

1901

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KEEP THIS BOOK WITH YOUR MACHINE.

DIRECTIONS FOR SETTING UP AND OPERATING

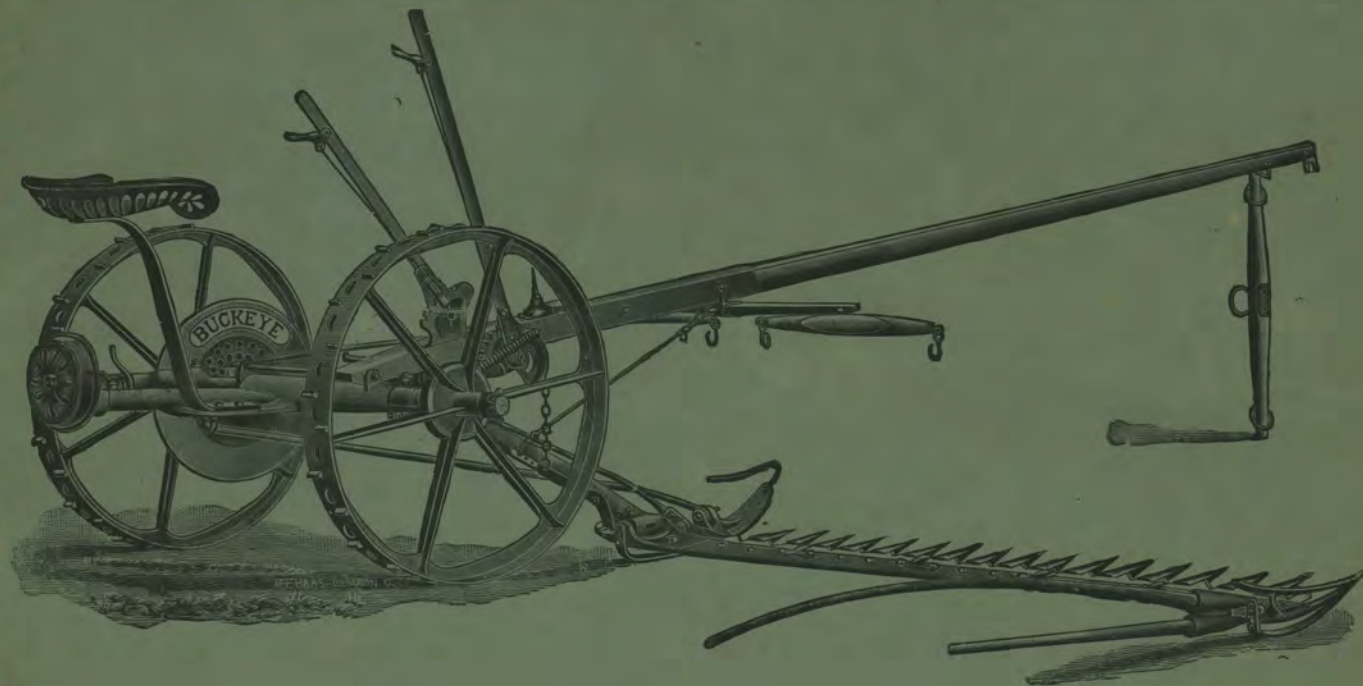


The
* **Buckeye**

FRAMELESS CHAIN-DRIVE
(OPEN-END ELEVATOR)

 **Binder**

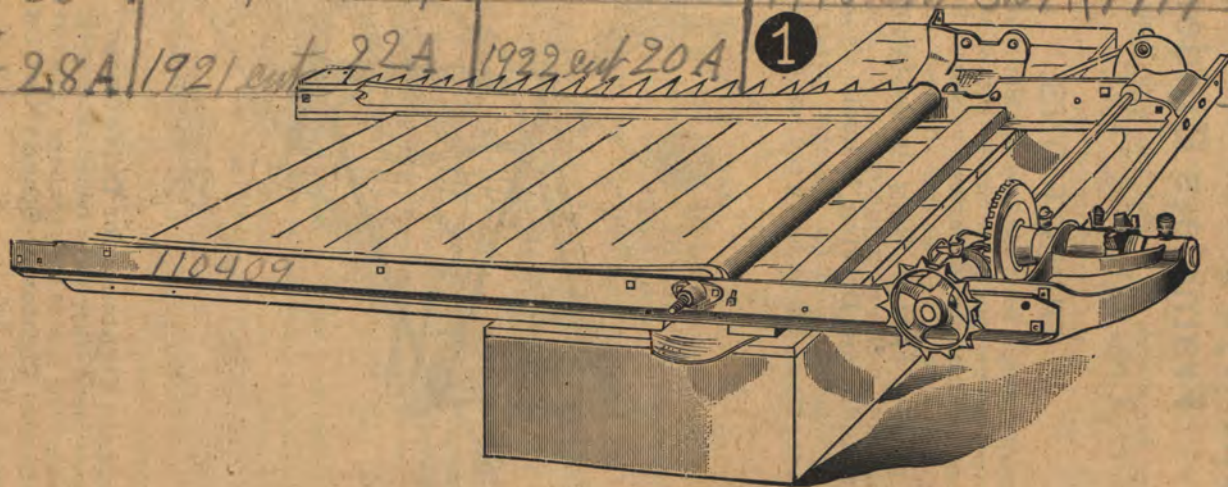
MANUFACTURED BY
AULTMAN, MILLER & CO.
AKRON, OHIO, U. S. A.



The Buckeye—The King of Mowers—A Model of Perfection.

1901 cut 33 A 1903 cut 50 A 1905 cut 36 A 1907 cut 38 A 1909 cut 40 A
 1902 cut 47 A 1904 cut 35 A 1906 cut 36 A 1908 cut 33 A 1910 cut 40 A
 1911 cut 38 A 1912 cut 33 A 1913 cut 33 A 1914 cut 36 A 1915 cut 37 A
 1916 cut 35 A 1917 cut 34 A 1918 cut 36 A 1919 cut 37 A
 1920 cut 28 A 1921 cut 22 A 1922 cut 20 A 1923 cut 38 A

Read Directions Carefully and you will get along all right and be saved much
 trouble and delay



The expert or person who sets up this machine should see that the purchaser or party who is to operate it, is with him, and instruct him on all points as he goes along.

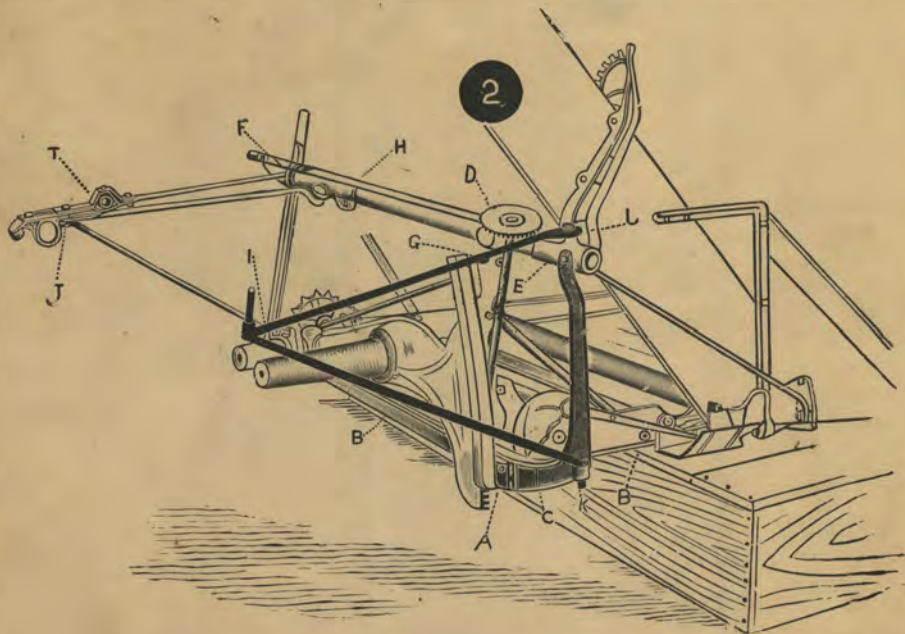
The Buckeye Elevator (Open End) Frameless Binder

Is shipped in five pieces, viz: Platform with Parts attached, Box of Parts, Binder Crate, Pole, and Driving Wheel.

DIRECTIONS.

Remove all the parts from the long box and binder crate, and lay them around so that any one piece may be picked up without handling others. Place the Platform on long box as shown in Fig. 1, then try the Gearing, Rollers, etc., and see that all these parts run free. Next attach the parts as shown in Fig. 2, in the following order; do not tighten up any nuts until further directed.

1st. Spindle for Driving Wheel (H792.) Place the rear forked end of Spindle against Gear Frame (H747) inside of oil cup next to Sprocket Wheel and let heavy end rest on the ground.



2d. Chain Tightener for Drive Chain. The Roller (H754) with Tightener Stand H977 to be bolted in slot near rear end of Drive Wheel Spindle. Be sure to have the large washer at *outer* end of Roller.

3d. Chain Tightener Stand (H827) with Roller. Bolt same in place on Back Bar.

4th. Oil Cups (No. 777). Put these in place in Gear Frame (H747) so that the Lid or Cap will open forward, and the one in Front Box (H746) so that the Cap will open toward the rear.

5th. Guide to Spindle (H793) and Support for Pole and Elevator Pipe (H748.) Place these parts in position as shown at "a," and seeing that the Spindle is in the Guide, then bolt the parts together. Do not draw nuts tight till later on.

6th. Brace from near top of Guide to inside of Front Bar, as shown at "bb," fastening lower end on inside of Finger Bar and upper end against the *front* of Guide toward the Tongue.

7th. Bolt Elevator Pipe as shown at "d," at same time putting on the long *Wrought Iron Brace* from Pipe to Gear Frame, bolting upper end with same bolt that holds Pipe to H793; bolt lower end of Rod to Gear Frame (H747). Leave nuts loose.

8th. Place H845 (**Front Support for Elevator and Tilting Lever Ratchet**) in position as shown at "e," at same time putting on brace from Front of Elevator Pipe to Shoe, leaving out bolt at Shoe end till later on.

9th. Rear Support for Elevator (H826) as shown at "f." (The lower end of this piece goes *inside* of Gear Frame, not outside) at same time placing on upper bolt the flat wrought brace, also the rear support (A320) for Binder Pipe and Packer Shaft (wrought piece with A276 attached). Leave nut loose until Shifting Lever Ratchet A275 is attached, as it goes on same bolt.

10th. Main Driving Chain. Put this in place on small Sprocket (H794) and let it hang loose on Spindle; it is then ready for the Wheel later on. In putting on this chain (as well as all other chains) be sure to see that the hook ends are on the outside and in the lead as shown in the illustration. This is very important as it will save the wear on the Chain and Sprockets. This Chain



at start is a little slack; in the course of a day's run or more of the machine it will become enough so to admit of the taking out of one link, remove the Chain Tightener (H977), run the chain off from Large Sprocket, then take out the link, replace all parts. The chain will then last the life of the machine.

11th. Hoisting Shaft. Remove Pinion from end of Shaft, then slide Shaft from rear through eye in rear Flat Brace and through eye in top of Spindle Guide H793; then replace Pinion, oil well the Spindle Guide and Worm, then by means of Hoisting Shaft raise the Spindle to top of Guide.

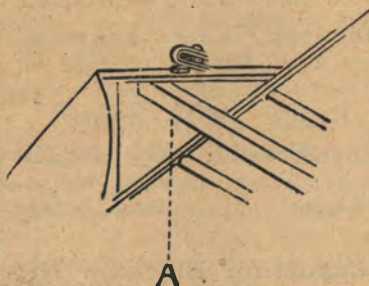
12th. Front Elevator Side. Place it in position and bolt lower end to shoe, and side of same to Front Support (H845), at same time putting *Line Guide* on upper bolt.

13th. Rear Elevator Side. Put it in place, at same time putting in the Canvas Rollers; be sure and put the *Short End of Shaft* of the upper or Large Roller to the front, then bolt the Tie Pieces to place and draw bolts up tight.

14th. Now tighten up the following Nuts and Bolts that have been left loose, commencing with Spindle Guide, Brace from Guide to Bar, Brace from Spindle Guide to Gear Frame, Bolt in lower end of Rear

Support to Elevator Pipe. Do not fail to *Set* every one of these Nuts with Cold Chisel.

15th. Seat Pipe Angle Iron that Supports Seat Pipe and Inside Divider. First fasten Seat Pipe to Rear Bar by placing Clasp H829 between Pipe and Bar, then at front end fasten Angle Iron to Shoe (putting in only lower bolt) and to Elevator Side, having End of Seat Pipe underneath Angle Iron, place Bracket H844 on top of end of Seat pipe and bolt underneath Angle Iron, cut). Next bolt together with Angel from Elevator 363) using the $2\frac{1}{4}$ Head bolt. Tight-Nuts at both ends the upper end of Iron using the 1 Head Bolt. These bolts found in Tool Box.) Then bend the lower corner of Sheet Iron under and close to Shoe, put on Short Wrought Iron Brace from Divider to Elevator Side.



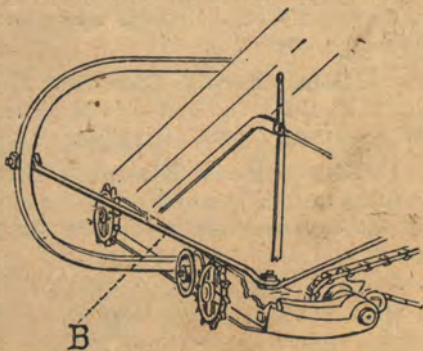
16th. Foot Rest and Support for Spring Seat (H846). Bolt same to Seat Pipe (leave front bolt loose till later on), at same time putting on Seat Spring, passing rear bolt through H839 on Rear Roller Bearing. Before fastening this latter in position put the Tie Piece in same and bolt it, also put Lower Roller in position, then secure all to place.

17th. Fulcrum (H952) and Rods to throw in and out of Gear. Take the two 5 16 rods and connect the longer of the two to the short end of lever in H952 and the other to the longer end of lever, then fasten H952 to the two bolts on Front Elevator Side, passing the upper rod underneath Angle Iron and above the Brace to Seat Pipe, remove Foot Rest H833 (to which H983 is attached), then connect Rod to H983, replace Foot Rest and bolt same fast, next remove Clutch Lever (H961) from Gear Frame, connect same to Long Rod, then replace Clutch Lever.

18th. Tilting Lever. Attach the same to Support (H845). Before putting in Key, insert in socket the end of wrought brace that goes from Support H845 to Seat Pipe; fasten other end to pipe.

19th. Wrought Brace. Put this in place from rear part and *inside* of Seat Pipe, to bolt through Gear Frame (H747) as shown at 'B' in cut.

20th. Fender Board. This Board, about seven inches wide, with sheet iron pieces at each end, is to be fastened to the lower edges of Elevator Sides about three inches above Front and Rear Supports. Be sure to put beveled edge up.



21st. Driving Wheel. Place it on Spindle and place Driving Chain on large sprocket H781, put on the Ferrule and secure it with Linch Pin. Use Castor or good Lard Oil on Spindle. *Do not put on Grease of any kind*, as it accumulates in lower part of oil hole and gums over, thus preventing the Oil when used from reaching the Spindle. The consequences are that Spindle runs dry, and if not discovered will soon commence to cut. The Spindle should be oiled frequently the first few days.

22d. Butter. Put same in place by sliding Butter Bracket A258 on shafts of Elevator Rollers at front end and bolting same to Elevator Side. Put the Small Sheet Iron Shield for A259 in place and tack it to Elevator Side.

23d. Cross Support (Wood with Sheet Iron) for upper end of Deck Boards. Bolt rear end to H915, then fasten front end of Support to A258; see that Sheet Iron on Cross Support is put underneath Sheet Iron on underside of Butter. Remove Butter Cap, put on Sheet Iron Shield on top of Butter, and replace Cap.

24th. Elevator Cap with Sheet Iron Shield. Bolt on A728 catch for Butter Shifting Lever, then place cap on top of Elevator between H840 and A258, putting Sheet Iron of same underneath Sheet Iron on top of Butter.

25th. Bow Brace. Put this in place from Shield (H915) to Guide (H840).

26th. Braces for Rear Binder Support. Take the larger of the two (A321), pass the hook end up through the eye in clasp on Pipe H944, as shown at "h," insert the end of the other brace (A324) in hole in Gear Frame, as shown at "i"; the two are now to be bolted to the Support as shown at "j," with the last mentioned brace underneath.

27th. Socket for Binder Drive Shaft with Sprocket (H945). Loosen clamp on Rear Support, then place Box A327 (with parts attached) underneath Clamp and bolt Clamp fast; insert Binder Drive Shaft into Socket A326.

28th. Binder Shifting Lever. Place the long round part of same between the two hook lugs on underside of A276, then pass the Lever around towards rear of Elevator so that the lever will go into the hook lugs, remove the Clip below Pawl (H889), then pass A275 (Shifting Lever Ratchet) down over handle of Shifting Lever to its place at the angle of Lever and fasten to same bolt that holds A320; replace Clip.

29th. Front Binder Support (A315). Place hook end of lower Fork in Hole in H748, as shown at "k," and eye of upper Fork over lug on H845, as shown at "l," and fasten with Key.

30th. Binder Attachment. Before lifting it into position, remove Support Bar H912 from Pipe, then insert the Pipe in socket in Center Support A303, then through Bracket A301 and into socket in Front Bracket A302, then replace Support Bar H912 and bolt same securely to Pipe. Place Attachment in position by inserting Pipe in Rear Bearing A276, and Eye in Front Bracket A302 over hook of Front Support A315; put on Binder Support Rod by hooking end of same over Lug on Upper Arm of Frame A293 and putting hook end in hole in top of Butter Bracket A258 and fasten same with Keys; insert Binder Drive Shaft into Socket in Double Crank; put in Pin and fasten with Key; remove Block on Breast Plate and bolt in same place Iron Cross Bar

with Grain Springs. Also bolt Wrought Guide Piece in end of Breast Plate and on top of Cross Bar. Oil all parts of Binder Attachment thoroughly, try them and see that they run free.

31st. Binder Shifting Link. Insert the end with longest hook in hole in Binder Pipe, and the other end in Shifting Lever; fasten to place with Keys.

32d. Cord Take-up (A729). Hang it in place on end of Front Bracket A302.

33d. Deck Boards. Put them in place; if the Bundle Carrier is to be used, the Wrought Support for same (H913) should be put in place by bolting same fast to support to compressor (A304) before Front Deck is secured; on the upper bolt put nut on top, and on lower bolt the nut goes underneath. The Rear Wrought Deck Support bolts to Deck and rests on Binder Pipe.

34th. Extension Board to Butter. Put it in place by passing the rod through Butter Frame and fasten with Key; attach Butter Shifting Lever by passing same through Catch A728 and fastening to Butter; put on Butter Canvas; be sure you see Oil Hole in the side of Larger Roller; the pinion underneath this needs frequent oiling.

35th. Stripper Iron. Place hook ends of lower arms of same in holes in lower end of Breast Plate (A291) and hook end of upper arm in hole in Knotter Frame (A283).

36th. Gears. Screw A259 to front end of Elevator Drive Roller, remove Butter Sprocket (A260), then put on Butter Chain, replace Sprocket and put in Key; (try the parts and see that they run free), slide Spur Gear (H998) in place on upper Roller (number next to machine) and secure same with Pin and Cotter.

37th. Shield for Reel Worm Gear. (H651.) First place Guide Lever (A240) on Shank of H651, driving it on tight; then place Worm Gear and parts on Roller Shaft, at same time putting in Worm (H285) and be sure to put Washer **back** of Worm; put in Key (Worm and Washer will be found in Tool Box), then bolt A240 fast.

38th. Cord Box. Fasten the **L** iron on Cord Box on lower end of bolt through front end of Seat Pipe, setting the Box on Brace and against Inside Divider.

39th. Reel Post (H903). Secure same to Support (H908) with the Pin found in place, also put on the Wrought Iron Brace leaving out upper bolt.

40th. Ratchet Reel Brace. Insert Ratchet end in Fulcrum H846 on Seat Pipe and fasten other end in Slot in Reel Post using upper bolt to Reel Post Brace.

41st. Lever to Raise and Lower Reel. Attach the same to top of Reel Post and fasten with Key.

42d. Reel Spider and Shaft. Place the Reel Spider on Reel Pipe, then insert Reel Shaft (Iron) from inner side, and secure same with bolt, then bolt on Arms and Fans, adjusting the Fans so they will clear Inside Divider $\frac{1}{4}$ inch, use the bolts with washers on for the Fans, next place the Knuckle Shaft H978 into H979 and couple same to Reel Shaft.

43d. Support for Back Board. Attach H825 to Back Bar near Sprocket H719, and H824 at outer end of Back Bar, then fasten Back Board at inner end.

44th. Outside Divider. Take Strap Iron (found in tool box) and bolt same to under side of outer end of platform, then attach Lower Truss Bar (H868) to Front and Back Bar, next attach Nose Point (H874) to Front Bar, bolt Switch Wheel Guide (H968) with parts attached between Strap Iron and Lower Truss Bar, next bolt Upper Truss Bar (H867) to H874 and H968, also bolt same at rear end together with Back Board, remove Bearing for Worm Shaft (H970) from Upper Truss Bar and slide same over end of shaft and again bolt in place, then put on Divider Board; before bolting fast to H968 put on same bolt and underneath Board the curved Divider Rod, attach long Fender Rod (H869), then put Switch Wheel Ferrule (H139) in Wheel with *large* end next to machine, attach Wheel (H137) to Slide (H967) with flat side of Spokes next to machine.

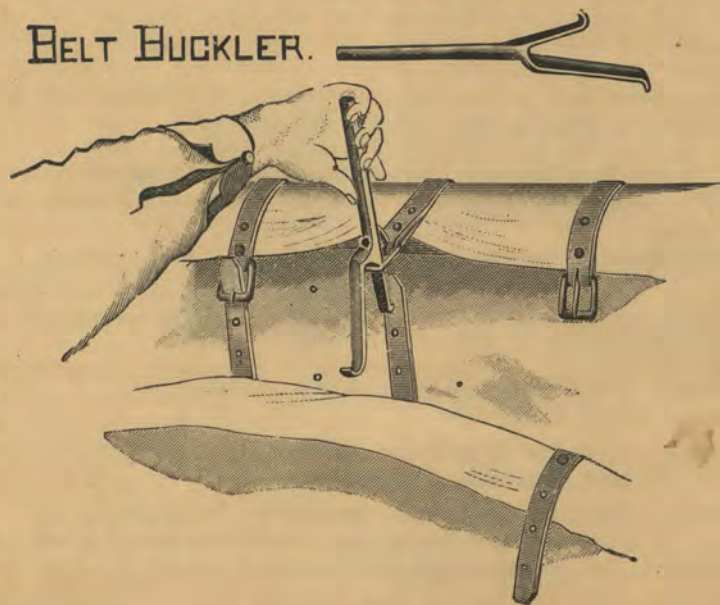
45th. Sprocket (H768). Put it on Upper Elevator Roller with number *next* to machine, and H719 on Platform Roller with number *out*, then put on Long Drive Chain, 97 links, H298.

46th. Tool Box. Place it the long way (so that the *Lid* will open forward) between Rear Support (A320) and Brace (A321) and fasten it to A320 with Wrought Hook, found in Box.

47th. Step (H891). Bolt same in place at rear of Seat Pipe.

48th. Elevator Brace Rod. Put it in place by passing screw end through hole in Bracket (H839) and bolting upper end to Front Elevator Side near Upper Roller.

49th. Canvases. Put them on so that the lap of the canvas will follow. Use the Belt Buckler to tighten them, as shown in cut.



CAUTION.--In case the canvases are wet, either by rain or dew, they should be slackened to prevent breakage of straps and wear of rollers. They should only be tight enough to do their work; anything more unnecessarily increases draft and wear.

50th. Pole. Insert lug on Pole Hinge (H843) in hole in Support (H748). To do this it is necessary to carry the Pole around nearly in line with Platform ; then connect and carry Pole to proper place.

51st. Support for Tongue Brace (H947). Fasten same to Pole with bolts found in same, putting Stay Chain on front bolt.

52d. Tongue Brace. Hook lower end in eye in Shoe and insert other end in socket of H947.

53d. Tilting Brace. Attach upper end to Tilting Lever, take Link (found in Tool Box) and pass over the lower ends of Tilting Brace, then spreading the latter apart pass down over Tongue and onto ends of Pin which is in Tongue, then push Link down tight.

54th. Doubletree and Singletrees. Put these together with the Wrought Strap Iron Connections, putting the bolts on Doubletrees through from underside. When Three Horse Evener is used, these straps should be bolted into inner holes.

55th. Support for Wind Canvas. Bolt same to Seat Pipe back of Seat Spring, then attach Wind Canvas.

56th. Wind Board. Attach same to place.

THREADING THE NEEDLE.

Take two balls of cord, put one into the Cord Box; take the end of the cord from the *center* of this ball, and tie it to the *outside* end of the second ball, making as small a knot as possible ; draw the end of the cord from the *center* of the second ball (and placing the cord in the box) pass it through the tension on cover of Cord Box, then through the upper and lower eyes in cord take-up (A729), and through cord guide A271 on end of Bracket (A301), then through eye in center of needle, and up through long eye, and down through point of needle ; trip the Binder, and holding the cord with the right hand, with the left make one revolution of the Discharge Arm when the cord will be taken by the Cord Holder.

CAUTION.—The Binder is carefully adjusted before it is packed and should require no change of adjustment before being set to work. If, however, at any time the Knotter fails to make the tie, the place to look for the cause is :

First.—The threading of the Needle. Examine this and see that you have followed directions.

Second.—Examine your twine to see that it runs freely from the center of the ball without knots or kinks.

Third.—Examine the point of the needle. It should be sharp and smooth. If blunt or rough, it may cause trouble by carrying straw into the Knotter. To remedy any defect here use a fine file or whetstone.

Fourth.—The cord may be held too tight, or not tight enough, by the Cord Holder. If it pulls out easily by drawing on it with the hands (it being over the Knotter and Hook same as a bundle would draw), the spring must be tightened ; if it is held so tight that it will break before it draws out, it is too tight, and spring must be loosened.

Fifth.—Care must be taken to make proper tension by adjusting the tension spring on cord box. Do not make it too tight at first.

REMARKS.—When all of the above clauses have been closely followed, the Binder may then miss some bundles, as paint is liable to get into the eyes through which the cord passes, thus making them rough and gummy, causing the cord to pull hard. This will wear off in a short time, when it will run smooth and easy ; it may then require more tension on Spring on Cord Box.

THE BEARINGS MUST BE KEPT WELL OILED.

Oil of the best quality should be used freely on Drive Wheel Spindle, all bearings, rollers, etc. And remember that where the motion of the parts is rapid, there will be more frequent need of oil.

If your machine runs hard you may be sure that either the knives are dull or the bearings need oiling. The crank-shaft bearings, connecting rod, and heel of inside shoe should be oiled often. Good sperm or No. 1 lard oil should be used. If your oil becomes gummy, add about one-third coal oil, such as is used in lamps. A little coal oil should be used occasionally to clean the bearings, and especially at the beginning of each season's work, to remove the dried-up oil left on the machine from last season ; but *kerosene must not be depended on as a lubricator.*

PRACTICAL HINTS.

Oil all Gears and Gear Chains frequently, as well as all journals, knife-heads and other movable parts, remembering that where there is most rapid motion there is the most need of oil.

Castor Oil is by far the best oil to use, and we consider it fully as cheap, as the quantity required is far less.

See that all Nuts and Bolts are kept drawn up snug and hold parts firmly in place. Where Iron is bolted against Iron, the *Nuts* should be *Set* to prevent their working loose. No machine can prove durable if the operator neglects this important matter or fails to use oil liberally and judiciously.

All Gear Chains should be run with a little slack. If drawn too tight, the draft of the machine will be greatly increased.

In case boxes heat, fill the oil cups with tallow ; prick a hole through it to shaft, and when melted, repeat.

A little wool tucked into exposed holes to keep out the dust will save bearings.

Time and care thus spent will be well rewarded by the quantity and quality of the work done, and the durability of machine, and ease of draft on your horses.

GENERAL DIRECTIONS.

In setting up the machine, great care should be taken to see that the running parts are made to move freely. This should be done by trying each moving part, if it can be done, separately from the rest, and always after it is put in place, before attaching another part. If it ran freely before, and tight after, it shows at once that the part last attached in some way caused the difficulty, which of course must be corrected before going further.

 **Good oil is easily made from Lard, by melting and letting it stand in a warm place or in the sun, until the heavier solid particles settle to the bottom. Pour off the top carefully and repeat the process.**

 **Don't forget the Driving and Grain Wheels. When a man buys a new wagon he is careful to oil the axles every day for the first month. If he fails to do this and cuts out a box, he does not expect repairs without paying for them. Remember that your machine is put to heavy work from the first and these parts need frequent oiling.**

TO PUT ON BUNDLE CARRIER.

Hook Hanger (H905), which is attached to carrier, into support (H913), connect long Rod (to which chain is attached) in the upper hole of Support Rod to Carrier, then connect Support Rod to Clip (H914) by putting hook on end of Clip through next hole in Support Rod; then connect upper end of Support Rod to Binder Frame by passing screw bolt of Rod through hole at upper part of Binder Frame and fasten with nut, pass the Chain attached to long rod round Roller in Bracket (H844) and connect same to wrought link on lever (H831), fasten it so that when the Carrier is up in position the Lever (H831) will be back in line with chain; this will prevent its dumping until released by the Foot Lever; next take Brace Rod and place the loop end of same into eye at end of Support (H912), then pass hook at other end down through Socket in Fulcrum (H904) and fasten with Key.

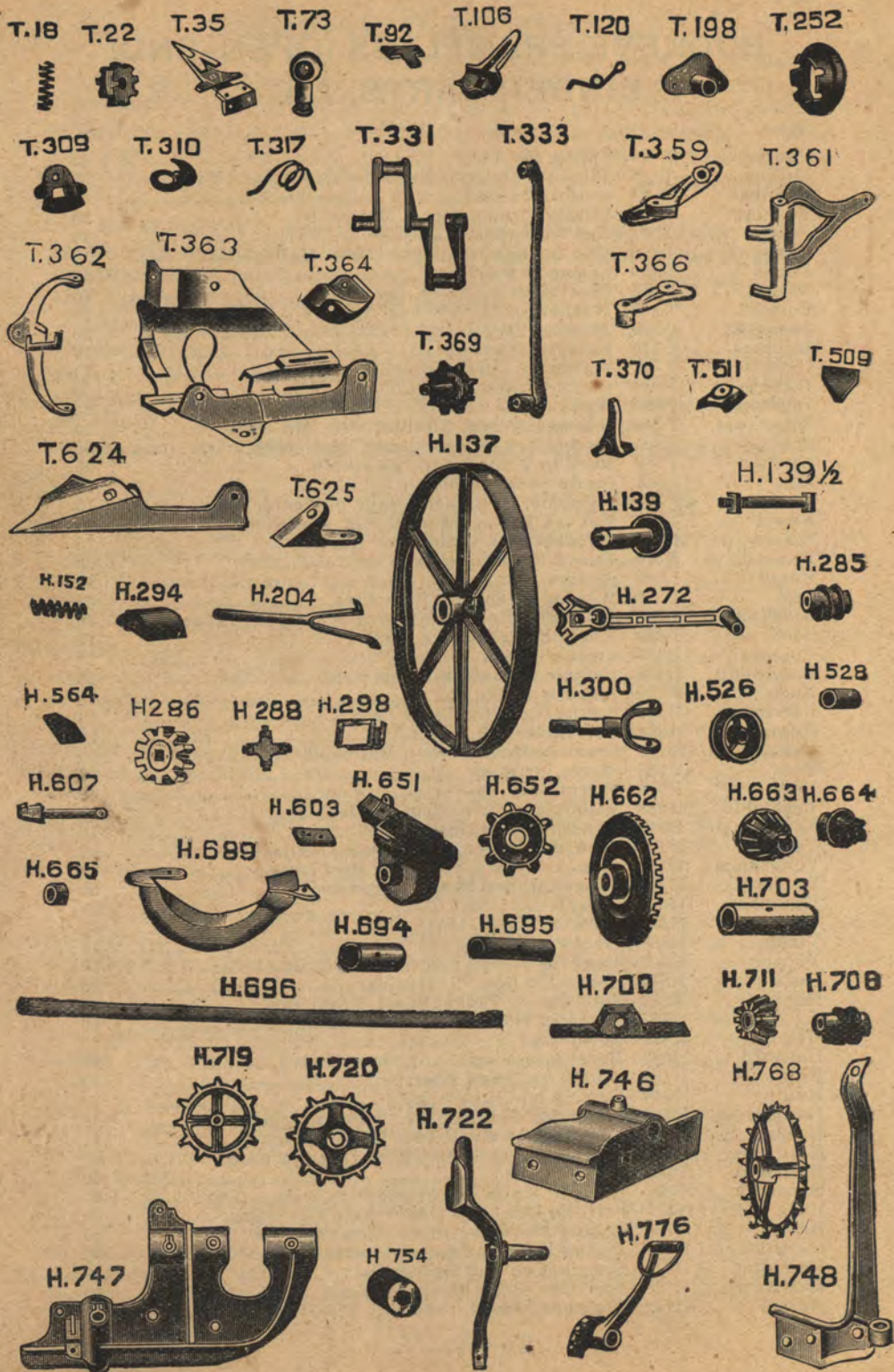
BINDER TRUCK.

To load the machine on same, raise the machine as high as it will go, then take Left Hand Spindle (BT27) and place hook end of same over Cross Bar, then pass the Pin on other end up through hole in Back Bar and put in Key, then put on Wheel, remove the Pole from machine and put Right Hand Spindle (BT26) in place by hooking small end over Cross Bar and bolting it to support (H748) in hole where tongue casting goes, keep large washer next to head of bolt, put on Wheel, next pass the Tongue between the spokes of Switch Wheel (at the place where Chair is formed for Tongue) and underneath Platform, passing the wrought piece on Tongue into slot in Center Angle Support for Platform, raise the Switch Wheel up *tight* against Pole, and raise the Bull Wheel to full height so as to avoid any obstruction.

Oil Can Holder and Clasp on Pole for Truck (H900).
Bolt this on Pole with number on casting to the front, with Lug of same on top of rear part of Hammer Strap (taking the same bolt) so that when Pole is used in connection with Truck the clasp will fit to Lower Truss Bar of Outside Divider.

BUCKEYE FRAMELESS (OPEN-END) BINDER PARTS, 1901.

Signal.			Price.
Fading	T 18	Spring for A246.....	\$ 0 05
Failing	T 22	Pinion, Spur, for Binder, with T120 and T370.....	75
Familiar	T 35	Guard, Malleable, with Ledger Plate	30
Federal	T 73	Binder Pitman Head, Malleable.....	30
Fervor	T 92	Cap for Sickle, Malleable.....	10
Figment	T 106	Clip for Bundle-Carrier Rods, Malleable.....	15
Finish	T 120	Spring to Pawl 370.....	10
Fluent	T 198	Bearing to Roller on Back Bar.....	25
Fought	T 252	Washer for Drive Wheel Spindle.....	20
Impetus	T 309	Tension Plate	20
Impious	T 310	Lever to Tension.....	10
Impulse	T 317	Spring for Cord Tension.....	10
Incense	T 331	Double Crank, Malleable	1 50
Incision	T 333	Pitman	1 25
Kinsman	T 359	Bracket to Rear Elevator Side, Malleable.....	15
Kissing	T 361	Half Hinge to Wind Board, Malleable.....	35
Kitchen	T 362	Rack to Wind Board, Malleable.....	25
Kite	T 363	Inside Shoe, Malleable.....	2 25
Kittish	T 364	Tightener to Binder Chain, Malleable	15
Knack	T 366	Box for Top of Butter Roller, Malleable.....	10
Knave	T 369	Sprocket with Ratchet on Binder	75
Knavish	T 370	Pawl for Spur Pinion, T 22.....	20
Fuzzy	T 509	Section, Sickle.....	10
Gad	T 511	Washer on Bolt through Pipe.....	05
Glowing	T 624	Clasp and Nose Point for Rye Divider, Malleable...	40
Glut	T 625	Angle Brace for Rye Divider	10
Rogue	H137	Switch Wheel	2 25
Rogueship	H139	Ferrule for Switch Wheel	25
Roguishly	H139½	Bolt for H139.....	20
Rondeau	H152	Spring, Coil, for Lever Pawl	10
Rump	H204	Belt Buckler	20
Varicose	H272	Crank to Move Binder, Malleable	40
Vault	H285	Worm for Reel	30
Veal	H286	Worm Gear, 10 Teeth.....	40
Vegetable	H288	Knuckle to Drive Reel, Malleable.....	15
Velocity	H294	Cap for Worm Gear, Shield.....	10
Venerate	H298	Link, Harvester, Drive Chain, Malleable.....	02
Vengeance	H300	Knuckle Shaft, Short, for Reel Gear.....	60
Vespers	H526	Sheave Roller, Chain Tightener.....	30
Vestment	H528	Ferrule for Crank D615.....	40
Vigilant	H564	Section, Blank, Heel	10
Vixen	H603	Heel Plate (Thin)	10
Vocalic	H607	Pawl for Tilting and Reel Lever Ratchets	10
Hackle	H651	Shield for Reel Worm Gear.....	75
Hackney	H652	Sprocket on Packer Shaft, Front End.....	30
	H657	Shaft for H662.....	1 00
Hag	H662	Bevel Gear	1 25
Haggard	H663	Bevel Pinion on Crank Shaft.....	60
Hail	H664	Clutch on Crank Shaft.....	40
Hailing	H655	Ferrule on Crank Shaft.....	10
Happen	H689	Shield for Bevel Gear and Pinion, Malleable.....	40
Harden	H694	Ferrule for Gear Frame H747 (Brass).....	50
Hardness	H695	Ferrule for H746 and H747 (Brass) 2 used.....	60
Hardship	H696	Crank Shaft.....	1 50
Harmonic	H700	Heel for Knife and Sickle with Plate.....	1 00
Harp	H703	Ferrule, Long, for Gear Frame H747 (Brass).....	60
Harris	H706	Lifting Worm for Drive Wheel Spindle	50
Hartford	H711	Pinion Bevel to raise and lower Machine.....	50
Hatching	H719	Sprocket on Platform Roller.....	50
Hatchway	H720	Sprocket, Rear, on Crank Shaft.....	60
Hatred	H722	Tightener Stand, used with Flax Dump, Malleable	50



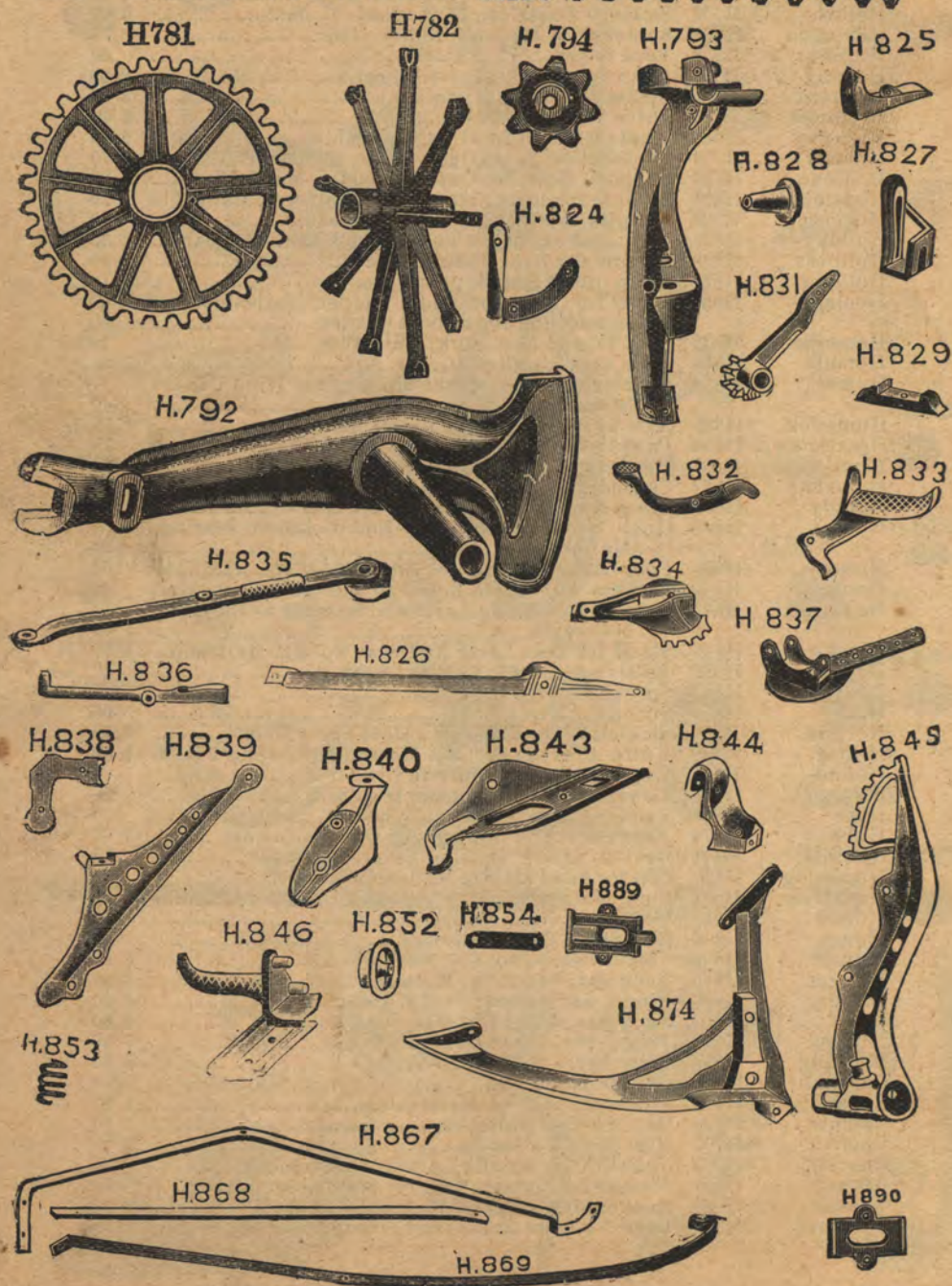
Signal.			Price.
Hearty	H746	Box, Front, for Crank Shaft.....	\$ 2 00
Heathen	H747	Frame for Gear with 3 Ferrules.....	3 25
Heaven	H748	Support for Pole and Elevator Pipe, Malleable.....	1 00
Hedge	H754	Roller Tightener for Main Drive Chain.....	15
Heedless	H756	Flax Knife (5 Foot Cut), 20 Sections	4 00
Heifer	H757	Flax Knife (7 Foot Cut), 28 Sections	5 00
Heiress	H758	Sickle (5 Foot Cut), 20 Sections.....	4 00
Hellish	H759	Sickle (7 Foot Cut), 28 Sections.....	5 00
Heptagon	H768	Sprocket on Elevator Roller, Rear.....	75
Hermit	H776	Foot Lever	50
Herring	H781	Main Sprocket on Drive Wheel.....	2 00
Hesitant	H782	Spider for Drive Wheel.....	3 00
Highness	H792	Drive Wheel Spindle.....	5 00
Highway	H793	Guide for Spindle H792, Malleable.....	2 50
Hilarity	H794	Sprocket on Bevel Gear Shaft, Malleable.....	75
Hodman	H824	Support, Rear, for Outside Divider, Malleable.....	25
Hogan	H825	Bracket for Rear Extension to Platform, Malleable	20
Hoggish	H826	Support to Elevator, Rear, Malleable.....	50
Holiday	H827	Tightener Stand for Rear Drive Chain, Malleable..	30
Holiness	H828	Ferrule for Rear Chain Roller	10
Holland	H829	Clasp under Seat Support, Rear	10
Homage	H831	Lever for Chain to Bundle Carrier, Malleable.....	40
		Chain and Rod for Bundle Carrier	50
Homeless	H832	Foot Trip to Reel Fork, Malleable	10
Homely	H833	Foot Rest, Malleable.....	25
Homer	H834	Bearing to Arm on Seat Support for Wind Canvas	
		Malleable.....	40
Homesick	H835	Arm to Wind Canvas, Malleable.....	75
Homespun	H836	Pawl to Wind Canvas Arm, Malleable	15
Homeward	H837	Lever on Wind Canvas, Malleable.....	30
Homicide	H838	Corner Iron for Wind Canvas Frame, Malleable.....	10
Homily	H839	Bracket to Support Rear Roller Bearing, Malleable	65
Honest	H840	Guide to Canvas on Upper End of Roller Bearing,	
		Malleable	30
Honor	H843	Pole Hinge, Malleable.....	50
Honored	H844	Bracket with Chain Roller to Bundle Carrier, Mall	40
Honoring	H845	Ratchet for Tilting Lever, and Support to Elevator,	
		Malleable.....	1 50
Hood	H846	Stand for Foot Lever and Seat Spring, Malleable..	1 00
Hopper	H852	Roller for Bundle Carrier Chain	15
Hopping	H853	Spring for Trip H832.....	05
Horde	H854	Spring for Pawl H836.....	05
Horizon	H856	Sickle 25 Sec. T509 and 1 H564 and 1 H603.....	4 50
Horror	H859	Knife, Flax, 25 Sec. No. 675 and 1 H564 and 1 H603	4 50
Hound	H867	Upper Truss Bar, Outside Divider.....	1 00
Hour	H868	Lower Truss Bar, Outside Divider.....	50
Hose	H869	Fender Brace for Switch Wheel.....	75
Hubbub	H874	Nose Point and Support for Outside Divider.....	1 50
Humbug	H889	Pawl on Binder Shifting Lever, Malleable.....	15
Humming	H890	Cap for Pawl (H889), Malleable	10
Humorist	H891	Step, Malleable.....	25
Humor	H892	Reel Shaft Box, Malleable.....	50
Hump	H893	Reel Shaft Clip, Malleable.....	15
Hunch	H894	Finger Bar, 5-foot Cut Machine	5 00
Hunger	H895	Back Bar, 5-foot Cut Machine.....	3 00
Hungry	H896	Finger Bar, 6-foot Cut Machine.....	6 00
Hunt	H897	Back Bar, 6-foot Cut Machine.....	4 00
Hunter	H898	Finger Bar, 7-foot Cut Machine.....	7 00
Hunting	H899	Back Bar, 7-foot Cut Machine.....	5 00
Cheerful	H900	Oil Can Holder and Clasp for Truck, Malleable....	20
Cheering	H901	Fulcrum for Reel Malleable.....	1 25
Chemist	H902	Reel Spider, Malleable	1 75
Cherish	H903	Reel Post, Malleable.....	2 50
Cherub	H904	Fulcrum for Bundle Carrier, Malleable.....	30
Chess	H905	Hanger for Bundle Carrier, Malleable.....	75
Chester	H906	Reel Shaft Knuckle, Malleable.....	25
Chestnut	H907	Lever for Pawl on Reel and Tilting Levers, Malleable	25

SICKLE

H.758 — 5-Foot Cut 20 Sec — H 856 — 6-Foot Cut—H.759 7-Ft. Cut.

FLAX KNIFE

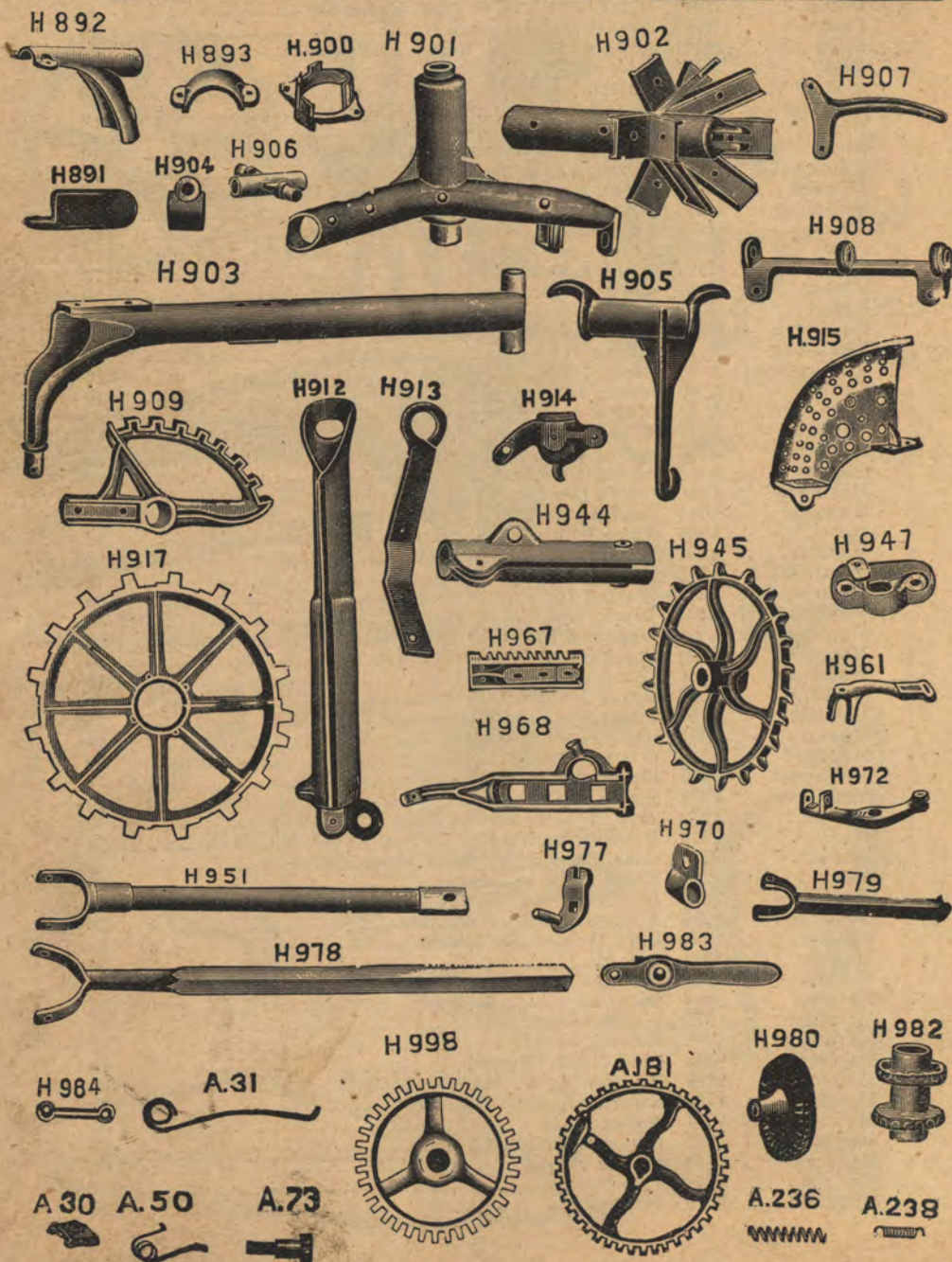
H.756 — 5-Foot Cut — 20-Sec—H 859 - 6Foot Cut—H.757 7-Ft.Cut.



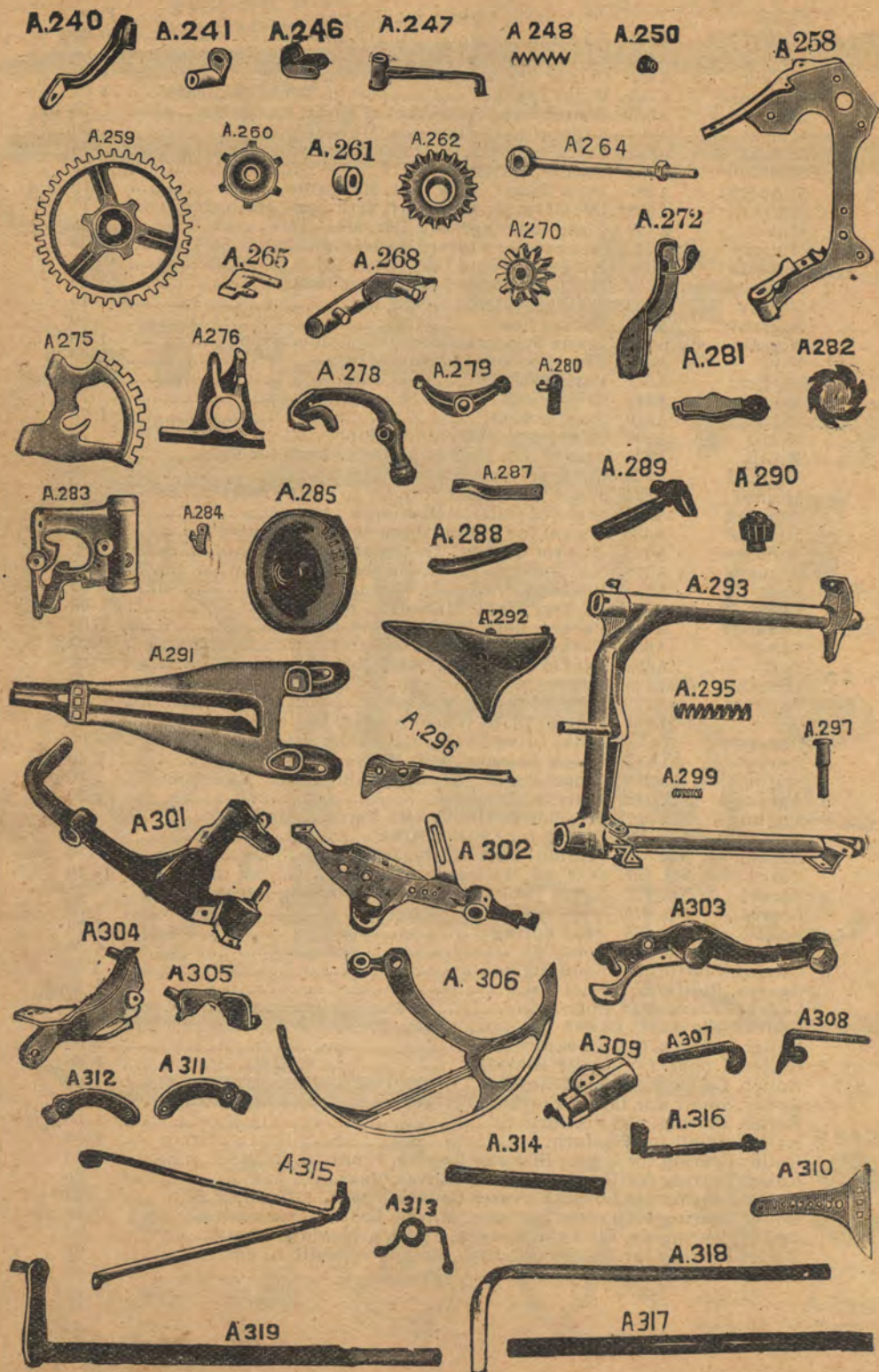
Signal.			Price.
Chicken	H908	Support for Reel Post, Malleable	\$ 0 65
Chide	H909	Ratchet for Reel Lever, Malleable.....	75
Chieftain	H912	Support for Binder Pipe, Malleable.....	60
Child	H913	Support for Bundle Carrier, Wrought Iron.....	50
Childish	H914	Hook Clip for Bundle Carrier, Malleable.....	25
Childless	H915	Shield and Support to Wind Board, Malleable	50
Chilly	H917	Sprocket for Steel Bull Wheel.....	2 00
Citron	H944	Clasp on Elevator Pipe, Malleable	40
Civilian	H945	Binder Drive Sprocket.....	1 25
Clam	H947	Support for Pole Brace, Malleable.....	30
Clan	H951	Reel Shaft (Iron).....	75
Clatter	H961	Clutch Lever, Malleable	40
Clement	H967	Slide for Switch Wheel, Malleable.....	75
Clergy	H968	Guide for H967, Malleable	1 75
Cliff	H970	Bearing for Worm Shaft, Malleable.....	10
Climax	H972	Tilting Lever Casting, Malleable.....	75
Clinker	H977	Stand for Tightener Roller (Main Drive Chain) Mall	25
Clipping	H978	Knuckle Shaft for Reel Coupling.....	1 00
Cloak	H979	Sleeve for Knuckle Shaft, Malleable.....	50
Clod	H980	Bevel Gear to Raise and Lower Machine	75
Closet	H982	Hub for Steel Wheel.....	1 75
Cloven	H983	Lever to throw in and out of Gear, Malleable.....	20
Cloud	H984	Lug for Steel Bull Wheel.....	25
Coaxed	H998	Spur Gear on Upper Elevator Roller.....	75
Tantalize	A 30	Spring Wire Clip for A31.....	05
Tantamount	A 31	Spring, Grain Check.....	15
Taunt	A 50	Spring for Butter Catch.....	10
Tenacious	A 73	Stud Bolt, Knife Arm.....	20
Tutoring	A181	Wheel, Spur, with A246 and T18	2 00
Margrave	A236	Spring for Compressor.....	20
Marion	A238	Spring for Latch A305	10
Marmont	A240	Guide Lever to Worm Gear Shield, Malleable.....	30
Maroon	A241	Bearing to Lock Lever, Malleable.....	15
Marsh	A246	False Tooth to Spur Wheel, Malleable	10
Martin	A247	Packer Link, Right and Left, Malleable	20
Martinet	A248	Spring for Wind Board	10
Mashing	A250	Washer for Trip Spring.....	05
Mastodon	A258	Bracket to Butter Gear	1 50
Match	A259	Gear and Sprocket on Elevator Drive Roller.....	1 00
Matchless	A260	Sprocket on Butter Bracket	30
Maternal	A261	Compressor Roller.....	10
Matting	A262	Bevel Gear on Butter Bracket	50
Maturing	A264	Pitman to Binder (Wrought Part)	75
Maxim	A265	Switch on Compressor Bar.....	10
Meager	A268	Compressor Bar.....	50
Meanness	A270	Pinion for Butter Roller	30
Meddling	A271	String Guide on A301	10
Mediant	A272	Trip Stop on Needle Shaft.....	40
Medino	A275	Ratchet for Binder Shifting Lever, Malleable.....	75
Medium	A276	Rear Bearing to Binder Pipe, Malleable.....	50
Meekly	A278	Knife Arm, Malleable	80
Meekness	A279	Disc Arm, Malleable.....	50
Melange	A280	Adjusting Bolt, Malleable	20
Mellow	A281	Cord Holder, Malleable.....	25
Melody	A282	Disc	30
Melon	A283	Knotted Frame	1 75
Melting	A284	Disc Pawl.....	10
Member	A285	Knotted Cam	2 00
Memento	A287	Knotted Spring	15
Memory	A288	Cord Holder Spring.....	10
Menace	A289	Knotted Hook, Malleable.....	1 00
Mend	A290	Knotted Pinion, Malleable.....	30
Mending	A291	Breast Plate	1 50
Mental	A292	Breast Plate Shield	30
Mercury	A293	Binder Frame.....	6 00
Merino	A295	Trip Spring.....	10
Mermaid	A296	Trip Stop.....	25

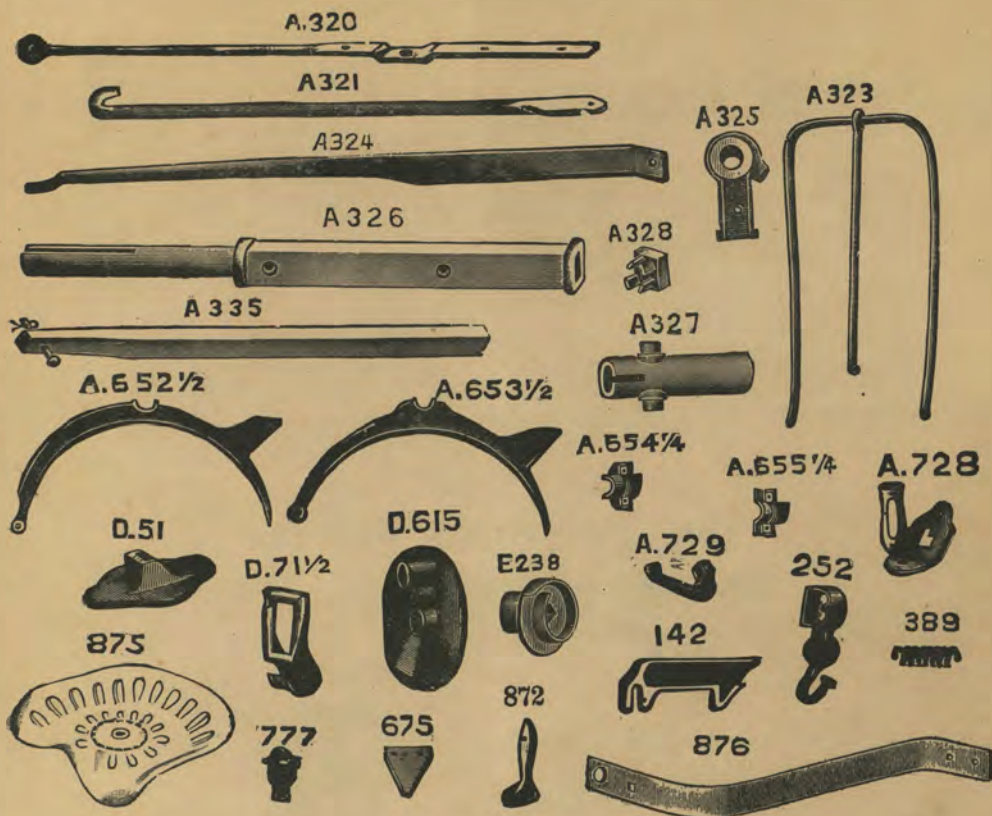
FINGER BAR
H 898—7 Foot Cut—H 896—6 Foot Cut—H 894—5 Foot Cut

BACK BAR
H 899—7 Foot Cut—H 897—6 Foot Cut—H 895—5 Foot Cut



Signal.			Price.
Merry	A297	Disc Pin.....	\$0 20
Metallic	A299	Coil Spring for Disc Pawl.....	05
Meteor	A301	Center Bracket to Binder, Malleable.....	1 25
Mexican	A302	Front Bracket and Support to Table, Malleabe.....	1 00
Miasma	A303	Center Support to Packer Shaft, Malleable.....	75
Midriff	A304	Support to Compressor, Malleable.....	50
Midday	A305	Latch to Compressor Bar, Malleable.....	15
Midland	A306	Needle, Malleable.....	1 75
Midnight	A307	Deck Hinge, Male Part, Malleable.....	10
Midship	A308	Deck Hinge, Male Part, with Stop, Malleable.....	15
Midst	A309	Clasp to Compressor Bar, Malleable.....	25
Midway	A310	Compressor Finger, Malleable.....	25
Midwife	A311	Hinge on Table Leaf, Rear Table.....	15
Mightless	A312	Hinge on Table Leaf, Front Table.....	15
Mighty	A313	Spring for Deck Hinge.....	10
Migrant	A314	Packer Shaft.....	50
Migrate	A315	Crane Support, Front, for Binder Pipe.....	1 25
Mild	A316	Trip Stop Dog, Wrought Iron.....	20
Mildew	A317	Cam Shaft.....	1 25
Mildness	A318	Trip Shaft.....	75
Militant	A319	Needle Shaft.....	1 75
Mimic	A320	Rear Support to Binder Pipe.....	75
Militia	A321	Brace from Rear Support to Elevator Pipe.....	50
Mimical	A323	Stripper Iron.....	50
Minced	A324	Brace from Rear Support to Gear Frame.....	50
Mincing	A325	Hub for Outside Discharge Arm.....	50
Mindful	A326	Socket for Binder Drive Shaft, Malleable.....	1 25
Mindless	A327	Box for Binder Drive Shaft, Malleable.....	30
Minerva	A328	Nut for Trip Shaft, Malleable.....	05
Mint	A335	Binder Drive Shaft, Wrought.....	60
Testy	A652½	Packer, Right, Malleable, with Box.....	1 00
Tetrarch	A653½	Packer, Left, Malleable, with Box.....	1 00
Tetter	A654½	Packer Box, Right, Malleable.....	20
Text	A655½	Packer Box, Left, Malleable.....	20
Timothy	A728	Butter Catch.....	40
Tincture	A729	Cord Take-Up, Malleable.....	20
	D 51	Step to Drive Wheel Spider, Malleable.....	30
Decagon	D 71½	Link, Drive Chain, Malleable.....	05
Drudge	D615	Crank Balance, with H528.....	1 50
Smiling	E238	Worm Pinion, to raise Grain Wheel, Malleable.....	30
Aground	No. 142	Ferrule, Tongue.....	30
Angling	No. 252	Whiffletree Hook, with Ferrule, Malleable.....	15
Astound	No. 389	Spring for Clutch H664.....	15
Banish	No. 675	Section, Flax Knife, 3x3½.....	10
Beard	No. 777	Oil Cup, Malleable.....	10
Breach	No. 872	Lever for Pawl on Binder Shifting Lever.....	25
Brevet	No. 875	Seat, Steel.....	1 00
Brick	No. 876	Seat Spring.....	1 75
Canvas, Platform, 5 Foot Cut.....			4 50
Canvas, Platform, 6 Foot Cut.....			5 00
Canvas, Platform, 7 Foot Cut.....			5 50
Canvas, Elevator, Upper.....			4 00
Canvas, Elevator, Lower.....			4 50
Roller, Driving, for Elevator.....			2 00
Roller, Upper, for Upper Elevator.....			1 50
Roller, Large, for Upper Elevator (Lower End).....			1 50
Roller, Small, for Lower Elevator (Lower End).....			1 25
Roller, Driving, for Platform.....			1 50
Roller, Small for Platform.....			1 00
Roller Bearing for Upper Elevator Canvas, Front.....			25
Roller Bearing for Upper Elevator Canvas, Rear.....			25
Roller Bearing for Lower Elevator Canvas, Front.....			25
Roller Bearing for Lower Elevator Canvas, Rear.....			25
Roller Bearing for Platform Canvas, Front, give width of cut.....			25
Roller Bearing for Platform Canvas, Rear, give width of cut.....			25
Slats for Platform Canvas.....			05



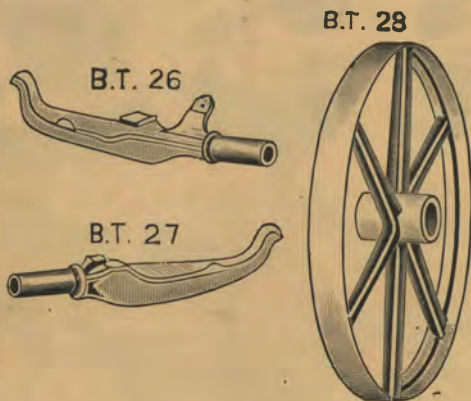


	Price.
Slats for Elevator Canvas, Upper.....	\$ 0 05
Slats for Elevator Canvas, Lower	05
Tie Piece to Elevator, Upper	25
Tie Piece to Elevator, Lower	30
Tie Piece to Platform.....	40
Board to Outside Divider.....	40
Divider, Inside, Sheet Iron.....	75
Arm for Reel, Short.....	10
Arm for Reel, Long, for 5 and 6 ft. Reel.....	15
Arm for Reel, Long, for 7 ft. Reel.....	15
Fans for Reel (Single), give width of cut.....	20
Board for Elevator (Front)	75
Board for Elevator (Rear).....	40
Angle Board (Rear) to Elevator.....	35
Board (Rear) Extension to Platform.....	50
Tool Box	50
Bevel Strip over Finger Bar (Wood), give width of cut.....	25
Drive Wheel, complete	11 00
Tongue without Irons.....	2 50
Neck Yoke.....	1 00
Doubletrees with Whiffletrees.....	2 25
Parts to Change from Two to Three Horse Evener.....	2 25
Knotter Head, Complete.....	7 00
Butter, Complete (except Canvas) 2 inches longer than 1898.....	4 00
Canvas for Butter (Rubber Strip) 4 inches longer than 1898.....	1 20
Slats for Butter Canvas.....	02
Roller for Butter, Large	60
Roller for Butter, Small.....	40
Shield over Butter (Sheet Iron).....	20
Shield over Binder Table (Sheet Iron).....	75
Shield over Binder Table, Complete.....	1 00

	Price.
Guide Piece in Breast Plate (Iron).....	\$ 0 20
Cross Support on Breast Plate (Iron).....	50
Board Extension for Butter, with Irons.....	50
Wind Board.....	30
Cord Box.....	1 00
Deck Board (Front), Complete (Steel).....	2 00
Deck Board (Front), Hinge Part (Wood).....	50
Deck Board (Rear), Complete (Steel).....	2 00
Deck Board (Rear), Hinge Part (Wood).....	50
Upper Support for Deck Boards, Complete.....	1 00
Wind Canvas, Complete with Frame.....	1 50
Shifting Lever, Complete.....	2 25
Rod to Pawl on Shifting Lever.....	20
Link to Shift Binder.....	15
Binder Pipe.....	1 50
Elevator Pipe.....	1 50

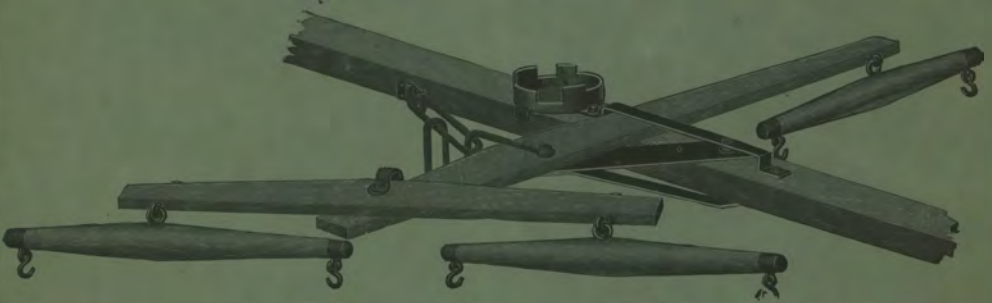
BINDER TRUCK PARTS.

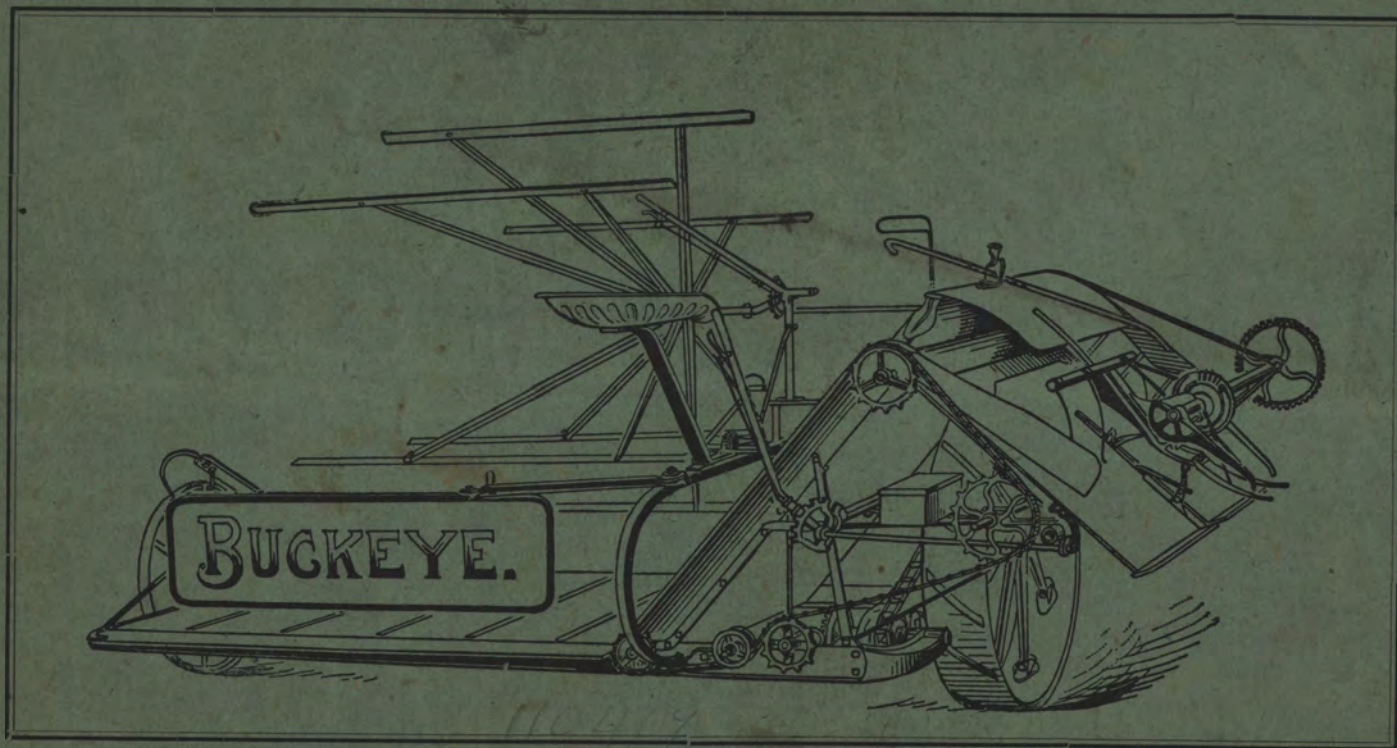
Signal.		Price.
Mutilate	BT26 Spindle, Right Hand, Malleable.....	\$ 2 00
Mutter	BT27 Spindle, Left Hand, Malleable.....	2 00
Mutiny	BT28 Wheel.....	2 50



DIRECTIONS FOR PUTTING ON THREE HORSE EVENER.

Take the Large Double (Wrought Iron) Support for same and secure it to Tongue with Bevel Head Bolt, next put on Hammer Strap on top of Tongue, take the long Wood Part of Evener and pass the small end of same underneath Hammer Strap and secure same to the Support with the Long Clevis and Pin; before securing, put on this Clevis the Long Link of Stay Chain, fasten the short iron piece at end of the other Link to the *Front Bolt* through H947, fasten Doubletree to outer end of Long Wood Part with Wide Clevis and Pin, and put Singletree on inner end of same. The Singletrees should be connected into the second hole from end of Evener and Doubletree.





BUCKEYE (OPEN-END ELEVATOR) FRAMELESS BINDER.