there could be demand, and conduct a special department for the handling of repair orders, whose duty it is to ship every order the day it is received. We absolutely guarantee to furnish repairs for any implement you buy from us and at a saving of 25 to 50 per cent compared with prices asked by dealers. We feel that we have solved the repair problem for all time to come. No one can serve you better and no dealer, large or small, who does not manufacture his own implements, who changes his source of supply



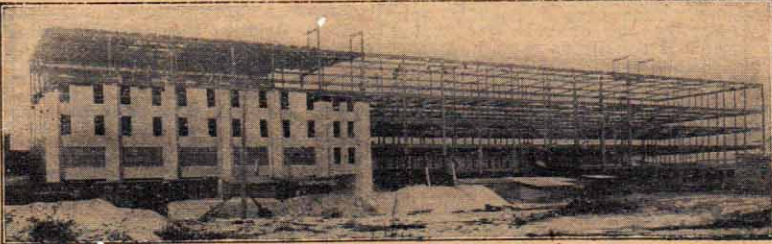
Our Mammoth New Warehouse Now Completed.

try to avoid them by fitting all parts at the factory and shipping our implements as nearly set up as possible and yet insure the lowest freight rate. Not only will you find that all parts fit perfectly and go together easily, but our bundling and crating are so strongly and carefully done that loss or damage in transit can but seldom if ever occur.

QUICK SERVICE.

Our facilities for manufacturing and shipping are unsurpassed by those of any other implement maker. During the past year thousands of dollars' worth of improved machinery has been installed to increase our production and to reduce costs. A mammoth new five-story brick warehouse, giving us acres of additional floor space, has been erected. We have been running our factory full force, and our warehouses are filled with thousands of plows, harrows, cultivators, planters, etc., ready for shipment. We have our own railroad tracks extending to these warehouses and the goods are loaded directly into the cars and dispatched directly to our customers. We aim to ship every order the day it is received, and we have made such preparations for meeting the already enormous and constantly increasing demand for David Bradley implements that we can at all times render the quick service to which every customer is entitled, and we do not intend that a single one shall be disappointed.

There are a multitude of reasons why you should use Bradley Implements, but aside from the assurance that you are going to get exactly what you want and get it promptly and for less money than you can elsewhere, the unequalled liberality of our guarantee should be the deciding factor. Such absolute protection is offered by no other concern. You simply can't lose when you deal with us. Read our guarantee, then put us to the test. We will give you quality, value and service, such as you have never experienced, or we bear all the loss.



Our Mammoth New Warehouse During Construction.

THE BEST PROOF

That We Can Offer of David Bradley Quality is the Word of Our Customers.

Henry Weiss, Woodstock, Ill., says—My David Bradley Spreader works fine and is as good as any \$125.00 spreader.

Henry Schoenthal, Herman, Minn., says—I have been using a Bradley Cultivator for six years and a Bradley Corn Planter for twelve years. They are both good yet.

Frank Lloyd, Pekin, N. Dak., says—The Bradley X-Rays Sulky Plow works excellent, easiest handled, lightest draft and does the nicest work of any plow I ever used.

E. J. Waters, Austin, Ind., says—Received the Bradley implements and was tremendously well pleased with them, and never saw better of any make or at any price.

Inman Kesler, Clarkshill, Ind., says—The Bradley Gang Plow and Tu-Ro Cultivator bought of you last year are the best set of tools I ever used. Everybody was surprised when they saw them.

Wm. Syfert, Shelbyville, Ill., says—I saved from \$8.00 to \$10.00 in buying the Bradley X-Rays Sulky Plow from you. It beats anything I have ever seen in plows for good work and light draft.

Chas. C. Miner, Arkansas, Wis., says—Your Bradley General Purpose Plow is rightly named. I have tried it in tough sod, corn stubble and trashy land. For light draft and good work it is the best plow I ever used.

H. L. Jencks, Willow Lake, S. Dak., says—I am well pleased with the Bradley Tu-Ro Cultivator and No. 15 Corn Planter. They are up to date and your prices are right. You will receive more implement orders from here.

Ole H. Myhus, Tiago, N. Dak., says—The Bradley Garden City Clipper Walking Plow I bought from you this spring is as good a plow as can be made in any factory in the world. It is strongly made and does good work.

Andrew E. Sauer, Washburn, N. Dak., says—The Bradley Sulky Plow bought of you is an A No. 1 plow in every respect. I have been using a Bradley gang for nine years. It is good yet. Will get another soon and it sure will be a Bradley.

A. H. Shrump, Niles, Mich., says—There is no better corn plow made than the Little Jap bought of you. The same can be said of the No. 15 corn planter and the harrow. The gang plow is also a dandy. It cannot be beat for any kind of soil.

Henry G. Goff, Hinckley, Minn., says—The Little Jap Cultivator bought last spring is more than we expected. We can do any kind of cultivating and do it right. We used it on brush breaking on stony land, on heavy clay and on sand. It was all alike to the Little Jap.

Wm. C. Rice, Middleton, Mich., says—I want to tell you that the Little Jap Cultivator and two Bradley Plows bought of you last year have them all beat. You are certainly trying to do something for your customers all the time.

E. J. Kentnich, Monon, Ind., says—The David Bradley Walking Plow bought of you is sure a dandy. Saved \$4.00 on it and got a better plow. Also have a Bradley Gang Plow bought of you last spring, which is equally as good, and saved \$18.00 on it.

Earl H. Plotner, North Grove, Ill., says—I ordered one of your Bradley Spreaders and am well pleased with it. The only thing I regret is that I didn't get one sooner. It will make a man more money than any other piece of machinery.

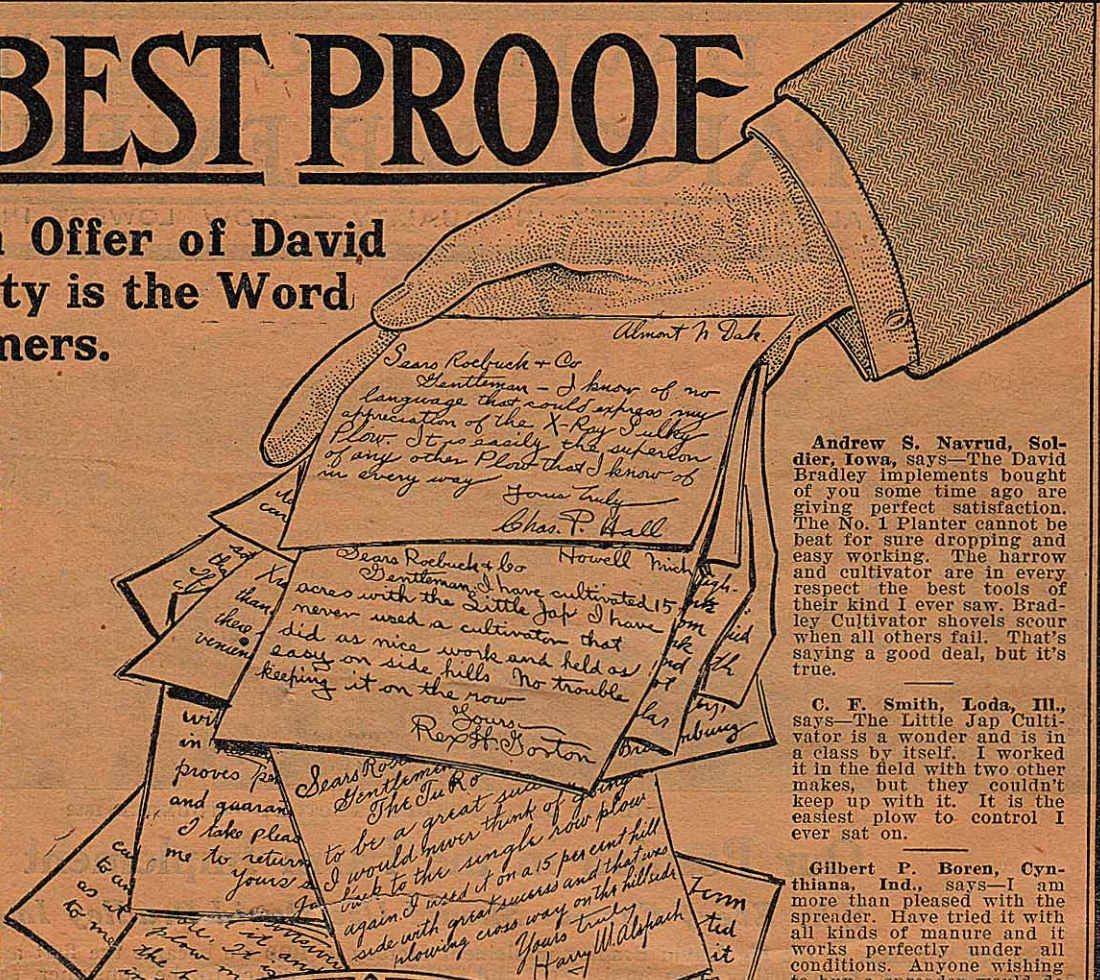
A. C. Jones, Richey, Ill., says—I have tried my Bradley Spreader thoroughly and am well pleased with it. The machine is all you claim and I no longer wonder how you can place such a broad and binding guarantee upon it. I take pleasure in recommending it to my friends. If you ever expect me to return the spreader you are likely to be disappointed.

A. C. Griffith, Pleasant Hill, Ill., says—I cannot speak highly enough of your Bradley Sulky Plow. It answers every word you say about it and a great deal more. It is the easiest plow for draft on team and turns the land the best I ever saw. Your instructions for setting up your tools are better than agents'. I received plow in good shape and every piece was in its place.

Our Guarantee

We guarantee every David Bradley implement purchased from us to reach its purchaser promptly and without loss or damage. We will replace any parts lost or broken in transit without extra charge to the purchaser. Should an entire shipment be lost or delayed in transit, we will either duplicate the shipment or return the money paid for it, whichever is desired. Every implement is sold subject to a fair trial in the field and with the understanding that should it not prove exactly as represented by us, or for any reason it fails to satisfy its purchaser, we will accept its return and exchange it for a satisfactory article of its kind at our expense, or we will return all money paid us for it together with the amount of freight charges paid by our customer. We also guarantee to replace any defective parts without extra charge to purchaser, and to furnish other repairs promptly and at low prices whenever ordered from us.

SEARS, ROEBUCK AND CO.



Andrew S. Navrud, Soldier, Iowa, says—The David Bradley implements bought of you some time ago are giving perfect satisfaction. The No. 1 Planter cannot be beat for sure dropping and easy working. The harrow and cultivator are in every respect the best tools of their kind I ever saw. Bradley Cultivator shovels scour when all others fail. That's saying a good deal, but it's true.

C. F. Smith, Loda, Ill., says—The Little Jap Cultivator is a wonder and is in a class by itself. I worked it in the field with two other makes, but they couldn't keep up with it. It is the easiest plow to control I ever sat on.

Gilbert P. Boren, Cynthiana, Ind., says—I am more than pleased with the spreader. Have tried it with all kinds of manure and it works perfectly under all conditions. Anyone wishing to buy a spreader would do well to investigate the David Bradley, before buying. He will save from \$35.00 to \$50.00 in price and the David Bradley will do the work as well as any of the higher priced machines. Would be glad to recommend the David Bradley Spreader to any prospective buyer.

Bransford Green, Algood, Tenn., says—I am well pleased with the Little Jap Cultivator which I ordered from you last spring. It is far ahead of all other makes I ever saw, and we have about five different makes in this community. The Little Jap will plow where any plow will and where some won't. It will do very good cross breaking with the disc gangs set to throw the dirt all the same way. I have failed to do that kind of work with other makes. Some of my neighbors are talking about ordering Little Jap Cultivators and I am doing everything I can for you. Am using my plow for an advertisement.

John M. Tibbs, Vaughn, Miss., says—Your check for \$1.20 just received. In sending me this I feel that you are doing a little more than your guarantee calls for. Allow me to say I appreciate your way of doing business. You are the one firm that means to stand up to its guarantee. I have spent several hundred dollars with you and I have never bought anything that was not exactly as represented. Some dealers have tried to convince us that you would not live up to your guarantee, but when I showed them your check it was just like driving a 20-penny nail into a weak piece of lumber. Everyone admits that you are the one reliable firm in the United States.

David Bradley Garden City Clipper Walkin Plows

For eighty-one years David Bradley Garden City Clipper Plows have been recognized as the standard walking plows of America, and a careful comparison with other makes will convince you that their quality cannot be surpassed. Every David Bradley plow is sold subject to a fair test in your own field and with the understanding that it must please you perfectly, that it must satisfy you as well as any other make of plow you can buy at any price, or we expect you to return it to us at our expense and we will return to you the full purchase price, together with the freight charges you paid.

MOLDBOARDS, SHARES AND LANDSIDES are made of the very best hard tempered soft center steel. **SHARES** are 5/16 inch thick, and have reinforced points, insuring long wear.

MOLDBOARDS are double shinned, that is, an extra thickness of hard steel is welded on top of the front of the moldboard, the point where the wear is the greatest. This insures double the wearing qualities obtained by placing the shin underneath, as most makers do.

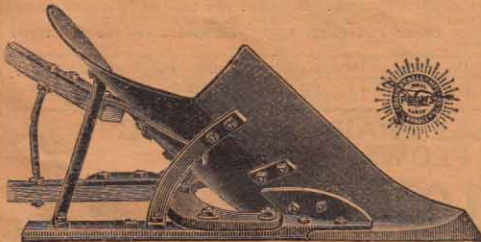
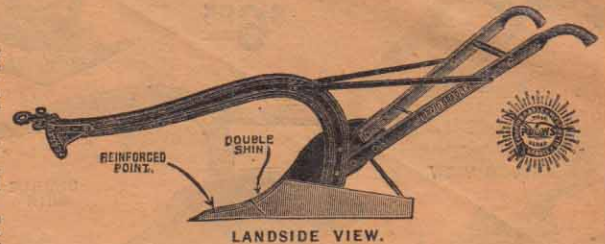
LANDSIDES are medium high, as shown in illustration, and are double thickness at the heel, where the wear is the greatest. They are bolted to an inner steel landside bar, which is securely welded to the steel frog underneath the moldboard and share.

The illustration here shows the bottom construction of the 14 and 16-inch plows. The 12-inch plow is the same, excepting that the round brace from landside to back of moldboard, and the short flat brace just above the frog, are omitted.

TEMPERING: Moldboard, share and landside are all uniformly hard tempered by the David Bradley special process, insuring the best wearing and easiest scouring qualities. They are carefully ground and highly polished, the grinding of the plow bottom being done in the same direction as the land or furrow slice follows the mold. That is one reason why David Bradley plows scour quicker and better than others. The entire bottom is strongly braced, as shown in the illustration.

STEEL BEAMS are made of the very best double beaded high carbon steel. They are heavy enough to insure ample strength and are formed with high arch so as to clear in trashy land. Clevises are malleable iron, broad and adjustable in all directions. Beams on 12 and 14-inch plows are set for two horses, and on 16-inch plows for three horses.

Handles are first quality steam bent oak, securely attached and braced to the beam with flat steel braces. The plows are finished in the standard David Bradley colors of bright red, yellow and black. Not only the highest grade, but the best finished plows made are the equal of other standard plows for which dealers ask from \$12.00 to \$16.00 and in some localities more. Aside from the shapes of the moldboards and shares the bottom construction of the four styles of plows shown on this page is identical.



David Bradley Garden City Clipper. Right Hand. Steel Beam. Stubble Plow. \$7⁹⁸

MOLD, SHARE AND LANDSIDE,
SOFT CENTER STEEL.

These plows are intended for use in old stubble ground. They have a bluff or short turn moldboard which pulverizes the soil, turns under stubble, weeds and cornstalks more thoroughly than any other shape. We recommend this shape for all old ground which has been highly cultivated. It will scour in black, sticky or hard soil. We do not recommend this shape for sod plowing.

This plow is made of the very best material. A complete description of the construction is given above. Cast or chilled shares can also be used on this plow, as the heavy steel frog reinforces the share point.

Prices are for the plows complete with soft center steel moldboard, landside and share. Shipped from the big David Bradley factory at BRADLEY, ILL.

PRICES OF DAVID BRADLEY RIGHT HAND STUBBLE PLOWS.

Our Catalog No.	Bradley's No.	Size, Inches	Weight, Pounds	Price	Extra Shares. Price, Each		
					Soft Center Steel	Crucible Steel	Chilled
32B101	L533	12	111	\$ 7.98	\$1.80	\$1.40	53c
32B102	L545	14	120	9.23	2.00	1.60	80c
32B103	L570	16	125	10.48	2.20	1.80	67c

David Bradley Garden City Clipper. Left Hand. Steel Beam. General Purpose Plow. \$8⁵³

MOLD, SHARE AND
LANDSIDE SOFT
CENTER STEEL.

DOUBLE SHIN.
REINFORCED SHARE POINT.

While right hand plows are almost universally used, some sections of the country still demand the left hand shape and to accommodate such customers we furnish this shape of plow in left hand.

These plows are the same shape as our right hand General Purpose plows described above, except that they turn the furrow to the left or just opposite from the right hand plow. They are intended for use in heavy stubble, clover, timothy or blue grass sod and for deep stubble plowing. A complete description of the construction of these plows is given above. Cast or chilled shares can also be used on this plow, as the steel frog reinforces the share point.

Prices are for the plows complete with soft center steel moldboard, landside and share. Shipped from the big David Bradley factory at BRADLEY, ILL.

PRICES OF DAVID BRADLEY LEFT HAND GENERAL PURPOSE PLOWS.

Our Catalog No.	Bradley's No.	Size, Inches	Weight, Pounds	Price	Extra Shares. Price, Each		
					Soft Center Steel	Crucible Steel	Chilled
32B110	L519½	12	113	\$ 8.53	\$1.83	\$1.43	56c
32B111	L521	14	123	9.78	2.03	1.63	63c
32B112	L577	16	128	11.03	2.23	1.83	70c

Crucible steel shares are best for stony and stumpy ground, especially in the Northwest, as they have a mild, natural temper, and while they will not wear so long as the hard tempered, soft center steel share, they are not as liable to break should the plow strike an obstruction.

David Bradley Garden City Clipper. Right Hand. Steel Beam. General Purpose Plow. \$8⁴⁸

MOLD, SHARE AND LANDSIDE,
SOFT CENTER STEEL.

This shape of plow is also known as the Turf and Stubble or Sod. It differs from the stubble plow by having a longer turn moldboard which turns the furrow slice clear over. We recommend this shape for turning under very weedy ground, clover, timothy or blue grass sod and for deep stubble plowing. It is not intended for the average stubble or old ground, unless the soil is not difficult to turn, as the moldboard is long and in wet or sticky stubble ground will not do as satisfactory work as the regular stubble shape. Cast or chilled shares can also be used on this plow as the heavy steel frog reinforces the share point. A complete description of the construction of these plows is given above.

Prices are for the plows complete with soft center steel moldboard, landside and share. Shipped from the big David Bradley factory at BRADLEY, ILL.

PRICES OF DAVID BRADLEY RIGHT HAND GENERAL PURPOSE PLOWS.

Our Catalog No.	Bradley's No.	Size, Inches	Weight, Pounds	Price	Extra Shares. Price, Each		
					Soft Center Steel	Crucible Steel	Chilled
32B105	L519½	12	113	\$ 8.48	\$1.82	\$1.42	55c
32B106	L521	14	122	9.73	2.02	1.62	62c
32B107	L577	16	128	10.98	2.22	1.82	69c

David Bradley Garden City Clipper. Right Hand. Wood Beam. General Purpose Plow. \$8⁹⁸

MOLD, SHARE AND
LANDSIDE SOFT
CENTER STEEL.

ADJUSTABLE BEAM.
DOUBLE SHIN.
REINFORCED SHARE POINT.

These plows are of the same shape and construction as the steel beam General Purpose plows described on this page, except that they have wooden beams. While steel beam plows are generally used, there are still some sections where wood beam plows are preferred, and to meet such demands we make this plow with wood beam. It is intended for use in heavy stubble, clover, timothy or blue grass sod and for deep stubble plowing. It has a long easy turn moldboard, which turns the furrow slice clear over. Beams are made of first quality oak. They are rigidly braced, as shown in illustration, and are adjustable to cut more or less land. Cast or chilled shares can also be used on this plow, as the heavy steel frog reinforces the share point. Prices are for the plows complete with soft center moldboard, landside and share. Shipped from the big David Bradley factory at BRADLEY, ILL.

PRICES OF DAVID BRADLEY WOOD BEAM GENERAL PURPOSE PLOWS.

Our Catalog No.	Bradley's No.	Size, Inches	Weight, Pounds	Price	Extra Shares. Price, Each		
					Soft Center Steel	Crucible Steel	Chilled
32B120	LY-19½	12	96	\$ 8.98	\$1.82	\$1.42	55c
32B121	LY-21	14	108	10.18	2.02	1.62	62c
32B122	LY-77	16	116	11.48	2.22	1.82	69c

DAVID BRADLEY ROYAL BLUE PLOWS.

Steel Beam. Right Hand Only.

\$6⁹⁵



This plow is designed for use in light loam or in a mixture of sand and clay, where a hard tempered soft center steel plow is not required to scour easily. Does fine work in stubble or tame sod, and as the moldboard, landside and share are crucible or open hearth steel, with mild or natural temper, it gives splendid service in stony land. The bottom construction of this plow is one of its special features, the moldboard, share and landside being securely bolted to a steel frog, and outer landside secured to a cast inner landside which has an adjustable slip heel. Bottoms are perfectly ground and highly polished. Moldboards are double shinned on top, insuring great wearing qualities. Beam is heavy double beaded forged steel, highly arched so as not to foul in trashy land. Handles are of first quality oak, well braced to beam and adjustable. Shipped from BRADLEY, ILL.

Our Catalog No.	Bradley's No.	Size, Inches	Weight, Pounds	Price	Extra Share, Price	
					Steel	Chilled
32B125	RB10	10	95	\$6.95	\$1.18	45c
32B126	RB12	12	100	7.85	1.38	52c
32B127	RB14	14	110	8.75	1.58	59c

DAVID BRADLEY CHILLED PLOWS.

\$3⁶⁸ Without Wheel and Joinder



Noted for perfect shape and scouring qualities and light draft. The share and shin (sometimes called cutter shares) are in one piece, so in renewing one you renew the other. Materials used in the bottoms are a special mixture of metals of extreme hardness, yet possessed of strength and toughness. Beam is first quality oak, thoroughly seasoned and bolted to slotted braces on the handles, making it adjustable for more or less land. Handles are thoroughly seasoned oak, braced by heavy rounds and a steel stay rod. A Joinder should be used with No. D-19 and larger plows when plowing trashy ground. NOTICE—Chilled plows are intended for use only in sand or gravel soil and should never be used in black or sticky soils. This type of plow is always made with slanting landside, and is measured by all manufacturers from the top of moldboard to outer edge of share. The bottom of share measures about 2 inches less than the full cut of plow. Price is for plow with one extra share, wrench and adjustable malleable clevis. Joinder and gauge wheel are extra. Shipped from BRADLEY, ILL.

Our Catalog No.	Bradley's No.	Will Cut Furrow From	Share Measures on Bottom	Weight	Price	Extra Share, Price
32B170	DA-2	6 to 8 in.	6 in.	50 lbs.	\$3.68	18c
32B172	D-10	8 to 10 in.	8 in.	70 lbs.	4.54	24c
32B174	D-19	9 to 11 in.	9 in.	100 lbs.	6.27	30c
32B175	D-20	10 to 12 in.	10 in.	108 lbs.	6.53	35c
32B176	D-40	11 to 14 in.	11½ in.	115 lbs.	7.60	40c
32B177	D-50	13 to 16 in.	14½ in.	160 lbs.	8.90	50c

No. 32B178 Joinder. Weight, 12 pounds. Price, extra.....98c
No. 32B179 Gauge Wheel. Weight, 11 pounds. Price, extra.....58c

DAVID BRADLEY HILLSIDE OR SWIVEL PLOWS.

These plows are intended for hillside plowing, but they can also be used with good success in level land. The bottom operates on a swivel held in place by a latch at the rear. By releasing the latch the bottom can be instantly reversed from right to left. The swivel swings easily and the latch is positive. Moldboard, landside and share are of chilled metal, the same as used in the David Bradley chilled plows, insuring extreme hardness of wearing parts and a long lived perfect scouring plow. Bottoms are carefully ground and polished and the entire plow is very strong and well braced. These plows will turn a furrow from 1 to 3 inches wider than the share, according to condition of the soil or incline upon which they are used. Joinder can be used on 10 or 12-inch plows. Gauge wheel can be used on all sizes. Beam and handles are oak. Clevis is malleable and adjustable. Price is for plow complete with one extra share. Shipped from BRADLEY, ILL.

\$4¹⁵



PRICE INCLUDES ONE EXTRA SHARE

Catalog No.	Size	Weight	Price	Extra Share, Price
32B180	6 inches	75 lbs.	\$4.15	25c
32B181	8 inches	80 lbs.	5.35	30c
32B182	10 inches	115 lbs.	6.75	39c
32B183	12 inches	145 lbs.	7.86	43c

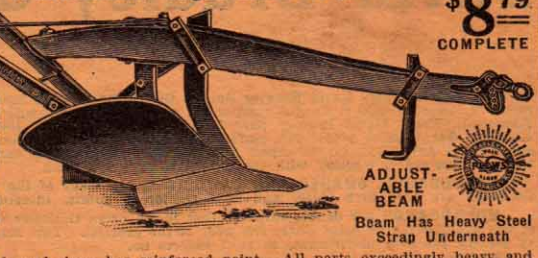
No. 32B184 Reversible Joinder. Weight, 18 pounds. Price, extra.....\$1.48
No. 32B185 Gauge Wheel. Weight, 11 pounds. Price, extra.....58c

DAVID BRADLEY BRUSH PLOWS.

Wood Beam. Right Hand Only.

\$8⁷⁹ COMPLETE

For tough plowing and heavy general purpose work this plow cannot be excelled. Does fine work among vines, berry bushes and in timber or stony land. Moldboard, share and landside are crucible steel, with mild or natural temper. Moldboard is double shinned, and share has reinforced point. All parts exceedingly heavy and entire bottom well braced. We now make this plow with landside and share of the same style as used on the Garden City Clipper plows shown on previous page, which enables you to replace share more economically than when long bar share is used. Beam is heavy seasoned oak and has a heavy steel strap underneath. Standard cap and all braces are steel. Handles are first quality oak, steam bent. Clevis is malleable with ample adjustment. Price is for plow complete with Quincy cutter and gauge shoe. Shipped from the big David Bradley factory at BRADLEY, ILL.

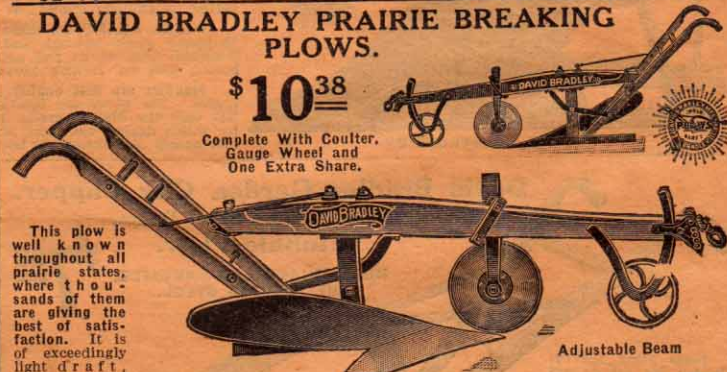


ADJUSTABLE BEAM
Beam Has Heavy Steel Strap Underneath

Our Catalog No.	Bradley's No.	Size, Inches	Weight, Lbs.	Price	Extra Share, Price
32B130	LY194B	12	119	\$8.79	\$1.64
32B131	LY21B	14	135	9.26	1.84

DAVID BRADLEY PRAIRIE BREAKING PLOWS.

\$10³⁸



Complete With Coultter, Gauge Wheel and One Extra Share.

This plow is well known throughout all prairie states, where thousands of them are giving the best of satisfaction. It is of exceedingly light draft, having a long tapering moldboard and slanting share which lies nearly flat and turns a smooth furrow. Intended for breaking original prairie land, but does good work in old sod. Moldboard, share and long bar landside are crucible steel, natural temper. Standard and standard cap are steel and the entire bottom well braced throughout. A special feature is the flat bar steel brace running from beam to standard and bolted to the inside handle. This insures great rigidity and makes the David Bradley one of the most strongly braced prairie breakers made. Beam is extra heavy seasoned oak with convenient adjustment to make plow cut more or less land. Handles are seasoned oak, well braced and bolted to bottom and beam. Price is for plow complete with coultter, gauge wheel and one extra share. Shipped from BRADLEY, ILL.

Our Catalog No.	Bradley's No.	Size, In.	Weight, Lbs.	Price	Extra Share, Price
32B135	BX12X	12	137	\$10.38	\$1.50
32B136	B14X	14	141	10.82	1.70
32B137	BX16X	16	154	11.26	1.90

DAVID BRADLEY NORTHWEST BREAKER.

\$12⁴⁵ COMPLETE



An exceptionally strong and well braced plow, designed for a heavier class of work than the standard type of prairie breaker. A splendid plow for heavy prairie sod and brush work, also extensively used for road making and grading purposes. Beam is extra heavy and made of selected oak. Standard is extra heavy steel, solidly braced. Moldboard, share and long bar landside are of crucible steel, with natural temper. The heavy steel coultter is made with a shoe at the point, into which the point of the share is inserted, making it absolutely solid. Rolling coultter cannot be used. Gauge wheel is adjustable up and down and back and forth on the beam. Handles are steam bent selected oak, extra heavy, strongly braced. Price is for plow complete with wheel and coultter. Shipped from BRADLEY, ILL.

For Use With 3 or 4 Horses

Our Catalog No.	Bradley's No.	Size, In.	Weight, Lbs.	Price	Extra Share, Price
32B139	14BBX	14	170	\$12.45	\$2.34
32B140	16BBX	16	176	13.05	2.66

DAVID BRADLEY NEW SLANT CUT ROD BREAKER.

\$6¹⁵



COMPLETE WITH GAUGE SHOE, FIN CUTTER AND ONE EXTRA SHARE

Catalog No.	Size	Weight	Price	Extra Share, Price
32B141	12 in.	85 lbs.	\$6.15	\$1.49
32B142	14 in.	90 lbs.	6.55	1.61
32B143	16 in.	95 lbs.	6.95	1.89

New Bradley Riding Attachment for Walking Plows

\$8⁷²

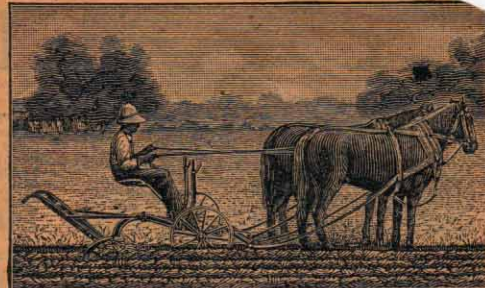
A Great Time and Labor Saver.

Dustproof Hubs.

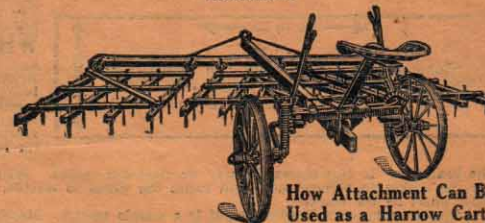
Can Also Be Used as a Riding Harrow Cart.



Makes a first class frameless sulky plow out of any wood beam, steel beam plow or middle breaker. It will make your plow run steadily and without side draft, provide a comfortable seat for you and without making the work a bit harder on your team. It can be set for any depth of furrow. Levers are within easy reach of the driver and operate easily. Can be readily attached to any ordinary wood or steel beam plow without fitting, and if your plow should have an extra large wood beam, it will only be necessary to bore one or two holes to match the bolt holes in the beam clamp. Quickly changed from one plow to another. By placing the attachment back of a drag harrow and connecting to the harrow drawbar by a long pole or 2x4-inch timber placed between the beam clamps on the attachment you have a splendid harrow cart, saving you many a hard day's tramp. Made entirely of malleable iron and steel. There is no wear out to it. Wheels are the regular type of riding plow wheels with wide oval tires and dustproof hubs. No farmer having a walking plow can afford to do without this valuable attachment. The attachment is not intended for use on smaller than 10-inch plows and cannot be used on rod breakers upon which the beams are too low. Price is for the complete attachment, consisting of frame, two levers and ratchets, two wheels and axles, seat post and seat, everything shown in the illustration, except the plow. Do not confuse with cheap light weight attachments. Right hand shipped unless otherwise ordered. Price is for the attachment. Shipped from the big David Bradley factory at BRADLEY, ILL.



At work in the field with the David Bradley Riding Attachment.

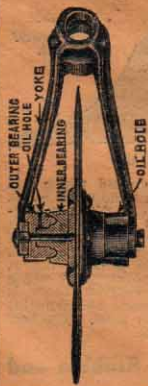


How Attachment Can Be Used as a Harrow Cart.

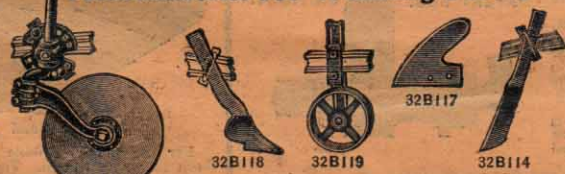
Illustration, except the plow. Do not confuse with cheap light weight attachments. Right hand shipped unless otherwise ordered. Price is for the attachment. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B192 New Bradley Riding Attachment. Weight, 147 pounds. Price.....\$8.72

Attachments for Walking Plows



Sectional View of Gaster Coulter.



These attachments are for use on steel beam or wood beam steel walking plows, shown on other pages. If attachments are ordered without plow, state whether wanted for wood or steel beam, right or left hand and what kind of plow.

No. 32B114 Knife Coulter. Weight, 9 pounds. Price...90c
 No. 32B115 13-inch Bradley Gaster Rolling Coulter. Fits any walking plow. Large chilled bearings, convenient to oil and easily replaced if ever worn. No wear on axle bolt. Adjustable in all directions. Weight, 26 pounds. Price.....\$1.72
 No. 32B116 Quincy Reversible Coulter. Same as shown in illustration of No. 32B130 Brush Plow. Can be attached to any make of steel walking plow. Weight, 9 pounds. Price...73c
 No. 32B117 Fin Cutter. Can be furnished only for David Bradley Stubble, General Purpose and Royal Blue Walking Plows.

When not ordered with plow be sure to state number appearing on bottom of your old share. Weight, 4 pounds. Price.....46c

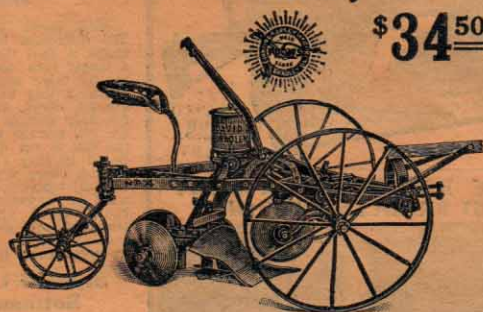
No. 32B118 Steel Moldboard Jointer. Will fit any make of walking plow. Weight, 15 pounds. Price.....\$1.16

No. 32B119 Gauge Wheel. Will fit any make of walking plow. State whether for wood or steel beam. Weight, 11 pounds. Price.....58c

David Bradley No. 4 Four-Wheel Sulky Lister

\$34⁵⁰

All that is said of the David Bradley Two-Wheel Sulky Lister applies to this machine, and it has several other attractive features. It has two adjustable pressure wheels at the rear and seat is placed where operator can see the corn drop, keep tab on amount in the hopper and save many dry hills. Draft of team counterbalances weight of machine. It is used with four horses, turns easily, will not upset. When working rear wheel standard is locked, making the plow run steadier and in hill-side work keeping the machine from drifting or working down hill. Raising plow with the lever automatically relieves rear wheels and stops drilling until plow is again lowered. Rear wheels can be adjusted for wide or narrow tread, scrapers conform to adjustment of wheels. Front wheels are 36 inches high, rear wheels 18 inches. Large wheels can be set in or out on axle to tread 3 feet, 3 feet 4 inches or 3 feet 8 inches apart. The famous 14-inch Garden City Clipper Lister bottom is furnished with this machine. More or less suction can be given the plow by shortening or lengthening connection between large and small ball, or front ball can be removed and machine used as a single ball lister. The drill mechanism is chain driven, otherwise it is practically the same as on the two-wheel sulky lister. Three plates furnished to drop one kernel of corn, 12, 15 or 19 inches apart and one blank plate which can be drilled to suit. Price is for the machine complete, with disc covers, 14-inch coupler, pole, four-horse evener and neckyoke. Bottoms are hard tempered soft center steel. Weight is for lister crated for shipment. Crate weighs about 80 pounds. Shipped from the big David Bradley factory at BRADLEY, ILL.



No. 32B419 No. 4 Four-Wheel Sulky Lister. Weight, 606 pounds. Price...\$34.50
 Extra share for No. 2 or No. 4 Sulky Lister (Bradley's No. 14-D.S.). Weight, 7 pounds. Price.....2.30

Does Work With the Little Jap That Other Cultivators Could Not Possibly Do

Sears, Roebuck and Co., Chicago, Ill.

Algood, Tenn.

Gentlemen:—I am sure pleased with the Little Jap Cultivator which I ordered from you last spring. It is far ahead of all other makes that I ever saw, and we have about five different makes in this community. The Little Jap will plow where any plow will and where some won't. It will do very good cross breaking with the disc gangs set to throw the dirt all the same way. I have tried to do that kind of work with other makes which would not possibly work. Some of my neighbors are talking about ordering Little Jap cultivators and I am doing everything I can for you. Am using my plow for an advertisement.
 Yours truly,
 BRANSFORD GREEN.

David Bradley Combined Lister and Drill

Does Not Break Seed; Can't Clog.
 Adjustable for Deep or Shallow Planting.

\$17²⁵
 Complete.



HARD TEMPERED
 SOFT CENTER STEEL
 BOTTOM.

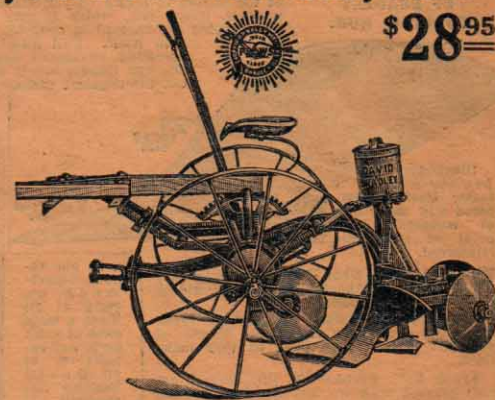
A combination of three complete and practical tools in one. Can be used, without the drill attachment and implement, for hilling up potatoes and similar work and is splendid for such purposes. Also used as a combined lister and drill, as shown in illustration. By detaching drill parts from lister and attaching extra pair of wood handles and front gauge wheel parts you have a first class one-horse corn drill. Frequently the lister plow alone is used and followed with the corn drill. Ten or more acres per day have been planted in this manner, using three horses and two men. The complete combined lister and drill consists of a steel beam single lister plow with 14-inch Garden City Clipper steel lister bottom. A drill attachment, the main shaft of which is propelled by flat steel drive wheels with notched edges. The lister attachment forms part of the equipment, and a pair of perfect working shovel covers serve to replace earth after corn is dropped, also wooden handles and front gauge wheel attachment for separate one-horse corn drill. Three plates are furnished to drop one kernel 12, 14 or 19 inches apart, also a blank plate which can be drilled to suit small seeds. Lister plow handles are steel with malleable hand pieces. The lister and drill only consists of all the above outfit, except the wood handles and front gauge wheel attachment for separate corn drill. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B415 Combination Lister and Drill. Weight, 203 pounds. Price...\$17.25
 No. 32B416 Lister and Drill only. Weight, 185 pounds. Price.....15.95
 Extra share for above (Bradley's No. 14-6). Weight, 7 pounds. Price.....2.25

David Bradley No. 2 Two-Wheel Sulky Lister

\$28⁹⁵

One of David Bradley's most successful productions. The illustration gives a splendid idea of its construction. The 14-inch bottom is of the famous Garden City Clipper lister shape, made of the very best soft center steel, scientifically hardened by David Bradley's own secret process. It scours where others fall. It is made with lapped moldboards fastened together with a heavy frog well bolted and secured at each joint. The subsoiler and seed spout can be operated, raised or lowered independently. The dropping mechanism is positive in its action and is driven by a gear attached to one of the wheels. Is thrown out of gear automatically when plow is raised by the lever. Three plates are furnished to drop one kernel of corn 12, 15 or 18 inches apart, also one blank plate which can be drilled to suit. The disc covers are adjustable up and down and permit planting at various depths. Wheels are steel, 36 inches high. Three or four horses may be used.



Price is for the machine complete with disc covers, 14-inch coupler, pole, four-horse evener and neckyoke. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B417 No. 2 Two-Wheel Sulky Lister. Weight, 425 pounds. Price...\$28.95

The Best Planter and Spreader He Ever Hitched To

Sears, Roebuck and Co., Chicago, Ill.

Dunbar, Neb.

I want to let you know how I like my David Bradley Planter and Manure Spreader. I have the best corn planter I ever hitched to, to go in the ground and check straight. I have the straightest corn checked in this country and I am well satisfied with my spreader. It does nice and easy work and is big enough for any man on a farm.

Yours truly,
 WM. SCHREINER.

David Bradley Riding Plows

Highest Quality Guaranteed. Strong, Simple. Easy on Man and Team.

The man who buys a David Bradley Sulky or Gang Plow runs absolutely no risk. Not only does he secure a riding plow perfected down to the finest possible point, one possessing every conceivable time and labor saving convenience, but he will find every part to be so strongly made as to insure the fullest measure of service one could possibly expect. During all the David Bradley factory's eighty-one years' experience it has been their policy to make a part a little too strong rather than to risk its ever proving weak. We spare absolutely no expense to insure service, and while in some classes of work lighter weight material might serve, we protect our customers against breakdowns and consequent delays by using nothing but the best of materials, and make every part of more than required strength.

THE FRAMES of our X-Rays No. 2 Sulky plows and No. 6 Gang plows are formed from solid bars of high carbon steel 2 1/4 inches wide, and 5/8 inch thick, providing one of the heaviest and strongest frames made by any plow manufacturer. All braces, levers, racks, etc., in fact, every part which could possibly be subject to strain, is made either of steel or tough unbreakable malleable iron produced right in our own foundry. Our plow beams are made from high carbon steel, amply strong and properly proportioned and braced. We guarantee them not to twist, bend or break.

COULTERS. We furnish the celebrated Bradley coulters with our riding plows. There is no better made. The sectional view shows how the coulters hub revolves in chilled bearings, which are practically dustproof and convenient to oil. There is no wear on the axle bolt and any wear in the hub can be easily taken up. The shape of the yoke makes it difficult for trash to gather. The yoke swivels on the standard, which is long and affords ample up and down adjustment to accommodate wearing of the blade, which is 15 inches in diameter.

WHEELS are all steel with staggered spokes and wide half oval tires. The land wheel is 34 inches high, the front furrow wheel is 24 inches and the rear furrow wheel 20 inches high. In the sectional view of the David Bradley patented hub you will notice that the boxing is exceptionally long, being 11 inches, and has a bearing surface of 9 inches. These long bearings, together with the collars which take off the end thrust wear, contribute to the long life and easy running qualities of the wheel. They also insure a thoroughly lubricated wheel that requires very little attention, one greasing being sufficient for fully 40 acres of plowing.

The illustration shows how impossible it is for dust or dirt to work into the bearings. It also shows the way we rivet our spokes. With this construction it is impossible for the spokes to become loose and cause the wheel to wobble. This construction makes the best plow wheel on the market.



J. W. Hossler, Millington, Mich., says—Your X-Rays plow sure does please me dandy. It is all you claim. Here is a photograph of a 12-year old girl who plowed nine acres with it in two days.

← 2 1/4 inches →

↑ 5/8 inch ↓

This shows the exact width and thickness of steel bars from which our riding plow frames are made.

The greasing of a Bradley wheel is a simple matter. Merely unscrew the cap, slide the wheel from the axle, fill the boxing with axle grease, replace the wheel on the axle, and you are ready for a season's plowing.

BOTTOMS. The celebrated David Bradley Garden City Clipper hard tempered steel bottoms are made of genuine soft center steel, the best material yet discovered for plow bottom purposes. Soft center steel is practically three layers of steel. The outer layers are of extra high carbon steel, while the center layer is of low carbon steel, soft, pliable and flexible, yet tough, and is not tempered; this the name, soft center steel. Having gone through the Bradley tempering process, the outer layers become extremely hard, capable of great wear and will take the high polish so essential to perfect scouring. The extreme hardness to which this steel is tempered would be detrimental to its life for plow bottom purposes, were it not for the center layer, which, being soft, pliable and tough, adds its strength to the outer layers, making a solid, sturdy and long wearing plow bottom.

Unlike soft center steel, crucible steel is of the same texture and hardness throughout. It is naturally hard, although not so hard as the outer layers of soft center steel. It is used in our prairie breaker bottoms and where plows of a mild or a natural temper are preferred, such as mixed land and where stones and stumps are numerous. Chilled iron shares are intended only for use in soils of a gritty and flinty composition. The iron is cast to extreme hardness, which makes it especially adapted to turning such soils. The hardness of a chilled share determines its wearing qualities. In this we excel all others.

SHARES. No part of a plow gets so much wear as the share; hence, too much importance cannot be placed upon this vital point. The life of a share depends upon the material used and the temper. Besides being properly tempered, David Bradley shares are of 5/16-inch steel, instead of 1/4-inch, as some other manufacturers use, giving 25 per cent more wearing surface.

David Bradley shares can be furnished made of either extra hard tempered soft center steel, crucible steel or of chilled iron. Steel share points are reinforced by welding a 1/4-inch piece of steel on top of point where the wear is greatest. By this construction, David Bradley shares may be resharpened oftener and will wear longer than shares made without this reinforcement. All shares are uniformly tempered and are finely ground and polished.

MOLDBOARDS. Correct shape is essential in a moldboard. It should have the proper turn to cover all trash and reduce the draft to a minimum. The shape of our moldboards is such that as soon as the coulters and share open the furrow, it begins to turn over a smooth, graceful turn spread over the entire moldboard, until it is completely turned with all trash covered, leaving a clean furrow ready for the harrow.

We "double shin" our moldboard; that is, an extra thickness of steel is welded on top of the moldboard where the wear is greatest. Steel moldboards are uniformly tempered by the David Bradley process and highly polished.

Another reason why David Bradley bottoms outlive and outwork other bottoms, is that the grinding is done in the same direction as the furrow slice turns on the bottom. A David Bradley plow will scour where others fall.

We Guarantee Prompt and Safe Delivery. David Bradley plows are prepared for shipment in a manner which affords the most convenient handling and best protection from mishap. Every plow is set up and inspected at the factory to insure its perfection. Parts such as wheels, handles, levers, etc., which may be necessary to remove for shipping are shipped in compact bundles or wired to the plow itself. Full directions for setting up and operating accompany each implement, and anyone can quickly set it up ready for work without the slightest difficulty.

Illustrating how our soft center steel is tempered and where shin of moldboard and point of share are reinforced.



SECTIONAL VIEW OF BRADLEY COULTER HUB.



READ What These Customers Say About David Bradley Riding Plows.

Chauncey W. Carson, Sigourney, Iowa, says—The Bradley Gang Plow brought of you last spring is as good as they make them.

Frank Gall, Pechahontas, Ill., says—I am well pleased with the Bradley No. 6 Gang Plow which I received last March. It does fine work in every way, and I saved \$12.23.

E. B. Forrest, Glenavon, Ill., says—The Bradley Sulky and Gang Plows purchased of you give perfect satisfaction. They are as good as I could buy anywhere and I saved at least \$18.00 by ordering from you.

Melvin E. Holverson, Argyle, Wis., says—I must write you a few words about the David Bradley X-Rays No. 2 Sulky Plow. I plowed about 48 acres this spring and the grease is still good in the hubs. I must say your sulky plow is worth \$5.00 more than any other make. Bradley has them skinned. My neighbors all like the Bradley.

Wm. Green, White Rocks, Utah, says—The David Bradley Gang Plow I bought from you gives the best of satisfaction. I have broken up 50 acres of new ground and it does good work as any plow you would have to pay \$63.00 for here. I shall recommend the David Bradley Plow to all in my part of the country.

In our repair department we carry at all times a large stock of extra parts and repairs to fit all David Bradley implements. It is the duty of our repair department to see that repair orders are shipped the same day the order is received. You can always obtain repairs from us. We have the patterns for nearly every implement ever made in the Bradley factory and these are preserved in fireproof vaults. You not only obtain repairs from us quickly, but at a saving in price of 25 to 50 per cent as compared with the prices asked by dentists.

L. C. Franks, Waggoner, Ill., says—After using the X-Rays Plow in some severe plowing the past season, in which other and higher priced plows failed to do good work, I find my X-Rays O. K., better than you recommended. At the present time it is being successfully handled by a 12-year old boy. The Little Jap Cultivator works fine also.

SECTIONAL VIEW OF BRADLEY PATENT HUB. DUST PROOF. OILTIGHT.



DAVID BRADLEY GARDEN CITY CLIPPER BOTTOMS.

Favorites for 81 years. Furnished on All David Bradley Riding Plows.

Your selection of a plow bottom should be governed by the nature of your soil, and the following description of our various shaped bottoms will guide you in ordering the bottom best suited to your needs:

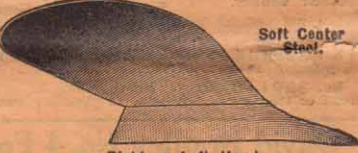
Stubble or Old Ground.



Right Hand Only.

For use in old stubble ground which has been highly cultivated. The moldboard has a comparatively short, bluff turn which pulverizes this particular soil and puts it in better shape than any other style. We recommend this shape for turning under stubble, weeds, cornstalks and trash in old ground, but it should not be used for sod plowing, for which our General Purpose shape described below is best adapted. Moldboard, share and landside are hard tempered soft center steel. The best shaped stubble bottoms made.

General Purpose or Stubble and Sod.



Right or Left Hand.

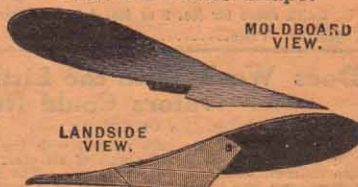
Also known as Turf and Stubble shape. The difference between this and the Stubble shape is that the General Purpose shape has a longer turn moldboard which turns timothy, clover, tame sod, etc., clear over. We recommend this shape for plowing very weedy ground, clover, timothy or blue grass sod and for deep stubble plowing. It is not intended for the average stubble or old ground, unless the soil is not difficult to turn, as the moldboard is long and in wet or sticky stubble ground where there are no grass roots to hold the soil together, it will not do as satisfactory work as the regular stubble shape plow. Moldboard, share and landside are extra hard tempered soft center steel. The best shaped general purpose bottoms made and the ones we recommend for deep plowing.

Style of Landsides on Plow Bottoms Shown Above.



No. 1 is the shape of landside used on sulky plow bottoms and on the rear bottom of gang plows. No. 2 is the landside on front bottom of gang plows. The frogs in these bottoms are heavy, giving great strength at this point.

Prairie Breaker Shape.

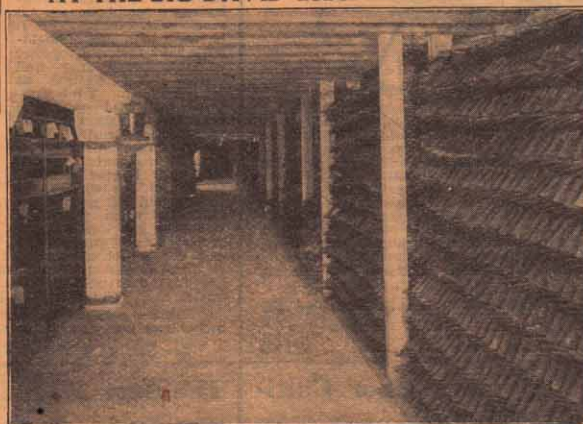


MOLDBOARD VIEW.

LANDSIDE VIEW.

Intended for breaking prairie sod. Because of their long tapering moldboard and share, they turn the furrow to perfection and are remarkably light of draft. Moldboard, share and long bar landside are of crucible steel and each bottom is furnished with one extra share.

A SECTION OF THE REPAIR DEPARTMENT AT THE BIG DAVID BRADLEY FACTORY.



Thomas M. S. Hannah, Coultersville, Ill., says—The X-Rays Sulky Plow is the most beautiful working sulky plow I ever saw or tried. I have put it to every test I could think of and it never failed to give the best of satisfaction. I saved \$13.00 after paying the freight. Dealers here ask \$45.00 for a sulky plow which is not nearly as good as the X-Rays.

L. C. Franks, Waggoner, Ill., says—After using the X-Rays Plow in some severe plowing the past season, in which other and higher priced plows failed to do good work, I find my X-Rays O. K., better than you recommended. At the present time it is being successfully handled by a 12-year old boy. The Little Jap Cultivator works fine also.

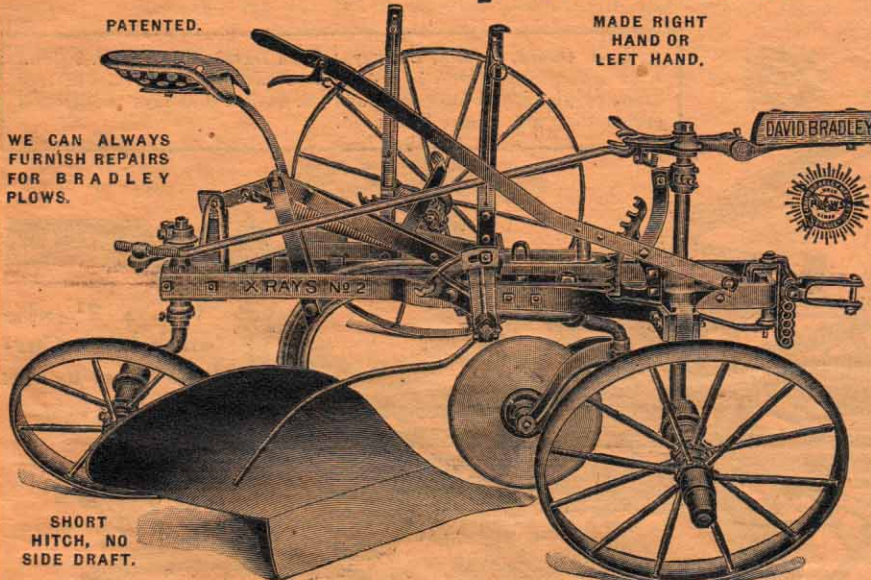
David Bradley X-Rays No. 2 Frame Hitch Sulky Plow \$29⁰⁰ AND UP

PATENTED.

MADE RIGHT HAND OR LEFT HAND.

THE HIGHEST LIFT, EASIEST HANDLED AND LIGHTEST DRAFT. THE MOST DURABLE RIDING PLOW MADE.

WE CAN ALWAYS FURNISH REPAIRS FOR BRADLEY PLOWS.



SHORT HITCH, NO SIDE DRAFT.

same time relieving the plow bottom of the weight of heavy eveners. Just so much less weight for the rider to lift, one reason why this plow can be easily raised from the ground by the slight foot pressure of a small boy or girl. As an illustration of the ease with which the X-Rays foot lever operates, a 200-pound man can stand on the wing of the moldboard when the plow is in the ground and, with but a slight pressure on the foot lever, the driver can easily lift plow, man and all with horses at a standstill. We defy any other plow maker in the world to produce a foot lift which will accomplish this.

Cuba, Mo.
Sears, Roebuck and Co., Chicago, Ill.
Gentlemen:—Your X-Rays No. 2 Sulky Plow is a peach. My 9-year old girl handles it easily. It is fine in gumbo land. I have plowed for forty years, but this beats all. A plow like that holds our boys on the farm.
Yours truly,
FRANCIS L. NERON.

A FITTING EXAMPLE of the high degree of perfection attained in David Bradley plows. The X-Rays contains every good feature a riding plow could possibly have and many distinctive Bradley features all covered by United States patents which prevent their use on any other plow. Year by year this plow has been perfected until in its present form there seems to be absolutely no room for improvement.

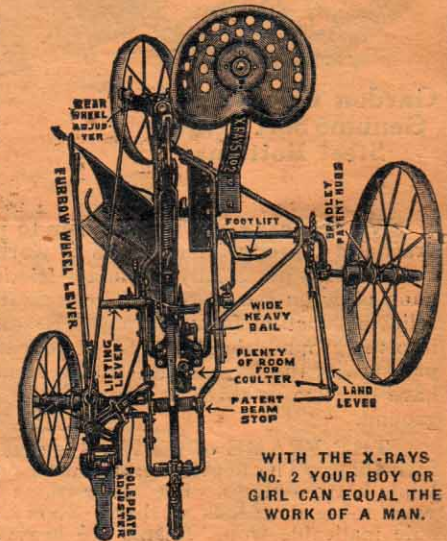
THE FRAME is wide and is made of extra heavy high carbon steel, 5/8 inch thick, securely bolted and rigidly braced. Wheels are high, giving a clearance to the frame of 23 inches from the bottom of the plow and point of plow lifts 7 inches from the ground. This plow differs from others inasmuch as the beam is contained entirely within the frame, the hitch being made from a forward point on the frame directly in line with the point of the plow beam, thus affording any advantage which could possibly be found in a beam hitch plow, but at the

WE GUARANTEE the X-Rays No. 2 to excel all other plows in hard ground. It cannot jump out.

When the plow bottom is lowered into the ground the point of the beam rests against a patent stop inside the frame which locks the plow in the ground. There is absolutely no side motion to the beam, it being held firmly in place by a heavy ball with wide bearings and is unaffected by position of the hitch. The frame and wheels carry the entire load; the plow itself has nothing to do but plow, which it does with lighter draft than any other plow made and turns a smooth, even furrow at all times. The lift is accomplished easily with team either at a standstill or in motion, and when plow is lifted while in motion it can be returned to the ground within but a few inches of travel, making it one of the greatest stone dodgers on earth. The land wheel is 34 inches in diameter; the front furrow wheel, 24 inches, and the rear furrow wheel, 20 inches in diameter. Wheels are all steel, with oval tires and heavy round steel staggered spokes, solidly welded into the Bradley patent long distance grease retaining dustproof hubs; absolutely the best and most lasting hubs made. The bearings are 9 inches long. When they are properly oiled, one oiling is sufficient to plow a 40-acre field. Boxes are removable and easily and cheaply replaced. The plow enters the ground point first, and rises in immediate response to the slightest pressure on the foot lever, this being accomplished by the heavy coiled lifting spring and compound arrangement of levers, constituting the foot lift.

LEVERS ARE CONVENIENTLY LOCATED so as to operate easily from the seat.

The land lever controls the position of the plow bottom and keeps it running level. The front furrow lever regulates the depth. The lifting lever locks the plow in the ground and if desired can be used in connection with the foot lift. A noteworthy feature of this plow is the shortness of hitch. This couples plow and team up close, does away with side draft, and makes the handling of the X-Rays No. 2 an easy matter for man and team, even under the most unfavorable conditions. A pole plate adjuster enables the driver to adjust pole from the seat with team in motion.



WITH THE X-RAYS No. 2 YOUR BOY OR GIRL CAN EQUAL THE WORK OF A MAN.



BRADLEY THREE-HORSE EVENER FURNISHED WITH OUR SULKY PLOWS.



15-YEAR OLD WYLIE HAAG WINS FIRST PRIZE AT THE FAMOUS WHEATLAND FLOWING MATCH.

R. F. D. No. 2, Plainfield, Ill.
Sears, Roebuck and Co., Chicago, Ill.
Gentlemen:—With your David Bradley X-Rays No. 2 Sulky Plow I won first prize in the boys' class at the 1912 Wheatland Flowing Match. It is the easiest handling plow I ever saw and the foot lift is O.K. Men who saw me win the match said the X-Rays was the lightest draft plow there.
Yours truly,
WYLIE B. HAAG.



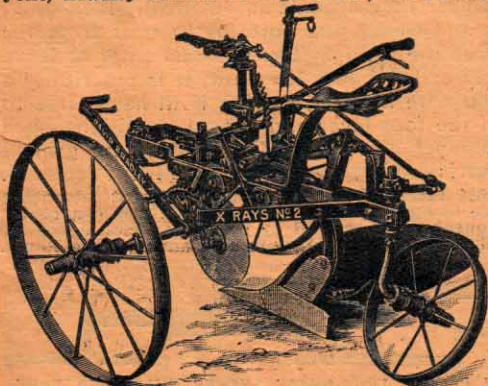
Spring Clevis.

FOR 75 CENTS EXTRA

we will furnish the David Bradley celebrated Patent Spring Clevis with the X-Rays No. 2 when fitted with this is a very desirable device. It often prevents breakage of shares, lightens the jar in event of plow striking obstructions, makes work easy on your horses' shoulders and it is also a good indicator of draft. The spring clevis cannot be used with four-horse evener.

PLOW BOTTOMS FURNISHED

with these plows are the celebrated Garden City Clipper, illustrated and described on previous page, the most perfectly formed plow shapes known. They meet the various conditions of soils throughout the entire country, and from the bottoms shown you can select the exact shape you require. Prices are for the plows complete with three-horse hitch, pole, neck-yoke, Bradley 15-inch rolling coulters, weed hook and wrench. Joinder will be furnished in place of coulters if so ordered. We will furnish instead with four-horse hitch an attachment which permits one horse to walk in the furrow and three on unplowed ground for \$1.15 extra. This hitch is desirable for plows with breaker bottoms and for work in listed ground. Many purchase a stubble or stubble and sod plow and in addition order a prairie breaker bottom. This gives them practically two complete plows by merely switching bottoms and for a very small cost. For the convenience of those wishing such a combination we list extra breaker bottoms below. An extra share free with all prairie breaker bottoms. Weights given are for the plows crated for shipment. Crates weigh about 40 pounds each. Shipped from the big David Bradley factory at BRADLEY, ILL.



REAR VIEW OF THE X-RAYS No. 2.

PRICES OF DAVID BRADLEY X-RAYS No. 2 FRAME HITCH SULKY PLOWS. SHIPPED FROM BRADLEY, ILL.

Catalog No.	Size, Inches	Style of Bottom	Shipping Weight, Pounds	Price	EXTRA SHARES Price, Each		
					Soft Center Steel	Crucible Steel	Chilled
222225	12	Stubble, Right Hand	545	\$29.00	\$1.80	\$1.40	53c
222226	12	General Purpose or Stubble and Sod, Right Hand	547	29.50	1.82	1.42	53c
222227	14	Stubble, Right Hand	548	30.00	2.00	1.60	60c
222228	14	General Purpose or Stubble and Sod, Right Hand	551	30.50	2.02	1.62	60c
222229	14	General Purpose or Stubble and Sod, Left Hand	551	30.55	2.03	1.63	63c
222230	16	Stubble, Right Hand	554	1.00	2.20	1.80	67c
222231	16	General Purpose or Stubble and Sod, Right Hand	556	1.55	2.22	1.82	70c
222232	16	General Purpose or Stubble and Sod, Left Hand	556	1.55	2.23	1.83	70c
222233	14	Prairie Breaker, Right Hand	562	1.75	1.70	1.70	70c
222234	14	Prairie Breaker, Left Hand	564	1.75	1.70	1.70	70c
222235	14	Extra Prairie Breaker Bottom only	60	8.75	1.70	1.70	70c
222236	16	Extra Prairie Breaker Bottom only	65	9.75	1.70	1.70	70c

\$45.95 David Bradley New No. 6 Gang Plow

Shipped From BRADLEY, ILL.



J. H. Guard, Panola, Ill., says:—The David Bradley No. 6 Gang Plow purchased of you is a dandy. I have used several different kinds of plows, but this one pulls the easiest and lays the ground evenner than any I have ever used.

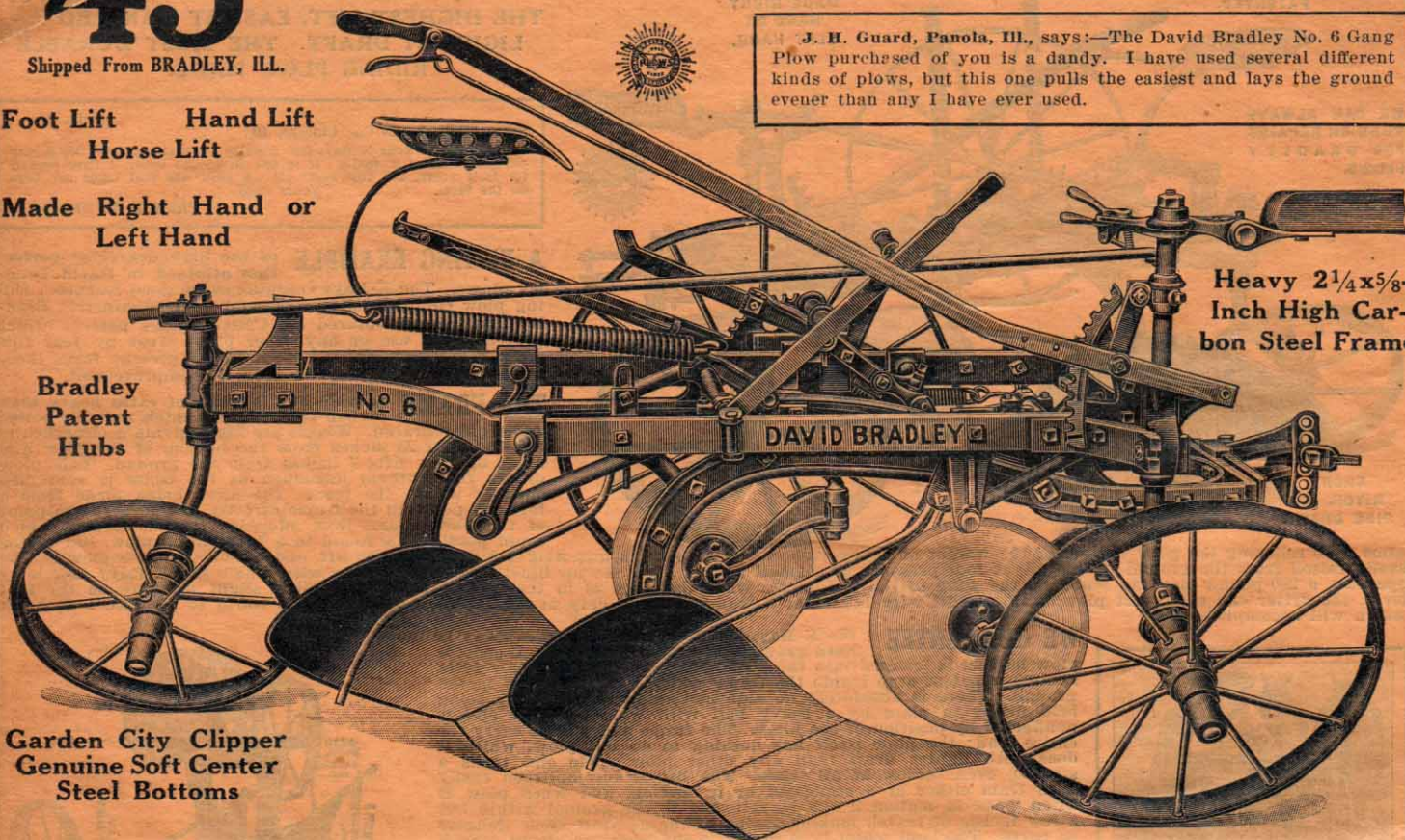
Foot Lift Hand Lift
Horse Lift

Made Right Hand or
Left Hand

Heavy 2 $\frac{1}{4}$ x $\frac{5}{8}$ -
Inch High Car-
bon Steel Frame

Bradley
Patent
Hubs

Garden City Clipper
Genuine Soft Center
Steel Bottoms



We challenge any plow maker to produce a gang plow which can excel the new No. 6 for durability, ease of handling, light draft and capacity for all kinds of work. Not only is this plow constructed with a view to serviceability, but it is built upon principles which practically eliminate friction, making it pull lighter for the horses and handle easier for the operator than any other gang plow on the market. The weight of the plow and furrow slice is carried on frame and through the frame on to the wheels, relieving friction from bottoms. Beams are connected to the plow frame by two heavy bails and when the bottoms are lowered into the ground, the bails rest on four stops attached to the frame and are held rigidly in place by the foot lift lock and downward pressure of the large coiled-lifting spring. We direct particular attention to these features because the best plows of other makes have but two or three bail stops and the lifting springs tend to raise rather than to keep down the bottoms when locked in the ground.

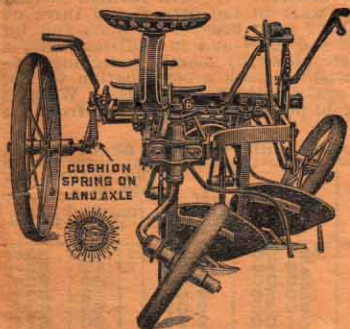
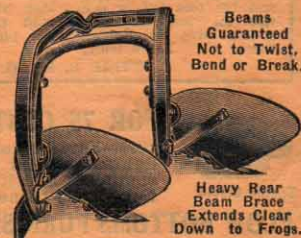
THE FRAME of the No. 6 is made of extra heavy high carbon bar steel, 2 $\frac{1}{4}$ inches wide and $\frac{5}{8}$ inch thick. The heaviest frame used on a double bottom gang, and as heavy as some makers use on triple bottom plows. The entire frame is securely bolted and braced. All bolts which could possibly work loose have lock washers. Every part subject to strain is made of either steel or tough unbreakable malleable iron. Beams are heavy, first quality, high carbon steel 1 $\frac{3}{4}$ inches thick and have high arch, affording ample clearance in trashy ground. They are strongly braced at both front and rear. The rear brace is a heavy round forged steel bar, flattened at the ends and firmly fitted into the channel of the beam and extending clear down to the frogs of the plow bottoms, reinforcing the beams so as to withstand the heaviest work. We guarantee our beams not to twist, bend or break. Levers are all of ample proportions conveniently placed within reach of the operator and have comfortable hand holds.

THE BRADLEY FOOT LIFT is the easiest to operate and the most effective ever placed on a gang plow. Its leverage is so powerful that the bottoms can be easily handled by a boy. A slight

kick on the foot lift lock and the bottoms start to enter the ground point first, the forward motion of the team causing them to go to their proper depth, where they become automatically locked. A slight pressure on the foot lift lever releases the lock and causes the bottoms to start from the ground point first, and the forward pull of the team does the lifting. The bottoms enter or leave the ground within a few inches of travel. While this is called a foot lift plow, it is practically a horse lift, the operator merely controlling the operation with his feet, leaving both hands free to drive. He is seldom called upon to exert pressure on the foot lever and should conditions, such as working up close to fences at the end of furrow, compel him to lift the plows from ground with horses at a standstill, the emergency hand lift lever is ready to assist the foot lift if required.

THE NO. 6 IS A HIGH LIFT PLOW, the bottoms lifting 5 $\frac{1}{2}$ inches from the ground, a great advantage when plowing in stony or stumpy ground. It is also possible to adjust the plow so that bottoms can be left to float and jump over obstructions where they are too frequent to be avoided by ordinary operation of the foot lift. This feature oftentimes lessens the probability of broken shares when plow is used among large stones.

WHEELS—Large wheels run smoother over rough ground than small ones, so we use wheels of good height. The land wheel is 34 inches in diameter, the front furrow wheel 24 inches, and the rear wheel 20 inches. They are all steel with heavy staggered spokes firmly welded into wide oval tires and have the celebrated Bradley patent hubs which are described on page 6. Bearings are 9 inches long, dustproof and oiltight. One greasing generally suffices for a season's plowing.



REAR VIEW OF NO. 6 GANG PLOW.
Notice Set of Furrow Wheels and Their
Connection to Pole.

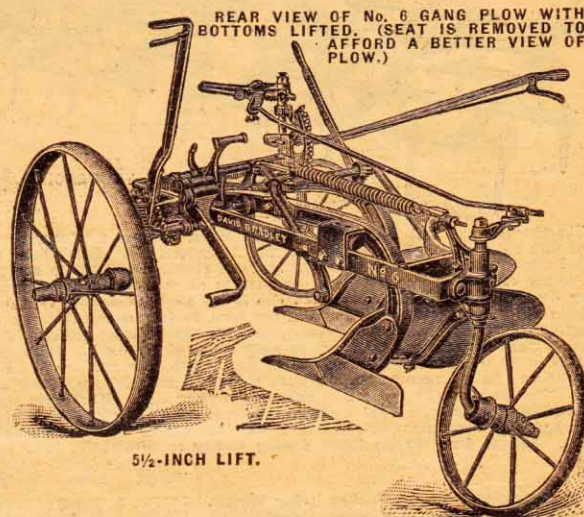
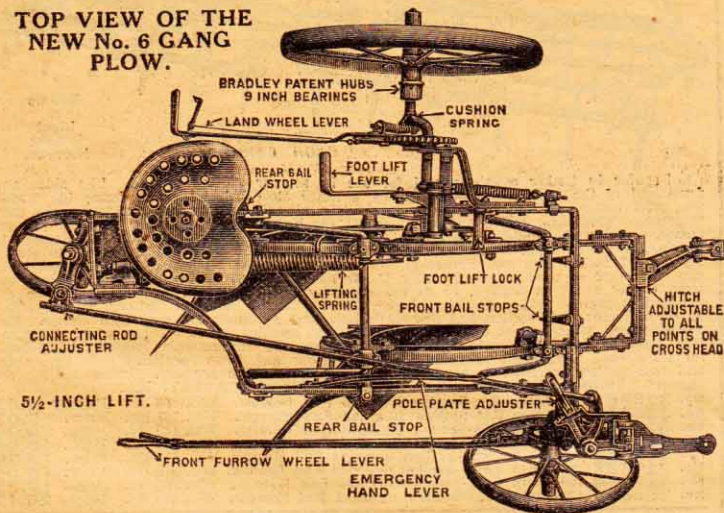


BRADLEY PATENT FOUR-HORSE EVENER FURNISHED FREE
WITH NO. 6 GANG PLOWS, AND WITH SULKY PLOWS
AT SLIGHT EXTRA COST.

"THE GANG PLOW WITHOUT SIDE DRAFT."

WE ENABLE THE OPERATOR TO OVERCOME SIDE DRAFT by our manner of hitch and by setting the furrow wheels to nose right up against the furrow bank, removing friction from landside and distributing all draft on thoroughly lubricated wheels. An adjustable steel rod connects both furrow wheels to the pole, insuring perfect control at all times and plow will turn square corners in or out of ground. A pole plate lever permits ready adjustment of the front furrow wheel to suit varying conditions of soil. Driver can make this adjustment from the seat and without using a wrench, a great convenience when plowing on hillside. The land wheel axle has a cushion spring which relieves jar and permits bottoms to run level when in rough ground.

TOP VIEW OF THE NEW No. 6 GANG PLOW.

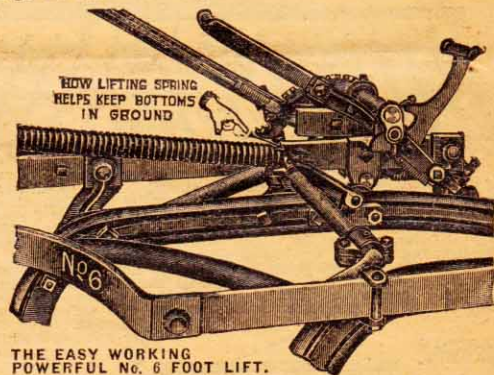


HITCH ADJUSTMENT We direct particular attention to the manner in which the clevis is attached to the beam cross head. The clevis is clamped to a heavy steel bar, and by merely loosening (not removing) the bolt and sliding the clevis to the right or left, the point of hitch can be adjusted to the smallest fraction of an inch. Other plow makers usually place holes in the cross head about 1/2 inch apart, and to shift the clevis it is necessary to remove the bolt and even then the adjustment can be made no closer than is permitted by the holes in the cross head. Experienced gang plow users will appreciate the advantage possessed by the No. 6 in this respect.

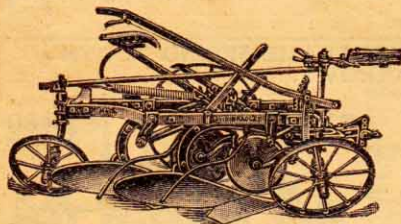
GARDEN CITY CLIPPER BOTTOMS The longest wearing and most perfectly shaped plow bottoms made are furnished on these plows. See page 6 for explanation of how they are made, and illustrations and descriptions of the different shapes. The ability of any plow to do good work depends almost entirely on the shape of the bottoms, and the unequalled success of Bradley plows can be attributed more to the high degree of perfection attained in the shaping of Garden City Clipper bottoms than to any other feature. These bottoms have been perfected through eighty-one years of severest tests in all soils. No other factory has had such long experience or possesses such a perfect knowledge of plow building.

COULTERS With each New No. 6 Gang Plow we furnish two of the famous Bradley Coulters which are described on page 6. Blades are 15 inches in diameter and made of finest steel. Bearings are chilled, have every needed adjustment and are as dustproof as it is possible to make. Coulters yokes are malleable and are so designed as to make it difficult for trash to accumulate.

PRICES are for the plows complete with pole, four-horse evener, neckyoke, two rolling coulters, two weed hooks and wrench. We will furnish a four-horse string-out hitch instead, if wanted, and without extra charge, or we will furnish a five-horse string-out hitch instead, for \$1.50 extra. Will furnish jointers in place of coulters if so ordered. Weights given are for the plows crated and prepared for shipment. Crates average about 60 pounds in weight. Prices are for the plows shipped from the big David Bradley factory at BRADLEY, ILL.



A Favorite in the Northwest.



NEW No. 6 GANG PLOW WITH PRAIRIE BREAKER BOTTOMS.

PRICES OF DAVID BRADLEY NEW No. 6 GANG PLOWS

Shipped From BRADLEY, ILL.

Catalog No.	Size, Inches	Style of Garden City Clipper Bottom	Weight, Lbs.	Price	Extra Shares. Price, Each		
					Soft Center Steel	Crucible Steel	Chilled
32B280	12	Stubble, Right Hand.	830	\$45.95	\$1.80	\$1.40	53c
32B281	12	General Purpose or Stubble and Sod. Right Hand.	834	46.45	1.82	1.42	55c
32B284	12	General Purpose or Stubble and Sod. Left Hand.	834	46.55	1.83	1.43	56c
32B282	14	Stubble, Right Hand.	836	46.95	2.00	1.60	60c
32B283	14	General Purpose or Stubble and Sod. Right Hand.	842	47.45	2.02	1.62	62c
32B285	14	General Purpose or Stubble and Sod. Left Hand.	842	47.55	2.03	1.63	63c
32B289	12	Prairie Breaker, Right Hand.	839	47.20	1.50
32B290	14	Prairie Breaker, Right Hand.	863	48.20	1.70

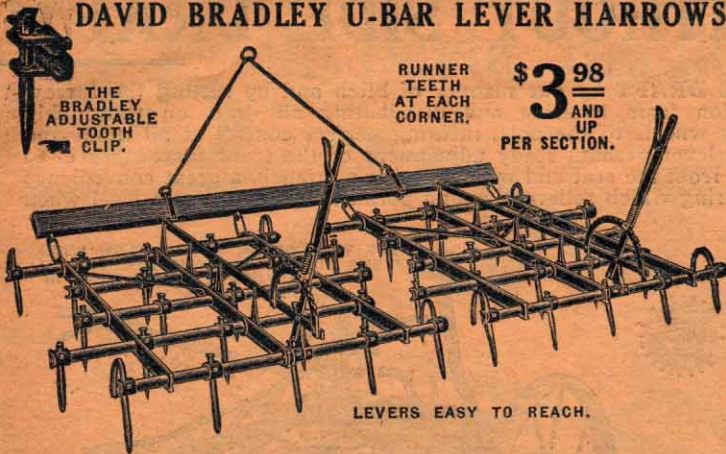
EXTRA PRAIRIE BREAKER BOTTOMS FOR NEW No. 6 GANG PLOWS.

Many purchase a plow with either stubble or general purpose bottoms and a pair of prairie breaker bottoms, extra, thereby providing a plow which can be used for two classes of work by merely switching bottoms. For the convenience of such we list extra pairs of prairie breaker bottoms below. We furnish two extra shares with every pair of these bottoms.

No. 32B287 Pair Extra 12-Inch Prairie Breaker Bottoms only. Weight, 110 pounds. Price.....\$16.50
 No. 32B288 Pair Extra 14-Inch Prairie Breaker Bottoms only. Weight, 120 pounds. Price..... 17.50

Osseo, Wis. Sears, Roebuck and Co. Gentlemen:—The David Bradley No. 6 Gang Plow ordered from you this spring is the lightest running plow we have ever used and does fine work. No one could ask for a better plow. If I were going to buy forty plows every one would be a David Bradley. Yours truly, S. H. STILLMAN.	Hesperia, Mich. Sears, Roebuck and Co. Gentlemen:—I have used the No. 6 David Bradley Gang Plow with good results. The draft is very easy. I plowed 4 acres a day on rounds 50 rods long with four horses. I plowed with three horses in corn stubble, 3 1/2 acres a day, and they did it easily, plowing 7 inches deep. We find the Bradley Riding Plows are just the thing for stony ground. Yours truly, H. D. COLE.	Bonilla, S. Dak. Sears, Roebuck and Co. Gentlemen:—The No. 6 David Bradley Gang Plow is a good one. I saved \$15.00 on it. It runs easy, four horses pulling it easily without any side draft. I have plowed as high as 7 acres a day with it. Yours truly, F. E. HUESTIS.	Stronghurst, Ill. Sears, Roebuck and Co. Gentlemen:—We wish to thank you for your No. 6 David Bradley Gang Plow and for the good work it does. We will want another next season. It operates easier and runs lighter than any other plow we have ever seen and we would rather have it than any other. Yours truly, I. N. and A. M. PALMERTON.
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DAVID BRADLEY U-BAR LEVER HARROWS



THE BRADLEY ADJUSTABLE TOOTH CLIP.

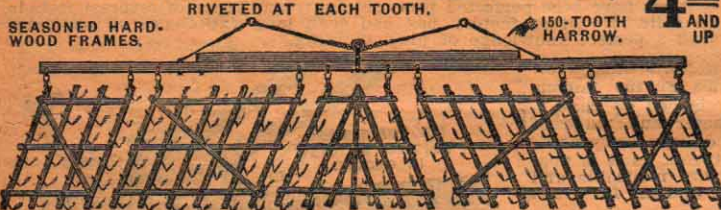
RUNNER TEETH AT EACH CORNER. **\$3⁹⁸ AND UP PER SECTION.**

LEVERS EASY TO REACH.

The strongest and best U-Bar Lever Harrow Made. Frames are heavy steel diagonally braced with steel braces. Each section has five heavy steel tooth bars. Teeth are attached by steel clips with set screws and locknuts. Tooth clips are movable to any place on the bars, so you can use as many teeth as you want to on each bar. The levers set the teeth at any desired angle. The Bradley tooth clip is the most satisfactory ever devised; when the teeth are properly set it is impossible for them to become loose. Teeth are swedged to prevent falling out should they become loose through improper setting. The teeth are square, 8 inches long headed, and can be easily adjusted for depth. Made in sections of either 25 or 30 teeth. Each 30-tooth section cuts 5 feet wide and the 25-tooth section 4 feet 3 inches. Each section has runner teeth at corners on which the harrow can be tilted to run. The teeth can be reversed to renew the cutting edge. Illustration shows the 60-tooth two-section harrow. Wood drawbar and irons furnished with two, three and four-section harrows. Draw irons only furnished with one-section harrows. Prices are for the harrows. Shipped from the big David Bradley factory at BRADLEY, ILL.

		½-Inch Teeth.		¾-Inch Teeth.	
		Weight	Price	Weight	Price
No. 32B350	25-Tooth One-Section U-Bar Harrow.	102 lbs.	\$ 2.98	110 lbs.	\$ 4.23
No. 32B351	30-Tooth One-Section U-Bar Harrow.	110 lbs.	4.48	120 lbs.	4.73
No. 32B352	50-Tooth Two-Section U-Bar Harrow.	215 lbs.	7.96	230 lbs.	8.46
No. 32B353	60-Tooth Two-Section U-Bar Harrow.	230 lbs.	8.96	250 lbs.	9.46
No. 32B354	75-Tooth Three-Section U-Bar Harrow.	330 lbs.	11.94	345 lbs.	12.96
No. 32B355	90-Tooth Three-Section U-Bar Harrow.	360 lbs.	13.44	385 lbs.	14.19
No. 32B356	100-Tooth Four-Section U-Bar Harrow.	440 lbs.	15.92	470 lbs.	16.92
No. 32B357	120-Tooth Four-Section U-Bar Harrow.	485 lbs.	17.92	525 lbs.	18.92

DAVID BRADLEY BOSS HARROWS, \$4¹⁰ AND UP

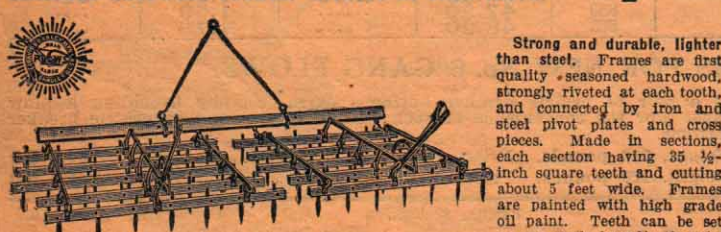


SEASONED HARD-WOOD FRAMES. RIVETED AT EACH TOOTH. 150-TOOTH HARROW.

Positively the strongest and best finished wood frame harrows made. Frames are made of the best quality seasoned hardwood, strongly riveted at each tooth and firmly braced. All wood parts are well painted with a first quality oil paint, which serves as a great protection against action of the weather and increases the life of the harrow. Others offer harrows made of cheap grades of lumber painted with low grade mineral paint, and in many other ways inferior. Do not be misled; insist upon getting a harrow of quality equal to the Bradley; one made of the best quality of timber. Teeth are ½ inch square. Sections are independently connected to drawbar with drop link clevises, allowing flexibility. The 48-tooth harrow cuts 3½ feet, has two side sections and two-horse drawbar; the 60-tooth harrow cuts 10½ feet, has one center and one side section and a two-horse drawbar; the 78-tooth harrow cuts 13 feet, has one center and two narrow side sections, and a two-horse drawbar; the 102-tooth harrow cuts 16½ feet, has one center and two wide side sections, and a three-horse drawbar; the 150-tooth harrow cuts 25 feet, has one center, two wide and two narrow side sections, and a four-horse drawbar which is fitted with a sheave pulley and roller chain draft equalizer. If you purchase a 150-tooth harrow, you can use it as a 78-tooth or as a 102-tooth harrow by separating the sections and using a shorter drawbar. Prices are for the harrows. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B374	48-Tooth Two-Section Boss Harrow.	Wt., 128 lbs.	Price.....\$ 4.10
No. 32B370	60-Tooth Two-Section Boss Harrow.	Wt., 145 lbs.	Price..... 5.45
No. 32B371	78-Tooth Three-Section Boss Harrow.	Wt., 190 lbs.	Price..... 6.95
No. 32B372	102-Tooth Three-Section Boss Harrow.	Wt., 245 lbs.	Price..... 9.00
No. 32B373	150-Tooth Five-Section Boss Harrow.	Wt., 350 lbs.	Price..... 13.40

DAVID BRADLEY WOOD FRAME LEVER HARROWS, \$4⁴⁸ AND UP

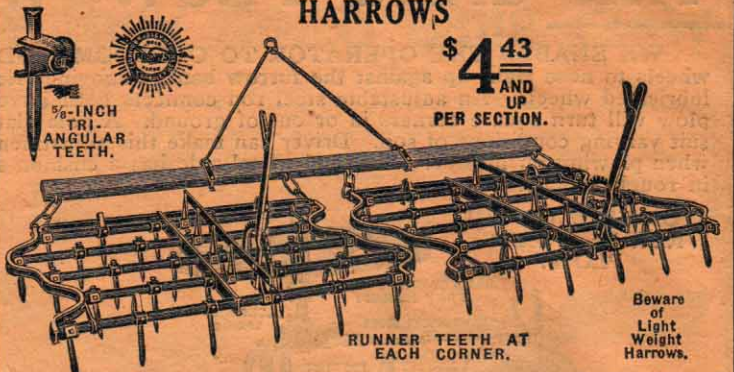


Strong and durable, lighter than steel. Frames are first quality seasoned hardwood, strongly riveted at each tooth, and connected by iron and steel pivot plates and cross pieces. Made in sections, each section having 35 ½-inch square teeth and cutting about 5 feet wide. Frames are painted with high grade oil paint. Teeth can be set at any angle by adjusting the

atchet levers, or harrow can be tilted to run on the cast runners, with which each section is furnished. Price includes drawbar. Prices are for the harrows. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B380	35-Tooth One-Section Lever Harrow.	Wt., 105 lbs.	Price.....\$ 4.48
No. 32B381	70-Tooth Two-Section Lever Harrow.	Wt., 210 lbs.	Price..... 9.19
No. 32B382	105-Tooth Three-Section Lever Harrow.	Wt., 330 lbs.	Price..... 13.72
No. 32B383	140-Tooth Four-Section Lever Harrow.	Wt., 440 lbs.	Price..... 18.27

DAVID BRADLEY GUARDED END STEEL LEVER HARROWS



Popular in timber countries and for use in new or stumpy ground. The sides and front end of the harrow are protected by a heavy steel I beam which forms the frame. The steel tooth bars are fastened to this frame at each end, making a very rigid construction. This outer frame serves to prevent the harrow from catching on trees, stumps, stones, or other obstructions. It prevents breakage of the harrow itself and also damage to harness, which so often occurs with ordinary harrows. The teeth are triangular in shape. They are 7 inches long and connected to the bars with the celebrated Bradley steel tooth clip, the same as used on the Bradley U-Bar harrow. This clip enables one to place the teeth as far apart as desired, or to use as many teeth on a bar as wanted. Teeth are swedged to prevent falling out should they become loose. Made in sections, having either 25 or 30 teeth; each section has five tooth bars and a runner tooth at each corner. The 25-tooth sections cut about 4 feet and the 30-tooth sections about 4½ feet wide. Illustration shows a 60-tooth two-section harrow. Levers are conveniently located and provide for all needed adjustment of teeth. Wood drawbar and irons furnished with two, three and four-section harrows. Draw irons only with one-section harrows. Prices are for the harrows. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B362	25-Tooth One-Section Guarded End Harrow.	Wt., 95 lbs.	Price \$ 4.43
No. 32B363	30-Tooth One-Section Guarded End Harrow.	Wt., 107 lbs.	Price. 5.03
No. 32B364	60-Tooth Two-Section Guarded End Harrow.	Wt., 185 lbs.	Price. 8.36
No. 32B365	60-Tooth Two-Section Guarded End Harrow.	Wt., 210 lbs.	Price. 10.06
No. 32B366	75-Tooth Three-Section Guarded End Harrow.	Wt., 275 lbs.	Price. 13.29
No. 32B367	90-Tooth Three-Section Guarded End Harrow.	Wt., 310 lbs.	Price. 15.09
No. 32B368	100-Tooth Four-Section Guarded End Harrow.	Wt., 365 lbs.	Price. 17.72
No. 32B369	120-Tooth Four-Section Guarded End Harrow.	Wt., 440 lbs.	Price. 20.12

DAVID BRADLEY WOOD FRAME SPRING TOOTH HARROWS.

Especially adapted for use in timber countries. Made in two sections, hinged and flexible at center. Frames are first quality seasoned hardwood, painted with high grade oil paint, and fitted with stump guard around the sides and front and lined with steel on the bottoms. Teeth are made of the best quality of spring steel finely tempered in oil and firmly secured to the bars. The 16-tooth harrow cuts 5 feet; 18-tooth, 6 feet, and 20-tooth, 7 feet wide. Price includes drawbar. Don't buy an unlined harrow; it will cost you nearly as much as a lined harrow and wear out in a very short time. Prices are for the harrows. Shipped from the big David Bradley factory at BRADLEY, ILL.

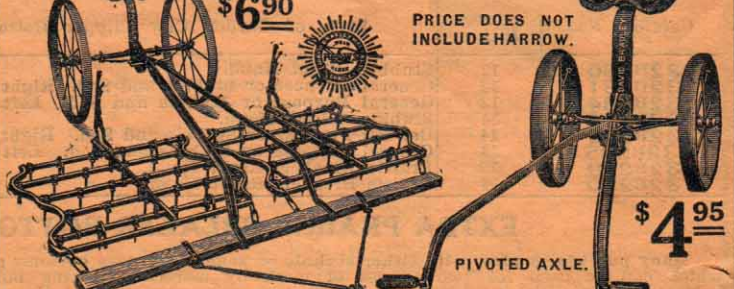
No. 32B384	16-Tooth Lined Harrow.	Wt., 175 lbs.	Price.....\$7.25
No. 32B385	18-Tooth Lined Harrow.	Wt., 195 lbs.	Price..... 8.15
No. 32B386	20-Tooth Lined Harrow.	Wt., 215 lbs.	Price..... 9.35
No. 32B387	Extra Harrow Teeth.	Wt., 5 lbs.	Price, each..... .20

DAVID BRADLEY STEEL FRAME SPRING TOOTH HARROWS.

These harrows are great favorites in timber countries and are the strongest, best built and most perfect working harrows of this type. They are constructed of steel and iron throughout and furnished with special design standard weight, length and size teeth. The levers give the teeth any desired angle and depth. Illustration shows a wheel harrow, but we can furnish either on wheels or on shoes. Harrow has 17 teeth, cuts about 6 feet wide, is made in two sections and is hinged and flexible at center. Price includes drawbar. Prices are for the harrows. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B388	Spring Tooth Harrow on wheels.	Wt., 290 lbs.	Price.....\$14.80
No. 32B389	Spring Tooth Harrow on shoes.	Wt., 240 lbs.	Price..... 13.45
No. 32B390	Extra Spring Teeth.	Wt., 5 lbs.	Price, each..... .27

DAVID BRADLEY ALL STEEL HARROW CART.



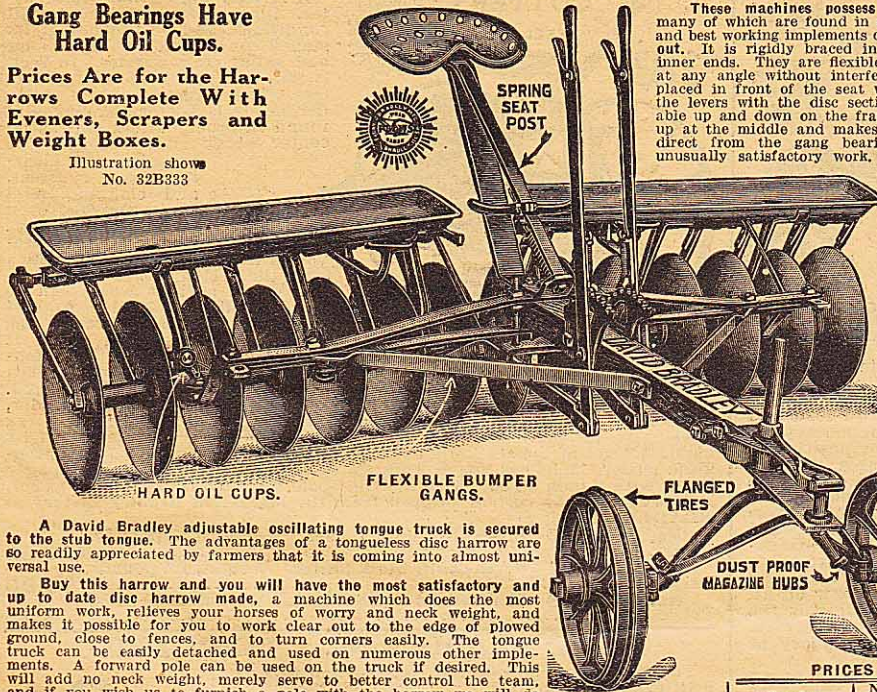
Any farmer who has ever walked behind a drag harrow all day can appreciate this Bradley labor saver. Can be attached to any style of drag harrow, and will save many a hard day's tramp. The Bradley is the only harrow cart made with axle pivoted to the frame. It is strongly built and simple in construction, no wear out to it. The driver is always in line with and facing his team. The seat is mounted on a steel seat spring which is attached to the frame and axle. As the axle is pivoted to the frame there is no cramping or straining in turning. By tripping a foot lever when turning, the axle pivots to allow the cart to follow around after the harrow, and when straightened it automatically locks itself. The cart rides steadily and does not drift on side hill work. Furnished with either 24 or 42-inch wheels with 3-inch oval tires. The 42-inch wheels are preferred by many as they bring the rider well up out of the dust. The shafts or connecting bars are heavy angle iron attaching to the harrow even by means of steel clamps. Distance between wheels of 24-inch cart is 25½ inches and on the 42-inch cart, 43 inches. Prices are for the carts. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B358	Harrow Cart, with 24-inch wheels.	Wt., 95 lbs.	Price.....\$4.95
No. 32B359	Harrow Cart, with 42-inch wheels.	Wt., 152 lbs.	Price..... 6.90

DAVID BRADLEY IDEAL TONGUELESS DISC HARROWS

Gang Bearings Have Hard Oil Cups.
Prices Are for the Harrows Complete With Eveners, Scrapers and Weight Boxes.

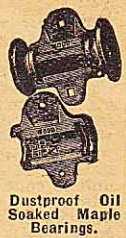
Illustration shows No. 32B333



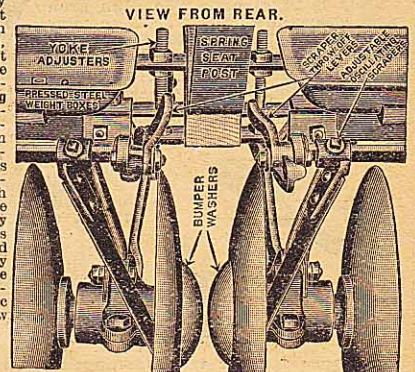
A David Bradley adjustable oscillating tongue truck is secured to the stub tongue. The advantages of a tongueless disc harrow are so readily appreciated by farmers that it is coming into almost universal use.

Buy this harrow and you will have the most satisfactory and up to date disc harrow made, a machine which does the most uniform work, relieves your horses of worry and neck weight, and makes it possible for you to work clear out to the edge of plowed ground, close to fences, and to turn corners easily. The tongue truck can be easily detached and used on numerous other implements. A forward pole can be used on the truck if desired. This will add no neck weight, merely serve to better control the team, and if you wish us to furnish a pole with the harrow we will do so for \$1.00 extra. If you intend to use a forward pole, you should order extra either our No. 32B348 Pole Plate, or No. 32B349 Offset Pole Attachment, listed on page 12 with David Bradley tongue truck. Prices are for the disc harrows complete with at least one eveners, scrapers, weight boxes and tongue truck. We furnish a two-horse hitch with harrows having eight and ten discs, a three-horse hitch with harrows having twelve discs, a four-horse hitch with harrows having fourteen or sixteen discs, and a five-horse hitch with harrows having twenty discs. Prices are for the harrows, shipped from the big David Bradley factory at BRADLEY, ILL.

These machines possess every known improvement in disc harrow construction, many of which are found in no other harrow, and we guarantee them to be the strongest and best working implements of their class made. The frame is made of heavy steel throughout. It is rigidly braced in all directions. The gangs have bumper washers on their inner ends. They are flexible and are operated by independent levers; either can be set at any angle without interfering with the work of the other. Levers are conveniently placed in front of the seat within easy reach of the driver. The steel bars connecting the levers with the disc sections are placed under a heavy steel yoke, which is adjustable up and down on the frame. This holds the discs level, keeping them from buckling up at the middle and makes them cut a uniform depth. Hitch is low and the pull is direct from the gang bearings. The harrow is of perfect balance, which insures unusually satisfactory work. Weight boxes are pressed from a single sheet of heavy steel. Discs are the very best steel, carefully tempered and highly polished. Spools are solid iron. Bearings run in oil soaked maple boxes, and are provided with hard oil cups. Bearings are absolutely dustproof. Axles are steel, 1 1/2 inch square. The oscillating spring steel scrapers are operated by slight foot pressure on a foot lever at each side of seat post. They are also provided with a throw off lever at rear, so that the operator can free the scrapers from the discs at any time. This feature not only saves wear on scrapers and discs but lightens the draft when the use of the scrapers is not required. The spring seat post, fully covered by Bradley patent, can be used on no other disc harrow. This feature, together with the large roomy seat, makes the David Bradley Ideal the easiest riding disc harrow made.



Dustproof Oil Soaked Maple Bearings.



PRICES OF DAVID BRADLEY IDEAL TONGUELESS DISC HARROWS.

Catalog No.	Number of Discs	Width of Cut	16-Inch Discs		18-Inch Discs		20-Inch Discs	
			Weight	Price	Weight	Price	Weight	Price
32B330	8	4 ft.	400 lbs.	\$19.90	415 lbs.	\$21.10	Not made	
32B331	10	5 ft.	430 lbs.	\$21.40	450 lbs.	\$23.00	Not made	
32B332	12	6 ft.	490 lbs.	\$24.50	525 lbs.	\$26.00	555 lbs.	\$27.20
32B333	14	7 ft.	555 lbs.	\$25.90	595 lbs.	\$28.90	630 lbs.	\$29.55
32B334	16	8 ft.	590 lbs.	\$27.60	635 lbs.	\$29.90	680 lbs.	\$30.75
32B334 1/2	20	10 ft.	722 lbs.	\$31.50	762 lbs.	\$34.60	Not made	

IDEAL DISC HARROWS WITHOUT EVENERS, WEIGHT BOXES OR SCRAPERS.

When comparing our prices with others, bear in mind that the prices quoted on this page are for Ideal Disc Harrows complete with eveners, weight boxes and scrapers, and when you buy a disc harrow, we recommend that you buy it complete. But in case you wish us to furnish any of the Ideal Disc Harrows shown on this page without either eveners, weight boxes or scrapers, you may deduct from our prices the amounts in the opposite column, according to the size of harrow you order and the parts you wish omitted.

From prices of harrows having	8 Discs	10 Discs	12 Discs	14 Discs	16 Discs	20 Discs
If wanted without eveners, deduct...	\$0.75	\$0.75	\$1.23	\$1.98	\$1.98	\$2.48
If wanted without weight boxes, deduct...	1.00	1.00	1.32	2.25	1.25	1.35
If wanted without scrapers, deduct...	1.55	1.87	2.12	2.50	2.50	2.80

DAVID BRADLEY IDEAL CUT OUT DISC HARROWS.

Prices Are for the Harrows Complete With Eveners, Scrapers and Weight Boxes.



HARD OIL CUPS AND GANG BEARINGS. Illustration shows No. 32B338.

FURNISHED WITH TONGUE OR TONGUELESS. The general construction of these harrows is identical with the David Bradley Ideal Disc Harrows, described above, the only difference being the shape of the discs. This type of harrow is preferred in many sections of the country. They are desirable for use in wet or sticky soil, as the discs do not clog nor foul so quickly as the full round disc. They are also extensively used in soft ground to prepare for cultivation without plowing. Discs are made of the very best steel, carefully tempered and highly polished. The spring steel scrapers are operated by throw off levers at the rear, they clean the discs perfectly and at a point just above the ground so that dirt and trash are not carried above and over the bar to fill up the discs before they again enter the ground. The eveners furnished with these harrows are the same as furnished with the corresponding sizes of David Bradley Ideal Tongueless Disc Harrows described above. Prices are for the harrows, shipped from the big David Bradley factory at BRADLEY, ILL.

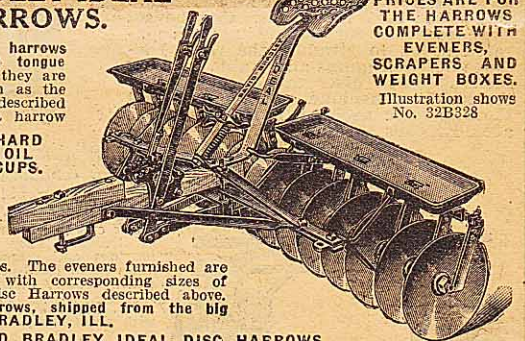
PRICES OF DAVID BRADLEY IDEAL CUT OUT DISC HARROWS.

Catalog No.	Number of Discs	16-Inch Discs		18-Inch Discs		20-Inch Discs	
		Weight	Price	Weight	Price	Weight	Price
32B335	8	330 lbs.	\$16.60	Not made	Not made	Not made	
32B336	10	365 lbs.	\$18.25	Not made	400 lbs.	\$21.25	
32B337	12	435 lbs.	\$21.65	460 lbs.	\$23.30	490 lbs.	\$24.70
32B338	14	485 lbs.	\$23.07	515 lbs.	\$25.35	Not made	
32B339	16	510 lbs.	\$24.95	545 lbs.	\$26.55	575 lbs.	\$28.72

NOTICE—For \$3.95 in addition to above prices we will furnish any of the cut out disc harrows without forward pole, but with David Bradley cast wheel tongue truck, shown on page 12, making the best tongueless cut out disc harrow you can buy.

DAVID BRADLEY IDEAL DISC HARROWS.

Except that these harrows are not furnished with tongue truck, but have a pole, they are of the same construction as the Tongueless Disc Harrows described above. If you prefer a harrow with tongue, or wish to utilize some tongue truck which you have, you can make no better selection than this machine. Prices are for the harrow complete with tongue, eveners, scrapers and weight boxes. The eveners furnished are the same as furnished with corresponding sizes of the Ideal Tongueless Disc Harrows described above. Prices are for the harrows, shipped from the big David Bradley factory, BRADLEY, ILL.



PRICES ARE FOR THE HARROWS COMPLETE WITH EVENERS, SCRAPERS AND WEIGHT BOXES. Illustration shows No. 32B328

PRICES OF DAVID BRADLEY IDEAL DISC HARROWS.

Catalog No.	Number of Discs	Width of Cut	16-Inch Discs		18-Inch Discs		20-Inch Discs	
			Weight	Price	Weight	Price	Weight	Price
32B325	8	4 ft.	350 lbs.	\$15.95	365 lbs.	\$17.15	Not made	
32B326	10	5 ft.	380 lbs.	\$17.40	400 lbs.	\$19.00	Not made	
32B327	12	6 ft.	440 lbs.	\$20.60	475 lbs.	\$22.10	505 lbs.	\$23.25
32B328	14	7 ft.	505 lbs.	\$21.95	545 lbs.	\$23.95	580 lbs.	\$25.60
32B329	16	8 ft.	540 lbs.	\$23.65	585 lbs.	\$24.95	630 lbs.	\$26.80

WEIGHTS GIVEN IN THIS CATALOG.

With goods which do not require crating or boxing, such as disc harrows, drag harrows, walking plows, cultivators, rakes, etc., the weights given are approximately the actual weights of the implements.

With some other implements, such as sulky and gang plows, upon which we crate the frames and bottoms, and corn planters, where we crate the fronts and boxes to protect them from damage and also to enable us to ship them practically set up and relieve the purchaser of as much work as possible, the weights given include the weight of the crating material. However, this extra weight never amounts to much because, to save you freight charges, we use as light weight crates as will serve the purpose.

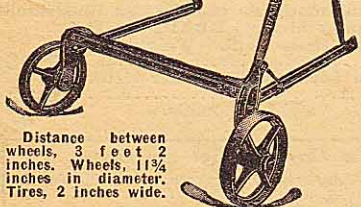
No other manufacturer exercises such care and expense to have their goods reach the purchaser in perfect condition, and we believe no other concern selling farm implements so carefully states their weights. However, you will seldom find two implements of the same kind and make that will weigh exactly the same, because materials vary slightly, but you will always find our weights substantially correct and as exact as it is possible to give them.

The uniform strength and great wear resisting qualities of Bradley implements is due to the fact that we use more material and better material than others and consequently our implements invariably weigh more. Bear this in mind when you compare our goods and prices with others. Material costs money and when you are offered a light weight implement at a low price, it is easy to see that the low price is possible only through sacrifice of strength and quality.

David Bradley Transport Trucks for Disc Harrows.

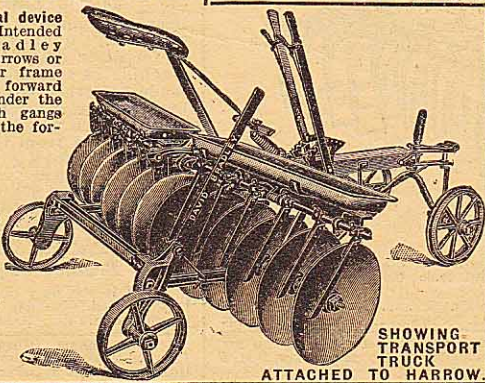
\$3.75

Saves time, labor and wear on discs.



Distance between wheels, 3 feet 2 inches. Wheels, 1 1/2 inches in diameter. Tires, 2 inches wide.

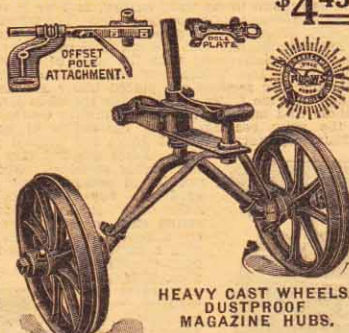
The only practical device of its kind made. Intended for use with Bradley Tongueless Disc Harrows or others with similar frame construction. The forward arms are placed under the disc axles of both gangs and hooked on to the forward frame. When the lever is thrown up the disc gangs are automatically raised from the ground and the harrow is ready for transporting on the road or from field to field, while driver rides in the seat without danger of tipping over. Saves your discs and makes the work easier for horses. Strongly made and should last a lifetime. Shipped from BRADLEY, ILL. No. 32B340 Transport Truck. Wt., 80 lbs. Price...\$3.75



SHOWING TRANSPORT TRUCK ATTACHED TO HARROW.

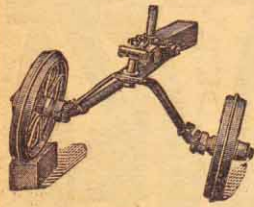
DAVID BRADLEY ADJUSTABLE OSCILLATING TONGUE TRUCK.

For use with disc harrows, mowers, seeders, land rollers, etc. The same truck furnished with the David Bradley Tongueless Disc Harrow. Can be used to advantage on almost every farm implement. Relieves the team of neck weight, and does away with the constant worry of an unwieldy tongue. Simple construction, nothing to break or get out of order, and it contains many features superior to any other tongue truck made. Wheels are solid cast iron, 14 inches high, with flanged tires 2 1/4 inches wide. They have wide oil retaining dustproof hubs. Distance between wheels is 24 inches. The high arch steel axle allows the wheels to pass clear under the tongue, permitting short turns either way. The casting which attaches to the stub pole is adjustable up or down on the standard, so as to accommodate all heights of hitches and insure direct draft. The construction of this casting is such as to permit the wheels to oscillate and adjust themselves to uneven ground. Each wheel carries its own load and either can be run over an obstruction several inches high without disturbing the position of the tongue or hitch. This insures uniform work and relieves the team of side draft. We furnish at extra prices quoted a pole plate, which can be used with two or four-horse hitches whenever it is desired to use a forward pole with the truck, or an offset pole attachment for forward pole with three or five-horse hitch. The truck is easily attached to any implement. It is only necessary to saw off all but about 4 feet of the tongue and bolt the truck to the stub with bolts we furnish.



\$4 45

HEAVY CAST WHEELS. DUSTPROOF MAGAZINE HUBS.



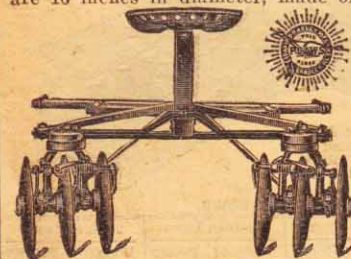
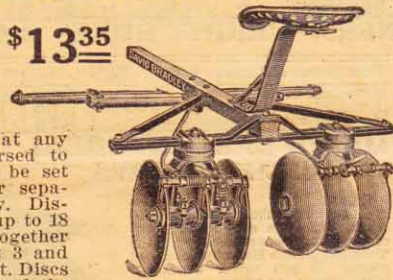
Prices are for the trucks shipped from the David Bradley factory at BRADLEY, ILL.

- No. 32B347 Tongue Truck. Weight, 75 pounds. Price.....\$4.45
- No. 32B348 Pole Plate for two or four-horse hitch. Weight, 4 pounds. Price.....36
- No. 32B349 Offset Pole Attachment for three or five-horse hitch. Weight, 18 pounds. Price.....94

DAVID BRADLEY REVERSIBLE DISC HARROW AND CULTIVATOR.

One of the handiest implements on the farm and is becoming more popular every year. Designed for gardeners and small farmers, but it is useful on even very large farms. It serves the purpose of a disc harrow or a disc cultivator. The discs can be set at any angle desired and can be reversed to throw the dirt in or out. Can be set close together for harrowing or separated so as to straddle the row. Distance between gangs adjustable up to 18 inches. When discs are close together the six-disc machine cuts about 3 and the eight-disc machine about 4 feet. Discs are 16 inches in diameter, made of the

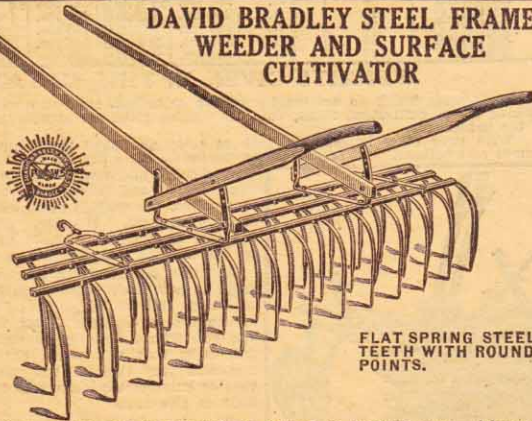
\$13 35



ADJUSTABLE HANDLES AND SHAFT. CUTS 7 1/2 FEET.

\$6 15

A wonderful improvement over the old style square or round tooth weeders, and a tool that is growing in popularity every year. The flat oval spring steel teeth possess greater elasticity than any other form; create a finer mulch and do not injure crops. The frame is made of heavy angle steel and is strongly braced. Weeder has thirty-nine teeth held firmly by individual fastenings. Teeth can be removed as desired to straddle rows. Adapted for use in any soil. Prices are for the harrows shipped from the big David Bradley factory at BRADLEY, ILL.

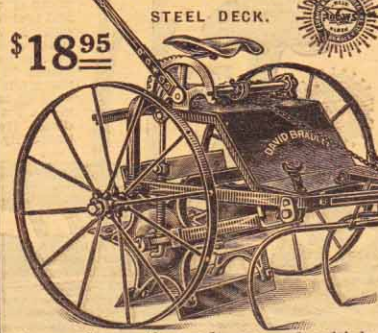


FLAT SPRING STEEL TEETH WITH ROUND POINTS.

- No. 32B595 Steel Frame Weeder. Weight, 90 pounds. Price.....\$6.15
- No. 32B596 Extra Weeder Teeth. Weight, 1 pound. Price.....15

Chas. P. Hall of Almont, N. Dak., says—I know of no language that could express my appreciation of the X-Rays Sulky Plow. It is easily the superior of any other plow that I know of in every way.

DAVID BRADLEY COTTON AND CORNSTALK CUTTERS.



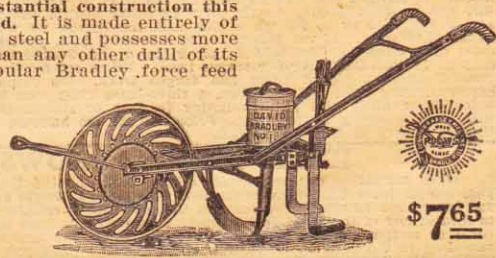
\$18 95

A strictly high grade stalk cutter. Does perfect work under all conditions, and on account of its stanch construction will give long and satisfactory service. In fact, it will outlast two ordinary cutters. The diameter of the cylinder heads is larger than usually found in other cutters and as no center shaft runs through the cylinder, the clearing space is great, and clogging next to impossible, even in heaviest work. The cylinder revolves easily and the blow which cuts the stalks is accelerated by two spiral springs which can be compressed or adjusted to suit the work. A lever operates the crank. When pushed back it forces down the rods around which the springs are coiled. This compresses the springs and gives a heavy or light stroke as required. When lever is thrown forward, frame and cylinder are raised from the ground. A ratchet holds lever in position to give downward pressure to cylinder, or to hold it from the ground when going to and from the field. Drag hooks rise automatically with the cylinder. They can also be raised by hand. Knives of the six-knife cutter are 13 inches apart and on the seven-knife cutter, 11 inches apart. Wheels are steel, 36 inches high, strongly built, with 2-inch tires. Price includes pole, but not neckyoke or eveners. Prices are for the cutters shipped from the big David Bradley factory at BRADLEY, ILL.

- No. 32B410 Six-Knife Stalk Cutter. Weight, 40 pounds. Price.....\$18.95
- No. 32B411 Seven-Knife Stalk Cutter. Weight, 46 1/2 pounds. Price.....19.90
- No. 32B413 Whiffletrees and Neckyoke. Weight, 16 pounds. Price, extra.....1.15

DAVID BRADLEY No. 1 CORN DRILL.

For simple and substantial construction this drill cannot be excelled. It is made entirely of the very best iron and steel and possesses more convenient features than any other drill of its class. It has the popular Bradley force feed drop, which insures positive work. It is furnished with three plates, dropping one kernel of corn 12, 14 or 16 inches apart, and a blank plate which may be drilled to plant cane seed, peas, beans or other seed. Holes in the plate are larger



\$7 65

at the bottom than at the top. This prevents the corn lodging when being carried to the opening of the boot. A brush and metal cut-off are provided in the steel hoppers either can be used when wanted, change being made by the lever while machine is in motion; the same lever also throws the drill in and out of gear. Handles are flat steel with malleable hand pieces. Price is for shipment from the big David Bradley factory, BRADLEY, ILL.

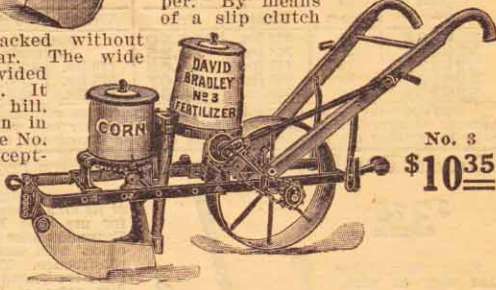
- No. 32B450 No. 1 Corn Drill. Weight, 105 pounds. Price.....\$7.65

DAVID BRADLEY Nos. 2 AND 3 PRESSER WHEEL ONE-HORSE CORN DRILLS.

A high grade machine in every respect. Meets all requirements. This machine has the celebrated Bradley rotary force feed dropping device, which is controlled by sprockets made to drop one kernel of corn 10, 15, 20 or 26 inches apart. We furnish four sprockets, two plates, suitable for dropping large or small corn and blank plate which can be drilled to plant peas, beans, cane or other seed. An opening in the boot enables the operator to see the corn at all times as it leaves the hopper. By means of a slip clutch



No. 2 \$7 95



No. 3 \$10 35

the drill can be backed without throwing out of gear. The wide presser wheel is provided with a steel scraper. It properly covers every hill. No. 2 drill is shown in upper illustration. The No. 3 drill is the same, excepting that it is provided with a fertilizer attachment. It sows any quantity of fertilizer desired. Machine is strongly made of the very best iron and steel. Handles are wood. Prices are for the machines complete as illustrated and shipped from the big David Bradley factory, BRADLEY, ILL.

- No. 32B452 No. 2 One-Horse Corn Drill. Weight, 90 pounds. Price.....\$ 7.95
- No. 32B453 No. 3 One-Horse Corn and Fertilizer Drill. Weight, 128 pounds. Price.....10.35
- No. 32B454 Marker and Pole. Weight, 7 pounds. Price, extra.....38

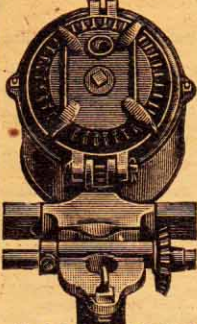
Bradley Repairs Shipped the Day We Get the Order.

It is the duty of our Bradley Repair Department to ship every order the day it is received. No one else can serve you so promptly or furnish repairs at such low prices as we do. Read "How to Order Repairs," on page 1.

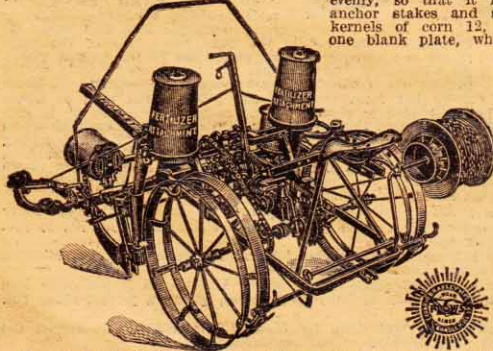
C. H. Tanner, Hillsdale, Ill., says—I have a Bradley Walking Plow which can't be beat for good work, and I have a Bradley Force Drop Corn Planter, and right here let me say, a team never took a better planter into a field. No planter can beat it for correct dropping.

DAVID BRADLEY New No. 1 Flat Drop Force Drop CORN PLANTER

TILTING SEED BOXES.



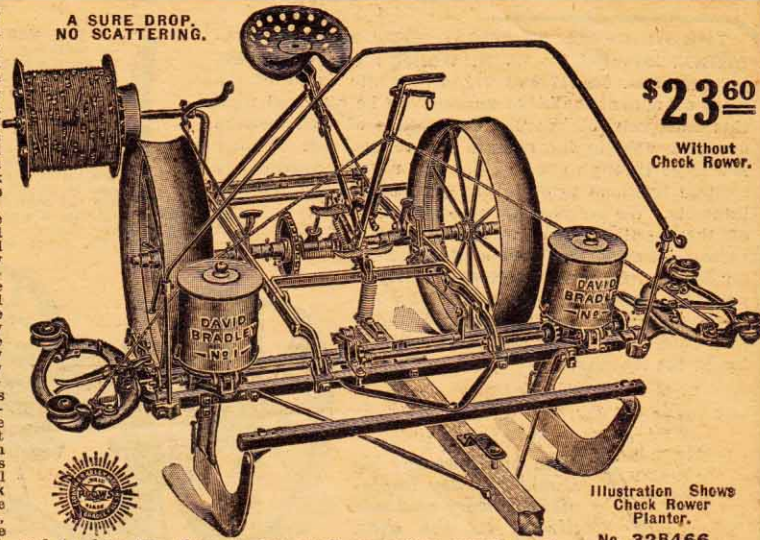
Seed box tilted forward showing plates and dropping mechanism. The planter is regularly furnished with 60-inch wheels with concave tires as shown in illustration. Will furnish with open wheels for 75 cents extra, and with 38-inch wheels for \$1.75 extra. If other than the regular style of wheel is wanted, be sure to so order. An automatic axle clutch shifter stops the drilling device when the front frame is raised, and when the frame is again lowered the sprocket is automatically thrown in and the planting mechanism again operates. The planter fitted for drilling only does not have check rower and its attachments. It is furnished with four plates to drill single kernels of corn 12, 14, 17, 20 inches apart, and one blank plate. The Check Rower Planter is complete with 80 rods of wire, automatic reel, which distributes the wire evenly, so that it never catches in unwinding, anchor stakes and seven plates, to drill single kernels of corn 12, 14, 17 or 28 inches apart, and to drop two, three or four small or medium kernels; and your seed. (See description below of No. 15 Planter.)



No. 1 Check Rower Planter, with open tire wheels and fertilizer attachment. The same style of fertilizer attachment is also furnished for the No. 15 planter listed below.

Probably no other planter has enjoyed greater popularity or has earned such a well deserved reputation for uniform reliability. It has been perfected through more than thirty years of severest tests and with the convenient features which we have added as improvements to this season's models, we feel sure the old reliable No. 1 will find greater favor among its friends than ever. This is a flat drop planter which cannot be excelled for use with all kinds and sizes of seed, and if sorted and graded corn is used will drop as accurately as edge drop planters of other make. The plates are revolved by a pinion which is operated by the check rod and deposit the corn in the boots where it is held by valves until the check is made, then the plunger automatically forces the lower valves open and deposits the corn in the furrow without scattering. You cannot buy a better planter at any price and to the farmer who does not care to use graded corn, we recommend it in preference to our edge drop planter. It is of strong and rigid construction, yet light enough to be easily handled by any ordinary team. Simplicity of mechanism, ease of adjustment and uniformity of drop are its striking features. The frame is made of heavy channel iron, all connections are steel and malleable iron, a positive guarantee against breakage. The runners are larger and stronger than found in ordinary planters. They are strongly connected and their depth can be regulated independently. Seed boxes are larger than previously used and are hinged and tilt forward, making it an easy matter to change plates. Wheels are steel of strong construction. The planter is furnished with four plates to drill single kernels of corn 12, 14, 17 or 28 inches apart, and one blank plate, which can be drilled as desired. Special plates can be furnished if you will send samples of your seed. (See description below of No. 15 Planter.)

A SURE DROP.
NO SCATTERING.



\$23⁶⁰

Without Check Rower.

Illustration Shows Check Rower Planter. No. 32B466 Price\$28.50

The new Automatic Reel is operated by friction. The reel is lowered by foot lever and the friction wheel fits outer rim of planter wheel, which revolves it and winds and unwinds the wire. An anchor stake is placed through the eye on seat bracket. The wire is placed in the hook at the end of anchor stake, which, if shifted back and forth, insures even winding of wire. The new spring anchor stake is a valuable improvement as it relieves the strain on the check wire and adds to its life.

Planters are adjustable for rows 3 feet 4 inches, 3 feet 6 inches, 3 feet 8 inches, 3 feet 10 inches, or 4 feet apart. Can furnish check rower wire with buttons 3 feet, 3 feet 4 inches, 3 feet 6 inches, 3 feet 8 inches, 3 feet 10 inches, or 4 feet apart. When ordinary state width is desired, the planter set and the distance between the buttons on check rower wire.

At extra price quoted we furnish a steel fertilizer attachment which attaches to the rear frame between seed boxes and wheels. When used with check rower planter this attachment drops the fertilizer 2 inches to the rear of the hill and when used with the drill planter it drills the fertilizer continuously in the rows. The most approved method.

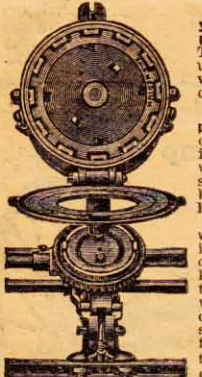
Prices are for complete planters, including pole, disc marker and arch for marker rope to pass over. Neckyoke and evenner not furnished. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B465 No. 1 Corn Planter, fitted for drilling only. Shipping weight, 395 lbs. State width at which you want runners set. Price.....	\$23.60
No. 32B466 No. 1 Check Rower Planter, complete. Be sure to state width at which you want planter set and distance between buttons on check rower wire. Shipping weight, 525 pounds. Price.....	28.50
No. 32B468 Fertilizer Attachment, extra. Shipping weight, 140 lbs. Price.....	9.35
No. 32B469 Check Rower Wire. Be sure to state distance wanted between buttons. This wire is of standard size and make and can also be used on any of the other standard makes of planters. Weight, per rod, 8 ounces. Price, per rod.....	.03½

SPRING ANCHOR STAKE
Furnished with No. 1 and
No. 15 Planters.

DAVID BRADLEY New No. 15 Edge Drop Force Drop CORN PLANTER

IMPROVED NEW MODEL. VARIABLE DROP. PLANTS EITHER TWO OR THREE KERNELS TO THE HILL. FOR USE ONLY WITH GRADED CORN.



Seed box tilted forward showing plates and dropping mechanism. The planter is in motion by shifting a lever, which changes the number of kernels dropped to either two or three kernels to the hill and without changing plates. This method of up to date planting should increase your corn yield sufficiently the first year to pay for the planter.

By using carefully graded corn and an edge drop planter you will greatly increase your yield per acre, but in buying an edge drop planter you should bear in mind that a corn planter cannot be expected to possess human intelligence, you must select the seed for it. The advantage in using an edge drop planter is, it will make you plant seed of uniform size and shape. Give the planter carefully sorted and graded corn and you will experience no difficulty, but the minute you fail to do your part, the machine cannot be expected to operate satisfactorily.

The No. 15 when properly operated is the most steadily accurate and reliable planter ever produced by any man who will use nothing but corn of uniform shape and size and which has been well graded, we recommend it in preference to the flat drop planter. No edge drop planter will do good work with other than carefully graded seed. Butts and tips or large and small kernels cannot be handled, together and unless you intend to use nothing but carefully sorted and graded seed, we recommend that you buy our David Bradley No. 15 Flat Drop Planter, No. 32B467, illustrated and described above.

The greatest advantage of the No. 15 planter over all other is its wonderful accuracy. One kernel of corn at a time is arranged edgewise into the plate cells in the rim of the plate and is carried forward to the cut-off, which with the assistance of a spring knocker, passes one kernel at a time to the valves in the boots which hold them until the check is made at each second or third kernel, according to the wishes of the operator. The lower plungers force the lower valves open and the entire accumulation is dropped into the hill without scattering. Mud cannot clog up the boots. Hopper tilted forward for changing or examining plates and is very large around, so as to take large plates, which give more time for the corn to work down into the cells, assuring a perfect drop.

VARIABLE DROP The strength of the soil varies in the different parts of every field, and seed should be dropped accordingly. The variable drop feature of the No. 15 planter enables the operator to change the number of kernels to the hill while the planter is in motion by shifting a lever, which changes the number of kernels dropped to either two or three kernels to the hill and without changing plates. This method of up to date planting should increase your corn yield sufficiently the first year to pay for the planter.

THE FRONT FRAME is flexible and permits the self adjustment of runners to uneven ground, placing the corn always at a uniform depth. The adjustable tongue keeps planter running level, no matter what height the team may be. The three-piece clutch has a positive lock which holds the dropper shaft after it has made a revolution until corn is again dropped by the check wire, when clutch is then thrown out of gear. No rods are needed to change from check drop to drill, simply fasten open both valves in each boot and throw out the clutch stop with the small lever on under side of shaft.

THE AUTOMATIC REEL is operated by friction. To wind or unwind the check wire the reel is lowered by an easily reached foot lever, so that the friction wheel fits outer rim of planter wheel, which revolves it. An anchor stake is placed through the eye on seat bracket. The check wire is placed in the hook at end of anchor stake and the stake shifted back and forth, which insures even winding of wire. Our new spring anchor stake is a valuable improvement, as it relieves strain and adds to the life of the check wire.

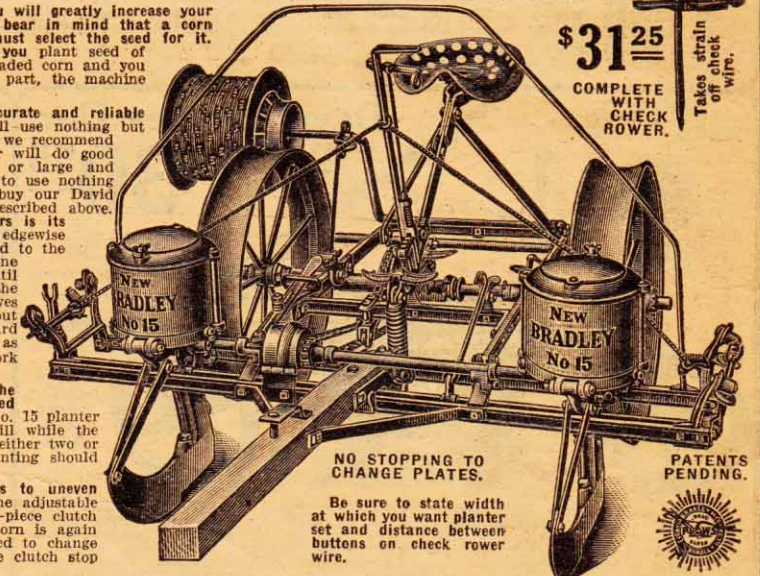
PLATES Regularly furnished with each check rower planter are a pair for medium and a pair for large size kernels. In order to get good results the plates must fit the corn you are to plant. Should none of these plates fill your particular need, we can furnish, upon receipt of a sample of your corn, plates that will drop it accurately. Can furnish special plates for kafir corn, shoe peg, yellow dent and popcorn; also special plates for Maryland, Kentucky and Tennessee corn.

WHEELS Regularly furnished 30 inches high with concave tires, as shown in illustration, but we will furnish the planter with open adjustable for rows 3 inches, 3 feet 4 inches, 3 feet 6 inches, 3 feet 8 inches apart. Can furnish check rower wire with buttons 3 feet, 3 feet 4 inches, 3 feet 6 inches, 3 feet 8 inches, 3 feet 10 inches, or 4 feet apart. When ordering state distance at which you wish the planter set and the distance between buttons on check rower wire.

FERTILIZER ATTACHMENT is furnished with this planter only when ordered extra. It is a profitable attachment to own and we recommend its use to every farmer. This attachment drops the fertilizer 2 inches to the rear of the hill, the most successful way. Fertilizer feed can be thrown out of gear at end of row.

Price is for the complete planter, including pole, disc marker and marker arch. Neckyoke and evenner are not furnished. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B471 No. 15 Check Rower Planter, complete with 80 rods of check wire and anchor stakes. Be sure to state width at which you want planter set and distance between buttons on check rower wire. Shipping weight, 520 pounds. Price.....	\$31.25
No. 32B473 Fertilizer Attachment, extra. Shipping weight, 140 pounds. Price.....	9.35
No. 32B469 Check Rower Wire. Weight, per rod, 8 ounces. Price, per rod.....	.03½



\$31²⁵

COMPLETE WITH CHECK ROWER.

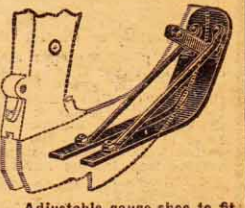
Takes strain off check wire.

NO STOPPING TO CHANGE PLATES.

PATENTS PENDING.

Be sure to state width at which you want planter set and distance between buttons on check rower wire.

Furnished with No. 1 and No. 15 Planters.



Adjustable gauge shoe to fit any standing level ground planter. Insures even depth planting in every ground. Wt. per pair, 20 lbs. No. 32B470 Corn Planter Gauge Shoe. Price, per pair\$1.25

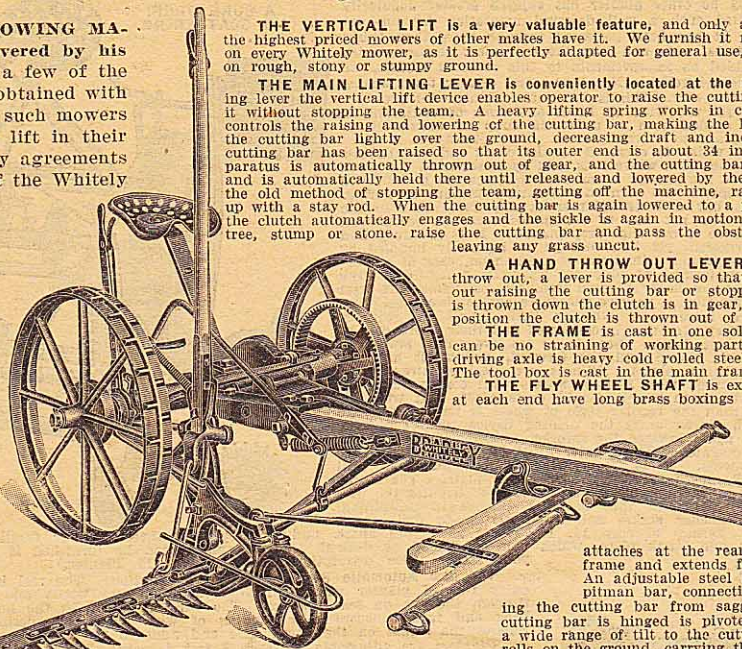


Fertilizer Attachment.

The Celebrated Whitely Vertical Lift Mower

THE ORIGINAL VERTICAL LIFT MOWING MACHINE, invented by W. N. Whitely; covered by his patents, Nos. 669,717 and 744,141. While a few of the most prominent makes of mowers can be obtained with this most valuable feature, the makers of such mowers are only able to incorporate the vertical lift in their machines through shop rights and royalty agreements secured by them prior to our purchase of the Whitely interests. We are now the sole owners of these patents and we now make these celebrated machines at the Bradley factory, from the original Whitely patterns, excepting where we have made improvements to increase the easy running qualities and serviceability of the mowers.

Now made at our big David Bradley implement factory and sold direct to the user, saving him the middlemen's profits.



THE VERTICAL LIFT is a very valuable feature, and only a few of the highest priced mowers of other makes have it. We furnish it regularly on every Whitely mower, as it is perfectly adapted for general use, although of special benefit for cutting on rough, stony or stumpy ground.

THE MAIN LIFTING LEVER is conveniently located at the right. By raising or lowering this lifting lever the vertical lift device enables operator to raise the cutting bar to an upright position, or lower it without stopping the team. A heavy lifting spring works in combination with the lifting device and controls the raising and lowering of the cutting bar, making the lift very easy, and assisting in carrying the cutting bar lightly over the ground, decreasing draft and increasing the cutting power. When the cutting bar has been raised so that its outer end is about 34 inches from the ground, the cutting apparatus is automatically thrown out of gear, and the cutting bar can be raised to an upright position and is automatically held there until released and lowered by the lifting lever, a vast improvement over the old method of stopping the team, getting off the machine, raising the bar by hand and hooking it up with a stay rod. When the cutting bar is again lowered to a point about 34 inches above the ground the clutch automatically engages and the sickle is again in motion. You can drive and cut right up to a tree, stump or stone, raise the cutting bar and pass the obstruction without stopping the team or leaving any grass uncut.

A HAND THROW OUT LEVER. In addition to the automatic clutch throw out, a lever is provided so that the operator can stop the sickle without raising the cutting bar or stopping the team. When this hand lever is thrown down the clutch is in gear, and by raising the lever to an upright position the clutch is thrown out of gear and the sickle stops cutting.

THE FRAME is cast in one solid piece, very strong and rigid. There can be no straining of working parts even on the roughest ground. Main driving axle is heavy cold rolled steel and runs in dustproof roller bearings. The tool box is cast in the main frame, thus reinforcing it.

THE FLY WHEEL SHAFT is extra heavy cold rolled steel. Its bearings are at each end have long brass boxings with oil holes and oilers. Fly wheel is keyed to shaft; the large beveled gear has an adjustment, making it possible to bring it into closer mesh with the small pinion. The gears are of a special hard iron, will last many years and run smoothly and silently.

THE COUPLING FRAME to which cutting bar hinges is made from malleable iron and steel. It attaches at the rear to the right hand side of the main frame and extends forward and down to the ground wheel. An adjustable steel drag bar extends across in front of the pitman bar, connecting the forward ends securely and holding the cutting bar from sagging back. The tilting arch to which cutting bar is hinged is pivoted to the coupling frame so as to give a wide range of tilt to the cutting bar, while the inner carrying wheel rolls on the ground, carrying the weight of coupling frame and cutting bar. When the cutting bar is raised for transporting to and from

the field the wheel can be adjusted to carry its weight over the ground, relieving the team of neck weight. Both inner and outer carrying wheels are adjustable up and down, increasing the range of lift to the cutting bar, making it possible to cut close to the ground or high up for weed cutting.

THE FOOT LIFT LEVER is used for raising ground wheel and inner end of cutting bar; thus the inner end of cutting bar may be raised to clear obstructions, while the outer end is cutting at regular height. The foot lift is also used to lift ground wheel and inner end of cutting bar when turning corners.

THE LONG WOOD PITMAN has a hinged joint at the wrist pin and a large socket joint at the knife head end, allowing the cutting bar to be raised or lowered, tilted up or down, without causing friction on the bearings.

THE CUTTING BAR is heavy cold rolled steel. Knife sections are best grade cutlery steel. Knife head is malleable iron with an adjustable ball and socket connection to end of pitman. Guards are malleable iron with serrated steel plates, giving a perfect shear cut. Hard steel removable wearing plates reduce friction.

OUTER SHOE is riveted to end of cutting bar and outer carrying wheel is adjustable up and down for high or low cutting. It carries the weight of outer end of cutting bar, preventing outer shoe from digging in the ground when backing or turning around.

THE SWATH BOARD has a spring pressure which causes it to automatically avoid obstructions. Swath stick is adjustable for turning light or heavy material.

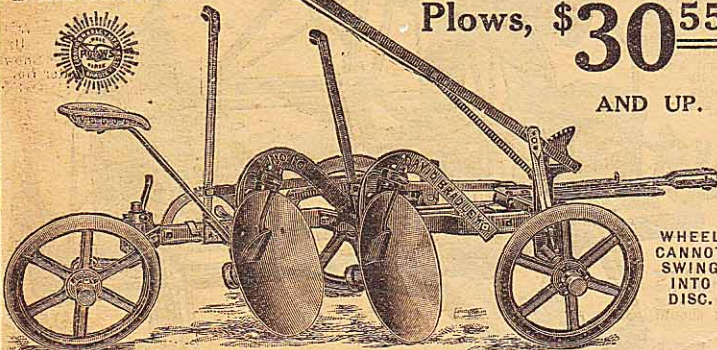
SOLID CAST IRON WHEELS are 32 inches high with 4-inch tires and, besides the cross lugs, have a center flange which forms a center tread, preventing skidding or bumping when hauling mower over hard roads. Distance between wheels is 4 feet from center to center of tires. Wheel hubs have engaging ratchets and dogs, insuring even motion.

Large comfortable seat has easy riding spring and is adjustable for light or heavy operators. Price is for mower complete with neckyoke, doubletrees, one extra knife, one extra section, one extra guard, wrench, punch, cold chisel and oil can. Prices are for the mowers shipped from BRADLEY, ILL.

No. 32B975	Whitely Vertical Lift Mower with 4 1/2-foot cutting bar.	Weight, 740 pounds.	Price.....	\$34.50
No. 32B976	Whitely Vertical Lift Mower with 5-foot cutting bar.	Weight, 750 pounds.	Price.....	35.00
No. 32B977	Whitely Vertical Lift Mower with 6-foot cutting bar.	Weight, 760 pounds.	Price.....	36.00
No. 32B978	Extra Guards.	Weight, 1 pound.	Price, each.....	.20
No. 32B979	Extra Sections.	Including rivets. Weight, 3 ounces.	Price, each.....	.04

WONDERS IN HARD GROUND.

David Bradley Disc Plows, \$30⁵⁵ AND UP.



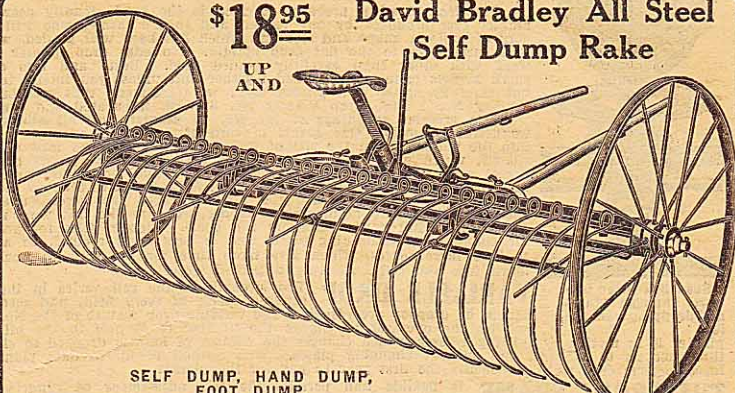
WHEEL CANNOT SWING INTO DISC.

These are absolutely high class plows of the strongest possible construction. The frames are extra heavy bar steel throughout, having practically no cast parts excepting the heavy cast wheels and their attachments. The steel beam to which the eveners attaches is a wide steel plate which yields vertically when the discs meet with unusual resistance. Wheel weights can be attached to wheels for plowing extra hard ground. The discs are of finely tempered steel, 24 inches in diameter, and the disc journals turn in hardened boxes. The spindle bearings are chilled and are practically wearproof. Our No. 9 plow handles nicely with three horses, the No. 10 with four and the No. 11 with six horses. The plows make short turns either way and there is absolutely no side draft, either with horses abreast or tandem hitch.

Disc plows are more especially adapted for use in soils where the ground becomes so dry or hard that it is impossible for a moldboard plow to enter the ground. They do good work in heavy weeds, but are not adapted for turning sod. The discs of the Bradley Disc Plow are set farther apart than on ordinary disc plows, which makes them clean better in heavy weeds or stalks. The width of the furrow depends on the depth at which the plow is run. Cutting 6 to 8 inches deep, the No. 9 disc plow will cut a furrow about 10 to 13 inches wide, the No. 10 from 20 to 24 inches wide, and the No. 11 from 30 to 34 inches wide. Prices are for the plow complete with equalizer. Prices are for the plows shipped from the big David Bradley factory at BRADLEY, ILL.

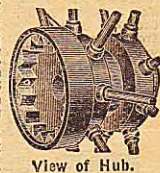
No. 32B210	No. 9 Single Disc Plow, with 3-horse equalizer.	Weight, 793 pounds.	Price.....	\$30.55
No. 32B211	No. 10 Double Disc Plow, with 4-horse equalizer.	Weight, 1,042 pounds.	Price.....	45.50
No. 32B212	No. 11 Triple Disc Plow, with 6-horse equalizer.	Weight, 1,286 pounds.	Price.....	53.95
No. 32B213	Extra Discs.	Weight, 20 pounds.	Price, each.....	3.00

\$18⁹⁵ David Bradley All Steel Self Dump Rake



SELF DUMP, HAND DUMP, FOOT DUMP.

A fine example of David Bradley quality. An exceptionally strong and easy working hay rake. Will do perfect work in either heavy, light or tangled hay, alfalfa or clover, and will do as good work in corn as any rake on the market. The head, axle, cleaner head and platform are high carbon steel. The head is strengthened with a truss rod so that head cannot possibly sag. All castings which are subject to strain are malleable. Wheels are 54 inches high with 16 half-inch staggered spokes, wide double flanged hubs with removable hub boxes and heavy 2-inch channel steel tires. They are as strong as any rake wheels made. Ratchets are protected by dump shields, preventing hay from catching and winding. Teeth are high carbon spring steel tempered in oil, and are fastened to rake head with heavy tooth holders. Teeth cannot work loose. Large comfortable seat has strong but easy seat spring.



View of Hub.

These are especially easy dumping hay rakes. The driver simply presses the foot lever which causes the dump rod to drop the dogs into the ratchet and the forward movement of the wheels dumps the hay, the wheels doing all the work. The teeth return to the ground promptly, easily and without jar. Can also be used as a hand dump rake. The 8-foot rake has twenty-one teeth; the 10-foot rake has twenty-six teeth. Rakes have combination wood pole and thills so that either one or two horses can be used. Prices are for the rakes shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B1202	8-Foot Self Dump Rake.	Weight, 430 pounds.	Price.....	\$18.95
No. 32B1203	10-Foot Self Dump Rake.	Weight, 460 pounds.	Price.....	21.00
No. 32B1207	Extra Teeth.	Weight, each, 2 pounds.	Price, each.....	.25

DAVID BRADLEY COMMON SENSE TONGUELESS CULTIVATOR.

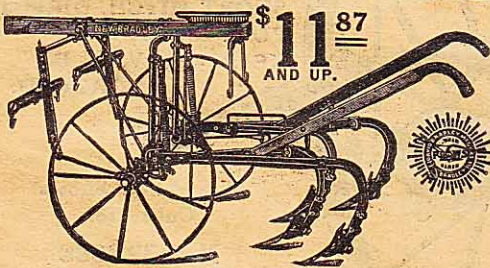
To those who prefer a tongueless cultivator we recommend the Common Sense as the best that money can buy.

This cultivator has double wrought steel arch, and is made in two styles, one with wood beams and one with twisted steel shovels, the standards of which can be adjusted to pitch the shovels to suit your work, the other with steel beams having two straight and two twisted shovels, the same as shown in illustration of New Bradley Walking Cultivator below.

Adjustable drag bars keep the arch in proper position when the gangs are hung up for going to or from the field, but these bars can be fastened up out of the way when not in use. Gangs are in direct line of draft all the time, being hinged to the frame or arch. The draw arms to which the axles and wheels attach are pivoted to the frame, making the wheels also in absolutely correct line of draft, even though one horse should travel ahead of the other. On a hillside, where a cultivator naturally inclines to drift or work downhill somewhat, the draft of the team inclines the wheels to run uphill enough to overcome the downward tendency. Each horse does his share with this cultivator. It is easy to handle and the draft surprisingly light. Transposing shovels from one gang to the other will enable one to throw the dirt away from the plant when desired. Depth of cultivation can be varied by inverting the coupling head, also by changing the pitch of the shovels. Shovels are 5 1/2 inches wide and 11 inches long and have wooden safety break pins. Wheels are steel, 26 inches high with 2-inch tires; straight spokes and open end hubs. Price is for the cultivator complete with shovels, fenders, whiffletrees and handles. Shipped from BRADLEY, ILL.

No. 32B605 Common Sense Cultivator, with steel beams. Wt., 185 lbs. Price, \$10.28
No. 32B606 Common Sense Cultivator, with steel beams. Wt., 195 lbs. Price, 10.73

THE NEW BRADLEY WALKING CULTIVATOR.



\$11.87
AND UP.

Of more simple and less expensive construction than the Highball Cultivator. Designed to meet the demand for a medium weight cultivator to be used with the lighter styles of gangs. It has many splendid features and gives the best of satisfaction.

The arch is continuous and of solid steel, its ends forming the axles. It is fastened and braced to the pole, making a very strong and substantial frame. Tension can be quickly increased or decreased at the top of the lifting springs, while at the bottom the leverage can be graded to

suit the gang in use. Action of these springs is perfect, no jerking as with an over-stretched spiral spring, but an easy continuous lift that makes its use easy for even a boy.

Depth of cultivation can be conveniently regulated by adjustment of the spring by raising or lowering the front ends of the beams on the coupling sleeve and by setting the shovels. Wheels are of steel, 30 inches high. Straight spokes and 1/4-inch flat tires. Price is for the cultivator complete, with shovels, fenders, pole, handles, hang up hooks, whiffletrees and neckyoke. Illustration shows cultivator with No. 8 1/2 four-shovel gangs. For illustration of other styles of gangs see page 17. Shipped direct from the big David Bradley factory at BRADLEY, ILL.

Our Catalog No.	Bradley's No. and Style of Gang	No. of Shovels	Weight	Price
32B610	8 1/2 Pin Break	4	219 pounds	\$11.87
32B611	123 Pin Break	4	241 pounds	12.42
32B612	124 Pin Break	4	246 pounds	13.22
32B613	99 Top Spring Trip	6	260 pounds	14.27

David Bradley "Hummer" Balance Frame Combined Riding and Walking Cultivator

Combines all up to date features to be found in any rigid axle cultivator, and excels all others of its type in strength, convenience and ease of handling. Can be used as either a riding or walking cultivator. Frame is of very few parts, but strong and open, giving the operator a clear view of the corn row. Balance lever adjusts the frame for light or heavy operator, whether riding or walking. Ratchet lever racks for gang levers have closely spaced teeth, giving a very fine depth adjustment to the gangs. Chains with cushion springs connect from lifting levers to gangs and work over rollers attached to front part of cultivator frame. Heavy coil lifting springs connect from frame to front ends of gangs. Tension can be quickly increased or decreased at the top of the lifting springs by tightening or loosening a hand nut, while at the bottom the leverage can be graded to suit heavy or light gangs. The action of these lifting springs is smooth, a perfect lift that makes its use easy for even a small boy. Seat is adjustable in and out and up and down to suit operators of various heights, and when the operator wishes to walk, seat can be folded forward without obstructing view of corn row. Gangs are connected far to the front of the cultivator frame, permitting the use of long gangs and the shovels enter the ground at a more even depth. When shifting the gangs for out of line hills, the long gangs operate more easily and shovels do not track behind each other as they do when shifting short gangs. Front end of gangs can be set in or out on the front arch to get close or far from corn row and are adjustable up and down on the frame couplings. Our improved gang couplings hold the gangs steady and firm to place, as couplings have a conical bearing which can be tightened to take up wear. Hang up hooks are provided for and attached to the lower bend of the axles, making it possible to hang up the gangs when either riding or walking. Handles are furnished; they can be attached forward or back on the gangs and are adjustable in every direction for the convenience of all operators. Swivel foot stirrups are attached to the under side of gangs; they can be turned over and attached to the top side of gangs for the convenience of boys or men with short legs. Wheels are steel with staggered spokes; they are 42 inches high, have 2 1/2-inch tires and are fitted with long, dustproof, oil-tight bearings; adjustable to a distance of 48 to 58 inches between the wheels.

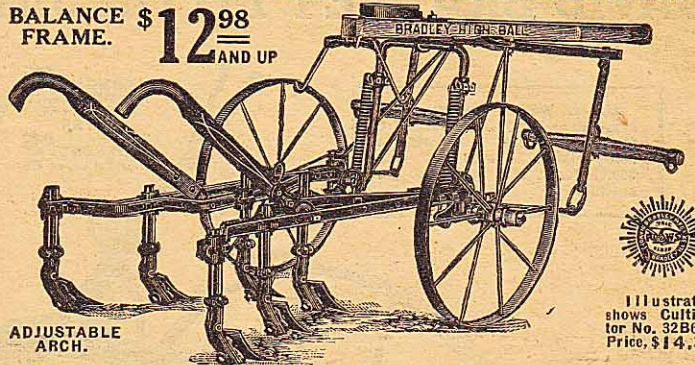
Prices are for cultivator complete, including whiffletrees, pole, neckyoke, handles, shovels and fenders, and shipped from the big David Bradley factory at BRADLEY, ILL.

Our Catalog No.	Bradley's No. and Style of Gang	No. of Shovels	Size of Shovels, Inches	Wt., Lbs.	Price
32B652	123 Pin Break	4	5 x 11	410	\$19.45
32B653	124 Pin Break	6	3 1/2 x 8	418	20.70
32B654	125 Pin Break	8	3 x 8	421	21.70
32B655	99 Top Spring Trip	4	5 x 11	427	21.65
32B656	97 Top Spring Trip	6	3 1/2 x 8	452	22.70
32B657	128 Rear Spring Trip	4	5 x 11	430	22.65
32B658	129 Rear Spring Trip	6	3 1/2 x 8	449	22.50
32B659	69 Flat Blade Surface	4	3 x 20	405	20.50
32B660	69 Concave Blade Surface	4	3 1/2 x 20	406	20.55

See page 17 for illustrations and prices of gangs and shovels, which are the same as those priced for the Little Jap Cultivator.

DAVID BRADLEY HIGHBALL WALKING CULTIVATOR.

BALANCE FRAME. \$12.98 AND UP



ADJUSTABLE ARCH.

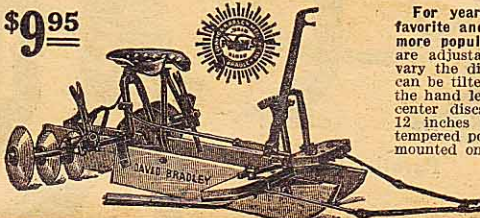
One of the strongest and best walking cultivators made. On account of its large coil lifting springs it works as well with heavy as with light weight gangs and it stands up under the most difficult kind of work. It is strictly a balance frame cultivator. This is accomplished by giving the axle a sufficient rearward bend to set the wheels well to the rear, thus bringing them underneath the central balancing point.

The steel arch is in two sections, the top ends fitting a sleeve casting underneath the pole, permitting adjustment of distance between wheels of from 31 to 48 inches. The arch sections are amply strong and will not become loose or get out of position, and there is no danger of lifting springs raising gang from the ground, the method of attaching avoiding this difficulty. Wheels are of steel, 30 inches high with 2-inch flat tires, staggered spokes and dustproof oiltight hubs. The eveners is a wood bar with pendant steel bars. Price is for the cultivator complete with shovels, fenders, pole, handles, hang up hooks, whiffletrees and neckyoke. For illustration of gangs see page 17. Shipped from factory at BRADLEY, ILL.

Our Catalog No.	Bradley's No. and Style of Gang	No. of Shovels	Weight	Price
32B625	8 1/2 Pin Break	4	245 pounds	\$12.98
32B626	123 Pin Break	4	267 pounds	13.53
32B627	124 Pin Break	4	272 pounds	14.33
32B628	99 Top Spring Trip	4	284 pounds	15.58
32B629	97 Top Spring Trip	6	308 pounds	16.53
32B630	128 Rear Spring Trip	4	287 pounds	15.53
32B631	129 Rear Spring Trip	6	305 pounds	16.53

DAVID BRADLEY IMPROVED CRICKET LISTED CORN CULTIVATOR.

\$9.95



For years this tool has been a great favorite and its new features will make it more popular than ever. The disc gangs are adjustable in or out on the arch to vary the distance from the corn and they can be tilted to the desired angle by using the hand levers. Inner discs are 10 inches; center discs, 11 inches, and outer discs, 12 inches in diameter; made of finely tempered polished steel. They are securely mounted on the axles and have oil soaked wood bearings like a disc harrow. The discs are controlled by a lever by which they can be easily raised to clear trash and

at the end of rows. The shields rise automatically with the discs. The arches are high enough to permit the working of corn of good height. This cultivator is strongly built of the best materials, and light draft. Runners are wood, 3 1/2 feet long and shod with heavy steel plates and steel side knives are attached to runners for cutting the middle. Shipped from the big David Bradley factory at BRADLEY, ILL.

No. 32B600 Cricket Listed Corn Cultivator. Weight, 185 pounds. Price...\$9.95

Illustration Shows Cultivator No. 32B653 Price, \$20.45

DAVID BRADLEY LITTLE JAP RIDING CULTIVATOR \$21²⁵ AND UP

M. M. Walker, Gardner, Ill., says—The Little Jap Cultivator is certainly the finest rig in seven states. Would not take \$50.00 for it if I could not get another.

COMBINED RAISING AND BALANCING LEVER.
INDEPENDENT DEPTH LEVERS



Shipped from BRADLEY, ILL.

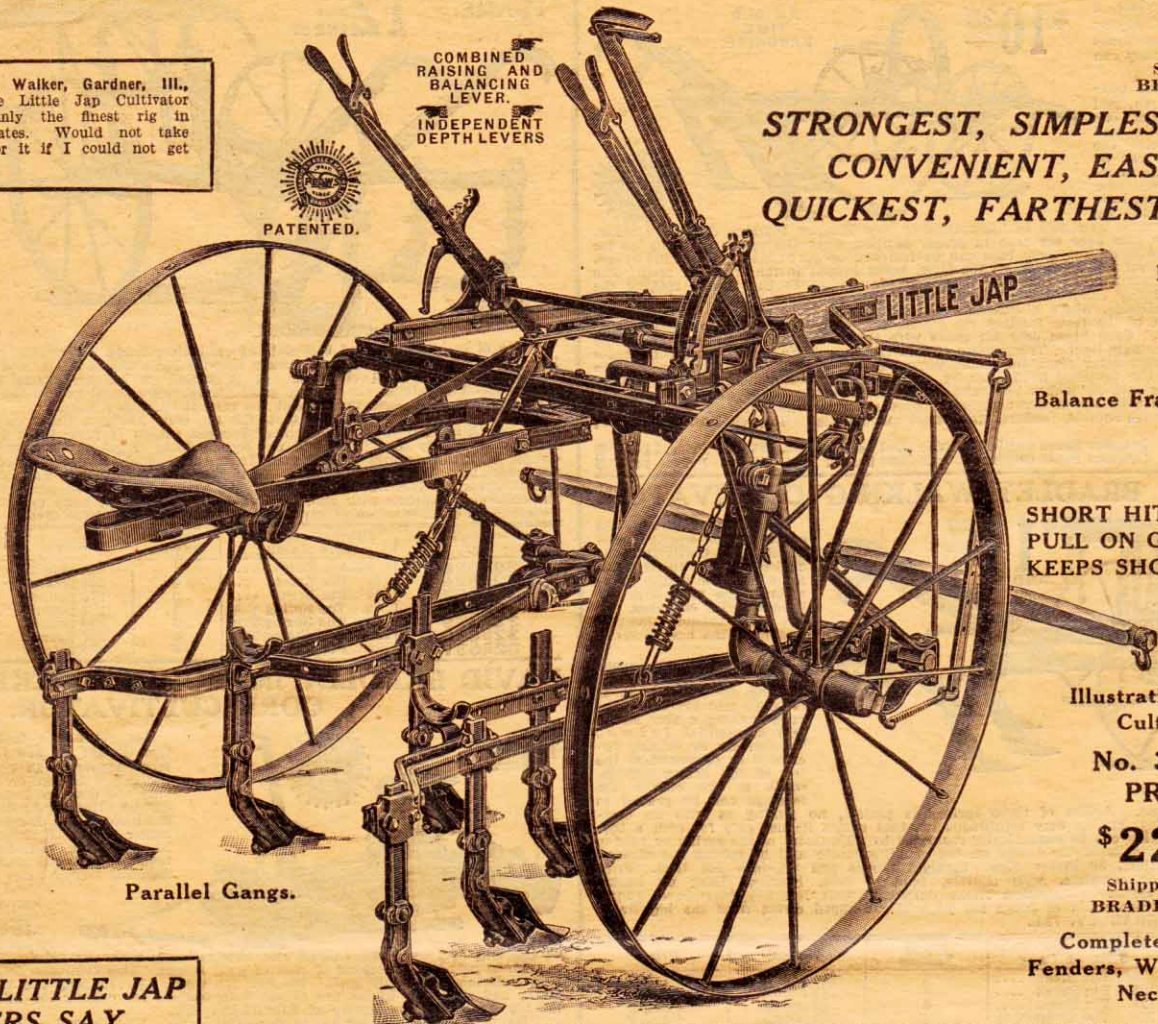
STRONGEST, SIMPLEST, MOST CONVENIENT, EASIEST, QUICKEST, FARTHEST DODGE

Pivot Axles.

WHEELS, 42 INCHES HIGH. 2 1/2 - INCH TIRES.

Oiltight Dustproof Hubs.

Read Our Guarantee on Page 2.



Parallel Gangs.

Balance Frame.

SHORT HITCH, DIRECT PULL ON GANGS, KEEPS SHOVELS IN GROUND.

Illustration Shows Cultivator

No. 32B666 PRICE,

\$22.25

Shipped from BRADLEY, ILL.

Complete, Including Fenders, Whiffletrees and Neckyoke.

WHAT LITTLE JAP USERS SAY

Elmer Bartholomew, Spooner, Wis., says—The Little Jap Cultivator is the best machine that was ever sent into the field. I loaned mine to a neighbor and now he is trying to sell his cultivator of another make for \$10.00 less than it cost him so that he can buy a Little Jap from you. I don't see how you could improve the Little Jap, unless you sent a real "Little Jap" to ride it on the hot days.

Edw. C. Wiesenborn, Grand Chain, Ill., says—The Little Jap Cultivator bought of you last spring is more than satisfactory. On hillside work it is a wonder. Its seat bar dodging lever works to perfection, and it has the easiest, farthest and quickest dodge to be made. It excels them all and should be used by every farmer.

M. H. Stables, Gladys, Va., says—I received the Little Jap Cultivator and put it together much easier and lots quicker than I expected. Have done considerable work with it and like it better all the time.

L. M. Shipley, Vine Grove, Ky., says—The Little Jap Cultivator is all that any man could ask. It plows right and pulls light and will work on any kind of ground that a riding plow can work.

B. G. Flaameo, Baltic, S. Dak., says—I have seen and used a great many cultivators, but your Little Jap beats them all. It is light of draft, easy to operate and works as well on side hills as on level ground. I highly recommend it to anyone wishing a first class tool.

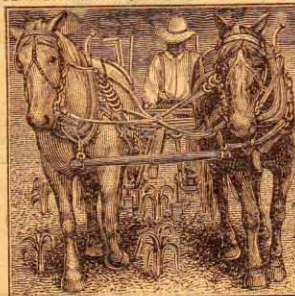
Chas. Parker, Upton, Wyo., says—The Little Jap Cultivator is the best and easiest cultivator to operate I ever saw. A ten-year old boy can run it. Will gladly recommend it to anyone.

No other cultivator so completely meets the requirements of every farmer. There is no condition of cultivating to which the Little Jap is not perfectly adapted. It is the greatest of all weed destroyers and it leaves the ground in the best possible shape, while its instantaneous seat bar dodging motion will save for you nearly every out of line or irregularly planted hill. Its simplicity of construction and convenient features of operation make it the easiest of all cultivators to operate for man, boy or girl. With the Little Jap the drudgery of cultivating is entirely eliminated. It really becomes the easiest and most pleasant work on the farm. An easy, natural sway of the body in the seat accomplishes everything and more than is possible with cultivators which require the most violent exertion of both arms and legs to operate. Your horses also benefit by its use. The balancing lever enables you to keep the cultivator in perfect balance, no matter whether heavy or light weight gangs are used, and regardless of whether a 75-pound boy or a 250-pound man is in the seat. Neck weight is unknown and pole does not fly up under the horses' necks. The horses have nothing whatever to do with the dodge; the position of the pole is never disturbed; the team travels straight ahead, regardless of the course of wheels or gangs.

HOW THE LITTLE JAP OPERATES

In the illustration you will note that the open seat bar is pivoted to a point at the center of the frame and beyond this the seat bar extends forward, connecting to the arch which carries the gangs. Between these points are two steel straps connecting the seat bar to the axle arms which control the wheels. When the seat bar is swung to either the right or left, the wheels and gangs automatically swing in the opposite direction. Gangs always work parallel with corn row while shovels cut their full width and uniform depth. The gangs being attached to the arch at the extreme end of the seat bar are swung in the frame, and the wheels change their course, causing what might be termed a double action dodge, and the entire cultivator carries itself in the direction desired by the driver. When the operator comes to an out of line hill, he merely pushes slightly with his foot against either gang and his weight carries the seat bar over in the opposite direction. The wheels immediately respond to this movement, change their direction, carry the cultivator, gangs and all, as he directs and the dodge is made. All this is done instantaneously, without using hands and without changing position of pole or altering gait or direction of the team. We guarantee the Little Jap to dodge easier, quicker and farther than any other dodging cultivator made. Its motion is so easy and natural that the operator, sitting in a comfortable seat with both hands free to drive, soon accomplishes the dodge almost unconsciously. It becomes a habit with him and he plows around out of line hills with no effort whatever, and for the horses, they don't know there is such a thing as a crooked row, nor a swaying movement against their sides as there is with so called "pole" cultivators. The pivot axle seat bar dodging lever feature of the David Bradley Little Jap Cultivator is fully covered by U. S. Patent No. 836779, which is owned exclusively by us. This valuable improvement can be obtained in no other make of cultivator, although other manufacturers have frequently attempted to imitate it. Our patents are so clear as to make successful imitation impossible.

THE LITTLE JAP IS THE ONLY SUCCESSFUL HILLSIDE CULTIVATOR MADE. On hillside work the tendency of any cultivator on the row. Not so with the Little Jap. The horses always work straight ahead, but the slanting position on a hillside gravitates the operator's weight on the seat bar lever to the lower side and the wheels are constantly inclined to run up hill slightly, holding the cultivator steadily to its work and preventing drifting.

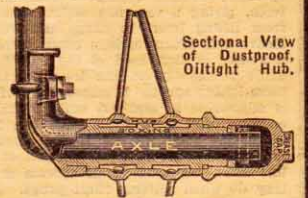


No Neck Weight. Pole Always Level.

COMBINED BALANCING AND GANG RAISING LEVER. The short levers are for each gang, and when once set you need not touch them again until you have occasion to change the depth at which you wish to plow or unless you should wish one gang to work lower than the other. When you come to the end of the row you don't disturb the depth adjustment of the gangs. Simply pull down on the long lever and up come both gangs at once and high enough to not interfere with the corn when making the turn. Turn around into the next row, throw up the long lever and back go both gangs to the same depths as the last row cultivated. When the long lever, which is also the balancing lever, is down and the gangs raised, the wheels are automatically thrown back of the center of the cultivator. This keeps the cultivator in perfect balance with the pole level, the same as when the gangs are down, and the arch becomes automatically locked so that wheels do not swing when turning or when riding to the field. All levers are within easy reach from the seat and do not interfere with the reins nor obstruct the view ahead. The hitch is the shortest in use on any cultivator and is always in direct line of draft. The draft of the team helps lift the gangs and the draft springs hold them in the ground, but the gangs are guided independently of the horses.

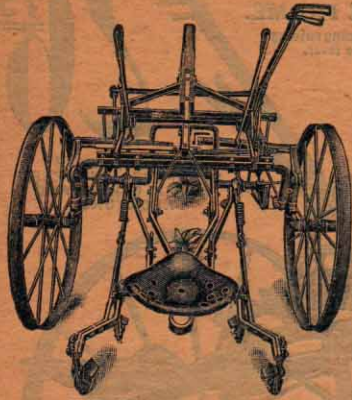


Levers Easily Reached by Even a Small Boy.



Sectional View of Dustproof, Oiltight Hub.

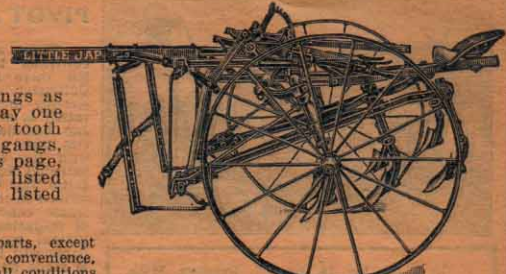
DAVID BRADLEY LITTLE JAP CULTIVATOR—Continue.



TOP VIEW OF LITTLE JAP, SHOWING CLEAR VIEW OF ROW.

GREAT VARIETY OF GANGS. On this page we show the many styles of shovel, surface blade and spring tooth gangs we provide for the Little Jap Cultivator, and on the following page we show the disc gangs which we can also furnish. All Little Jap gangs are perfectly interchangeable. Select the style of complete cultivator you prefer, then order as many extra sets of other style gangs as you have need for and change gangs as required. In this way one Little Jap can be used for shovel, disc, surface or spring tooth cultivation. See following page for prices of extra disc gangs, which can be used on the complete cultivators shown on this page, or any of the extra shovel, surface and spring tooth gangs listed on this page can be used on the complete disc cultivators listed on the following page.

The Best of Materials are used in the Little Jap Cultivator. All parts, except tongue and hitches, are steel and malleable iron. Every part designed for convenience, strength and service, and guaranteed to do absolutely satisfactory work in all conditions of soil and in all classes of cultivating. Wheels are made entirely of steel, 42 inches high, with 2½-inch tires and heavy staggered spokes. Hubs have long bearings fitted with dustproof caps and are oiltight. Distance between wheels is adjustable from 44 to 52 inches. Tires regularly furnished are concave, as shown in illustration, but when so ordered we will furnish flat tires with half oval back. Shovels are finely tempered, soft center steel, carefully ground and polished. The Little Jap is finished in the standard David Bradley colors, bright red, yellow and black. Complete directions for putting together and operating accompany each cultivator. Prices are for the cultivator complete with pole, neckyoke, whiffletrees, gangs, shovels and fenders. Prices are for the cultivators shipped from the big David Bradley factory at BRADLEY, ILL.

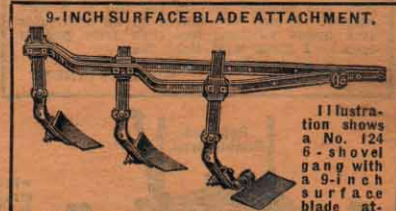


SIDE VIEW OF LITTLE JAP WITH GANGS RAISED AND FRAME BALANCED.

Prices of David Bradley Little Jap Cultivators and Extra Shovel Gangs.

Our Catalog No.	Bradley's Number and Style Gang	Number of Shovels	Size of Shovels, Inches	Weight, Pounds	Prices of Cultivator Complete	Prices of Extra Sets of Gangs Only, With Shovels	Prices of Shovels Only, per Set
32B665	123 Pin Break.....	4	5 x11	455	\$21.25	\$5.95	\$1.92
32B666	124 Pin Break.....	6	3½ x 8	462	22.25	6.95	2.10
32B667	125 Pin Break.....	8	3 x 8	460	22.50	7.20	2.56
32B670	99 Top Spring Trip.....	4	5 x11	473	23.50	8.20	1.92
32B671	97 Top Spring Trip.....	6	3½ x 8	497	24.50	9.20	2.10
32B672	128 Rear Spring Trip.....	4	5 x11	475	23.45	8.15	1.92
32B673	129 Rear Spring Trip.....	6	3½ x 8	491	24.45	9.15	2.10

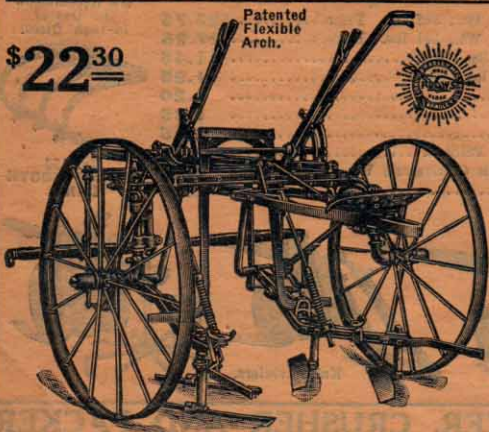
If you order extra gangs for other Bradley cultivators tell us name of your cultivator.
 No. 32B678 2x9-Inch Bull Tongue Shovels for 6-Shovel Gangs. Price, per pair.....44c
 No. 32B679 2½x10½-Inch Bull Tongue Shovels for 4-Shovel Gangs. Price, per pair.....58c



9-INCH SURFACE BLADE ATTACHMENT.
 Illustration shows a No. 124 6-shovel gang with a 9-inch surface blade attached to front shank. This attachment can be used on any of our 4 or 6-shovel gangs in place of shovels. When used as illustrated it gives splendid results, as it insures shallow cultivation close to the plant, and deep cultivation toward the center of the rows. Price is for one pair of blades only, with fixtures for attaching to the shanks.
 No. 32B677 Pair of 9x3½-Inch Surface Blades. Weight, 10 pounds. Price...\$1.02



These gangs can be used on any of the Little Jap—Surface—Spring Tooth and Disc Cultivators, shown hereafter.



DAVID BRADLEY LITTLE JAP SURFACE CULTIVATOR

Meets all the requirements of this method of cultivation better than any other cultivator on the market. This is due to the pivot axle seat bar dodging feature, the operation of which we explain on preceding page in connection with the description of the Little Jap Shovel Cultivator. With it the most careful manipulation of the gangs is possible, enabling you to work closer to the plant than with other cultivators. Most farmers prefer the deep stirring shovel gangs shown above for the first time over, because in the spring the soil is cold and soggy and must be well stirred, aired out and warmed up before anything will grow. After the first time over, agricultural experts recommend the use of the surface gangs, as at this time the warm weather has brought out many surface feeding roots and it is not advisable to cultivate deep after the corn has become of some size. This type of cultivator is also the best for the eradication of morning glories and weeds, as the wide spread blades which are adjustable to any pitch and angle, cut below the surface. "Glories" simply cannot grow where the Little Jap Surface Cultivator is diligently used.

During the dry summer months continue to use the surface gangs, they cut below the surface, scrape up a fine dust which preserves moisture and it is held there to be taken up by the corn roots. For this class of work there is no cultivator made which will handle easier, and permit you to do as much work and as good work. Blades are specially tempered steel, 20 inches long and 3 inches wide, and the gangs are made so that the blades cannot swing into the wheels. The flexible arch holds the gangs from spreading apart and insures thorough cultivation in rough or smooth ground. It permits either gang to work a high or low spot without affecting the work of the other.

Any of the shovel, disc or spring tooth gangs listed with the Little Jap Cultivators shown on this and the following page can be used on this cultivator, because, aside from the gangs, all Little Jap Cultivators are of the same construction and the gangs are all interchangeable.
 Prices are for the cultivator complete with pole, whiffletrees, neckyoke, gangs, presser rods and fenders. Flat blade levelers and rake levelers listed on the following page with Little Jap Disc Cultivators can be used with these cultivators. Prices are for the cultivators shipped from the big David Bradley factory at BRADLEY, ILL.
 No. 32B680 Little Jap Surface Cultivator with flat blades. Weight 488 pounds. Price.....\$22.30
 No. 32B681 Little Jap Surface Cultivator with concave blades. Weight, 490 pounds. Price.....22.35
 No. 32B682 Extra pair of Surface Gangs with flat blades. Weight, 118 pounds. Price.....7.00
 No. 32B683 Extra pair of Surface Gangs with concave blades. Weight, 120 pounds. Price.....7.05
 No. 32B684A Set of four 3x20-inch flat gopher or surface blades. Price.....2.45
 No. 32B684B Set of four 3½x20-inch concave gopher or surface blades. Price.....2.50
 These blades can be used only on our Surface Gangs.

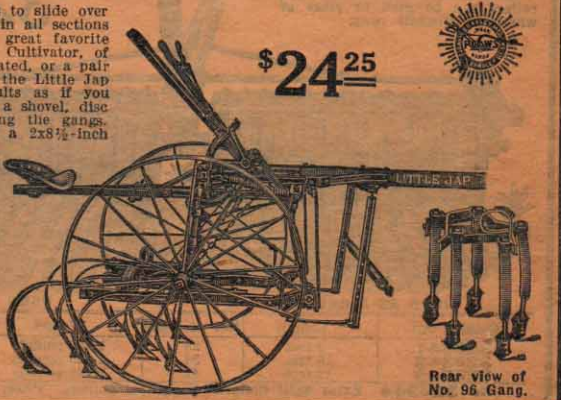
DAVID BRADLEY LITTLE JAP SPRING TOOTH CULTIVATOR

This cultivator is ideal for use in stumpy ground, as the spring teeth afford sufficient elasticity for the shovels to slide over low stumps or roots without damage. However, its use is not confined to such conditions, as it is extensively used in all sections for shallow cultivation in mellow, sandy or gravelly soil. It also gives splendid results in summer fallow and is a great favorite among cotton growers. Aside from the gangs this cultivator is of the same construction as the Little Jap Shovel Cultivator, of which you will find complete description on the preceding page. This cultivator may be purchased complete as illustrated, or a pair of No. 96 spring tooth gangs only may be purchased and attached to any of the Little Jap Cultivators described on this and following page, producing the same results as if you bought a complete spring tooth cultivator. It is also possible to make either a shovel, disc or surface cultivator out of the spring tooth cultivator, by simply changing the gangs. Each spring tooth gang has five spring steel teeth, to which are attached a 2x8½-inch double pointed steel shovel. By purchasing the center attachment and placing it between the gangs, this cultivator can be converted into a riding 13-tooth spring tooth harrow, which cannot be excelled for preparing ground for seed. The pivot axle seat bar dodging lever and parallel gang features of the Little Jap are of great advantage in this cultivator. Not only is the cultivator easily handled, but thorough cultivation of the entire field is assured, as the shovels will not trail when the cultivator is shifted for a doze, as is the case with other spring tooth cultivators. Price is for the cultivator complete with pole, whiffletrees, neckyoke, gangs, shovels and fenders. Prices are for shipment from the big David Bradley factory at BRADLEY, ILL.



Converted into a riding spring tooth harrow by using center attachment.

No. 32B685 Little Jap Cultivator with spring tooth gangs. Weight, 491 pounds. Price.....\$24.25
 No. 32B686 Extra pair of No. 96 Spring Tooth Gangs. Weight, 121 pounds. Price.....\$8.95
 No. 32B687 Extra Shovels, 2x8½-inch, double pointed, set of ten. Price.....2.40
 No. 32B688 Center Attachment, with three spring teeth, fastens between gangs and makes cultivator a riding spring tooth harrow. Weight, 35 pounds. Price.....2.65



Rear view of No. 96 Gang.

DAVID BRADLEY LITTLE JAP DISC CULTIVATOR \$26⁷⁵



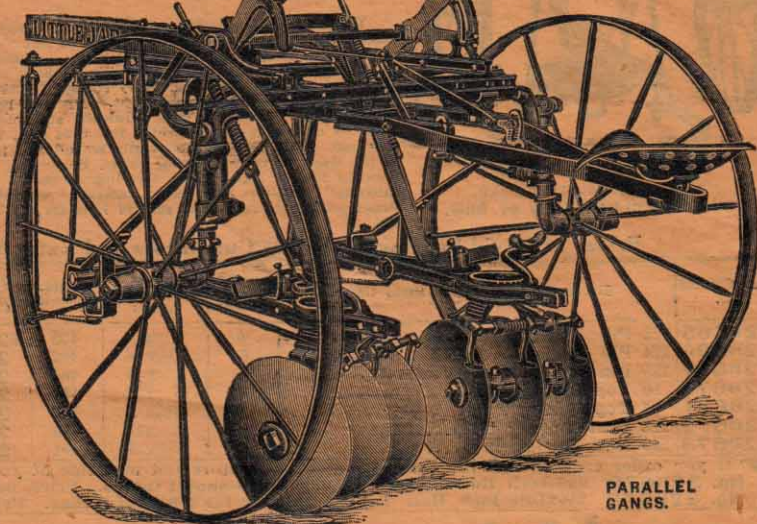
PIVOT AXLES. SEAT BAR DODGING LEVER. BALANCE FRAME.

There are many things to be said in favor of a disc cultivator being a part of the equipment of every farmer, but there is more to be said about the Little Jap Disc Cultivator in its comparison with other makes, and the steadily increasing demand for it is evidence that disc cultivation is not only becoming more popular, but that the Little Jap has desirable features not found in other cultivators of this type. The David Bradley Little Jap Disc Cultivator is, with the exception of the gangs and the addition of the patented flexible arch, of the exact same construction as the Little Jap Shovel Cultivators described on the preceding pages. Its frame construction and features of operation are identical and a careful reading of the previous pages will tell you exactly how it is made and how its operation is controlled by our patented pivoted axle seat bar dodging lever device, which is responsible for the ease with which the Little Jap Disc Cultivator is handled and the accuracy with which the gangs can be worked.



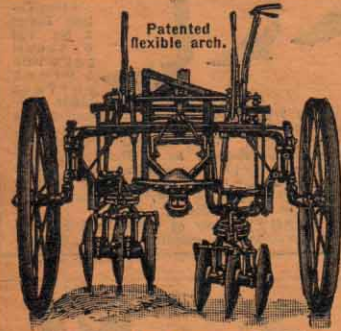
Combined gang raising and balance lever.

COMPLETE WITH SCRAPERS, FENDERS, WHIFFLETREES AND NECKYOKE.



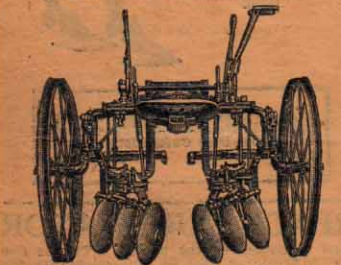
PARALLEL GANGS.

R. F. D. No. 18, Box 37, Reading, Mich. Sears, Roebuck and Co., Chicago, Ill. Gentlemen:—Last year I bought a Little Jap Disc Cultivator from you and must say I don't know how I would get along without it. I used it for cultivating potatoes and corn last summer and in the fall as a disc harrow. I used two horses on my cultivator (the horses weighing less than 1,100 pounds each.) I guess it is light draft. Yours truly, RILEY KINNEY.

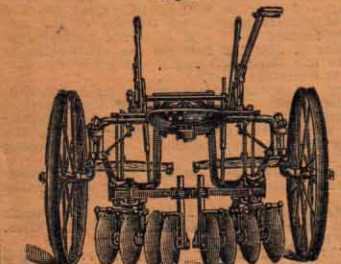


Patented flexible arch.

How it works on uneven ground.



How discs can be reversed or tilted to any angle.



Converted into a Disc Harrow by using the Barring Off Attachment.

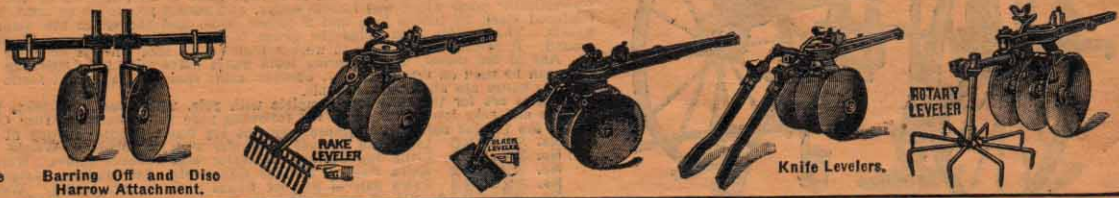
PARALLEL GANGS. Discs when in the ground will not easily slide sidewise and to enable the quick and easy movement necessary to dodge out of line hills, they must be kept in line with the direction of travel. In this very feature lies the superiority of the Little Jap as a successful disc cultivator, because the gangs of the Little Jap, whether shifted for a dodge or going straight ahead, are always parallel and in line with the direction of travel. Shifting the gangs of ordinary disc cultivators for a dodge throws one gang ahead of the other and both gangs are approaching the out of line hill at an angle, consequently there is less straight away space between the two inner discs for the corn to pass through, and often a hill is destroyed that the Little Jap Disc Cultivator would save. Other manufacturers realize the necessity of parallel gangs, but, finding they cannot infringe on our patents, are experimenting with pivot poles and pivot frames, that really make the gangs rigid and do not produce the desired effect, which is so easily accomplished with the Little Jap. The gangs of the Little Jap are always parallel, all discs throw the soil alike, cutting full width between rows, and operating as easily as a shovel cultivator. The parallel movement of the Little Jap also prevents discs from swinging into the wheels, a common fault with some makes of cultivators. The latch which locks the discs of the Little Jap is a combination foot rest and disc lock. The discs may be angled or reversed to throw the dirt to or from the row by merely raising the foot rest. They may then be set at any angle desired, and by dropping the foot rest are again locked the discs. To tilt the gangs it is only necessary to loosen the large nut at the top of the disc arch, tilt the discs to the desired pitch, then tighten the nut. The illustrations show the numerous positions in which it is possible to set and work the gangs. The disc bearings have oil soaked maple boxings, without affecting the work of the other. We furnish, at extra prices quoted, blade, rake, knife and rotary levelers to attach to the rear of the gangs. These level the soil after it is dived. We also furnish a barring off attachment for use in young corn and which also converts the cultivator into a perfect working disc harrow. Another desirable attachment is the No. 150 spring tooth gang, which can be used in place of the disc gangs, constituting a perfect spring tooth cultivator. Any of the shovel, spring tooth or surface gangs listed with Little Jap Cultivators on the preceding page, can be used on this cultivator by simply removing the disc gangs and bolting the others in place. Order a pair or more of extra gangs with the cultivator and you will have both a shovel and disc cultivator in one. Prices are for the cultivators complete with pole, neckyoke, whiffletrees, gangs, scrapers and fenders. Made with either 14 or 16-inch discs, but 14-inch discs are most generally preferred. Prices are for shipment from the big David Bradley factory at BRADLEY, ILL.

- No. 32B690 Little Jap Cultivator with No. 148 six 14-inch disc gangs. Wt., 567 lbs. Price.....\$26.75
- No. 32B691 Little Jap Cultivator with No. 148 six 16-inch disc gangs. Wt., 581 lbs. Price..... 27.25
- No. 32B692 Extra pair of No. 148 six 14-inch Disc Gangs. Wt., 198 lbs. Price..... 11.45
- No. 32B693 Extra pair of No. 148 six 16-inch Disc Gangs. Wt., 212 lbs. Price..... 11.95
- No. 32B694 Pair of Flat Blade Levelers. Wt., 15 lbs. Price..... 1.20
- No. 32B698 Pair of Rake Levelers. Wt., 17 lbs. Price..... 1.35
- No. 32B695 Pair of Rotary Levelers. Wt., 46 lbs. Price..... 2.15
- No. 32B696 Barring Off and Disc Harrow Attachment. Wt., 55 lbs. Price..... 2.45
- No. 32B697 Pair of No. 150 Spring Tooth Gangs. (For use only on this Cultivator.) Wt., 57 lbs. Price 4.20
- No. 32B699 Set of 4 Knife Levelers. Wt., 30 lbs. Price..... 2.65

We Recommend the Use of 14-inch Discs.



No. 150 SPRING TOOTH GANG.



Barring Off and Disc Harrow Attachment.

Knife Levelers.

ROTARY LEVELER

DAVID BRADLEY COMBINED LAND ROLLER, PULVERIZER, CRUSHER AND PACKER

Illustration also shows how split collars can be used in place of wheels to straddle rows.

\$32⁵⁰ AND UP



USED AS A CRUSHER.

USED AS A ROLLER.

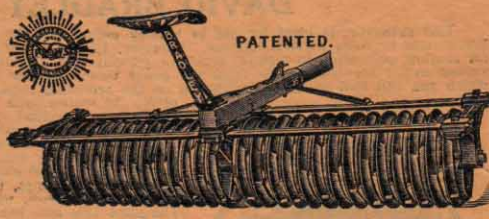
Catalog No.	Length	No. of Discs	Weight	Price
32B341	8 feet	25	1,130 pounds	\$32.50
32B342	10 feet	34	1,385 pounds	39.00
32B343	12 feet	42	1,680 pounds	46.80

No. 32B344 Extra Split Collars. Weight, 4 pounds. Price, each.....25c

For thorough preparation of seed bed and pulverizing and packing the soil about the roots of growing plants this machine is without an equal. The heavy cast iron discs turn independently on a 1 1/2-inch steel shaft, which runs in hardwood boxes. Discs are 18 inches in diameter, 3 inches wide and have crushing lugs, as shown in illustration. These catch and pulverize the clods instead of pushing them along. Run the



PATENTED.



smooth face of the lugs forward and you have an ideal smoothing roller. Transfer the pole to the other side and run in opposite direction and the machine acts as a pulverizer and sub-surface packer. Works the clods down and leaves small loose ridges on the surface so rain can soak away, instead of leaving a crust to be harrowed, as do smooth rollers. For rolling young corn, wheat, clover and meadow in the spring, preparing seed bed for wheat in the fall, and for use in irrigated land and alfalfa culture, it is indispensable and will often pay for itself in a single season on a 50-acre crop, because ground will hold moisture better and cause grain to germinate and mature earlier. Frame is heavy bar steel to which are attached end and center hangers through which shaft runs. By removing one or two of the discs and using the two split collars furnished, operator can straddle rows as desired. If more than two split collars are wanted, we can furnish them at the extra price quoted. Price does not include eveners and neckyoke. Prices are for shipment from BRADLEY, ILL.

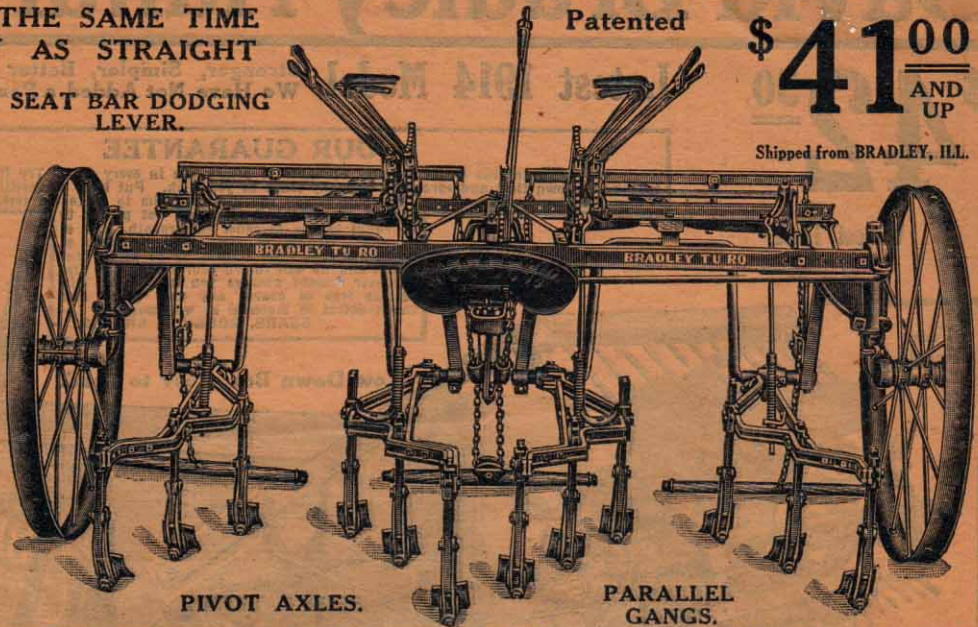
DAVID BRADLEY TU-RO RIDING CULTIVATOR

CULTIVATES TWO ROWS AT THE SAME TIME
CROOKED ROWS AS EASILY AS STRAIGHT

Patented

\$41⁰⁰
AND UP

SEAT BAR DODGING LEVER.



Shipped from BRADLEY, ILL.

PIVOT AXLES.

PARALLEL GANGS.

One man or boy, three horses and a David Bradley Tu-Ro Cultivator will do as much work in the same length of time as two men, four horses and two single row cultivators. You save the wages of one man, the work of one horse and the wear and tear on one machine. Figuring on the basis of \$1.00 a day for a man and 50 cents a day for a horse, the owner of a David Bradley Tu-Ro easily saves \$1.50 every day of the cultivating season, to say nothing of the advantage of being able to go over his crop in half the time which would be required with a single row cultivator.

You will never appreciate a two-row cultivator until you own a David Bradley. The reason why some people may think they cannot handle a two-row cultivator is because they have never used this one. Anyone who can handle a single row cultivator can successfully operate the Bradley Tu-Ro. The first two corn rows in your field were planted at the same time and if one row weaves they both weave, therefore when you cultivate with the Bradley Tu-Ro Cultivator you start out on two rows planted at the same time and by watching one row the same as you would when using a single row cultivator, the other will naturally take care of itself.

The Tu-Ro is built on the same principle as the Little Jap Cultivator, its operation being controlled by the patented pivot axle seat bar dodging lever device, which is fully described on page 16. A slight push with the foot against either of the inner gangs causes the seat bar to swing to the right or left, changing the course of the wheels in their relation to the machine, and swings the arches to which the gangs are attached, carrying the shovels around the out of line hills. The gangs are always parallel, with shovels cutting full width and uniform depth. This handling is ideal on the Tu-Ro, because naturally more power is required to swing two sets of gangs than one, but with the Bradley, so simple is this operation and so powerful is the leverage of the seat bar that it is the only two-row cultivator that can be successfully operated by a boy.

This is the only two-row cultivator that can be successfully used for hillside work. The operator's weight naturally gravitates to the lower side, causing the seat bar to swing and hold the wheels at an angle to run slightly uphill, automatically keeping the cultivator in the row and preventing the machine from drifting, although the team is always working straight ahead.

The lever arrangement is superior to that of any other two-row cultivator. The outer levers raise and lower the outer gangs independent of the inner gangs, while the two inner levers serve to both independently raise or lower the inner gangs and to raise or lower the right or left sets of gangs at the same time, greatly facilitating the handling of the cultivator at the ends of rows. The levers are conveniently located, simplifying their manipulation and placing the cultivator under the positive control of the operator from the seat. Seat bar is long and seat is adjustable up and down or in and out to suit large or small operator.

EXPANDING LEVER.

The center expanding lever is a convenience found only on our Tu-Ro cultivators. It permits you to instantly set the gangs for any width rows from 3 to 4 feet, without the use of a wrench. You need not leave the seat or even stop the cultivator and there is no loss of time making adjustments. With this device it is also possible to cultivate listed corn or to cross cultivate.

All parts of the Tu-Ro are made of either steel or tough unbreakable malleable iron. The wheels have oiltight dustproof hubs with grease caps. They are all steel, 42 inches

high and have staggered spokes, headed and welded into heavy 3-inch concave tires, the best cultivator wheels made. We guarantee every part to be of the best material and workmanship, and will replace any defective part at any time, free of all cost to the purchaser.

HITCHES.

Unless otherwise ordered, we furnish the Tu-Ro with three-horse hitch, as shown in illustration. In light soils three horses handle the machine with ease, but in difficult soils and on large farms four or five horses are generally used. The five-horse hitch is accomplished by adding a long drawbar with singletrees on each end. This fastens underneath the double tongue and brings another horse on each side of the three-horse hitch. The four-horse hitch is the same as the five-horse hitch, excepting that the center singletree of the three-horse hitch is not used.

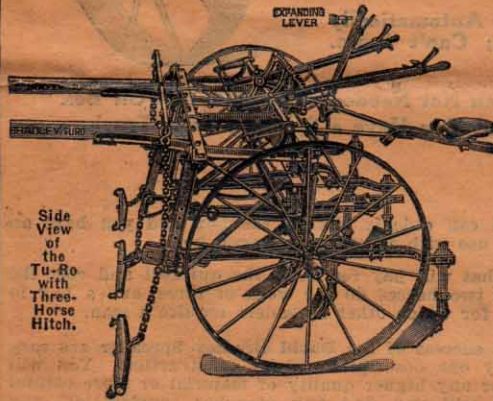
Our new Bradley four-horse balance hitch has met with great favor. It is a Bradley invention and cannot be obtained elsewhere. It consists of a 19½-foot even with two-horse whiffletrees at each end, a steel castor wheel and standard with irons to attach it between the poles and a 7½-foot neckyoke. The horses pull by straight line of draft and with no neck weight. The forward weight of the cultivator is borne by the castor wheel, which also makes the machine work steadily, and gangs are not affected by up and down motion over rough ground. This hitch furnished only for four horses.

For illustrations of gangs and attachments see pages 17 and 18. All gangs are interchangeable, same as on the Little Jap. You may order one complete Tu-Ro cultivator and one or more extra set of gangs of either style, thereby using one cultivator for two or more different classes of work.

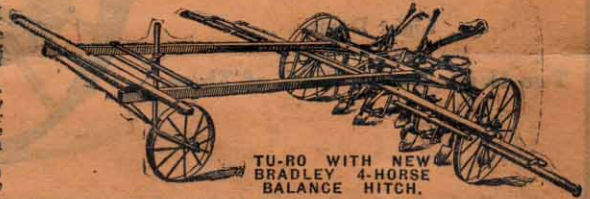
We guarantee the David Bradley Tu-Ro Cultivator to give you perfect satisfaction in every respect, after a fair trial in your own field, or you may return it to us at our expense and we will cheerfully return your money, together with the freight charges you paid.

Prices are for the cultivator complete with gangs, shovels, pressure rods, fenders, double tongue, three-horse hitch and neckyoke.

Prices are for the cultivators shipped from the big David Bradley factory at BRADLEY, ILL.



Side View of the Tu-Ro with Three-Horse Hitch.



TU-RO WITH NEW BRADLEY 4-HORSE BALANCE HITCH.

Our Catalog No.	Bradley's No. and Style of Gang	No. of Shovels	Size of Shovels, Inches	Wt., Lbs.	Price of Tu-Ro Cultivators, Complete	Price of Set of Four Gangs Only, With Shovels	Price of Shovels Only, per Set
32B702	No. 123, Pin Break.....	8	5 x11	815	\$41.00	\$12.30	\$3.84
32B703	No. 124, Pin Break.....	12	3½x8	825	42.60	13.90	4.20
32B704	No. 128, Rear Spring Trip.....	8	5 x11	850	47.00	18.30	4.40
32B705	No. 129, Rear Spring Trip.....	12	3½x8	891	42.70	14.00	4.90
32B706	No. 69, Flat Blade Surface or Gopher.....	8	3 x20	847	42.80	14.10	5.00
32B707	No. 68, Concave Blade Surface or Gopher.....	8	3½x20	847	46.60	17.90	4.80
32B708	No. 96, Spring Tooth.....	20	2 x8½	891	51.60	22.90
32B709	No. 148, Twelve 14-Inch Discs.....	1,025					

No. 32B715 Extra for Combination three and four-horse hitch in place of regular three-horse hitch. Additional weight, 68 pounds. Price.....\$2.86
 No. 32B716 Extra for Combination three, four and five-horse hitch in place of regular three-horse hitch. Additional weight, 83 pounds. Price.....3.63
 No. 32B717 Extra for New Bradley four-horse balance hitch in place of regular three-horse hitch. Additional weight, 78 pounds. Price.....3.15
 No. 32B718 Front Truck and irons for attaching. Same as used on our balance hitch. Fits any double tongue cultivator. Weight, 72 pounds. Price.....3.65

Tunnelton, Ind.
Sears, Roebuck and Co., Chicago, Ill.

Gentlemen:—The David Bradley Tu-Ro is a dandy. It is the only two-row I ever saw that will plow checked corn the crooked way. I plowed alongside of two one-row cultivators in the same field and did as much plowing as both of them, and just as easy on me and team. Three horses are all that are needed. Yours truly,
CHAS. E. ALLEN.

R. F. D. No. 4, Box 41, Marion, Iowa.
Sears, Roebuck and Co., Chicago, Ill.

Gentlemen:—Am well pleased with my Tu-Ro Cultivator. I plowed eight acres the first half day, the first time over the corn. It does not cover up any more than a single row. I can always see both rows.
Truly yours,
LEWIS WEIS.

Sears, Roebuck and Co., Chicago, Ill. Tuscola, Ill.

Gentlemen:—I don't use anything but Bradley Tu-Ros, in fact, would not have a one-row cultivator on my farm. A man or fourteen-year old boy can do better work with the Tu-Ro than they can with a one-row, and do as much again. Some say you cannot raise as much corn with a two-row, but our one-row neighbors don't raise any more corn per acre than I do. In 1909 I raised 21,000 bushels off 360 acres and in 1910 I got 18,000 off 260 acres.
Respectfully,
A. L. MARIS.

FOUR TU-ROS ON MR. MARIS' FARM



Sears, Roebuck and Co., Chicago, Ill. Tuscola, Ill.

Gentlemen:—I consider the Bradley Tu-Ro Cultivator better than any that has ever been used in this locality. We have some that we bought from our local dealer, and some that we purchased from you. We find the ones purchased from you are not only of the same high quality, but you have made many improvements over the ones sold by our dealers, which were sold at from 25 to 30 per cent higher than you charge. They are very easy to operate and their work has never been equaled by any cultivator, either single or two-row, with the exception of the Little Jap.

We use four horses and plow 12 to 15 acres a day the first time over and from 18 to 20 acres a day after that. The new Bradley four-horse hitch is a perfect success. It removes neck weight and causes the cultivator to run perfectly level all the time. After buying it I would never use three horses on a two-row cultivator again.

Yours truly,
CLARENCE MARIS.

SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS.

David Bradley Manure Spreader

\$ **42**⁵⁰

Latest 1914 Model Stronger, Simpler, Better Than Ever, Yet We Have Not Added a Penny to Our Price.

\$ **69**⁵⁰

OUR GUARANTEE
 We guarantee the David Bradley Spreader to please you in every way. Try it out in your own field, taking your own time and spreading as many loads as you wish. Put it in competition with other spreaders—your neighbor's or any agent's spreader if you can persuade him to make the test. Then if in your own opinion the David Bradley has not proved to be equal to any spreader in strength, ease of handling, quality of work, and lightness of draft, you may send it back to us at our expense, and we will return your money and also whatever freight charges you paid. We will replace free of charge any part which ever shows defect in material or workmanship.
SEARS, ROEBUCK AND CO.

Without Truck

Complete With Truck

Four Feeds.

Low Down Box, Easy to Load.

Box Edges Iron Bound.

Endless All Steel Apron and Eccentric Feed.

Light Draft.

Two Horses Do the Work of Three.

Double Chain Drive.

Chains Automatically Locked; Can't Jump.

When Not Needed to Spread, Lift Off Box and You Have a Splendid Farm Truck.

The David Bradley Spreader is one of the greatest achievements of eighty-one years of successful implement building at the David Bradley Factory. No other production has reflected greater credit upon the Bradley organization, or has resulted in greater benefits to the farmer. Nowhere else can the farmer secure for so little money an implement that will pay him greater returns in labor saved, and more and better crops.

The manure pile in your barnyard contains a crop of gold dollars, which can easily be harvested if the fertility it contains is properly utilized. The quickest, easiest way to get all this profit is to use the David Bradley Spreader. Besides saving all the manure, it will save you time, labor and horseflesh, which all mean money. You get a four-fold benefit because in one operation you cut down expenses, increase your profits, prevent waste, and maintain the fertility of your land.

Don't try to spread by hand. It is slow, disagreeable work, wasteful of time and energy, and you will get at least one-fourth greater benefit from the fertilizer when it is spread evenly all over the field by a David Bradley Spreader.

For high quality, stanch construction and all around satisfactory working qualities, no manure spreader of any make or price can excel the David Bradley, yet it is sold at a price so low that every farmer can afford to own one, and no farmer can afford to be without one.

The David Bradley Spreader will do all the work that can possibly be done by any of the cumbersome three or four-horse spreaders selling up to \$125.00 or more. It is the most economical spreader for you to buy. You can get more use out of it than from the more costly machines, because it is so light of draft that you can hitch to it any time, winter or summer, and spread with it on hard or soft ground, corn or stubble land, up hill or down. You can spread with it under conditions where you would find it impossible to move the heavier machines which ordinarily require three or four horses. When not used for

spreading manure, you can quickly lift off the box and you have an excellent farm truck to use with an ordinary wagon box.

It is the spreader that will pay for itself the quickest and cost the least to keep. With it two horses do the work of three, and a boy in the seat does the work for which other spreaders require a man.

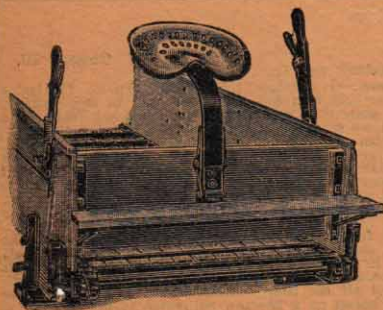
The reasons for the success of the David Bradley Spreader are easy to find. Read carefully our description of its construction. You will not find in any spreader any higher quality of material or more careful workmanship. Neither will you find any stancher construction, any simpler, smoother running, or more efficient mechanism.

In the David Bradley Spreader we give a larger measure of value in actual labor and material, than you will find in other spreaders which sell for from \$40.00 to \$60.00 more money.

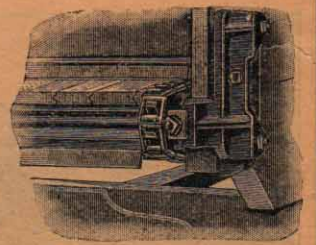
We guarantee the David Bradley Spreader to satisfy you. We take all the risk. Without any conditions or restrictions, the spreader must suit you, else you need not keep it. We could not afford to place our unlimited guarantee upon it, did we not know that it was in every way worthy of your confidence.

SIMPLICITY. Freedom from complications is one of the striking features of the David Bradley Spreader. Simplicity, combined with great strength and efficient working qualities, describes its construction. The parts are few, and each part extra strong. All parts subject to strain and liable to breakage are made of either malleable iron or steel. Danger of breakage is practically eliminated, protecting the user against delays and expense for repairs.

EASY TO PUT TOGETHER. Every David Bradley Spreader is set up complete when built, to make sure that all parts fit perfectly. It is then carefully inspected before we prepare it for shipment. Our method of crating the box, beater, mechanism, etc., gives you the benefit of the lowest freight rate, protects the shipments from danger and makes it easy for any one following the printed instructions we furnish to set up and operate the spreader.



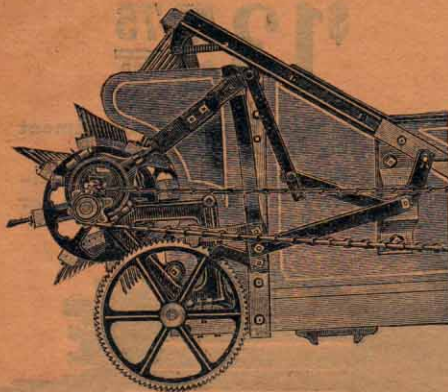
Front End Board, Seat and Spring.



Front Corner of Box Showing Apron Adjustment.

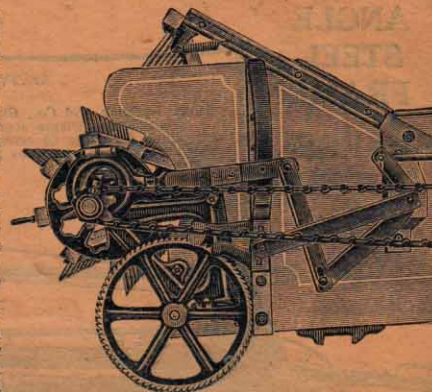
Description of the David Bradley Spreader

The Spreader With the Perfect Feed. Easy to Handle. Long Wear Guaranteed.



View showing position of parts when feed mechanism is thrown out of gear.

OUR IMPROVED ECCENTRIC FEED is simple, yet absolutely reliable. It cannot get out of adjustment. There are no springs to weaken, no small parts to break or wear quickly. It has four feeds, and by simply moving the right hand lever forward or backward you can regulate the feed to spread a light top dressing or a heavy coat of manure, as desired. No more satisfactory or more durable feeding device is found in any spreader. It spreads just as much or as little as you want, up hill or down, on rough or smooth ground. When set in gear by the hand lever, the beater shaft turns the heavy iron eccentric which pulls the pawls against the large ratchet wheel, causing the apron to advance. It will give the apron a slow, barely perceptible movement, or will pull it along as swiftly as desired, according to the way you wish to spread, light or heavy. The lower pawl prevents the apron working back or losing any of the distance gained. Nothing more simple or more reliable than the Bradley feed could be devised, yet it spreads more uniformly than many more complicated devices. There are no rollers or cams to get out of alignment or to rattle. It cannot feed unless the beater is revolving. No cramming of load against an idle beater by forgetting feed lever. It takes care of itself.



View showing position of parts when feed mechanism is thrown into gear.

BEATER. Eight oak crossbars are bolted into heavy malleable spiders. Steel teeth, $\frac{3}{4}$ -inch round and shear pointed, are set into these oak cross pieces, which are cross riveted to prevent splitting. Teeth do not track, but are so arranged that every bit of manure must be torn to shreds as it passes between them. Directly above is suspended a **spring trip rake**, which assists in thoroughly pulverizing manure. It automatically trips if any unyielding substance is encountered and permits it to pass without injury to beater.

DOUBLE CHAIN DRIVE. Each rear wheel carries a large, heavy iron sprocket with a $\frac{1}{2}$ -inch flange to enable it to be drawn up tight to wheels without springing. Over these run No. 62 malleable drive chains, between beater sprockets and idlers. The chains engage seven teeth of each large sprocket; the construction of ordinary spreaders allows but three teeth to pull. Beater sprockets are not fast to shaft, but are held in mesh with the equalizer clutches which are tight on shaft. This prevents any strain when one wheel revolves faster than another, as in turning a corner. It also permits backing spreader in gear, as the clutches simply disengage from the sprockets. These clutches, like the idler arms, are adjustable in and out and are chilled to prevent wear.

POSITIVE CHAIN LOCK. An exclusive David Bradley feature; its importance cannot be overestimated. It makes chain troubles impossible. When the control lever engages drive chains the heavy malleable idler arms are automatically followed down by cast iron lock arms that bear down on a dead center, completely preventing idler arms rising up. The shaft holding idler arms is steel and $1\frac{1}{2}$ inches square, on which arms are adjustable in and out to insure perfect chain and sprocket alignment. The chains cannot lift the arms; no sudden jolt can move them; they are positively locked into position. This prevents sprockets slipping on a single link of either chain; the chains cannot jump the sprockets. It takes the strain of wear, rod and rack. Contrast it with the drives in which the tightness of the chain depends upon long springy rod. Control levers, well formed of iron, and having grip latches on each, are conveniently located for the driver. The spreading lever, being used to engage the drive chains and not to hold them in gear, is very easily thrown in and out. The rack has several notches so that just the proper set is possible. The feed lever has four different positions in feed; the first will spread a barely noticeable coat, and from that up to a heavy 2 or 3-inch coat is possible. The idler arm levers are adjustable in different holes. This provides a simple, quick means of adjustment if chain slack needs taking up. No need of shortening chains. Either lever on a David Bradley Spreader may be thrown in or out of gear with team on the go; no delicate parts to break.

GREASE CUPS. In several places we have supplanted oil holes with large grease cups. They require but occasional filling and insure perfect lubrication, whereas an oil hole takes but a limited supply of oil and by filling up with foreign substances is often neglected.

CAPACITY. We plainly state the capacity of each David Bradley Spreader and assure the purchaser that he can load as much or more ordinary manure as stated. As a matter of fact, our 55-bushel box will hold as much as many so called 60-bushel machines of other makes and our 65-bushel box as much as many 70-bushel machines.

FINISH. The standard Bradley colors, red, yellow and black, make the David Bradley Spreader handsome in appearance. The body is red with yellow striping, gear yellow, and iron parts black.

BODY. The stanchest construction to stand hard use. The bottom is built on two heavy hard pine sills running full length of box, held together by hard pine cross girts mortised into them. In addition two steel angles run the entire length of sills for reinforcement. The frame is so solid that hardly any collision could affect it. The box is 10 feet long and is higher at the front than rear, which helps the feed and greatly lightens draft. Sides are carefully graded smooth lumber and extend 17 inches above upper surface of box bottom. They are bolted firmly to box by eight posts, which are bolted to the sides. Extra strength is given sides by a heavy iron brace bolted to middle of each side and the extended ends of center girt. It positively prevents bulging. The box is 2 inches wider at the beater end than at the front. This taper permits load to travel back freely without binding. Top edges of sides are iron bound to protect from knock of fork or shovel. The most improved type of steel implement seat, roomy and comfortable, is mounted on a spring standard which folds down forward when loading. The front board is reinforced to sustain the driver's weight. The footboards are amply strong for any weight. They are supported by double irons.

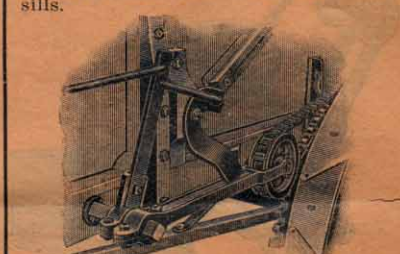
BOTTOM. This is made of matched flooring for three reasons: It makes it very strong, it forms a smooth surface not susceptible to wear and splintering, and it makes a watertight box. It is a great advantage to preserve the liquid part of the load and get it on the field.

TRUCK. We furnish the complete spreader with either wood wheel or steel wheel truck. The steel wheel truck is very strong and compact, permits easy handling of the team, short turning, and is low enough for easy loading. The top of box sides is only 50 inches from the ground. The bolsters are $3\frac{1}{2} \times 4\frac{1}{2}$ -inch oak; the gear is hardwood and wrought iron throughout, except the malleable iron stakes; axles are hickory; reach, tongue and bolsters are oak. Entire truck well ironed and braced. Reach may be lengthened out in case you wish to use truck for some other purpose requiring long wheel base. Wheels are practically unbreakable; front 28 inches and rear 40 inches in diameter. Tires $\frac{3}{4}$ inch thick and 4 inches wide. Removable mud lugs or traction cleats are bolted to rear wheels, insuring positive traction. The bearings are 10 inches long, hubs extremely heavy cast, and the wide oval spokes are let into and upset in rims. Front and rear wheels truck, don't make unnecessary tracks in your field. The wood wheel truck is substantially the same as the steel wheel truck, except that it has 30-inch front and 42-inch rear wood wheels, and mud lugs are clamped on instead of bolted.

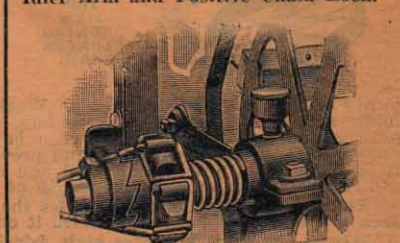
ALL STEEL APRON. An endless apron of steel; not a piece of wood in it. No "follower board," no "force feed," nothing to set or adjust, nothing needed to help it out, because it is correct in principle. It is made of two endless No. 62 malleable chains connected at short intervals by steel angle cross pieces, which pull the load toward the beater evenly. When the beater has gone through the last of the load the box bottom is cleared of all manure. Holding apron snugly on bottom are front and rear steel shafts with four sprockets over which chains travel. Chains are protected when running under box bottom by steel angles. Apron is easily adjusted by turning bolts in the heavy counter castings at front of box. Note the big solid casting bolted to front post and distributing pull of apron; on other spreaders this strain is usually permitted to fall on one sawed out spot in box side. Note also the steel angles, heavy chain and matched, tongued and grooved box bottom boards.



Bottom of David Bradley Spreader, showing endless steel apron, with No. 62 malleable chains and angle steel protecting tracks underneath. Note the watertight floor and heavy side sills.



Idler Arm and Positive Chain Lock.



Equalizer Clutch and Sprocket on Beater Shaft.

\$42⁵⁰

DAVID BRADLEY MANURE SPREADER BOX

\$47⁵⁰

55-BUSHEL SIZE

CAN BE USED ON ANY ORDINARY FARM TRUCK.

65-BUSHEL SIZE

If you wish to purchase a spreader box for use on a truck you already have, you cannot make a better selection than the David Bradley Spreader Box. It is exactly the same as that furnished on our complete spreaders. The price for the spreader box includes everything necessary to make a complete David Bradley Spreader except the truck. Drive chains, sprockets, clamps and everything necessary to attach are included.

It will fit any ordinary farm truck you may have, wide or narrow track, wood or steel wheels. You run no risk as to perfect fit because of its complete adjustability. The clamp blocks are formed so that sprockets may be held out the proper distance from spokes whether flat or dished wheels. Idler arms are adjustable in or out on shaft, and beater shaft

sprockets are similarly adjustable. Thus a perfect alignment is always possible; chain, idler drive sprocket and beater sprocket all in a straight line.

We recommend purchasing complete spreader with truck, as it costs little if any more than others ask for just a box, and then you have the best spreader always ready for use. However, the David Bradley Spreader Box mounted on any truck you have on hand will make you a spreader you could scarcely equal except with a complete David Bradley. The David Bradley Manure Spreader Box is covered by the same liberal binding guarantee as our complete David Bradley Spreader.

Shipped From the Big David Bradley Factory at BRADLEY, ILL.

PRICES OF DAVID BRADLEY SPREADERS

Shipped From the Big David Bradley Factory at BRADLEY, ILL.

No. 328802 55-Bushel David Bradley Manure Spreader, complete with Steel Wheel Truck. Box is 10 feet long, 17 inches deep and 36 inches wide, inside measurements. Width of truck is 4 feet 8 inches from center to center of tires. Weight, 1,495 pounds.
Price.....\$69.50

No. 328803 65-Bushel David Bradley Manure Spreader, complete with Steel Wheel Truck. Box is 10 feet long, 17 inches deep and 40 inches wide, inside measurements. Width of truck is 5 feet 3 inches from center to center of tires. Weight, 1,535 pounds.
Price.....\$74.50

No. 328805 55-Bushel David Bradley Manure Spreader, complete with Wood Wheel Truck. Box is 10 feet long, 17 inches deep and 36 inches wide, inside measurements. Width of truck is 4 feet 8 inches from center to center of tires. Weight, 1,525 pounds.
Price.....\$76.50

No. 328806 65-bushel David Bradley Manure Spreader, complete with Wood Wheel Truck. Box is 10 feet long, 17 inches deep and 40 inches wide, inside measurements. Width of truck is 5 feet 3 inches from center to center of tires. Weight, 1,565 pounds. Price.....\$81.50

No. 328800 55-Bushel David Bradley Manure Spreader Box, without truck. Complete with sprockets, clamps and everything necessary to attach. For use on narrow track truck measuring 38 inches between bolster stakes. In ordering tell us whether your truck has wood or steel wheels, diameter of rear wheels, and number of spokes. Weight, 870 pounds.
Price.....\$42.50

No. 328801 65-Bushel David Bradley Manure Spreader Box, without truck. Complete with sprockets, clamps and everything necessary to attach. For use on wide track truck measuring 42 inches between bolster stakes. In ordering tell us whether your truck has wood or steel wheels, diameter of rear wheels and number of spokes. Weight, 900 pounds.
Price.....\$47.50

DAVID BRADLEY MUD LUGS.

We furnish mud lugs or traction cleats with every complete David Bradley Spreader. They will be found helpful when the machine is used where an ordinary wagon wheel would slip.

Mud lugs are NOT included with the spreader boxes. We recommend that you order a set when buying spreader box only.

No. 328810 Set of eighteen David Bradley Mud Lugs. Adjustable to any width of tire and easily detached. When ordered alone state whether wanted for wood or steel wheel and Applied For. width of tire. Weight, per set, 16 lbs. Price, per set, \$1.55

Whiffletree and Neekyoke are not regularly furnished with David Bradley Spreader. If wanted they must be ordered extra.

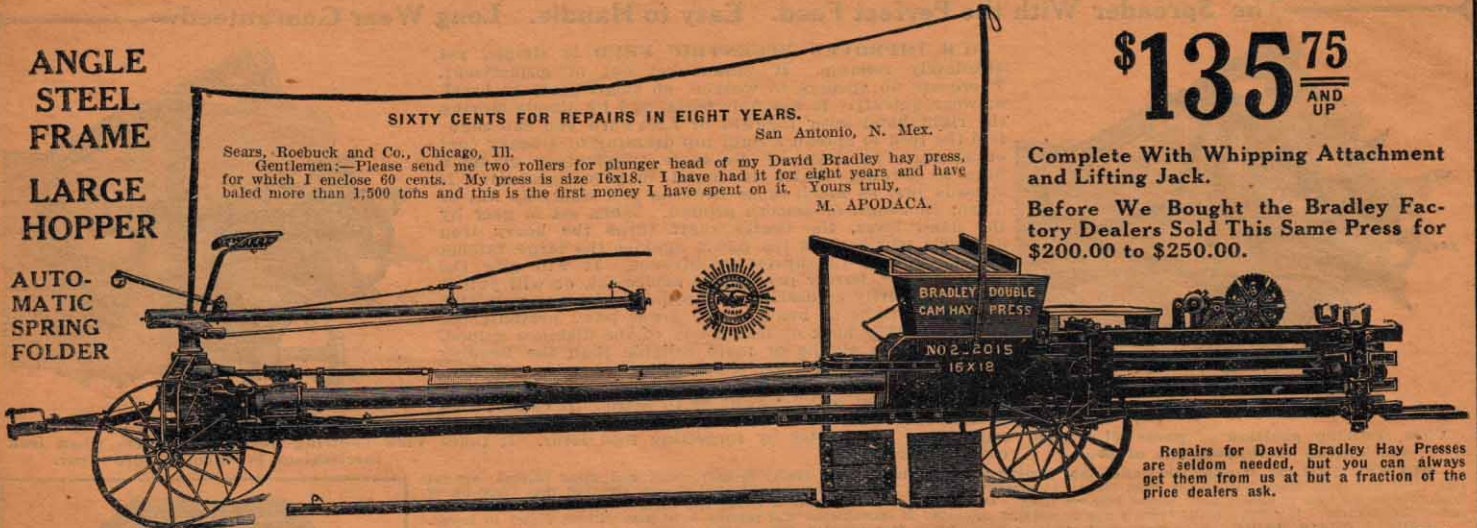
No. 328811 Two-Horse Whiffletree and Neekyoke. Weight 32 pounds. Price.....\$1.95
No. 328812 Three-Horse Whiffletree and Neekyoke. Weight, 55 pounds. Price.....\$3.75

David Bradley Double Cam Steel Hay Press

ANGLE
STEEL
FRAME

LARGE
HOPPER

AUTO-
MATIC
SPRING
FOLDER



SIXTY CENTS FOR REPAIRS IN EIGHT YEARS.

Sears, Roebuck and Co., Chicago, Ill.

Gentlemen:—Please send me two rollers for plunger head of my David Bradley hay press, for which I enclose 60 cents. My press is size 16x18. I have had it for eight years and have baled more than 1,500 tons and this is the first money I have spent on it. Yours truly,

M. APODACA.

San Antonio, N. Mex.

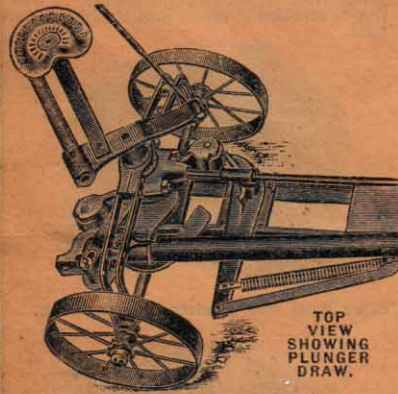
\$135⁷⁵
AND
UP

Complete With Whipping Attachment
and Lifting Jack.

Before We Bought the Bradley Fac-
tory Dealers Sold This Same Press for
\$200.00 to \$250.00.

Repairs for David Bradley Hay Presses
are seldom needed, but you can always
get them from us at but a fraction of the
price dealers ask.

David Bradley Hay Presses forcibly illustrate the big saving made farmers by our purchase of the David Bradley factory. Take for example, the No. 32B930 press, which we list here at \$135.75. Prior to our purchase of the factory, dealers paid \$167.00 for this same press and sold it to the user at from \$200.00 to \$250.00. This is but one example of the money we save the farmer, and we effect for him a corresponding saving throughout, not only on the line of David Bradley hay presses, but the entire line of David Bradley implements. We offer them all direct to the user for less than dealers formerly paid. There are no better hay presses made than the David Bradley presses, and thousands of satisfied users throughout the world declare there are none so good.



TOP
VIEW
SHOWING
PLUNGER
DRAW.

Our confidence in these presses is evidenced by the guarantee under which we sell them. We offer you a David Bradley press with the understanding that you are to take it into your own field and try it out in any way you see fit. Try it alongside of any other press of its type made. No matter if the other press does sell for from \$100.00 to \$150.00 more, and if after such trial you feel that you would rather have the other press, or if the David Bradley press does not satisfy you in every way and convince you that it is the best press for you to buy, send it back to us at our expense and we will return you the full price you paid us for it and also the money you paid for freight charges. We have sold hundreds of these presses on these liberal terms during the past season and we have yet to hear from the first dissatisfied customer.

The extreme simplicity of the David Bradley double cam press places it in a class by itself. It is strongly made, entirely of steel. Working parts consist of but a plunger, a double cam, and plunger draw. No chains or cogs, nothing to break, and repairs are seldom necessary. Takes two feeds to every round. Team travels in continuous circle. One horse can operate it and it is very easy work for two. Automatic plunger draw is operated by the cam and is positive. Plunger rebounds quickly and comes up slowly, allowing

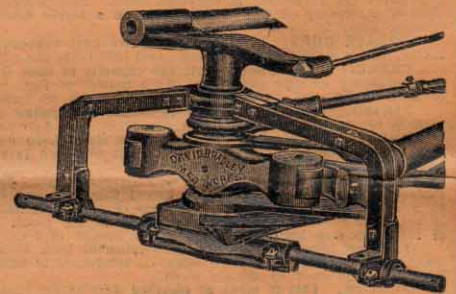
plenty of time to place large feeds. Works perfectly under all conditions regardless of expansive force in material pressed and the automatic spring folder makes a smooth bale. Bales hay, straw, hair, shredded fodder, pea vines, alfalfa, oat hay, excelsior, cotton, etc. An oscillating cross head on plunger end prevents breakage when hay is unevenly fed. Powerful tension bolts set peculiarly on side of bale chamber. They conform to compression on top and bottom and prevent bulging at sides. Follower boards are reinforced by steel strips on one side, as shown in illustration. It is a low down press, easily fed and convenient for tying the bale. An alarm bell automatically rings as a signal for placing the follower board and can be set for any desired length of bale. The press lies perfectly flat when wheels are removed.

The whipping attachment enables the feeder to whip up the team at any point in the circle and often saves expense of a driver. The Lifting Jack is simple and powerful. With it one man can lift or lower the press. Having a worm gear, you can't let the press fall. Wheels are steel, 30 inches high, 4-inch tires. Press can be drawn by two horses on ordinary roads. Price is for the press complete with trucks, lifting jack, two bridges, three follower boards, whipping attachment, evener, neckyoke, tongue, feeding fork and wrenches.

CAPACITY of the 14x18-inch press is 8 to 10 tons; 16x18-inch press, 10 to 12 tons; 17x22-inch press, 12 to 14 tons of hay per day, depending on kind of hay and skill of operators. Shipped from the big David Bradley factory at BRADLEY, ILL.

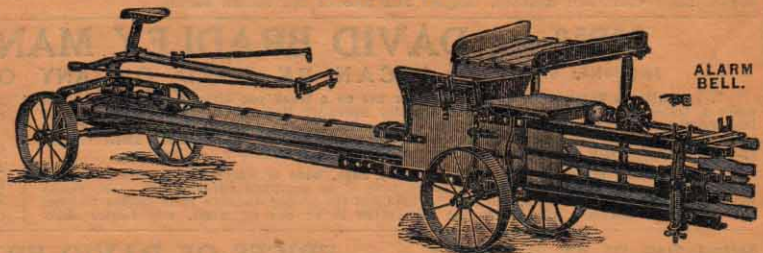
- No. 32B930 Double Cam Hay Press, with 14x18-inch bale chamber. Weight, 2,975 pounds. Price.....\$135.75
- No. 32B931 Double Cam Hay Press, with 16x18-inch bale chamber. Weight, 3,015 pounds. Price.....\$143.50
- No. 32B932 Double Cam Hay Press, with 17x22-inch bale chamber. Weight, 3,250 pounds. Price.....\$152.25
- No. 32B943 Tie Making Machine for making bale ties for any press. Weight, 45 pounds. Price.....\$3.70
- No. 32B945 Extra Follower Boards or Blocks. (Will fit any Bradley press of corresponding size.) Price, each, 14x18-inch size, 96c; 16x18-inch size, \$1.05; 17x22-inch size, \$1.17.

Write for Our Prices on Bale
Ties.



VIEW OF POWER END
SHOWING DOUBLE CAM.

Prices quoted are F. O. B.
BRADLEY, ILL.



ALARM
BELL.

Sears, Roebuck and Co., Chicago, Ill.

Gentlemen:—I received your Bradley Double Cam Hay Press and am greatly pleased with it. It does better and faster work than any press that I have ever seen. My dealer offered me a press for \$200.00, and I would not give mine for his now. I have baled over 400 tons with my press already, and the people are greatly pleased with my work. Thanks also for prompt shipment.

Yours, truly,

RANSOM ALLEN.

Carrier Mills, Ill.

Sears, Roebuck and Co., Chicago, Ill.

Gentlemen:—Please send me one of your repair catalogs of the David Bradley Hay Press. I have a David Bradley Hay Press, have run it for eight years and yesterday was the first break I ever had. My press is 17x22. Can't be beat. I can bale 18 tons of hay a day and 15 tons of straw. I broke the casting that holds the rollers. Please send me a list at once. Yours very truly,

R. F. D. No. 1, East Liberty, Ohio.

S. B. KERUS.

DAVID BRADLEY ENGINE POWER HAY PRESSES.

We also manufacture David Bradley Engine Power Presses. These are the presses the big shippers use. Capacity, 25 to 35 tons of hay per day. Our prices range from \$284.50 up. Dealers formerly sold the same presses at from \$400.00 to \$500.00. You cannot buy a better engine power press than the David Bradley. We publish a special catalog containing descriptions and prices of these presses. If interested, send for a copy of this catalog, also write for our price list of bale ties, being sure to mention in each case line of merchandise in which you are interested.

SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS.

DAVID BRADLEY SAW FRAMES



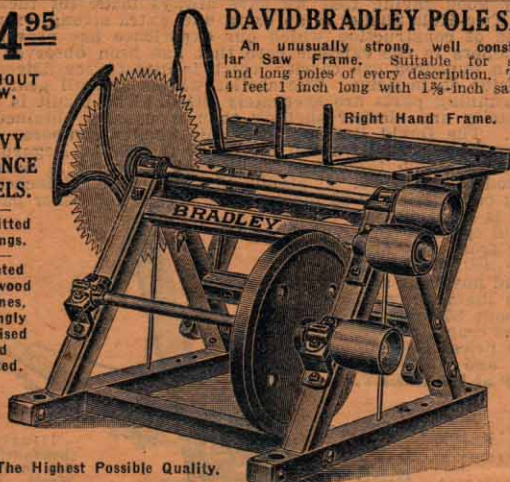
Our saw frames are made in the famous David Bradley factory and they bear the David Bradley trade mark, which is a guarantee of supreme high quality. Frames are made of heavy selected hardwood, strongly bolted together and painted with a bright red oil paint with gloss, not the cheap mineral paint which is generally used by others. Shafts are heavy 1 1/2-inch cold rolled steel and run in ample babbitted bearings which are connected by a heavy iron frame, insuring perfect and permanent alignment. Steel and iron parts are heavy, well finished and well painted. Frames are shipped crated, as shown in the illustration to the left, thus securing a much lower freight rate than by ordinary methods of shipping. Directions for setting up accompany each frame. Our cut-off saw blades are especially made for use on these saw frames. They are filed and set, ready for use, and are fully guaranteed to give perfect satisfaction. 20 or 22-inch saws should be run from 900 to 1,400 revolutions per minute and require 2 to 3 horse power; 24 or 26-inch saws should be run from 800 to 1,200 revolutions per minute and require 4-horse power; 28 or 30-inch saws should be run from 700 to 1,000 revolutions per minute and require 6-horse power. Rip saws cannot be used on these frames and 30-inch is the largest cut-off saw that can be used.

\$14⁹⁵

WITHOUT SAW.

HEAVY BALANCE WHEELS.

Babbitted Boxings.
Selected Hardwood Frames, Strongly Mortised and Bolted.



The Highest Possible Quality.

DAVID BRADLEY POLE SAW FRAMES.

An unusually strong, well constructed and popular Saw Frame. Suitable for sawing cord wood and long poles of every description. The mandrel shaft is 4 feet 1 inch long with 1 1/2-inch saw arbor and 5-inch arbor flanges. It has grooves in boxes to prevent end play. The mandrel shaft boxes are connected together with an iron frame which keeps them in perfect alignment. The center tightening pulley is hung on a heavy cast iron bracket with heavy steel shaft, and it is so strongly made that it cannot get out of line. All pulleys are 5 inches diameter and 6-inch face. Balance wheel weighs 100 pounds. The cast iron saw guard is adjustable to fit saws from 20 inches to 30 inches in diameter. Can furnish either right or left hand frame, but we always ship right hand frame.

Right Hand Frame.

The cast iron saw guard is adjustable to fit saws from 20 inches to 30 inches in diameter. Can furnish either right or left hand frame, but we always ship right hand frame.

unless left hand frame is ordered. Prices are for the frames shipped knocked down from the big David Bradley factory at BRADLEY, ILL.

No. 32B2135	Pole Saw Frame, without saw.	Wt., 425 lbs.	Price...\$14.95
No. 32B2136	Pole Saw Frame, with 20-inch saw.	Wt., 437 lbs.	Price...17.85
No. 32B2137	Pole Saw Frame, with 22-inch saw.	Wt., 438 lbs.	Price...18.45
No. 32B2138	Pole Saw Frame, with 24-inch saw.	Wt., 443 lbs.	Price...19.05
No. 32B2139	Pole Saw Frame, with 26-inch saw.	Wt., 447 lbs.	Price...19.65
No. 32B2140	Pole Saw Frame, with 28-inch saw.	Wt., 452 lbs.	Price...20.25
No. 32B2141	Pole Saw Frame, with 30-inch saw.	Wt., 456 lbs.	Price...20.85
No. 32B2143	Set of Irons for Bradley Pole Saw Frame. Consisting of mandrel shaft with pulley, collars and boxes, idler bracket with pulley, and lower shaft with pulley, boxes and 100-pound balance wheel. Weight, 215 pounds.		Price...\$11.40

DAVID BRADLEY SLIDING TABLE WOOD SAW FRAMES.

For sawing 4-foot cord wood. Easy to operate. Table runs on iron ways which form part of the frame, and slides on rollers. Shaft is 4 feet 5 inches long, with 1 1/2-inch arbor, and 5-inch arbor flanges. Grooves in the boxes prevent end play. Driving pulley is 5 inches diameter, with 6-inch face. Balance wheel weighs 100 pounds. The hood accommodates any size of saw from 20 to 30 inches in diameter. Can furnish either right or left hand frame, but we always ship right hand frame unless left hand is ordered. Prices are for the frames shipped knocked down from the big David Bradley factory at BRADLEY, ILL.



Right Hand Frame.

\$13⁹⁰

SLIDING TABLE SAW FRAMES.

No. 32B2125	Sliding Table Saw Frame, without saw.	Wt., 385 lbs.	Price...\$13.90
No. 32B2126	Sliding Table Saw Frame, with 20-inch saw.	Wt., 397 lbs.	Price...16.80
No. 32B2127	Sliding Table Saw Frame, with 22-inch saw.	Wt., 398 lbs.	Price...17.40
No. 32B2128	Sliding Table Saw Frame, with 24-inch saw.	Wt., 403 lbs.	Price...18.00
No. 32B2129	Sliding Table Saw Frame, with 26-inch saw.	Wt., 407 lbs.	Price...18.60
No. 32B2130	Sliding Table Saw Frame, with 28-inch saw.	Wt., 412 lbs.	Price...19.20
No. 32B2131	Sliding Table Saw Frame, with 30-inch saw.	Wt., 416 lbs.	Price...19.80
No. 32B2132	Set of Irons for Bradley Sliding Table Saw Frame. Consisting of mandrel shaft with pulley, collars, boxes, 100-pound balance wheel, table tracks, slides, rollers and brackets. Weight, 20 pounds.		Price...\$9.75

DAVID BRADLEY STEEL BEAM POTATO HILLERS AND DIGGERS.

\$4⁴⁵

\$4⁷⁰

Without Front Wheel.



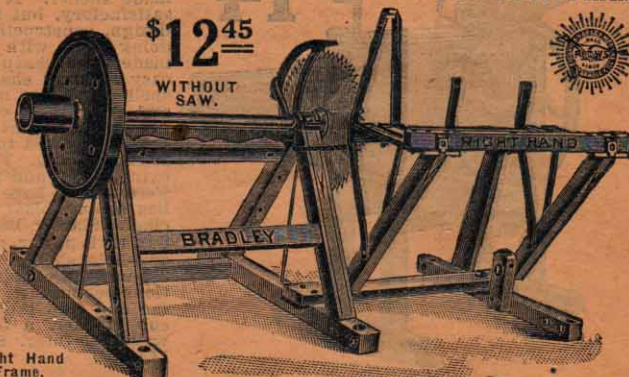
At the low prices we name on these tools, either will pay for itself several times over in even a small patch, or if you buy the combined hiller and digger, you will have a combination tool that will serve in both cultivating and harvesting your potato crop and can also be used as a shovel plow in other work. The beams are made of best forged steel with high arch to clear in trashy patches and an adjustable rear gauge wheel regulates the depth. Blades are made of finest steel, ground and polished. The digger blade has six round steel rods in addition to the flat side blades. It works with light draft and throws potatoes out of ground without cutting them. The hiller or wing shovel blade has hinged wings, which are adjustable for width. Either the hiller or digger blade can be used on the same beam and it is but a moment's work to detach one and replace it with the other. The handles are steel with malleable hand holds. They are rigidly braced and adjustable for height. We do not regularly furnish the front gauge wheel. If wanted, it must be ordered and paid for extra. We recommend its use, especially when the tool is used in hard ground. Buy the combined hiller and digger. Every farmer has need for both and the combination will serve as both and for less than you ordinarily pay for one. Prices are for shipment from the big David Bradley factory at BRADLEY, ILL.

No. 32B432	Potato Digger only. Weight, 100 pounds.	Price...\$4.70
No. 32B433	Potato Hiller only. Weight, 91 pounds.	Price...4.45
No. 32B434	Combined Potato Hiller and Digger. Weight, 118 pounds.	Price...5.97
No. 32B435	Front Gauge Wheel, extra. Weight, 11 pounds.	Price...58

DAVID BRADLEY EXTENSION TABLE WOOD SAW FRAMES.

\$12⁴⁵

WITHOUT SAW.



Right Hand Frame.

For sawing poles or regular 4-foot cord wood. The table can be set at the side for sawing long poles, as shown in the illustration, or it can be set in front of the saw frame in the usual manner for sawing cord wood. The shaft is 4 feet 5 inches long with 1 1/2-inch arbor and 5-inch arbor flanges. It has grooves in the boxes to prevent end play. The boxes are connected together by an iron frame which keeps them in perfect alignment. Driving pulley is 5 inches in diameter, with 6-inch face. Balance wheel weighs 100 pounds. The cast iron saw guard is adjustable to fit saws from 20 inches to 30 inches in diameter. Can furnish right or left hand frame, but we always ship right hand frame unless left hand frame is ordered. If machine is wanted without extension parts for table deduct 55 cents. Prices are for the frames shipped knocked down from the big David Bradley factory at BRADLEY, ILL.

EXTENSION TABLE SAW FRAMES.

No. 32B2110	Extension Table Saw Frame, without saw.	Weight, 365 pounds.	Price...\$12.45
No. 32B2111	Extension Table Saw Frame, with 20-inch saw.	Weight, 377 pounds.	Price...\$15.35
No. 32B2112	Extension Table Saw Frame, with 22-inch saw.	Weight, 378 pounds.	Price...\$15.95
No. 32B2113	Extension Table Saw Frame, with 24-inch saw.	Weight, 383 pounds.	Price...\$16.55
No. 32B2114	Extension Table Saw Frame, with 26-inch saw.	Weight, 387 pounds.	Price...\$17.15
No. 32B2115	Extension Table Saw Frame, with 28-inch saw.	Weight, 392 pounds.	Price...\$17.75
No. 32B2116	Extension Table Saw Frame, with 30-inch saw.	Weight, 396 pounds.	Price...\$18.35
No. 32B2117	Set of Irons for Bradley Extension Table Saw Frame. Consisting of mandrel shaft complete with pulley, collars, boxes and 100-pound balance wheel. Weight, 175 pounds.		Price...\$7.85

DAVID BRADLEY WOOD BEAM POTATO HILLER, DIGGER AND SHOVEL PLOW.

\$5⁴²



A practical hiller and digger and wing shovel plow combined. A splendid combination tool and one that every farmer or gardener should own. The variety of uses to which it can be put makes it one of the most useful and profitable implements you can buy. Has heavy oak beam and standard. Handles are well formed and braced. Equipped with adjustable gauge wheel and rear depth shoe. The adjustable wing shovel blade leaves the soil loose and destroys the weeds, providing perfect cultivation. The digger works perfectly, leaving the potatoes in excellent condition on top of the soil and runs as steadily as a plow. Either blade can be attached or detached easily. One of the very best potato tools on the market. Price is for shipment from the big David Bradley factory at BRADLEY, ILL.

No. 32B428 Potato Hiller, Digger and Shovel Plow. Wt., 68 lbs. Price...\$5.42

DAVID BRADLEY SHAKER POTATO DIGGER.

\$8⁷⁵

WITHOUT TRUCK.

The most satisfactory type of walking potato digger made and under proper working conditions will bring potatoes out clean and whole on top of the ground, but no shaker potato digger will do absolutely perfect work in ground too soft or loose to permit the trip wheel to revolve. The rolling weed fender parts the weeds and vines, leaving the way clear for the blade. Blade is solid hardened polished steel and will scour in any soil. It is flat in shape, 17 inches wide and 15 inches long. The rod platform which hinges to the blade is operated by a trip shaker wheel underneath, which travels on the ground and gives an up and down shaking motion which shakes the dirt from the potatoes, cleaning them as they are dug. The rods on the shaker platform are malleable, 20 inches long and will not break. Beam is of heavy steel, high arched and will not clog. Handles are first quality oak with adjustable braces. We furnish this digger with an adjustable gauge wheel truck, as shown in illustration. The truck straddles the row and holds the digger at a uniform depth. It is very desirable in hard ground. We recommend that you buy digger complete with truck. Prices are for shipment from the big David Bradley factory at BRADLEY, ILL.

No. 32B437	Shaker Potato Digger. Weight, 180 pounds.	Price...\$ 8.75
No. 32B438	Shaker Potato Digger with truck. Weight, 160 pounds.	Price...10.45

The David Bradley Corn and Cob Crusher and Feed Grinder

Strong - Simple - Large Capacity - A better Grinder than others of the type which sell for \$35.00 or more.



Large Heavy Fly-wheel.

Heavy angle steel legs strongly braced.

on the shaft and the worm feed which connects to the runner burr, constitute a force feed which is one reason for the large capacity of the grinder.

To change burrs it is only necessary to take out the two small bolts in the end shaft bearing, then unscrew the large nut on the inside end of the long steel rod at each side, when the entire front end of the grinder can be removed, exposing the burrs. The burrs are bolted with heavy plow bolts directly to the discs. The burrs and discs are faced off true so that all complicated adjustments are done away with. Burrs and discs are extra heavy, avoiding breakages and excessive noise when grinding.

The adjustment for coarse or fine grinding is obtained by movement of the hand lever shown in the illustration. The lower end of this lever operates against an eccentric, so that when the lever is raised or lowered it pushes the burrs together or pulls them apart. It is held in place at any adjustment by dogs engaging in a toothed rack. In an emergency the lever can be thrown off instantly, separating the burrs. The heavy coil relief springs give a cushion effect to the pressure on the burrs, and help protect the grinder from damage in case an obstruction gets in the burrs.

The burr case is a heavy casting which fits snugly up against the end of the main frame, preventing dust from flying out.



By moving the lever forward or backward you set the burrs to grind fine or coarse.

There is also ample clearance between the outer rim of the burrs and the burr case so that the meal cannot collect inside and clog the burrs. A hinged cast iron shutter in the front of the burr case, when opened, exposes the burrs and runner disc for instant inspection.

The heavy sheet steel hopper is strongly formed and riveted, has large capacity and is so proportioned that ear corn will not bridge over, and small grain will flow directly to the burrs. Double feed gates regulate the feed to the burrs. Legs are angle steel strongly braced. Fly wheel is large and heavy. The entire grinder is handsomely painted and striped.

The grinder is regularly furnished with two sets of burrs, one set coarse for grinding ear corn and cracking shelled corn for rough feed; one set medium burrs for finer grinding of shelled corn and small grains. At an extra price we furnish a set of special oats burrs, which will grind oats to required fineness for feeding purposes and in astonishing quantities. They are also suitable for making table meal and extra fine grinding of small grains.

The David Bradley Feed Grinder will grind ear corn (without the husks), shelled corn, rye, barley, oats, and all small grains, coarse or fine, and with the special oats burrs will make as good a quality of table meal as can be made on any steel burr mill. We do not, however, recommend this type of mill for custom work where the grinding of fine table meal is required exclusively.

Grinders require from 2 to 6-horse power and should run 300 to 500 revolutions per minute, according to power. Pulley is 12x5 inches.

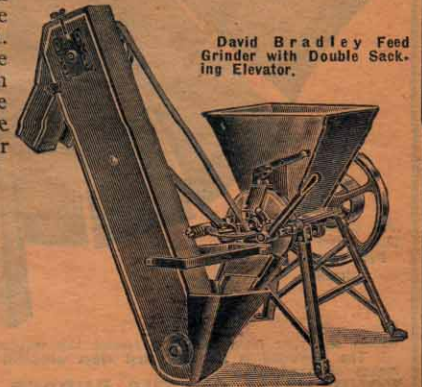
Capacity cannot be definitely stated as it depends on the power, the speed, the kind of grain, and its condition, whether damp or dry, and whether grinding coarse or fine. The range of capacities indicated by our own tests, and in reports from users of our mills, is from 10 to 25 bushels of dry ear corn, and 10 to 40 bushels of shelled corn, wheat, oats, or barley per hour, depending on the horse power, speed, kind and condition of grain and fineness of grinding, as above explained.

The price of the feed grinder does not include the sacking elevator. This is furnished only when ordered at the extra price shown below. Shipped from the Bradley factory at BRADLEY, ILL.

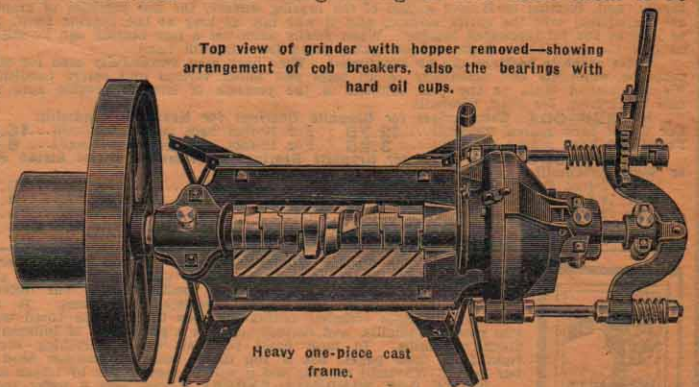
The new David Bradley Feed Grinder has been developed and perfected by us through several years of extensive experiments. During this time we have tested all the most prominent makes of grinders and have found that all of them could be easily improved upon, and in the construction of the David Bradley Grinder we have avoided the faults which existed in other grinders of this type. By the application of new principles we have also reduced the power requirements and increased the capacity.

The David Bradley Grinder is stronger and better made, has larger capacity and requires less power than most of the best known makes of grinders which sell for \$35.00 or more. It costs fully as much if not more to manufacture than these higher priced grinders. The difference in the price is in the cost of selling. When you buy from us you pay no jobbers', dealers' or agents' profits; you deal direct with the manufacturer on the basis of factory cost with one small profit added.

The extra heavy iron frame is cast in one piece. The bottom has sharp ribs against which the cobs are crushed. It is hinged with wood break pins, allowing it to drop down and relieve the grinder of excessive strain in case a stick or other obstruction gets in. The shaft is extra heavy cold rolled steel, with babbitted bearings and ball bearing end thrust. All three shaft bearings have large capacity hard oil cups. The cob breakers are so shaped and arranged on the shaft as to slice and cut the cobs into small bits as well as to crush them. A ring cob breaker is placed next to the burrs, and through this an auger or worm feed extends to the burrs, thus the cobs are thoroughly pulverized before they reach the burrs. The arrangement of the cob breaker



David Bradley Feed Grinder with Double Sacking Elevator.



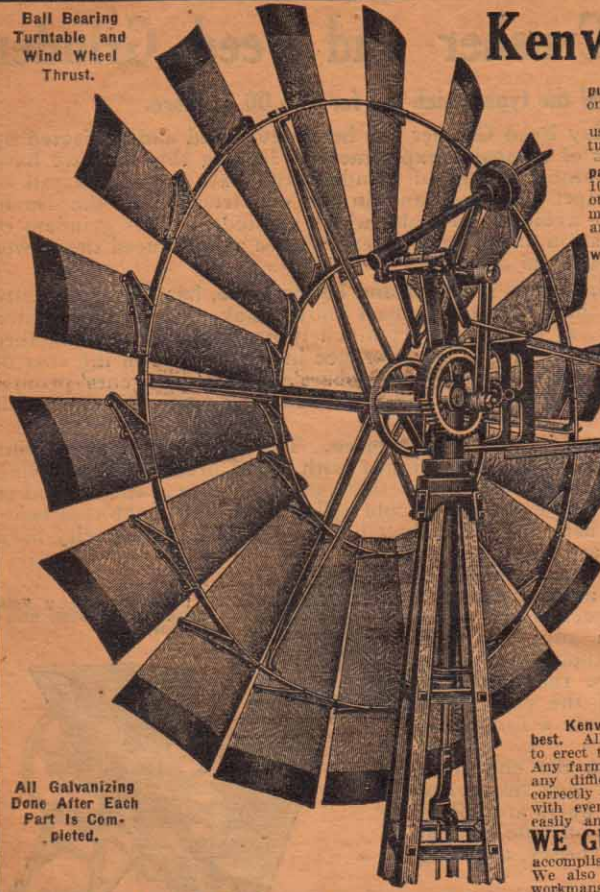
Top view of grinder with hopper removed—showing arrangement of cob breakers, also the bearings with hard oil cups.

Heavy one-piece cast frame.

No. 32B1690	David Bradley Feed Grinder. Weight, 275 pounds.	Price.....	\$18.95
No. 32B1694	5-Foot Double Sacking Elevator. Weight, 60 pounds.	Price.....	8.75
No. 32B1697	Pair of 8-Inch Burrs. State whether coarse or medium. Weight, 6 pounds.	Price.....	.85
No. 32B1700	Pair of Special 8-Inch Oats Burrs. Weight, 6 pounds.	Price.....	.85

Kenwood Back Geared Steel Windmills

Ball Bearing Turntable and Wind Wheel Thrust.



Winter or summer, a Kenwood Windmill is the cheapest and best power for pumping water for all farm purposes, and for suburban residences and country homes. The cost of operation is nothing, for maintenance only a trifle, and the investment smaller than is required for any other means of water supply.

A Kenwood Windmill will pump at the water needed on the largest stock or dairy farm, or for family uses, requiring no attention beyond a little oil occasionally. Always on the job ready for work; a simple turn of the reading gear will set it to work.

The Kenwood Back Geared Steel Windmills are strongly built with heavier steel in wind wheel and rudder parts, and heavier castings and engine heads than are usually found in the highest priced windmills. Our 10-foot back geared windmill weighs from 150 to 200 pounds more than many of the 10-foot windmills of other prominent makes. Kenwood Back Geared Steel Windmills have demonstrated their strength and stability many times by safely standing through heavy storms which have caused great havoc among other windmills, and even trees and buildings around them.

All Kenwood Windmills have ball bearing turntables and a ball bearing end thrust back of the wind proportions of our wind wheels, make them very easy running and powerful. Many of our customers have told us that their Kenwood Windmills run and pump water while other windmills in the neighborhood are standing still.

Kenwood Windmills are practically noiseless because the ball bearings in the turntable and wind wheel, and the extra heavy shaft bearings of engine habbit, do away with all squeaking and scraping noises. We use only the highest grade engine habbit in our bearings, costing about double the price of the low grade bearing metal-most commonly used for windmill bearings. The gears are smooth and true. All bolts on wind wheel and rudder have double nuts, and there are no loose parts to rattle. Large oil reservoirs provide ample lubrication.

The wind wheel, rudder, all wheel braces, and every nut and bolt are heavily galvanized. We spare no cost to make our galvanizing a perfect protection against rust and exposure to the weather. All galvanizing is done after each part is completed, and water cannot get at rivets nor into joints to rust them away. The wind wheel sections are galvanized after they are put together, and the sails, wheel arms, circles and traces are thus practically soldered into one solid piece. The same is done with the rudder sheet. The Kenwood is the same in one reason why they are so much longer lived than other windmills made this way and this is one reason why they are so much longer lived than others. The wind wheel, sails and the rudder sheets are tipped with brilliant red, thus presenting a most handsome appearance.

Our adjustable weight and lever governor is the most perfect form of windmill governor ever devised. There are no springs to weaken, and the windmill swings quietly in and out of the wind without the crash and bang so objectionable in windmills with other styles of governors.

CAUTION: Avoid windmills having sails and rudders cut from ordinary galvanized sheets, wherein all edges and rivet and bolt holes are exposed to rust. The galvanizing on Kenwood Windmills is done after all cutting, punching and riveting is done, thus giving perfect protection against rust. Look for this in the windmill you buy. Any manufacturer who makes his mills that way will be sure to mention it, because they cost him more when made that way.

Kenwood Windmills are easy to erect because they are simple in construction and the workmanship is only of the best. All parts are perfectly fitted and will go together easily. You need not go to the expense of hiring expert help to erect them, but you can do the work yourself with but little assistance and increase the already big saving in price. Any farmer could easily put together and erect our windmills and towers without directions of any kind, but to avoid any difficulty we have prepared complete directions, telling in the simplest manner possible how to quickly and correctly erect Kenwood Windmills and Towers, also how to build a wood tower. We send a copy of these directions with every windmill and tower, and we guarantee them to make it possible for you to erect the mill or tower as easily and quickly as an expert could do it.

WE GUARANTEE every Kenwood Windmill when properly erected and cared for according to the instructions we furnish to run in as light winds, endure as hard service and to prove as durable and accomplish as much work as any other make of windmill of corresponding size and style, regardless of price. We also guarantee every piece and part of our windmills and towers to be free from defect, either in material or workmanship, and we will replace free of all charge any part which may break or give out on account of such defect within one year from date you receive the windmill or tower.

Your Name on the Rudder Free of Charge.

one of the very few windmills made this way and this is one reason why they are so much longer lived than others. The wind wheel, sails and the rudder sheets are tipped with brilliant red, thus presenting a most handsome appearance.

Our adjustable weight and lever governor is the most perfect form of windmill governor ever devised. There are no springs to weaken, and the windmill swings quietly in and out of the wind without the crash and bang so objectionable in windmills with other styles of governors.

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Kenwood Windmills are easy to erect because they are simple in construction and the workmanship is only of the best. All parts are perfectly fitted and will go together easily. You need not go to the expense of hiring expert help to erect them, but you can do the work yourself with but little assistance and increase the already big saving in price. Any farmer could easily put together and erect our windmills and towers without directions of any kind, but to avoid any difficulty we have prepared complete directions, telling in the simplest manner possible how to quickly and correctly erect Kenwood Windmills and Towers, also how to build a wood tower. We send a copy of these directions with every windmill and tower, and we guarantee them to make it possible for you to erect the mill or tower as easily and quickly as an expert could do it.

WE GUARANTEE every Kenwood Windmill when properly erected and cared for according to the instructions we furnish to run in as light winds, endure as hard service and to prove as durable and accomplish as much work as any other make of windmill of corresponding size and style, regardless of price. We also guarantee every piece and part of our windmills and towers to be free from defect, either in material or workmanship, and we will replace free of all charge any part which may break or give out on account of such defect within one year from date you receive the windmill or tower.

All Galvanizing Done After Each Part is Completed.

The Kenwood is the only first class windmill sold direct to the user, and you can buy the Kenwood for much less than you would have to pay for any of the standard makes of windmills.

YOUR NAME ON THE RUDDER FREE. If you so desire, we will stencil your name on both sides of the rudder without charge, or if you wish we will send the name of your town and the name of your windmill to you. We will stencil your name on both sides of the rudder, be sure to say so in your order and carefully print your initials and name so as to prevent mistakes.

Prices are for the windmills complete and include pump pole, pull-out wire, reefing gear, bedplate and truing spider with which the mill is to be erected. When windmill is ordered without tower, we will ship it with steel plate and factory in NORTHEASTERN INDIANA. We send complete instructions for erecting windmills and towers and for building wood towers.

No. 3284006 6-Foot Back Geared Steel Pumping Windmill. Wt., 395 lbs. ... \$14.35
 No. 3284008 8-Foot Back Geared Steel Pumping Windmill. Wt., 425 lbs. ... 18.95
 No. 3284010 10-Foot Back Geared Steel Pumping Windmill. Wt., 630 lbs. ... 26.95
 No. 3284012 12-Foot Back Geared Steel Pumping Windmill. Wt., 970 lbs. ... 45.90

6-FOOT WINDMILLS are intended for light service and shallow wells, and under such conditions will give excellent satisfaction. For wells over 25 feet in depth and where a considerable quantity of water is required, we recommend a windmill 8 feet or larger, according to the conditions to be met. They are not only more powerful than a 6-foot windmill but are much heavier and stronger, therefore will prove more durable and even where the service is light may be considered preferable as a permanent investment.

GRAPHITE BEARINGS FOR KENWOOD WINDMILLS.

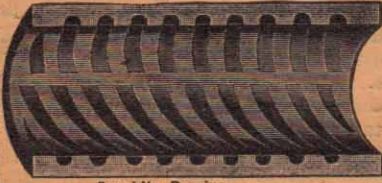
Windmills fitted with graphite bearings require no oiling. Graphite is a perfect lubricant and is extensively employed in the lubrication of machinery. Windmills seldom receive the little attention they really need. Often they are located in isolated places on large ranches where they can be visited only at long intervals, yet they are expected to run continuously and are left to take care of themselves. Kenwood Windmills fitted with graphite bearings can be safely run without oiling. The illustration shows one-half of one of the graphite bearings with which we can, if so ordered, equip our windmills. The bearing consists of a heavy sleeve of phosphor bronze metal, which in itself possesses great anti-friction properties. The graphite mixture is baked into grooves in the inner surface of the bearing. The graphite cannot become dislodged from the bronze, and, forming as it does a part of the bearing surface, the fine particles of graphite are distributed over the entire surface, and it will last as long as the bearing itself, and as long as any oil lubricated bearing. When finally worn out a new bearing can be slipped on over the end of the shaft without taking down the windmill head.

These graphite bearings are no experiment. They have been successfully used for many years on windmills and machinery of all sorts and under various and severe conditions. We recommend them as the best solution of the problem of how to provide sure and safe lubrication for your windmill.

No. 3284004 Extra prices for Graphite Bearings for Kenwood Windmills.
 For 6-foot back geared windmill... \$2.75 | For 10-foot back geared windmill... \$6.65
 For 8-foot back geared windmill... 3.25 | For 12-foot back geared windmill... 6.95

No. 3284005 Extra prices for Graphite Bearings for Kenwood Direct Stroke Steel or Wood Windmills.
 For 8-foot Direct Stroke Windmill... \$2.25
 For 10-foot Direct Stroke Windmill... 4.00
 For 12-foot Direct Stroke Windmill... 4.50

If you want your windmill with graphite bearings, be sure to so state and allow the extra price quoted for the size and style of windmill you order.



Graphite Bearing.

Kenwood Four-Post Windmill Towers

While a great many purchasers prefer to build a wooden tower, and such towers when properly put up serve the purpose, we advise the purchase of one of our four-post galvanized steel towers if you would experience the greatest possible satisfaction from your windmill investment. Our galvanized steel towers are more slightly than a wooden tower; they are more quickly and easily put up; they are more nearly weatherproof; they will last as long as the windmill, and are stronger than a wooden tower.

Our Steel Towers are of the strongest possible construction. They are made of the best materials and are properly proportioned and braced in every way. Every corner post, brace, band girch, bolt and nut is heavily galvanized after all cutting, punching and other machine work is done. This insures every part being covered with non-rusting metal and makes our towers more nearly rustproof than others. Our towers are braced diagonally as well as crosswise at every corner post joint and they are so strong and rigid that when properly anchored they cannot be blown down. No. 1 towers have one set of bands for each 10 feet of their height, also a band at the platform and two bands above the platform which serve as steps. No. 1 towers are intended for use with 6 and 8-foot windmills, but in view of the small difference in price we recommend that a No. 2 tower be used with an 8-foot windmill. Nos. 2 and 3 towers have bands 5 feet apart for the entire height of the tower, also a band at the platform and two extra towers above the platform which serve as steps. No. 2 towers are suitable for 8-foot and 10-foot windmills, but we recommend that you use a No. 3 tower for 10-foot windmills where elevated more than 40 feet. No. 3 towers are suitable for 10-foot or 12-foot windmills at any height. Our towers are full height; every corner post is 10 feet 6 inches long, the extra 6 inches being allowed for the lap of the post over the one below it. This feature makes a stronger and better finished tower and also serves to prevent water from running into the corner post joints. Prices are for towers complete with platform, ladder, rod guides, anchor posts and anchor plates and building instructions for erecting, but does not include windmill, bedplate, truing spider, pump pole, pull-out wire, nor reefing gear, these being parts of the windmill. Shipped from factory in NORTHEASTERN INDIANA.

Galvanized After Completion.



Shipped from factory in NORTHEASTERN INDIANA.

Illustration shows a 40-foot or No. 2 or No. 3 tower.

No.	Height	Windmill	Tower	Wt., Lbs.	Price
3284112	20-Ft.	No. 1	Tower	345	\$13.95
3284113	30-Ft.	No. 1	Tower	485	20.45
3284114	40-Ft.	No. 1	Tower	650	27.75
3284122	20-Ft.	No. 2	Tower	365	15.40
3284123	30-Ft.	No. 2	Tower	535	22.75
3284124	40-Ft.	No. 2	Tower	725	31.00
3284125	50-Ft.	No. 2	Tower	1,000	41.75
3284126	60-Ft.	No. 2	Tower	1,295	54.75
3284132	20-Ft.	No. 3	Tower	425	18.90
3284133	30-Ft.	No. 3	Tower	605	28.15
3284134	40-Ft.	No. 3	Tower	810	38.50
3284135	50-Ft.	No. 3	Tower	1,120	51.15
3284136	60-Ft.	No. 3	Tower	1,445	62.35



Send for our Special Windmill Catalog. If you cannot select a suitable windmill outfit from these pages, our special catalog gives illustrations of many of the details of construction of our different windmills and towers, with more complete descriptions. It also lists and describes complete outfits for deep tubular and bored wells, also power windmills, and besides contains a great deal of information about windmills. In most cases you can order everything needed right from these pages, but if you desire more information send for our Special Windmill Catalog and it will be sent to you by return mail.

WRITE OUR WINDMILL EXPERT if you have a water supply problem to solve. Our line of windmill goods is complete and we can tell you how to most satisfactorily and economically provide water for all farm purposes, country or suburban homes. If you tell us the size, kind and depth of well you have and the work you want to do, our windmill expert will submit an estimate of what you require and quote you the lowest prices you can obtain anywhere on all items needed. Do not purchase a water supply outfit, anywhere, without first writing us. Address Windmill Expert, care of Sears, Roebuck and Co., Chicago, Ill.

KENWOOD DIRECT STROKE WINDMILLS

Direct stroke windmills are strong favorites in many localities, especially in the West and Southwest. The entire simplicity of their construction and their freedom from gears and other exposed wearing parts makes them especially desirable when located in isolated places or where the windmills can be visited only at long intervals for oiling.

Kenwood Direct Stroke Windmills are famous for their quiet, easy running qualities, and for their stanchness and durability. The quality of material and workmanship is of the very highest standard throughout.

We make them with both galvanized steel and wood wheels. The wind wheel and rudder of the Direct Stroke Steel Windmills are the same as those of our Back Geared Steel Windmills except that the wheel fans are set and adjusted somewhat differently. Our wood wheels are strong and solid in construction, well braced, and cannot collapse under heavy loads. Wood wheel slats are clear straight grain poplar, securely fastened to white oak wheel rims. Wheel arms are white ash. Wheels are built in sections and are easily bolted together. Wood wheels are finished in blue, the wheel rims and slats in white, and lead and varnish. The wheel arms are finished with a broad red band. Rudders are strongly constructed and braced.

All Kenwood Direct Stroke Windmills have the side rudder or air governor, in addition to the regular weight and lever governor. This side rudder is a valuable feature and enables the windmill to take care of itself more readily in varying winds.

The engine heads of our Direct Stroke Windmills are strong and simple in construction. Bearings are ample and lined with high grade engine babbitt. Kenwood Direct Stroke Windmills are self governing as they all have the weight and lever governor besides the side rudder or air governor. They will turn out of the wind at a maximum speed, or when the wind is too strong for the windmill to work with safety. They can also be turned out of the wind with the reefing gear at the base of the tower.

All Kenwood Direct Stroke Windmills have ball bearing end thrust back of the wind wheel and excepting the 14-foot sizes they also have ball bearing turntables.



Direct Stroke Steel Windmill With Side Rudder.

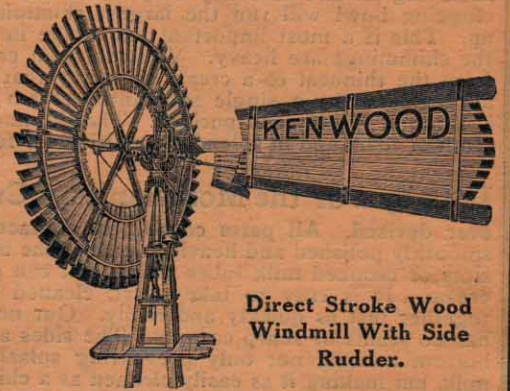
Your Name on the Rudder Free of Charge

If you so desire we will stencil your name on both sides of the rudder without charge, or if you wish we will send the windmill with a plain rudder, or we will leave off the brand Kenwood and stencil your name and the name of your town on both sides of the rudder. If you wish your name on the rudder, be sure to say so in your order and carefully print your initials and name so as to prevent mistakes.

Prices are for the windmills complete with side rudders, and include the wood pump pole, the pull-out wire, the reefing gear, and the bedplate and truing spider with which the windmill is attached to the tower or mast. Price does not include a tower or platform, the platform being a part of the tower. Unless otherwise specified, when a windmill is ordered without a tower, we will ship it with bedplate and truing spider for four-post wood tower and with sufficient pump pole and pull-out wire for a tower 40 feet high. With every windmill we send complete instructions for erecting windmills and steel towers, and printed plans, specifications and instructions for building four-post wood towers. Shipped from factory in NORTHEASTERN INDIANA.

No. 32B4018 8-Foot Direct Stroke Steel Pumping Windmill, Wt., 490 pounds. Price.....\$18.30
 No. 32B4020 10-Foot Direct Stroke Steel Pumping Windmill, Wt., 565 pounds. Price.....\$25.75
 No. 32B4022 12-Foot Direct Stroke Steel Pumping Windmill, Wt., 860 pounds. Price.....\$42.50
 No. 32B4023 14-Foot Direct Stroke Steel Pumping Windmill, Wt., 1,225 pounds. Price.....\$72.20

No. 32B4028 8-Foot Direct Stroke Wood Wheel Pumping Windmill, Weight, 390 pounds. Price...\$19.45
 No. 32B4030 10-Foot Direct Stroke Wood Wheel Pumping Windmill, Weight, 485 pounds. Price...\$24.50
 No. 32B4032 12-Foot Direct Stroke Wood Wheel Pumping Windmill, Weight, 650 pounds. Price...\$34.95
 No. 32B4033 14-Foot Direct Stroke Wood Wheel Pumping Windmill, Weight, 1,100 pounds. Price...\$67.75



Direct Stroke Wood Windmill With Side Rudder.

Regular Windmill Water Supply Outfits

The windmill outfits listed below are complete, including a Kenwood Back Geared Steel Windmill, a four-post galvanized steel tower, a Figure A lift pump, iron cylinder with 1 1/4-inch galvanized iron suction pipe and galvanized steel pump rod for connecting cylinder to the pump. At the prices quoted the cylinder will be placed 20 feet or less below the pump platform. However, the cylinder should always be placed as close as possible to the water, preferably in the water, as then the pump will never need priming. We will furnish the necessary galvanized pipe and steel pump rod for lowering the cylinder to any depth greater than 20 feet at an extra price of 12 1/2 cents per foot of depth greater than 20 feet. Cylinders should not be placed closer than within 2 feet of bottom of well, this to avoid drawing sand or mud into the cylinder. The size of cylinder we furnish varies according to the depth of well and the size and length of stroke of windmill. We always furnish a cylinder of suitable size, proportioned to pump easily under the actual working conditions. If your well is a drilled or cased well with casing 3 inches or 4 inches in diameter, then you must have an inside capped or flush cap brass body cylinder, as the ordinary outside capped cylinders will not go inside the well casing. We will furnish this inside capped cylinder at the regular extra price of \$1.00 for well casing. If you have such a cased well you must be careful to so state and also give the diameter of the well casing.

No. 32B4202 Regular Windmill Outfit, with 6-foot windmill and 20-foot No. 1 tower. Weight, 895 lbs. Price.....\$33.98
 No. 32B4203 Regular Windmill Outfit, with 6-foot windmill and 30-foot No. 1 tower. Weight, 945 pounds. Price.....40.10
 No. 32B4204 Regular Windmill Outfit, with 6-foot windmill and 40-foot No. 1 tower. Weight, 1,115 pounds. Price.....47.10
 No. 32B4222 Regular Windmill Outfit, with 8-foot windmill and 20-foot No. 2 tower. Weight, 950 pounds. Price.....40.45
 No. 32B4223 Regular Windmill Outfit, with 8-foot windmill and 30-foot No. 2 tower. Weight, 1,120 pounds. Price.....47.95
 No. 32B4224 Regular Windmill Outfit, with 8-foot windmill and 40-foot No. 2 tower. Weight, 1,290 pounds. Price.....55.65
 No. 32B4225 Regular Windmill Outfit, with 8-foot windmill and 50-foot No. 2 tower. Weight, 1,585 pounds. Price.....65.60

No. 32B4232 Regular Windmill Outfit, with 10-foot windmill and 20-foot No. 2 tower. Weight, 1,150 pounds. Price.....\$48.55
 No. 32B4233 Regular Windmill Outfit, with 10-foot windmill and 30-foot No. 2 tower. Weight, 1,325 pounds. Price.....56.05
 No. 32B4234 Regular Windmill Outfit, with 10-foot windmill and 40-foot No. 2 tower. Weight, 1,415 pounds. Price.....63.75
 No. 32B4235 Regular Windmill Outfit, with 10-foot windmill and 50-foot No. 2 tower. Weight, 1,790 pounds. Price.....73.75
 Extra prices to be added to prices of outfits for changes, as follows:
 Add 12 1/2 cents per foot for each additional foot of depth for lowering cylinder more than 20 feet.
 Add \$1.25 for Figure B force pump in place of Figure A lift pump.
 Add \$3.25 for Figure C three-way force pump, in place of Figure A lift pump.
 Add \$1.00 for brass body cylinder in place of iron.



Pumps, Cylinders, Pipe Fittings and Galvanized Pipe

Furnished With Our Kenwood Windmill Water Supply Outfits.

These are better goods by far than are handled ordinarily by dealers and agents. Figure A is our extra heavy lift pump, which is regularly included with our regular Windmill Water Supply Outfits. This style pump is adapted for all kinds of wells, including drilled wells and tubular wells. It lifts the water only to the surface of the ground, whence it can be conducted by trough to a tank or pond which is lower than the pump spout. If the water is to be forced some distance away through pipes, or to a tank or point higher than the pump, then either our Figure B or Figure C force pump must be ordered instead. Figure B is a heavy durable force pump with cock spout, brass stuffing box and solid polished piston rod. Its bearings are fitted with renewable bushings which can be replaced in case of wear. It is tapped for 1-inch pipe back of the spout, so that by closing the cock in the spout the water can be forced through pipe connected to the back outlet to an elevated tank or to a reservoir some distance away. Both Figure A lift pump and Figure B force pump will be furnished with 6-inch stroke when ordered with outfits having 6-foot or 8-foot windmill and with 6, 8 and 10-inch adjustable strokes when ordered with outfits having 10-foot windmill. Figure C is the anti-freezing three-way single acting force pump which we furnish with our Suburban and Combination outfits. With outfits having 6-foot windmills it has 6-inch stroke. With 8-foot and 10-foot windmills it has 6, 8 and 10-inch adjustable strokes. It can be used in any kind of well. This pump will discharge the water from the spout, or by turning a small lever handle above the spout the water can be discharged any distance away through the underground three-way connection or to an elevated tank. Figure E shows the cylinder and 1 1/4-inch galvanized pipe which we furnish, together with the galvanized steel pump rod to connect the cylinder to the pump.



Figure A. Lift Pump. Figure E. Suction Pipe and Cylinder.



Figure B. Force Pump. Figure C. Three-Way Force Pump.

CREAM SEPARATORS

We are one of the largest cream separator dealers in the world. We have been in the business for many years and have nearly 400,000 separators in daily use by our customers. We have a big, well equipped factory making cream separators for our own trade exclusively. We sell at real factory prices and in buying from us you pay no profits to jobbers, middlemen or agents. We furnish a written guarantee with every separator we sell.

Our big cream separator business has been built up by fair and honest dealing. We take a personal interest in every customer and every machine and aim not only to give each Economy King user a better machine than he can buy elsewhere, but to assist him in keeping his separator in perfect operating condition by every means within our power in years to come.

THE SANITARY ECONOMY KING

Our New Sanitary Economy King is the ideal separator for any dairy, large or small. It is first of all a wonderful skimmer and takes practically every drop of cream from milk of any age or in any condition that it can be skimmed.

It Purifies Both Skimmed Milk and Cream, removing all dirt that may have fallen into the milk. Our non-clogging bowl will run the largest skimming without choking up. This is a most important advantage in large dairies where the skimmings are heavy. You can skim cream of any density from the thinnest to a cream so heavy that it will hardly flow, all regulated by a single substantial cream screw. The cream is smooth, velvety and purified. The skimmed milk is free from froth or foam and in splendid condition for feeding.

It Is by Far the Most Sanitary Cream Separator ever devised. All parts coming in contact with the milk are smoothly polished and heavily tinned. The bowl has no crevices, slots or crooked milk tubes where dirt can gather and taint the cream. It is easy to take apart, cleaned in a jiffy and goes together just as quickly and easily. Our no-splash supply tank has no seams or sharp corners. The sides are rounding and the bottom convex, not only preventing splashing in pouring the milk, but making it as easily cleaned as a china dish.

The Frame Is Smoothly Finished with curving sides and rounding corners. The base is open, making it easy to keep the floor below the machine clean and dry. No place under the Economy King for dampness or mold to gather. A drip shelf prevents oil stains on the floor and the oil collector catches and saves the used lubricating oil.

The Supply Tank in All Sizes is low and handy to pour into. The cranks are at the most convenient height for easy turning. The handle speeds are low and easily maintained, varying from 44 to 60 turns a minute according to capacity and length of crank. All sizes run easily. A fourteen-year old boy or girl can do the average skimming with the smaller sizes without undue effort, and even in the largest size the addition in the power required to run is so small that it is hardly noticeable; in fact, owing to the lower crank speed, many prefer running the larger sizes to the smallest one.

Heavy Swinging Steel Shelves are provided for both cream and skim milk pails. Either or both can be easily removed if it is desired to use a milk can or larger vessel. Cream and skim milk spouts are plenty high enough to put a big milk can under them. A tool box in the base provides a convenient receptacle for wrenches, oil can, etc. All gearing is carefully guarded so there is no chance to catch and injure the fingers or tear the clothing.

The Economy King is of the most substantial and durable construction all the way through and is built to stand hard everyday use. The frame and base are extra strong and scientifically designed to prevent weaving or vibration while running. The gearing is heavy and broad faced. The bowl is built of fine wrought steel throughout, and no expense has been spared in making every part of ample weight and strength to stand the hardest usage.

We Have the Economy King in sizes for every dairy, large or small. Our prices are within the reach of every purse. No matter what size you select it will soon save its cost in extra cream and improved products, and continue to make and save money for you for many years to come. Order an Economy King on trial and prove to your own satisfaction by an actual farm test what a wonderful machine it is.

TEN WEEKS' TRIAL TESTS IN DAILY FARM USE BEFORE DECIDING.

We Want Every Economy King Cream Separator buyer to be a satisfied customer who will gladly help us spread its sale by speaking a good word for it to his friends and neighbors whenever opportunity offers.

To Give You Ample Time to assure yourself that the Economy King is satisfactory in every way, we allow you ten weeks from the day it arrives at your railroad station, during which time we ask you to give it a good thorough trial in daily use.

Skim All the Morning's and evening's milk with it every day for ten weeks. Test the skim milk and cream yourself, or have it tested at your local creamery. Try it in skimming a light cream and heavy cream. Note the ease of regulation and the smooth, even quality of the cream. Compare it with the best cream separators of other makes in your vicinity. Match them for clean skimming, ease of running, quick and thorough cleaning, sanitary features, strength, fine workmanship or in any way you see fit.

We Want You to Assure Yourself by a good long test in your own dairy that the Economy King is not only the best cream separator you ever saw or used, but that it will actually give you more cream in finer and purer condition than any other separator. It will save you time, labor and money daily and enable you to make the largest possible profit from your dairy.

If, After a Full Ten Weeks' Test, you are not fully satisfied that the Economy King is the best cream separator you have ever used and without an equal in your neighborhood, we want you to return it to us. We will without question or loss of time return your money and pay all freight charges both ways. In addition we will allow you a reasonable amount for repacking and hauling to the railroad station, so that your trial costs you nothing.

The Economy King is fully guaranteed to satisfy you in every way and must do so or we do not expect you to keep it.

WAREHOUSE STOCKS

We carry the Economy King Cream Separator in all sizes in stock in warehouses at the following points:

Albany, N. Y.	Chicago, Ill.	Sioux Falls, S. Dak.
Buffalo, N. Y.	St. Paul, Minn.	Omaha, Neb.
Columbus, Ohio	Fargo, N. Dak.	Kansas, City, Mo.

Be Sure to Send Your Order direct to Sears, Roebuck and Co., Chicago, Ill., and we will at once make shipment from the warehouse nearest you. This will enable us to make very prompt delivery and in most cases the separator will be at the railroad depot in your home town in from two to five days from the time that we receive your order.

AT NINE GREAT RAILROAD CENTERS MAKE QUICKER DELIVERY CERTAIN AND FREIGHT CHARGES VERY SMALL.

There Is No Charge for transportation from the factory to the warehouse and no storage or transfer charges. All you pay is the local freight charges from the warehouse nearest you, and they are a very small item in nearly every case.

Do Not Hesitate to send us your cream separator order for fear of a long delay in transit. Our warehouses are all located at important railroad centers from which we can ship direct to almost any point, saving the time lost in making transfers from one railroad to another and thus making speedy delivery practically certain.

Economy King Cream Separators

AT MONEY SAVING PRICES



\$28⁹⁵

Skimming Capacity, 250 Pounds an Hour.



\$36⁷⁵

Skimming Capacity, 375 Pounds an Hour.

See special cream separator order blanks for our time and monthly payment terms.

Our Sanitary Economy King Cream Separator No. 2.

This is the smallest size. Skimming capacity, 250 pounds, or about 120 quarts of milk an hour. This size is a splendid skimmer on any warm or cold milk. It skims any quantity from one gallon up, and is so easy to handle and run that any woman or fourteen-year old girl or boy can do the usual skimming and care for it without trouble or undue exertion.

It Runs Very Smoothly and quietly and skims milk of any density from the lightest to the heaviest. It is built of the same high quality of material and with the same care and accuracy as our larger machines, and has all the latest sanitary features.

Every Machine is covered by our lifelong guarantee against defect in material or workmanship and is sent to you on ten weeks' trial.

In Your Own Interest we recommend a larger size for any but a very small dairy, as the larger machines are as easy to clean and care for and do the skimming so much quicker. However, if you have only two or three cows and never expect to increase the size of your herd, our small machine will give you complete satisfaction.

No. 23B102 New 1914 Economy King Cream Separator No. 2. Capacity, 250 pounds of milk an hour. Shipping wt., 175 lbs. **\$28.95**
Price.....

We also sell cream separators on time and monthly payments at slightly higher prices. See special cream separator order blanks included with this catalog.

Our Sanitary Economy King Separator No. 4.

Capacity 375 pounds, or about 180 quarts of milk an hour. This is an extra well made machine, built for hard everyday use by business dairymen. It is a wonderfully good skimmer and takes practically every drop of cream from milk in any condition that can be run through a separator. It aerates and cleanses the cream and skim milk and gives you cream of any desired thickness. Has all our new features and improvements, including the quick cleaning sanitary bowl, no-splash supply tank, smooth rounding frame and extra heavy tinware.

This Size is best adapted for a dairy of five cows or less, but could be made to do for a somewhat larger herd. For any but a very small dairy, however, we always recommend the purchase of our No. 6 or No. 8 Economy King shown on the following pages.

The Larger Sizes do the skimming in about one-half the time and care for and will always take care of an increase in the size of your herd in future years, and you will surely want to enlarge it when you see what a money maker the Economy King will make your dairy business.

No. 23B104 New 1914 Economy King Cream Separator No. 4. Capacity, 375 pounds of milk an hour. Shipping weight, 190 lbs. **\$36.75**
Price.....

We also sell cream separators on time and monthly payments at slightly higher prices. See special cream separator order blanks included with this catalog.

BUYERS READ THIS. THE BEST SIZE TO BUY.

In Buying a Cream Separator it is always advisable to provide for the future as with proper care the Economy King should last for many years. Nearly all our customers have found that a separator makes the dairy work so much easier that they can double the size of their herd and still do less work than before. If you use the Economy King you will be almost certain to enlarge your dairy in coming years, and it is best to buy a separator of ample capacity so you will be able to easily handle the increased milk flow.

We Always Recommend the 600-pound or 800-pound machines shown on the following pages. They provide for a good big herd of cows, are just as easy to

handle and clean as the smaller sizes and will do a big skimming so quickly that they save you time and labor twice every day in the year.

No Customer who has bought one of the larger sizes has ever had reason to regret it, while many who purchased the small machines have increased their herds and been obliged to buy a separator of larger capacity later on. It will pay you well to buy a machine of ample size. We strongly advise the purchase of the 600-pound machine listed on the following page for any herd of five cows or more and the big 800-pound machine for herds of from twelve cows up. Order a machine that will provide for your needs in years to come, and you will make a wise choice.

\$44.90

FOR THE SANITARY ECONOMY KING CREAM SEPARATOR

In the Big 600-Pound per Hour Size

This Splendid, Speedy Skimmer is the ideal separator for all but very large dairies. It skims at the rate of 600 pounds or about 290 quarts of milk an hour. It skims a milk pailful every two minutes and does a big skimming in a jiffy.

This Is Our Most Popular Size, the machine selected by six customers out of every ten. It is just as easy to clean and take care of as the smaller sizes, runs practically as easily and, because of its big capacity, skims any quantity of milk in about one-half the time. You can make no mistake in selecting this size. It is adapted for any dairy of from two to thirty-five cows, although if you have twelve to fifteen cows or more it will be to your interest to buy the big 800-pound per hour Economy King listed on page 31. This No. 6 Economy King is a truly marvelous skimmer, takes the cream right down to the last drop from any warm or cold milk, milk from cows on winter feed, stripper cows and milk in any condition that it can be skimmed.

It Gives You Cream of any density, aerates both cream and skim milk perfectly and delivers them in better condition than the original whole milk. It runs easily and very quietly, is so simple that anyone can understand and use it. Nothing to regulate or adjust except the thickness of the cream, which is done by turning a simple cream screw in the bowl in or out with a screwdriver furnished with the machine.

It Is Provided with our new easily cleaned loose disc bowl, the most sanitary that money can buy and the only one with which you can insure pure cream and butter of the finest flavor. This feature alone should make it the separator of all others for your dairy. You want to produce the best cream, and butter so good it will sell easily at the very highest prices. You cannot do this with an insanitary separator, but with the Economy King it is practically certain, insuring the greatest possible profit from your dairy.

At \$44.90 this big Economy King is a sensational bargain. We have no competition in price and never have had because we cut out all middlemen's profits and expenses and sell to you direct at factory prices. No agents' machines selling at \$75.00 to \$90.00 or even \$100.00 will compare with the Economy King. It stands alone, without an equal for closeness of skimming, solid long lasting durability, strength, simplicity, ease of handling and in every other way. If you pay more than our price for any separator you throw the difference away and, even at agents' prices, although they are twice what we ask, you cannot find the equal of the Economy King.

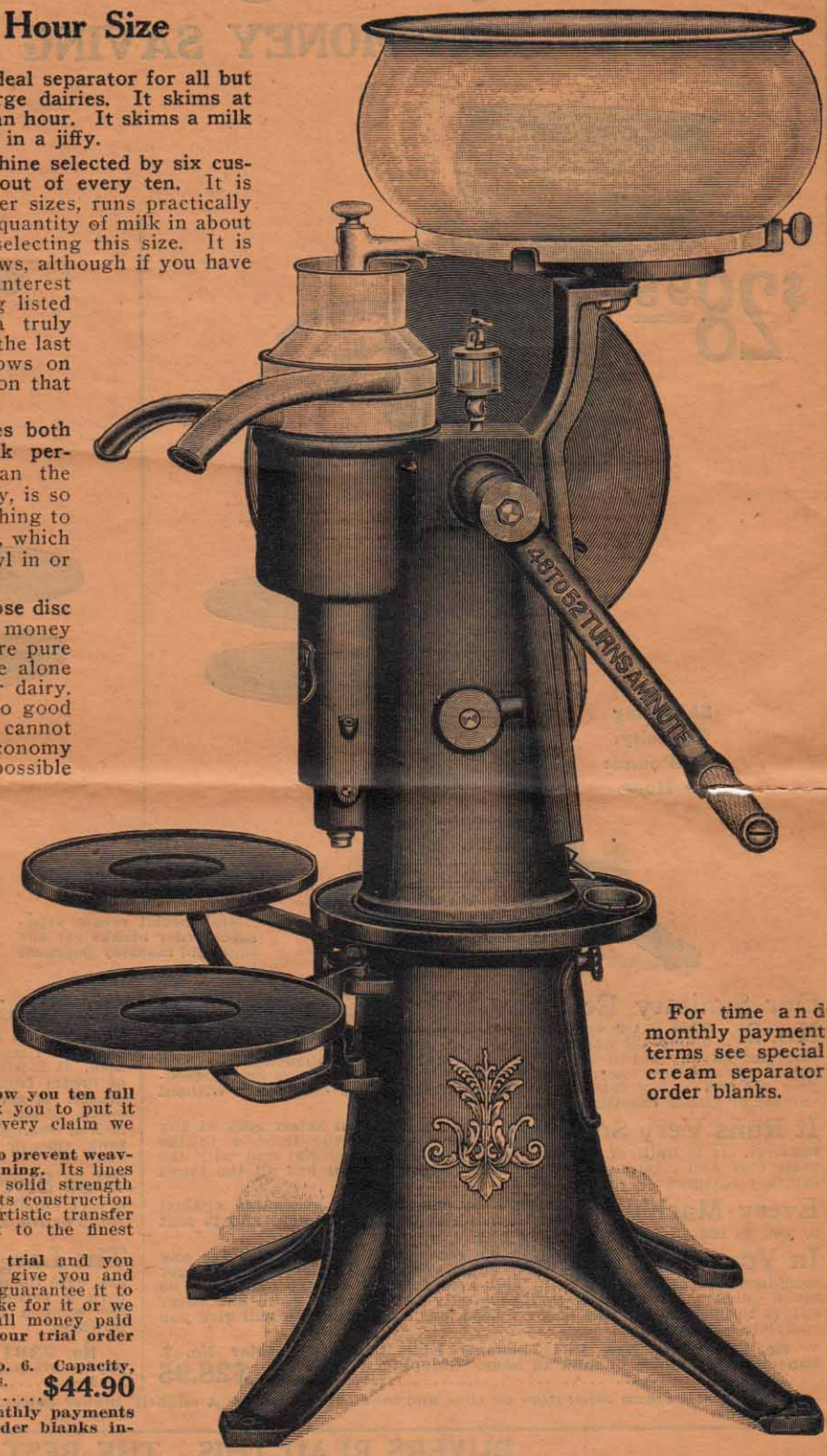
We Fully Guarantee this machine and we allow you ten full weeks for trial. We ask you to put it to every test and prove to your own satisfaction that every claim we make for it is true and justified.

The Economy King is scientifically designed to prevent weaving or vibrating while running. Its lines are graceful and pleasing and convey the impression of solid strength and durability which is confirmed by an examination of its construction in detail. It is tastefully finished in dark green with artistic transfer decorations in red and gold, and will be an ornament to the finest sanitary dairy.

Order This big fast skimming Economy King on trial and you will marvel at the extra cream it will give you and the time and labor it will save you daily. Remember, we guarantee it to satisfy you in every way and to fulfill every claim we make for it or we expect you to return it and we will at once send back all money paid for it and pay all freight charges both ways. Send us your trial order today.

No. 23B106 New 1914 Economy King Separator No. 6. Capacity, 600 pounds of milk per hour. Shipping weight, 240 pounds. **\$44.90**

We sell the Economy King in all sizes on time or monthly payments at slightly higher prices. See special cream separator order blanks included with this catalog.



For time and monthly payment terms see special cream separator order blanks.

Be Sure to Select a Separator of Ample Size

A big capacity separator is always best. The 600-pound and 800-pound sizes not only save time and work daily, but they actually cost less than the smaller ones for each year they are used. The large sizes do any skimming in about one-half the time of the smaller sizes, so they are used only one-half as much and a cream separator, like any other machine, only wears as it is used. Being used only half as much each day, the large sizes will run twice as long before repairs are needed. As they do not cost anything like twice as much money as the smaller sizes they actually cost you less per year to use. Another advantage is, being used for only half as long for each skimming, they require only half as much oil as the smaller sizes.

It will pay you well to buy a separator of ample capacity as it will actually cost you less in the end.

THE SANITARY ECONOMY KING \$ 49⁸⁰ CREAM SEPARATOR

We also sell the Economy King on time and monthly payments. See special cream separator order blanks.



In the Largest Size

This is the big fast skimming size we recommend for dairies of from ten or twelve to fifty cows or more. It skims 800 pounds or about 390 quarts of milk an hour and is our largest capacity machine.

Owners of Medium or large size herds, city milk dealers and ice cream makers will find this size is just what they need. The handle speed is low. It runs easily and quietly and is as easy to clean and care for as the smaller sizes. It saves time and labor every time

you use it because of its great capacity, skimming at the rate of a milk pailful every minute and a half, and doing a big skimming in short order.

This Is the Heaviest and best machine we make, and you will make no mistake in selecting this size. It is built for hard steady use, year in and year out, will last longer than the smaller sizes because it does the work quicker, and is stronger and more substantial. The gearing and shafting are extra heavy and the bearings are long, giving plenty of wearing surface and thus insuring great durability. It has our sanitary all steel bowl, seamless one-piece no-splash supply tank and all the latest improvements.

It Skims Warm or Cold Milk to perfection, gives you smooth pure aerated cream, free from froth and in the very best condition for shipping or for making butter at home. Our patented cream exit permits a range of cream regulation impossible in other separators and enables you to skim a very light or an extra heavy cream as desired. The cream screw is heavy and durable and not to be compared with the weak, easily damaged regulating screws common in nearly all other separators.

If You Are a Business Dairyman and have a medium or large size herd of cows and want the best and most economical separator that money can buy, we by all means advise you to select this size. It will readily take care of the extra large milk flow at certain seasons of the year, does any skimming quickly because of its big capacity, and runs so easily that you can handle a large quantity of milk without the use of power to run it, if desired.

Separators of This Size and capacity are usually priced by agents and retail dealers at \$90.00 to \$100.00, and even at these excessive prices the sale has been very large owing to the need of a separator that will handle large quantities of milk with dispatch.

At \$49.80, our factory to user price, this is the biggest bargain we have to offer. We save you \$40.00 to \$50.00 in money and when you run our machine in direct comparison with agents' best machines and match them in close skimming, easy running, strength of construction and fine workmanship, you will see yourself that the Economy King is the best in every way.

We Allow You Ten Weeks' Trial, giving you lots of time to put this big Economy King to every test. You are the sole judge and make your own decision in your own way. If you are not well pleased with it in every respect we ask you to return it at our expense, and we will at once send back all money paid us and pay all freight charges. We will also allow you a reasonable amount for reboxing and hauling to the depot, so that you are not put to a single cent of expense in making the test.

We Guarantee Safe Delivery also, and that the separator will reach you in the same perfect condition that it leaves our factory. In addition, every machine is covered by our lifelong guarantee against defects in material and workmanship.

Let Us Send You this big practical Economy King on these terms and see for yourself what a wonderful time saver and money maker it is for any dairyman. Remember, if you have more than ten or twelve cows this is the size to buy and the cheapest in the end, as it will last longer than the smaller sizes and saves time for you every day in the year. Do not delay. Send us your trial order today.

No. 23B108 New 1914 Economy King Cream Separator No. 8.
Capacity, 800 pounds of milk an hour. Shipping wt., 255 lbs. Price.....

\$49.80

Power Attachments No. 23B130 Friction Pulley for Economy King Cream Separator if operated by gasoline engine or other power. Size, 14 inches in diameter, 2-inch face. Is provided with ratchet and friction cone and is applied to crank shaft, replacing crank. Shipping weight, 30 pounds. Price.....\$2.75

FREIGHT AND EXPRESS RATES

Tables Showing the Freight and Express Rates per 100 Pounds on Goods Shipped From Bradley, Illinois, to a Number of Cities in Each State, These Cities Being Used by the Railroads as a Basis for Figuring Rates for All the Towns in the Immediate Vicinity of Each City.

Railroad Companies Figure Freight Rates With the Large Cities in Each State as a Basis.

All other towns located in the same part of the state as any one of these cities take practically the same rate or only a few cents per 100 pounds more or less than the rate to the larger city.

Please consult the following Table of Rates, considering it in connection with the classification of merchandise given to the right, and you will be able to determine easily almost exactly what the freight will amount to on any goods. If your station is not named in these tables; the rate to your station will be very nearly the same as the rate to the nearest city named.

Freight Charges Amount to Very Little.

Don't be afraid of freight or express charges. They never amount to much compared with what we save you. In fact, we guarantee that you will save money on every purchase after you pay the freight or express charges. No matter how far away you live we can still save you money on your purchase. If you do not find it so, you may return the goods to us at our expense and we will return your money and all transportation charges you paid. You will not lose a cent.

Classification of Merchandise for Freight Shipments.

You will notice in the Freight Rate Tables below there are four different rates quoted to each city, first class, second class, third class and fourth class. This is because the railroad companies base their rates on the kind of merchandise to be carried. In order, therefore, to give you an idea as to the rate which any kind of merchandise will take to your nearest city, we tell you here the kind of merchandise which takes the different classes of rates.

Railroads using the Western Classification classify merchandise as follows:

SECOND CLASS—Wood saw frames, disc harrows.

THIRD CLASS—Corn drills, corn planters, cotton planters, cultivators, harrows, hay presses, manure spreaders, plows (riding and walking), stalk cutters.

Railroads using the Southern Classification classify merchandise as follows:

SECOND CLASS—Corn drills, corn planters, cotton planters, cultivators (riding and walking), harrows, hay presses, manure spreaders, plows (riding and walking).

THIRD CLASS—Cultivators (riding and walking), manure spreaders, potato diggers, riding plows.

FOURTH CLASS—Hay presses, harrows, stalk cutters, walking plows.

Railroads using the Eastern Classification classify merchandise as follows:

SECOND CLASS—Corn drills, corn planters, cotton planters, cultivators (riding and walking), harrows, hay presses, manure spreaders, plows (riding and walking).

HOW TO FIGURE EXPRESS CHARGES.

First estimate the weight of goods you are ordering; then find the rate per 100 pounds by express to your nearest city in the Table of Rates below; then consult the following Scale of Express Charges, following the line for the weight of your goods to the column headed by your express rate per 100 pounds and the amount shown will be the express charges.

If the exact rate per 100 pounds is not shown in any of the headings of this scale, take the next higher rate shown and the express charges will be about the same as to your town.

SCALE OF EXPRESS CHARGES BASED ON THE RATE PER 100 POUNDS.

Rate per 100 lbs.	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00	\$8.00	\$9.00	\$10.00	\$11.50
Package of 1 lb.	.25	.25	.25	.25	.30	.30	.30	.30	.30	.30	.30
Package of 2 lbs.	.30	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35
Package of 5 lbs.	.40	.55	.65	.70	.75	.75	.80	.80	.80	.80	.80
Package of 10 lbs.	.45	.70	.80	1.00	1.10	1.15	1.20	1.25	1.35	1.40	1.40
Package of 15 lbs.	.45	.75	.90	1.10	1.25	1.35	1.50	1.60	1.75	2.00	2.15
Package of 20 lbs.	.50	.85	1.10	1.25	1.40	1.65	1.75	2.00	2.50	2.75	2.75
Package of 25 lbs.	.55	1.00	1.20	1.40	1.60	1.85	2.00	2.25	2.50	3.00	3.50
Package of 30 lbs.	.60	1.00	1.30	1.60	1.75	2.10	2.50	2.75	3.00	3.25	4.00
Package of 35 lbs.	.65	1.00	1.40	1.70	2.00	2.50	2.75	3.25	3.50	3.75	4.65
Package of 40 lbs.	.70	1.00	1.50	1.85	2.25	2.75	3.25	3.50	3.75	4.25	5.15
Package of 45 lbs.	.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	4.75	5.65

Your freight agent may be consulted for definite information upon your telling him the weight of the goods you want to buy. The weights are quoted in our catalog descriptions. If you want to know the freight charges on any item and prefer to write us before ordering, we will gladly give you the information desired.

When You Leave the Method of Shipment to Us.

When you leave the method of shipment to us we always choose the cheapest method, which with heavy goods like implements is nearly always freight. However, if your shipment is a repair part and you want it to arrive in the quickest possible time, it will be well to specify mail or express on your order, as parcel post and express shipments can be delivered much quicker than freight shipments.

Parcel post rates vary according to the distance, which is measured by the government zone system, each zone covering a certain number of miles from point of shipment. Your postmaster will tell you the parcel post zone in which your postoffice is located, measuring from Chicago, and he will also quote you the rates of postage; you will also find parcel post rates quoted in our General Catalog.

City	Freight Rates per 100 lbs.					Express per 100 lbs.	Freight Rates per 100 lbs.					Express per 100 lbs.		
	1st Class	2nd Class	3rd Class	4th Class	Express		1st Class	2nd Class	3rd Class	4th Class	Express			
ALABAMA														
Birmingham	\$1.14	\$0.99	\$0.80	\$0.62	\$ 3.50									
Brewton	1.50	1.24	1.02	.84	4.00									
Mobile	1.10	.90	.75	.58	4.00									
Montgomery	1.33	1.17	1.00	.77	3.75									
ARIZONA														
Phoenix	2.90	2.51	2.09	1.75	10.00									
Tucson	2.90	2.51	2.09	1.75	11.00									
ARKANSAS														
Arkansas City	1.30	1.09	.83	.64	4.00									
Fort Smith	1.30	1.11	.87	.69	3.75									
Hot Springs	1.55	1.32	1.05	.81	4.00									
Little Rock	1.20	1.01	.77	.59	3.50									
Tesarkana	1.47	1.27	1.08	.96	4.00									
CALIFORNIA														
Bakersfield	3.40	2.95	2.45	2.07	11.50									
Los Angeles	3.40	2.95	2.45	2.07	11.50									
San Francisco	3.40	2.95	2.45	2.07	11.50									
COLORADO														
Denver	1.80	1.45	1.10	.85	5.50									
Durango	3.20	2.70	2.15	1.60	8.50									
Grand Junction	2.45	2.07	1.72	1.39	8.00									
Julesburg	1.75	1.45	1.10	.85	4.75									
Leadville	2.45	2.07	1.72	1.39	7.75									
CONNECTICUT														
Hartford	.82	.71	.55	.39	3.00									
DELAWARE														
Dover	.75	.65	.50	.35	2.75									
Dist. of Columbia														
Washington	.72	.62	.47	.32	2.25									
FLORIDA														
Jacksonville	1.30	1.10	.97	.85	5.00									
Miami	2.27	1.97	1.74	1.55	7.25									
Pensacola	1.10	.90	.75	.58	4.25									
Tallahassee	1.82	1.57	1.35	1.08	5.25									
GEORGIA														
Atlanta	1.33	1.17	1.00	.78	3.75									
Macon	1.38	1.20	1.03	.80	4.25									
Savannah	1.30	1.10	.97	.85	5.00									
Waycross	1.70	1.46	1.29	1.05	5.00									
IDAHO														
Boise	2.81	2.41	2.00	1.65	10.00									
Pocatello	2.58	2.18	1.82	1.47	8.00									
ILLINOIS														
Cairo	.47	.38	.31	.24	1.75									
Joliet	.21	.17	.14	.11	.50									
Rock Island	.38	.30	.23	.19	1.25									
Springfield	.39	.31	.24	.20	1.00									
INDIANA														
Evansville	.40	.34	.25	.17	1.50									
Fort Wayne	.29	.25	.20	.14	.75									
Indianapolis	.32	.27	.22	.14	1.25									
Richmond	.36	.31	.23	.16	1.25									
South Bend	.22	.20	.17	.12	.60									
IOWA														
Des Moines	.60	.50	.40	.29	1.75									
Fort Dodge	.72	.54	.42	.30	1.75									
Sioux City	.80	.65	.45	.32	2.00									
KANSAS														
Dodge City	1.67	1.43	1.10	.85	4.50									
Great Bend	1.52	1.27	.99	.80	4.00									
Kansas City	.80	.65	.45	.32	2.00									
Topeka	1.09	.89	.64	.47	2.75									
Wichita	1.40	1.18	.91	.69	3.75									
KENTUCKY														
Frankfort	\$0.61	\$0.52	\$0.41	\$0.31	\$ 2.00									
Hopkinsville	.80	.65	.55	.46	2.50									
Louisville	.41	.35	.26	.18	1.50									
Morehead	.77	.65	.50	.35	2.25									
LOUISIANA														
Lake Charles	1.60	1.34	1.10	.93	4.75									
New Orleans	1.10	.90	.75	.58	3.75									
Shreveport	1.45	1.24	1.07	.88	4.25									
MAINE														
Bangor	.82	.71	.55	.39	3.25									
MARYLAND														
Baltimore	.72	.62	.47	.32	2.25									
Massachusetts														
Boston	.82	.71	.55	.39	2.50									
MICHIGAN														
Bessemer	.65	.55	.44	.28	2.00									
Detroit	.37	.32	.24	.16	1.25									
Grand Rapids	.33	.29	.22	.15	1.25									
Traverse City	.49	.42	.32	.24	1.75									
MINNESOTA														
Aitkin	1.03	.87	.69	.44	2.90									
Crookston	1.27	1.07	.84	.59	3.40									
Duluth	.65	.55	.44	.28	2.25									
Grand Rapids	.98	.82	.66	.44	3.00									
Minneapolis	.60	.50	.40	.25	2.00									
Winona	.50	.42	.33	.23	1.75									

David Bradley Little Jap Cultivator

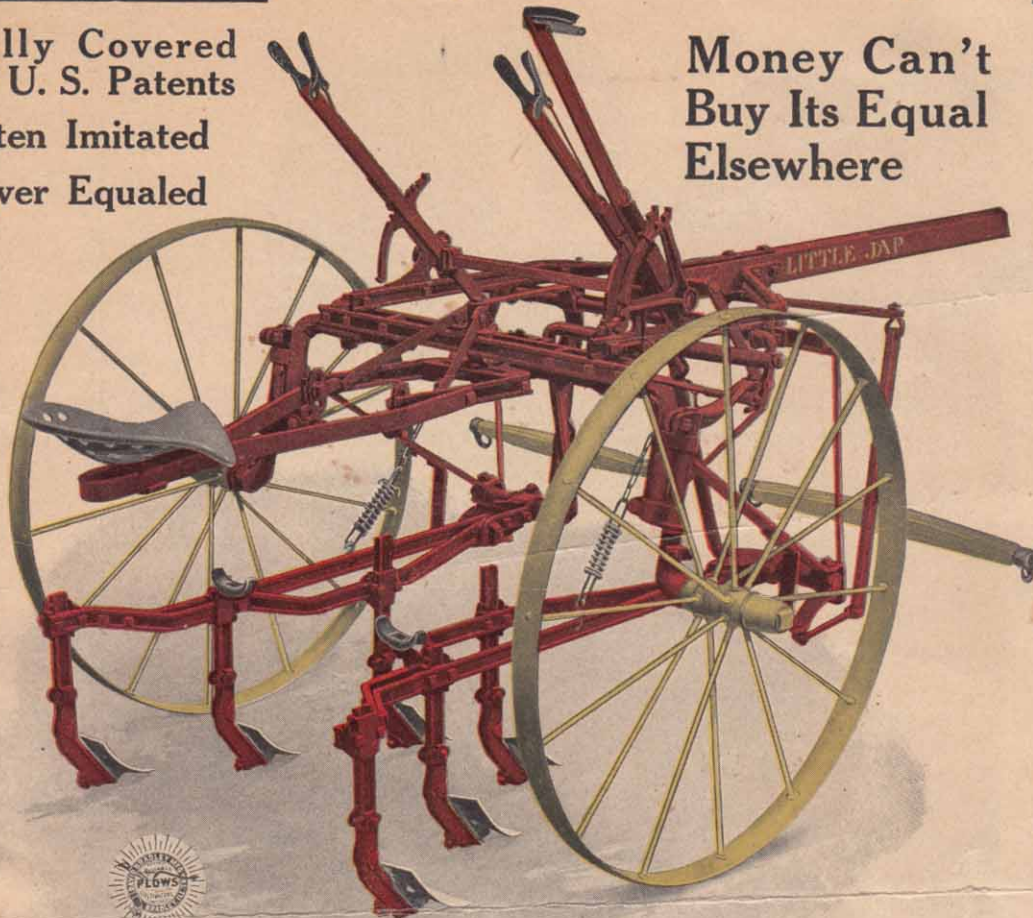
Fully Covered
By U. S. Patents
Often Imitated
Never Equaled

Money Can't
Buy Its Equal
Elsewhere

\$21²⁵

AND UP

See Pages 16, 17, 18.



*The Cultivator
With the
Famous
Instantaneous
Seat Bar
Dodging Lever*

*It Dodges
the
Crooked Rows*

David Bradley Ideal Disc Harrows

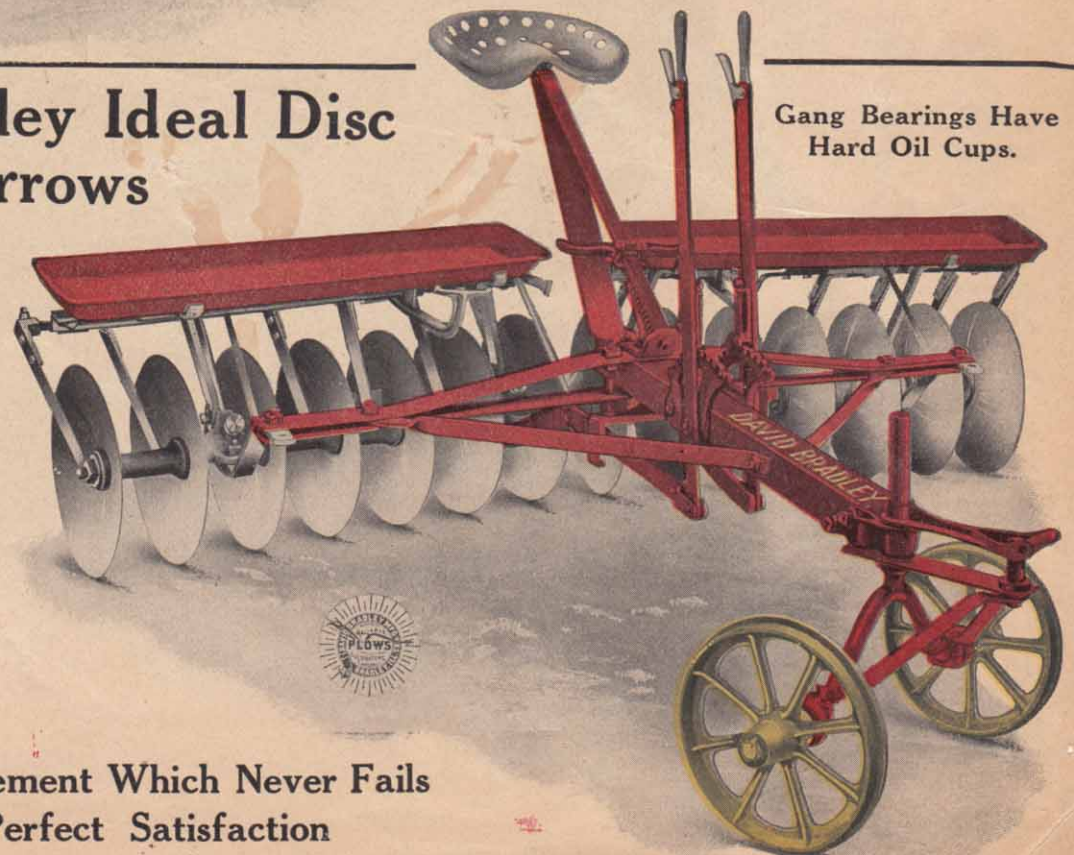
Strongly Built

Easy Running

*Convenient to
Handle*

See Page 11.

A High Class Implement Which Never Fails
to Give Perfect Satisfaction

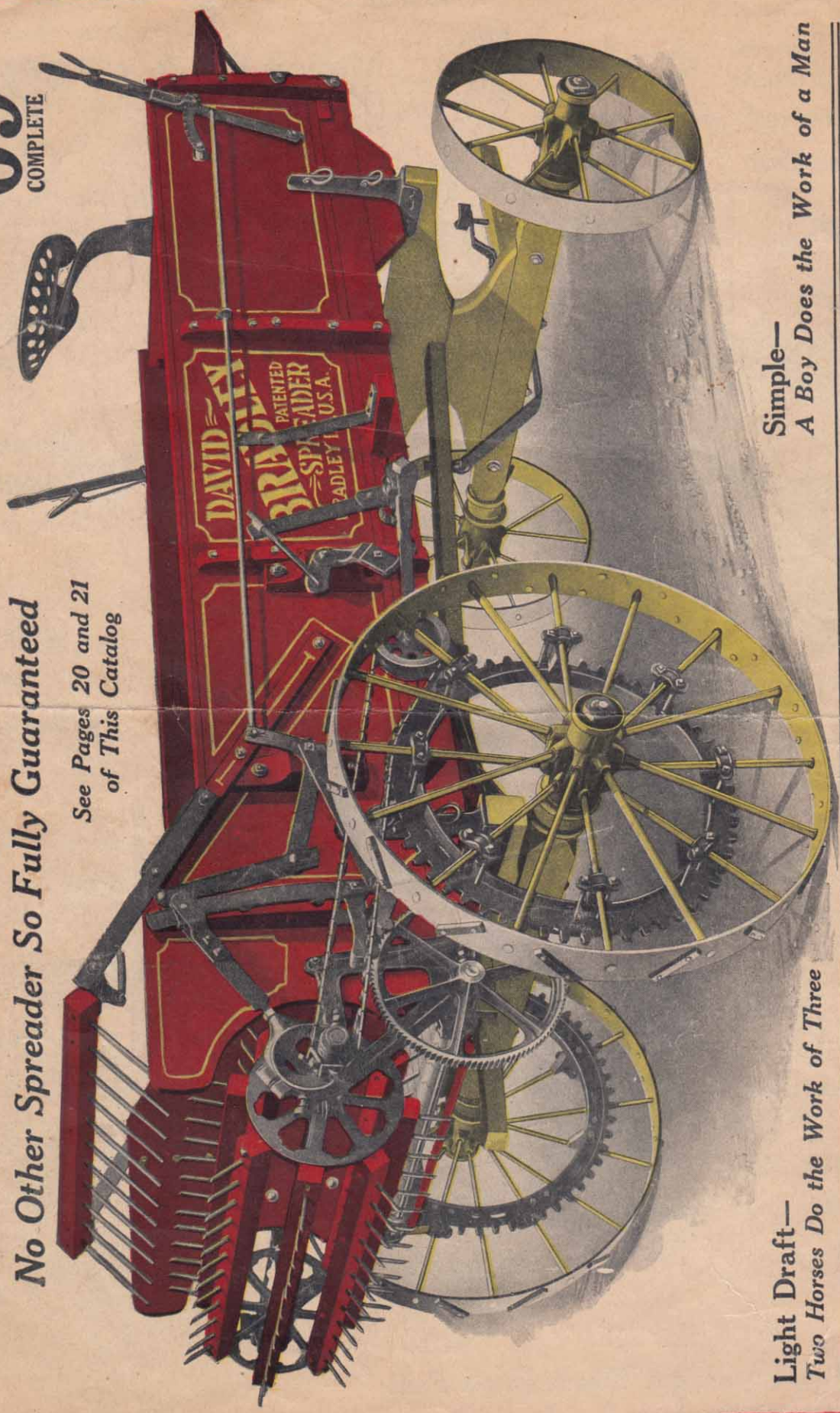


Gang Bearings Have
Hard Oil Cups.

1914 Model **David Bradley Manure Spreader** \$ **69**⁵⁰ COMPLETE

No Other Spreader So Fully Guaranteed

See Pages 20 and 21 of This Catalog



Light Draft—
Two Horses Do the Work of Three

Simple—
A Boy Does the Work of a Man

Manufactured and Sold Only by

SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS