

A3, B3, G3 Two-Way A-1, B-1 Single Integral Tractor Plows



JOHN DEERE

OPERATORS MANUAL

**A3, B3, G3 Two-Way A-1, B-1 Single
Integral Tractor Plows**

OMA22549 (01MAY49) English

OMA22549 (01MAY49)

**LITHO IN U.S.A.
ENGLISH**



your new plow

Behind your new plow is an organization that has specialized in designing and building plows for over one hundred years. This plow was built in the world's largest plow factory by experienced men, many who have worked in this large plant for from ten to forty-five years, thus assuring the utmost in good design, high-grade workmanship, and thorough inspection, so essential to the production of good plows.

High-quality materials, precision production methods, and accurately-controlled heat-treating assure maximum strength and long life for every part.

This manual has been carefully prepared and profusely illustrated, so that you may make the necessary adjustments for adapting your plow to work properly in practically all types of soil and field conditions. These adjustments, such as proper hitching and adjusting for width and depth of cut, are fully covered in this manual, which has been prepared by plow experts. Study the manual carefully and make it your guide.

Occasionally your plow may need new parts to replace worn parts, or emergency service may be required that is not covered in this manual. If so, we suggest that you take advantage of the facilities offered by your John Deere dealer, which assure you of genuine JOHN DEERE Parts and prompt "know-how" service in the field or shop.

If you will furnish your dealer the part number, description, and the information which should be recorded at the bottom of this page, when the plow is delivered, he can give you prompt and efficient service.

**John Deere A-3, B-3, G-3, A-1, and B-1 Integral Tractor
Plow**

No. of Plow.....Date Purchased.....19.....

(To be filled in by Purchaser)

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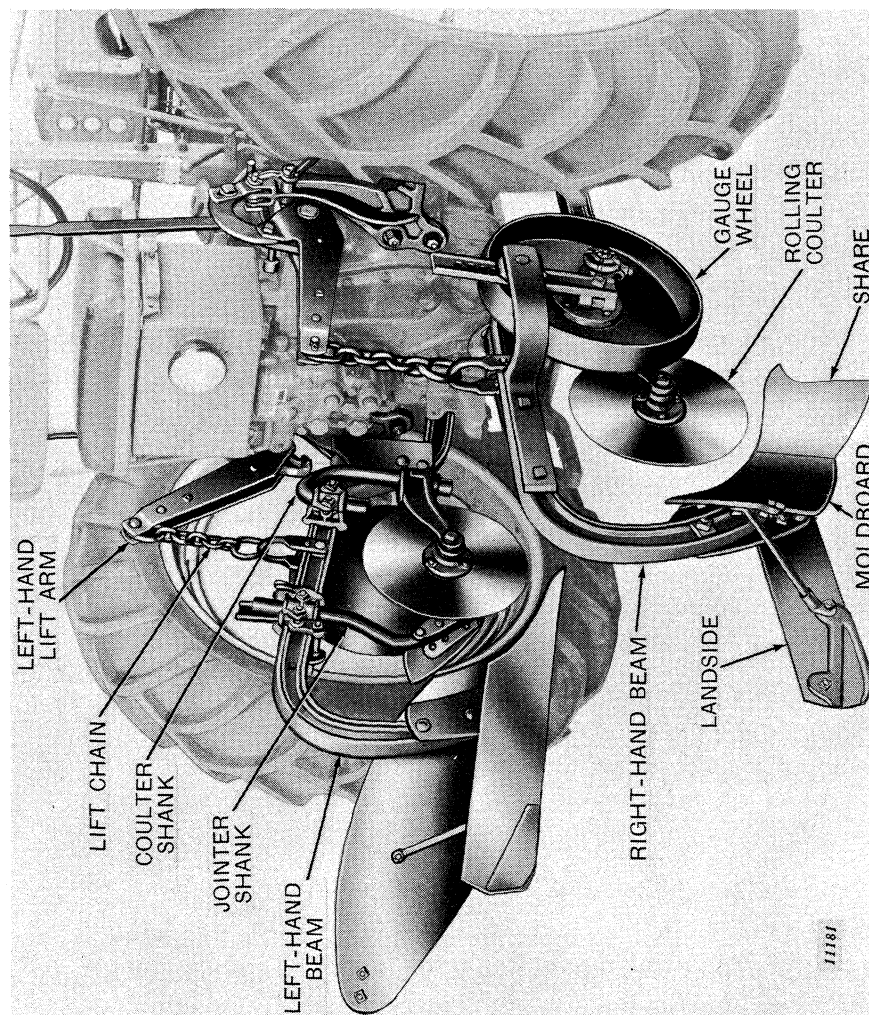


Figure 1—A-3 Two-Way Integral Tractor Plow

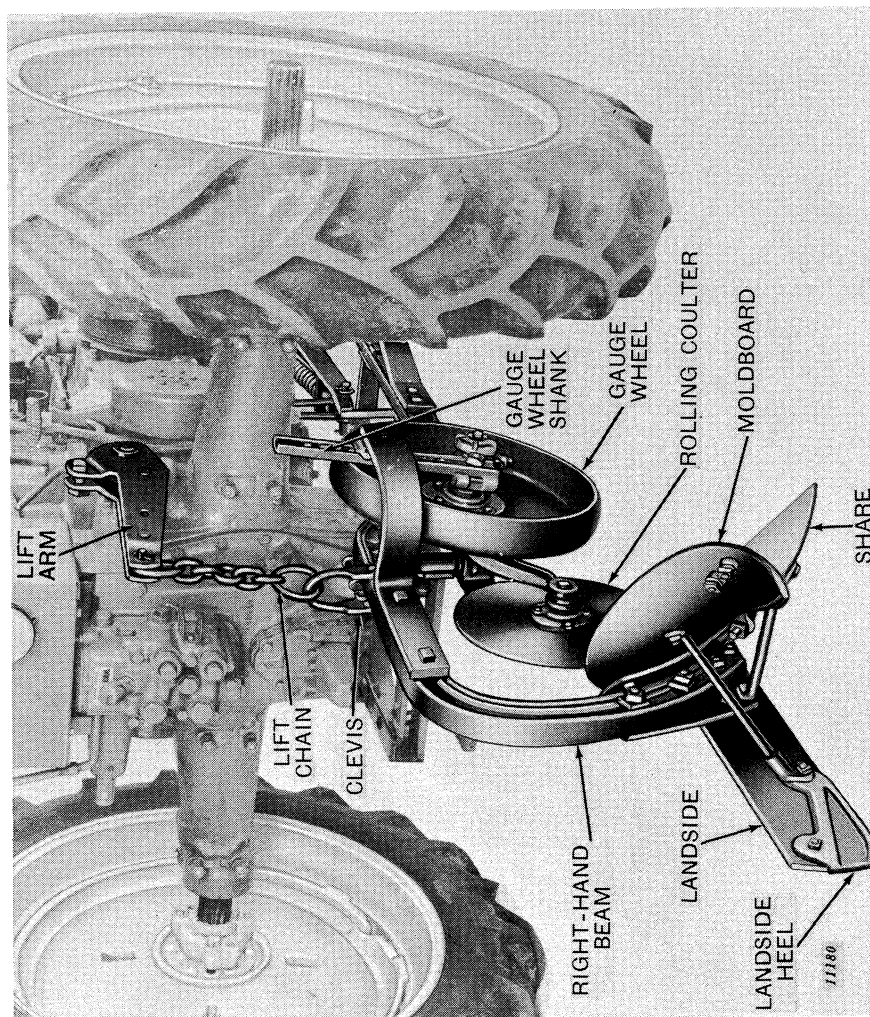


Figure 2—A-1 Integral Tractor Plow on Model "A" Tractor

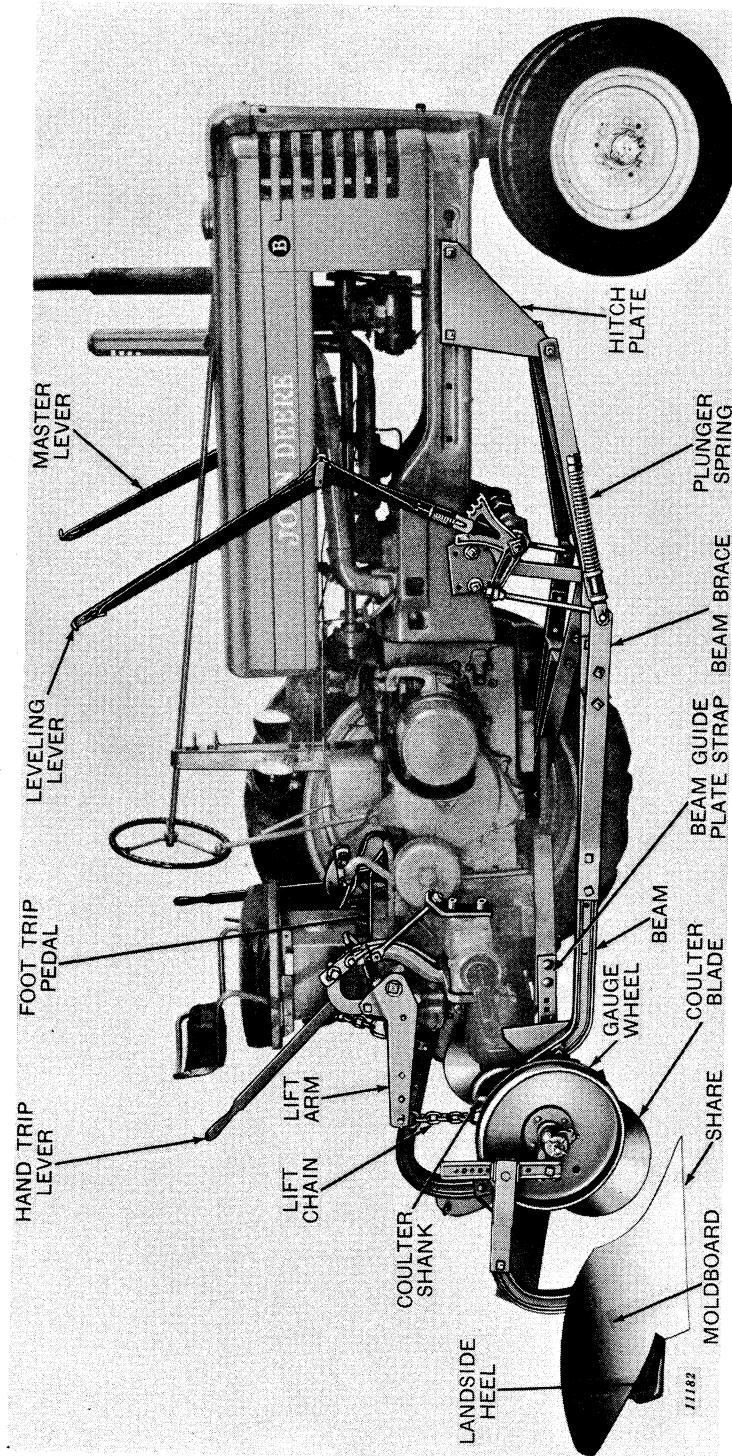


Figure 3—B-3 Two-Way Integral Tractor Plow on Model 'B' Tractor

SPECIFICATIONS

Types.....This John Deere Integral Plow is furnished in the following types.

A-1—Single bottom for Model “A” Tractor.

B-1—Single bottom for Model “B” Tractor.

A-3—Two-Way Plow for Model “A” Tractor.

B-3—Two-Way Plow for Model “B” Tractor.

G-3—Two-Way Plow for Model “G” Tractor.

Depth Range.....Three to eleven inches.

Width of Cut.....14-inch, 16-inch, or 18-inch.

Determined by bottom size and tractor wheel setting.

Bottoms.....As ordered, 14-inch, 16-inch, or 18-inch.

Various types available.

Coulters.....15-inch Plain, regular.

17-inch and 18-inch Plain or 17-inch Notched available when ordered.

Jointers.....Steel or cast independent—available when ordered.

NOTE: When the terms “right” or “left” are used, it means from a position behind the plow and looking toward the front.

(Detail design subject to change without notice.)

OPERATING AND ADJUSTING INSTRUCTIONS

Good Plowing.

This plow, when carefully adjusted for operating in the field conditions found on your farm and with the proper equipment, will do a good job of plowing. A well-adjusted plow pulls lighter. Its furrow slices are uniform in width and depth. It covers the trash better. It leaves the soil in the best condition for working down into a good seedbed. There will be lower maintenance cost. In short, the well-adjusted plow results in better crops and more cash income.

Operating the Plow.

When using an A-3, B-3, or G-3 plow, on a tractor equipped with Powr-Trol, drop the desired bottom to work by stepping on the foot trip pedal. (Use right or left pedal depending on which bottom is desired.) Then, using Powr-Trol lever, drop the power lift causing the bottom to enter the ground and center itself automatically in the proper line of draft. The bottom not in use is held up and out of the way.

On tractors without Powr-Trol and plows without the foot trip pedal, use the hand trip lever to drop the bottom to its work.

A-1 and B-1 single bottom plows are lifted and dropped by the power lift. There is no lock-up mechanism on the lift arms on the A-1 or B-1 plows. (See Figure 2.)

Adjusting Width of Cut.

The width of cut is controlled entirely by the setting of the rear tractor wheels. Set the tractor wheel so the width of cut is the same as the bottom size. For example, a 14-inch bottom should cut 14 inches and a 16-inch bottom should cut 16 inches, etc. To widen the cut set the wheels out; to narrow the cut set the wheels in.

Hitching the Tractor.

The plow is hitched to the tractor well forward and practically in the center, which is an ideal hitch point, and very little hitch adjustment is necessary. Carefully note instructions and be sure your plow is hitched properly for your tractor.

Vertical hitch adjustment is made by means of the master, or depth adjusting lever, located to the left and in front of the operator.

The plunger springs, Figure 4, built into the hitch protect the plow from damage by cushioning the shock if an obstruction is encountered.

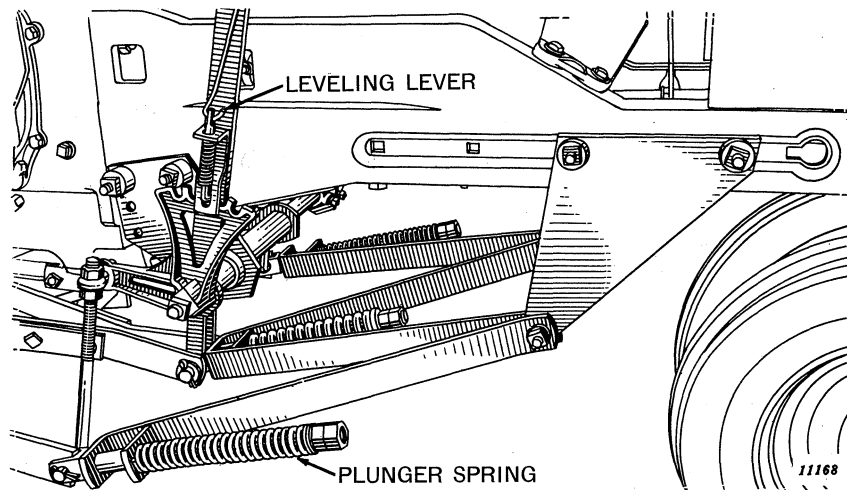


Figure 4—Hitch and Leveling Parts

Leveling the Plow.

The lever, Figure 4, on the right side in front of the operator is the leveling lever. This lever is used to make the bottoms run level at whatever depth desired.

Adjusting Coulters.

The coulters must be sharp. The plow and coulter shanks are designed to give the proper fore-and-aft setting for the coulter blade. The horizontal adjustment can be changed to meet soil conditions. For average conditions set the blade so it runs 1/2-inch to 5/8-inch from the landside, parallel to the landside and just deep enough to cut the trash. Figure 5 shows this adjustment.

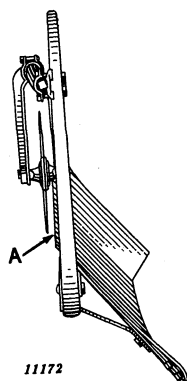


Figure 5—Set coulter at least 1/2" wider than the cut of the plow at "A."

The coulter is provided with a collar to hold the yoke to the shank and also keep the coulter from swinging completely around. This collar should be adjusted on the shank to allow the coulter to swing the same distance each side of the share point, thus allowing coulter to pivot when plow is turned right or left.

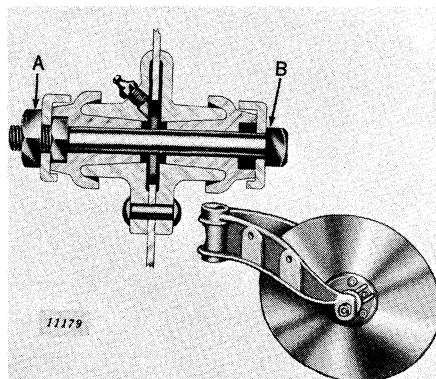


Figure 6—Cross-Sectional View of Coulter Bearing.

To remove excessive end play in rolling coulter hubs, loosen jam nut "A," Figure 6. Turn bolt head "B" clockwise or to the right until end play is removed. Adjust so that coulter blade will turn freely. Tighten jam nut "A."

Adjusting Jointers.

Jointers assist the plow in turning under and covering trash, leaving the plowed land clean. They are of special benefit in turning the furrow slice properly when plowing at high speed.

To move jointer forward, turn set screw down in the jointer clamp "A," Figure 9; reverse operation to move to the rear. To move the jointer toward the coulter, loosen the front bolt and tighten the rear bolt on the clamp "B," Figure 9. To move the jointer away from the coulter, loosen the rear bolt and tighten the front bolt.

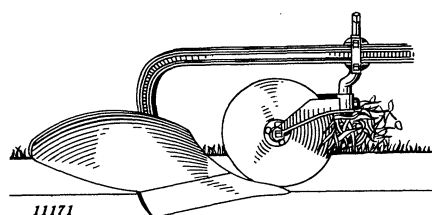


Figure 7—Showing rolling coulter set too deep. Pushes trash instead of cutting through it. In hard ground it also robs the plow of suction.

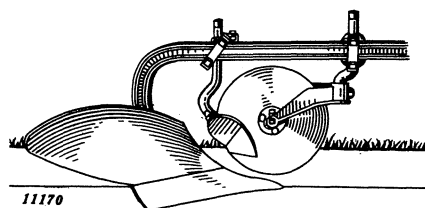


Figure 8—Illustrating a coulter and jointer well set for ordinary plowing.

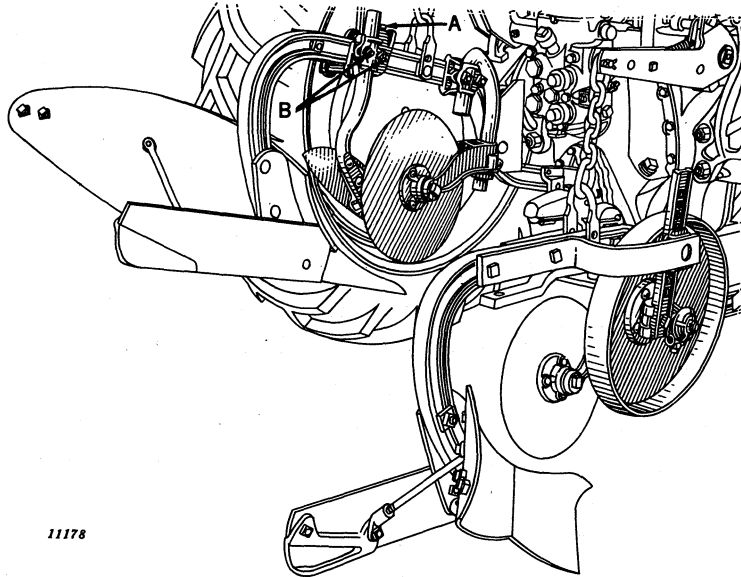


Figure 9—Coulter, Jointer, and Gauge Wheels.

Setting Gauge Wheels.

Gauge wheels are provided as regular equipment on this plow. Set gauge wheels for the maximum depth desired. Shallower depth adjustment can be made by using the master lever on the left-hand side or by using the Powr-Trol lever of the tractor. The lift chains should run loose during ordinary plowing operation so the Powr-Trol lever should be used only as a temporary adjustment.

Be Careful



THE LIFE YOU SAVE MAY BE YOUR OWN...

NATIONAL SAFETY COUNCIL

MAINTENANCE SUGGESTIONS

Plow Bottoms, Coulters, and Jointers.

Protect the face of the moldboard, share, coultter blade, landside, and jointer from rust between plowing seasons or intermittent periods by greasing the polished surface with a coat of cup grease or hard oil.

Sharpening the Share.

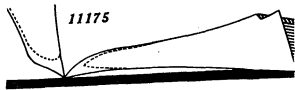


Figure 10—Unbroken Lines in Overhead and Side Views of Share Above Show Correct Shape for Penetration. Dotted Lines Show How Worn Point Looks Before Sharpening.

Heat the point of the share to a low cherry red (not too hot), and hammer the top side until the point is sharp. Hammer at a cherry red only. High heat destroys the quality of the steel. Draw the entire cutting edge from the underside until sharp. Heat at one time only as much as can be hammered. The body of the share should not be heated while sharpening. Should the fitted edges become warped, put the blade in proper shape before hardening. This can be done best at a black heat.

All foregoing information applies to either hard or solid steel shares.

Hardening Soft-Center Steel Shares.

Heat the entire share to a uniform cherry red. Dip the share into a tub of clean, cold water, with the cutting edge down, and the blade perpendicular.

NOTE: Solid or crucible steel shares should not be hardened.



Figure 11—Share Should Have 1/8" to 3/16" Underpoint Suction at Point "A."

Setting Shares.

Set the point of the share down until there is a 1/8-inch to 3/16-inch suction under the landside at point "A," (Figure 11). See that the clearance in the throat of the share at "B," (Figure 12) is at least 1/8-inch. For side, set should be about 3/16-inch clearance at "C," (See Figure 13). Set the edge of the share at the wing point "D" without wing bearing (Figure 14).

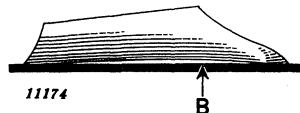


Figure 12—Share Should Have at Least 1/8" Clearance in Throat at "B."

Keep Your John Deere Plow a John Deere Plow.

Genuine John Deere Shares have more and better material in points and in wearing surfaces. "Deere" shares stay sharp longer; they fit like the original share. They save you money. Buy your extra shares from your John Deere dealer and insist on shares with the word "DEERE" stamped in the back near the share number.

Sharpening the Coulter Blade.

Remove the yoke and blade from the shank and grind the blade on an emery wheel until sharp. After repeated sharpenings the blade will be too small to do efficient work. Replace with a new one.

Keep Nuts Tight.

Tighten all nuts. The nuts on the plow bottom should be inspected periodically. Replace bent bolts or bolts with stripped threads. Loose parts come off or bend easily.

Lubricating Instructions.

Lubricate all parts provided with grease fittings twice daily. Oil the working parts on the levers and other moving parts on the plow twice daily with an oil can containing a good grade of lubricating oil.

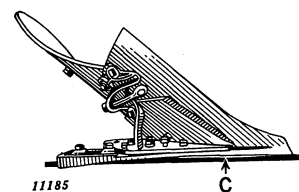


Figure 13—Side Suction Should be About $\frac{3}{16}$ " at Point "C."

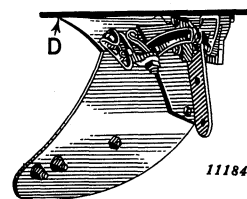


Figure 14—Tractor Plow Shares Are Set Without Wing Bearing at "D."

SETTING-UP INSTRUCTIONS

General.

- (A) Keep in mind the number of your plow, A-3, B-3, G-3, A-1, or B-1 and follow instructions pertaining to your plow on your tractor.
- (B) Read all setting-up instructions and carefully observe illustrations on the following pages.
- (C) Cut bundling wires and conveniently arrange parts.
- (D) Lubricate all bearings and moving parts as you proceed so that they move freely.
- (E) When the terms "Right-Hand" or "Left-Hand" are used in the instructions, it means from a position behind the tractor and plow and looking toward the front.

REGULAR SHIPPING BUNDLES

- SD 81 A Hitch (A-3, B-3, G-3)
- SD 352 A Gauge Wheel Brackets and Shanks (A-3, B-3, G-3)
- SD 366 A 15" Rolling Coulter
- SD 436 A No. 71 Gauge Wheel
- SD 437 A No. 72 Gauge Wheel
- SD 773 A Beam Bundle, R. H. (A-3, B-3, G-3, A-1, B-1)
- SD 774 A Beam Bundle, L. H. (A-3, B-3, G-3)
- SD 1440 A Lever Bundle
- SD 1443 A Drawbar Plates (Old and New "A" or "G" and "B" above 201,000)
- SD 1444 A Drawbar Plates ("B" Below 201,000)
- SD 1441 A Power Lift Parts (A-3 and B-3)
- SD 1442 A Power Lift Parts (G-3)
- SD 1439 A Drawbar Plates ("AN", "AW", "BN," "BW")
- SD 1445 A Hitch, Gauge Wheel Brackets and Shanks (A-1, B-1) (All "A" and "B" above 201,000)
- SD 1446 A Hitch, Gauge Wheel Brackets and Shanks (B-1) ("B" below 201,000)

Bottoms as ordered—Order one bottom for A-1 or B-1 Plows.
Order one R. H. and one L. H. No. 6 Bottom for A-3, B-3,
or G-3 Plows.

SPECIAL SHIPPING BUNDLES

- SD 1413 A Beam Guide Plate Strap (A-3 to "A" Tractor below 584,000
with old-style drawbars)
- DK 59 F Cast Jointers, R. H.
- DK 60 F Steel Jointers, R. H.
- DK 63 F Cast Jointers, L. H.
- DK 64 F Steel Jointers, L. H.
- JC 6 A Clamp, R. H.
- JC 10 A Clamp, Jointer, L. H.
- JC 13 A Clamp, Jointer, R. H.
- SD 380 A 17" Rolling Coulter
- SD 383 A 17" Rolling Coulter—Notched Blade
- SD 386 A 18" Rolling Coulter
- SD 1169 A Foot Trip Lever (For Tractors with Powr-Trol)
- 18762 A Scrapers for No. 71 Gauge Wheel, R. H.
- 20869 A Scrapers for No. 72 Gauge Wheel, L. H.
- SD 209 A Power Lift Parts (For "B" Tractor having new Power Lift)
(A-1, B-1)
- SD 462 A Jointers, Steel, R. H. O56 (A-1, B-1)
- SD 465 A Jointers, Cast, R. H. O59 (A-1, B-1)

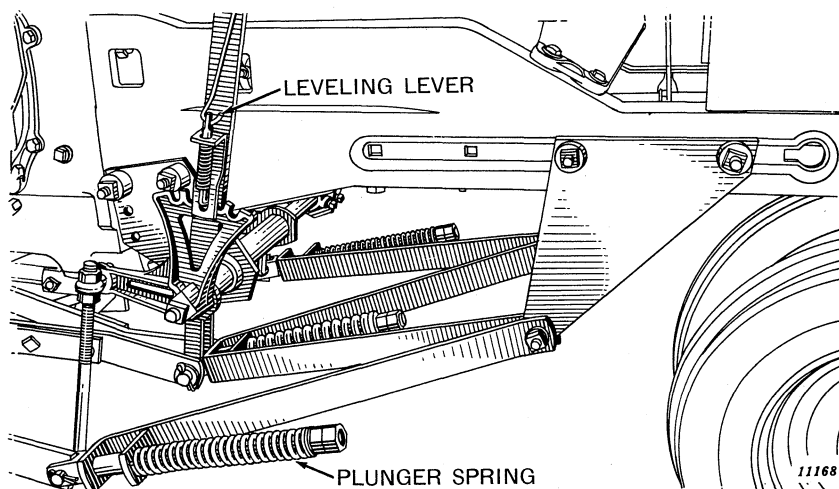


Figure 15—Levers and Hitch—Model "A" Tractor.

Levers.

To attach levers to Model "A" Tractors, Serial No. 584,000 and above, insert bolts through top holes in lever bearing plate as shown at "A," Figure 16, placing one spacer on each bolt between lever bearing plate and tractor frame, and two spacers on outer side of lever bearing plate. For

older Model "A" Tractors, insert bolts through lower holes "C," Figure 16, in lever bearing plate and place two spacers on each bolt between lever bearing plate and tractor frame, and one spacer on outside of lever bearing plate.

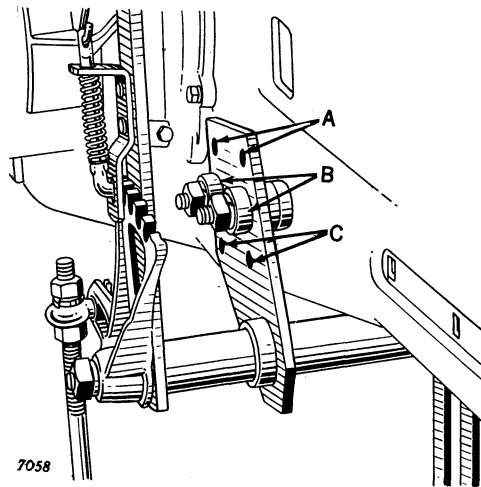


Figure 16—Levers.

On Model "B" Tractors Serial No. 201,000 and above, insert bolts through center holes in lever bearing plate as shown at "B," Figure 16, placing two spacers on each bolt between lever bearing plate and tractor frame, and one spacer on outside of lever bearing plate as shown in Figure 16.

For older Model "B" Tractors, insert bolts through lower holes "C," Figure 16, in lever bearing plate and place three spacers on each bolt between the lever bearing plate and tractor frame.

To attach levers to all Model "G" Tractors, use lower holes "C," Figure 16, and place all spacers on outer side of lever bearing plate.

Hitch Plates and Beam Guide Plate Straps.

For Models "A" and "G" Tractors attach hitch plates to tractor frame with spacers on outside of hitch plate as shown at "A," Figure 17. When attaching to Model "B" Tractor, place spacers between hitch plate and tractor frame.

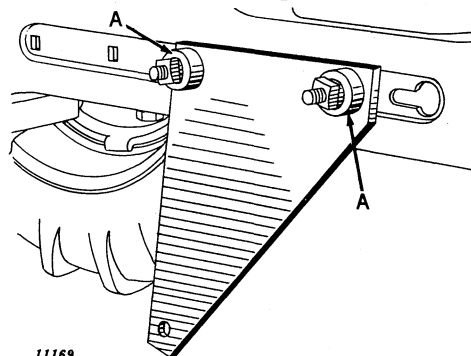


Figure 17—Hitch Plate.

To attach beam guide plate straps to Model "A" Tractors Serial No. 584,000 and above, and older Model "A" Tractors having new-style drawbars, insert bolt "A," Figure 18, through beam guide plate strap and tractor drawbar with head of bolt on the outside. Then by using beam guide plate strap as a wrench, tighten nut. Insert bolt "B," Figure 18, and tighten with a wrench.

For Model "B" Tractors, Serial No. 201,000 and above, and older Model "B" Tractors having new style drawbars, attach as shown in Figure 19.

For Model "G" Tractors having old-style drawbars attach as shown in Figure 20. Model "G" Tractors having new-style drawbars do not require beam guide plate straps.

For older Models "A" and "B" Tractors having old-style drawbars a special offset beam guide plate strap is required and attaches as shown in Figure 21.

Lifting and Hang-Up Parts.

Bolt the hang-up link posts "A," Figure 22, to the tractor housing as shown, for the A-3, B-3, and G-3 two-way plows. Bolt the brace post "B" on the front of the tractor axle housing, connecting the two with the brace "C," Figure 22. Tighten all nuts and bolts securely. If the foot trip pedal is to be used, attach it next as shown in Figure 23.

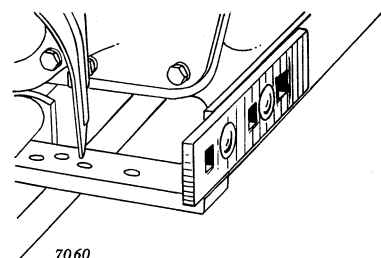


Figure 20—Beam Guide Plate Strap for Model "G" Tractors with Old-Style Drawbars.

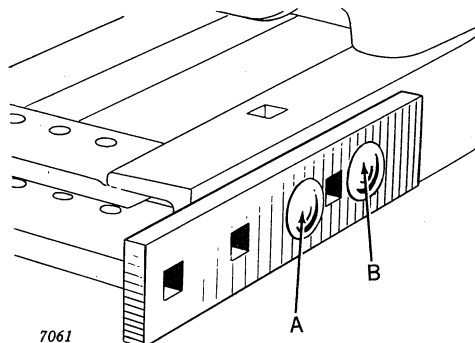


Figure 18—Beam Guide Plate Strap for Model "A" Tractors with New-Style Drawbars.

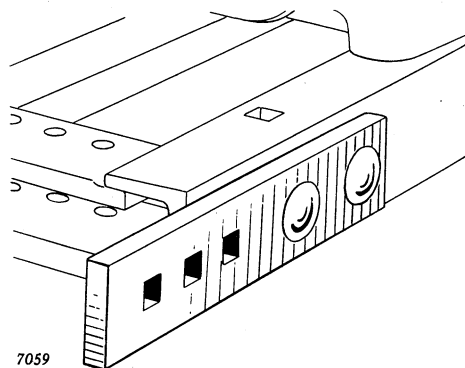


Figure 19—Beam Guide Plate Strap for Model "B" Tractors with New-Style Drawbars.

On the A-1, B-1 Single-Bottom Plows where no hang-up mechanism is used, assemble as shown in Figure 2.

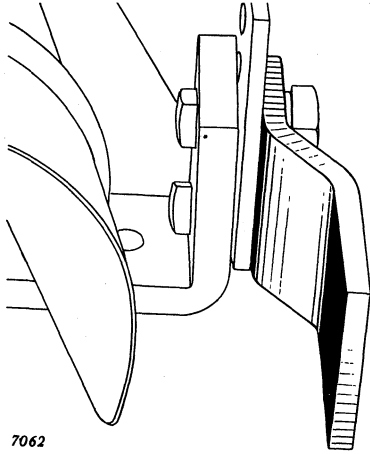


Figure 21—Beam Guide Plate Strap for Models "A" and "B" Tractors with Old-Style Draw-bars.

Beams and Lift Chains.

Fasten the right-hand beam to the parts already assembled on the tractor. (See Figure 3.) Then, if you have a two-way plow, fasten the left-hand beam in the same manner. Hook up the lift chains. Notice there are two sets of holes in the clevis that fasten to the beam. (See Figure 1.) The short setting, or upper hole, is used only on the B-1 and B-3 Plows on the "B" Tractor.

Gauge Wheels, Bottoms, and Coulters.

Assemble the gauge wheels on the plow as shown in Figure 9. Then lift the plow slowly the first time, to be sure there are no binds or interference.

Assemble the left-hand bottom on the left-hand beam. Tighten all bolts. Drop the plow down to the ground and assemble the coulters, adjusting them as explained on Pages 7 and 8. Set the gauge wheels to the maximum depth desired. Be sure to grease the gauge wheels and the rolling coulters.

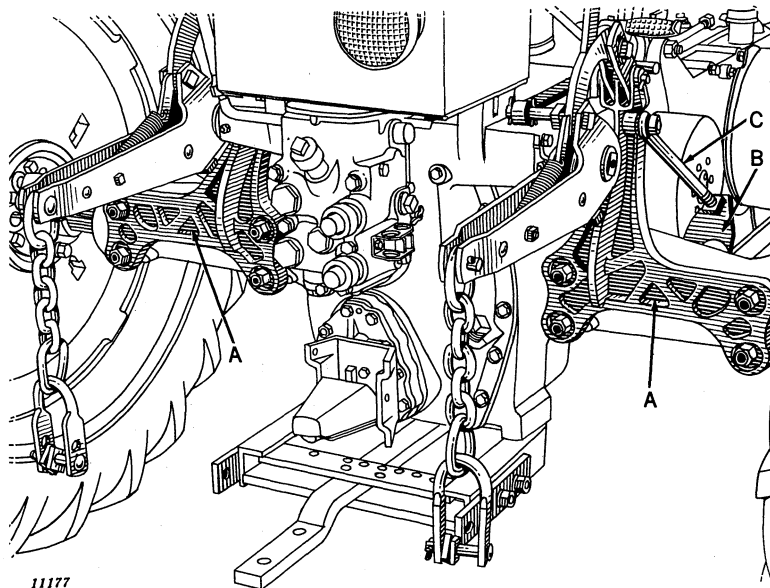


Figure 22—Lifting and Hang-Up Parts.

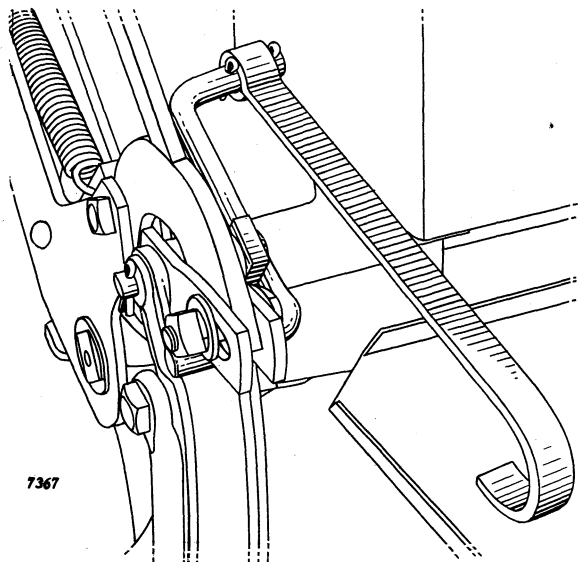


Figure 23—Foot Trip.

Jointers.

If jointers are to be used, assemble on the plow as shown in Figures 8 and 9 and adjust as instructed on page 8.

Adjusting Tractor Wheel Width.

With the plow now completely assembled, the tractor wheels can be checked for width to get the proper cut per bottom. The inside edge of the tire should be about an inch wider than the outside edge of the plow-share, or approximately 68 inches, center to center, on the Model "A" Tractor with 11-inch tires. However, this may have to be changed to suit your condition at your plowing depth after the plow has been tried in the field. If the cut per bottom is too narrow, widen the tractor wheels the same amount or if the cut is too wide, narrow the tractor wheel tread.



FOR YOUR OWN PROTECTION-
DON'T TAKE A CHANCE!

PARTS LIST

USING THE PARTS LIST

It is important to remember your plow is a "John Deere A-3, B-3, G-3, A-1, or B-1 Integral Plow" for identification purposes.

Exploded Views.

From the exploded views of parts in the pages which follow it is easy to find any part or part number.

The exploded views also show the order of assembly of parts. If parts are assembled properly the plow will perform better. If wearing washers and other parts are in their proper place the parts will wear longer.

Key Number.

Each part has been given a key number which is used only as a reference to find the part number, description and quantity used. **DO NOT USE THE KEY NUMBER WHEN ORDERING PARTS.**

Quantity.

If only one of each part is used the quantity is not listed. If more than one of each part is used the quantity is listed with the description.

When Purchasing Parts.

When purchasing parts, direct or for mail, or telephone orders to your John Deere dealer—

- (a) Give number of your plow—A-3, B-3, G-3, A-1, or B-1.
- (b) Give part number, description, and quantity wanted.
- (c) For plowshares—insist on Genuine John Deere Shares.

Abbreviations.

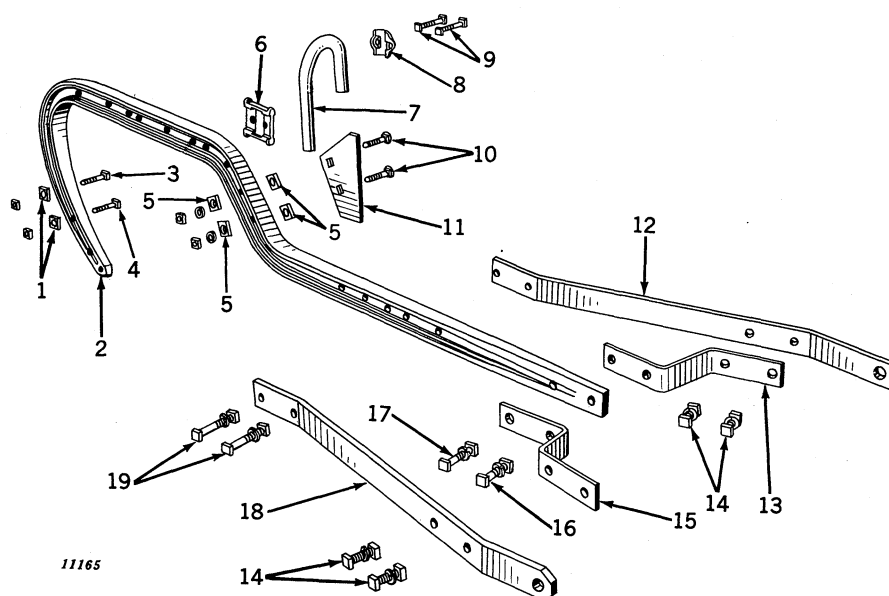
Abbreviations have been used in describing parts in the following lists to condense information. The abbreviated words are given below, together with the abbreviation used.

Cge. —Carriage	No. —Number
Hex. —Hexagon	R.H. —Right-Hand
L.H. —Left-Hand	R.I. —Rock Island
L.W. —Lock Washer	SHM—Square Head Machine

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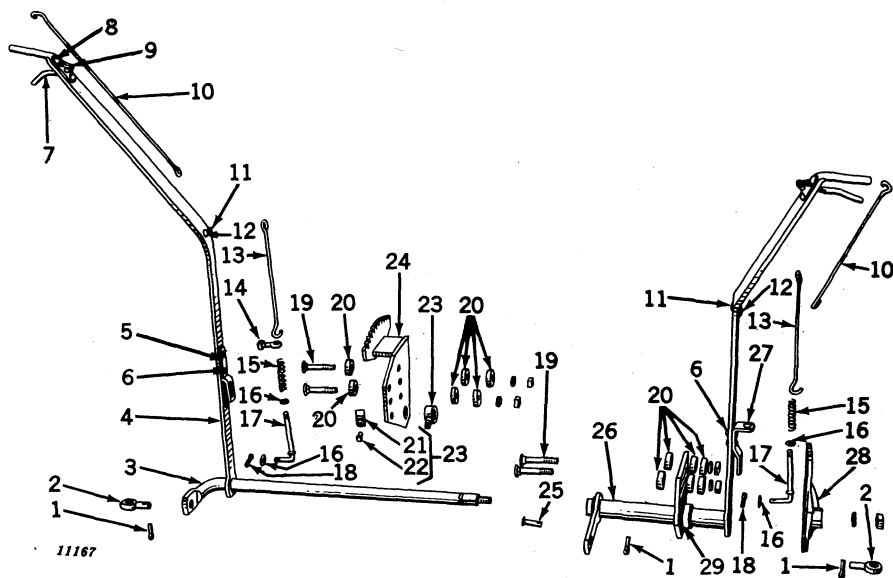
SD773A—R. H., AND SD774A—L. H., BEAMS



Key	Part No.	Description
1	14841 A	Washer (2 used)
2	(BM 648 A	Beam, R. H. only
	(BM 649 A	Beam, L. H. only
3	3H 717	Bolt, Cge. (5/8" x 3") with Nut
4	3H 714	Bolt, Cge. (5/8" x 2-3/4") with Nut
5	14130 A	Washer (4 used)
6	D 246 A	Clamp, Coulter Shank
7	22349 A	Shank, Coulter
8	B 305 A	Cap, Clamp, Coulter Shank
9	8H 1109	Bolt, SHM (5/8" x 4-1/4") with Nut (2 used)
10	3H 725	Bolt, Cge. (5/8" x 3-1/4") with Nut and L.W. (2 used)
11	23878 A	Plate, Beam Guide
12	23873 A	Brace, Beam, Inside
13	21975 A	Bracket, Beam Brace, Inside
14	8H 945	Bolt, SHM (5/8" x 2") with Nut and L.W. (4 used)
15	21974 A	Bracket, Beam Brace, Outside
16	8H 1005 R	Bolt, SHM (5/8" x 2-3/4") with Nut and L.W.
17	8H 1025 R	Bolt, SHM (5/8" x 3") with Nut and L.W.
18	23872 A	Brace, Beam, Outside
19	8H 1084	Bolt, SHM (5/8" x 3-3/4") with Nut and L.W. (2 used)

NOTE: Only one part used in this grouping unless otherwise specified.

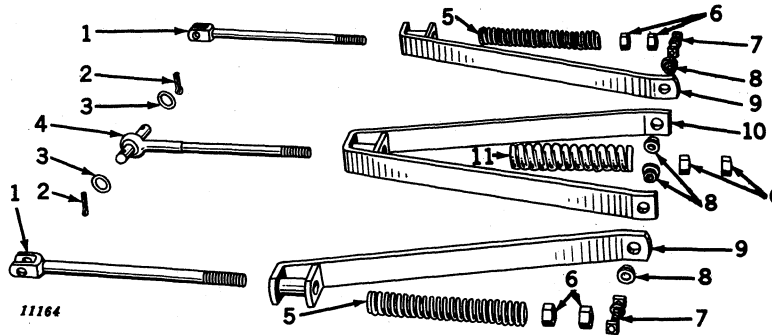
SD1440A LEVERS



Key	Part No.	Description
1	11H 111 B	Pin, Cotter (1/4" x 1-1/4") (3 used)
2	22686 A	Eyebolt, Lever Connecting Link (2 used)
3	21999 A	Shaft, Lever, Master, with Nut and L.W.
4	29321 A	Lever, Master
5	22001 A	Guide, Dog
6	16H 1339 A	Rivet (3/8" x 1-1/8") (4 used)
7	13826 A	Trigger
8	16H 677 A	Rivet (1/4" x 3/4") (2 used)
9	16117 A	Box, Trigger
10	21989 A	Rod, Dog, Upper (2 used)
11	21991 A	Strap, Dog Rod (2 used)
12	16H 1330 A	Rivet (3/8" x 1") (2 used)
13	21990 A	Rod, Dog, Lower (2 used)
14	15314 A	Eyebolt, Dog
15	1295 A	Spring, Dog (2 used)
16	24H 182 A	Washer (4 used)
17	15315 A	Dog, Lever (2 used)
18	11H 80 R	Pin, Cotter (3/16" x 1") (2 used)
19	3H 1005 A	Bolt, Cge. (5/8" x 3-3/4") (4 used)
20	G 545 A	Spacers (12 used)
21	F 453 A	Collar
22	22H 152 B	Screw, Set (No. 13 Cup Point) (1/2" x 1")
23	CA 61 A	Collar and Set Screw Assembly
24	DA 5009 A	Bearing, Master Lever Ratchet
25	RV 698 A	Rivet (5/8" x 1-7/8")
26	21993 A	Pipe, Lever, Leveling
27	21997 A	Guide, Dog
28	D 868 A	Ratchet, Lever, Leveling
29	29320 A	Bearing, Lever, Leveling

NOTE: Only one part is used in this grouping unless otherwise specified.

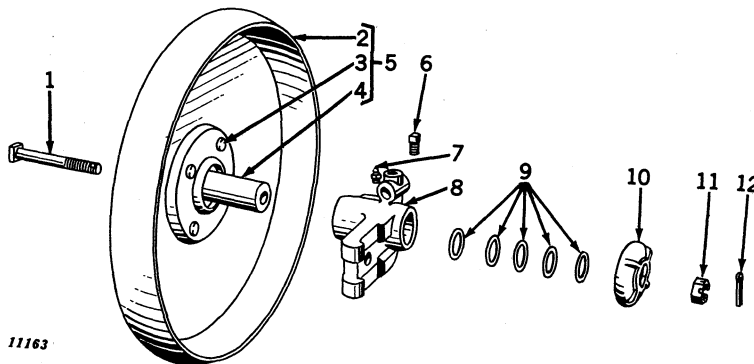
SD81A HITCH



Key	Part No.	Description
1	DA 3118 A	Plunger, Spring, Outside (With two Nuts) (2 used)
2	11H 135 B	Pin, Cotter (5/16" x 1-1/2") (2 used)
3	18813 A	Washer (1-13/16" x 1-1/16" x .060") (2 used)
4	DA 360 A	Plunger, Spring, Center
5	20490 A	Spring, Plunger, Outside (2 used)
6	14H 116 A	Nut, Hex. (1") (6 used)
7	8H 1025 R	Bolt, SHM (5/8" x 3") with Nut and L.W. (2 used)
8	D 457 A	Bushing (4 used)
9	DA 358 A	Drawbar, Outside (2 used)
10	DA 359 A	Drawbar, Center
11	18890 A	Spring, Plunger, Center

NOTE: Only one part is used in this grouping unless otherwise specified.

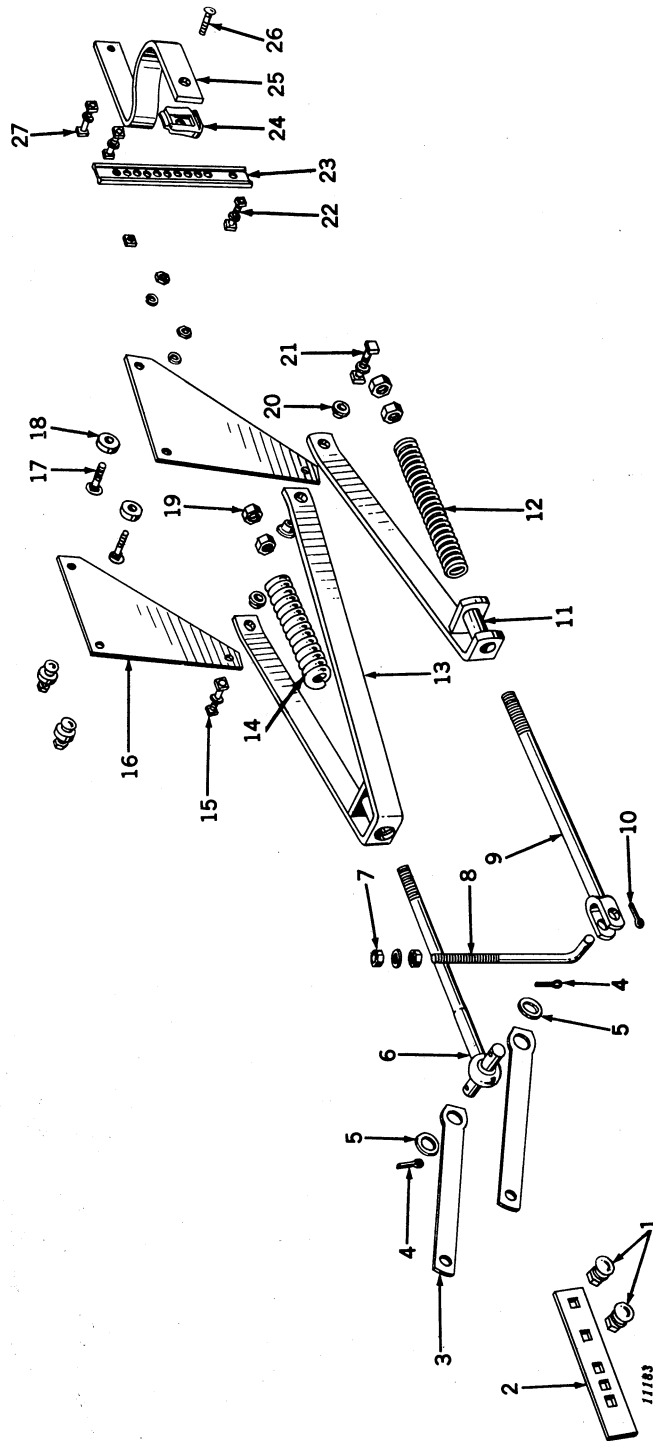
SD436A and SD437A GAUGE WHEELS



Key	Part No.	Description
1	BT 126 A	Bolt, Drilled, SHM (5/8" x 5-1/2")
2	20855 A	Wheel, Gauge
3		Rivet, Oval, Standard (1/2" x 1-1/2") (4 used)
4	B 743 A	Spindle
5	DA 1165 A	Wheel and Spindle, Riveted
6		Screw, Set, No. 13 Cup Point (1/2" x 3/4")
7	JD 7759	Fitting, Grease
8	(B 744 A	Bearing, R. H.
	(B 745 A	Bearing, L. H.
9	5639 A	Washer (5 used)
10	B 746 A	Cap, Bearing
11	14H 530 B	Nut, Hex., Slotted (5/8")
12	11H 80 R	Pin, Cotter (3/16" x 1")

NOTE: Only one part is used in this grouping unless otherwise specified.

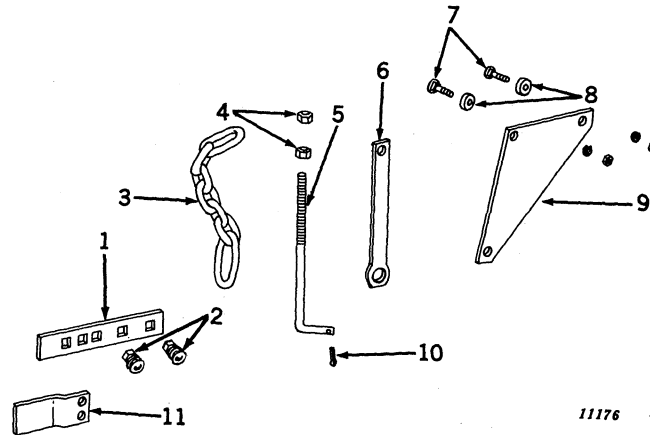
**SD352A GAUGE WHEEL BRACKETS AND SHANKS, SD1445A AND SD1446A
HITCH, GAUGE WHEEL BRACKETS AND SHANKS**



**SD352A GAUGE WHEEL BRACKETS AND SHANKS, SD1445A AND SD1446A
HITCH, GAUGE WHEEL BRACKETS AND SHANKS—Continued**

Key	Part No.	Description	SD352A		SD1445A		SD1446A	
			A-3, B-3, G-3	"A", "B", "C"	A-1, B-1 "A" and "B"	Above Serial	Above Serial	
1	3H 667 H	Bolt, Cge. (5/8" x 1-1/2") with Hex. Nut and L.W.	..	..	2	201,000	2	
2	29324 A	Strap, Beam Guide Plate	..	..	1	..	1	
3	22004 A	Strap, Leveling Lever Connecting	..	..	2	..	..	
4	27859 A	Strap, Leveling Lever Connecting	..	..	..	..	2	
	11H 135 B	Pin, Cotter, Center Spring Plunger Pin (5/16" x 1-1/2")	..	..	2	..	2	
5	18813 A	Washer, Center, Spring Plunger Pin	..	..	2	..	2	
6	DA 360 A	Plunger, Spring, Center	..	..	1	..	1	
7	14H 110 A	Nut, Hex. (3/4")	..	..	2	..	2	
8	27860 A	Link, Connecting, Lever	..	..	1	..	1	
9	20835 A	Plunger, Spring, Outside	..	..	1	..	1	
10	11H 111 B	Pin, Cotter (1/4" x 1-1/4")	..	..	1	..	1	
11	DA 358 A	Drawbar, Outside	..	..	1	..	1	
12	20490 A	Spring, Plunger, Outside	..	..	1	..	1	
13	DA 359 A	Drawbar, Center	..	..	1	..	1	
14	18890 A	Spring, Plunger, Center	..	..	1	..	1	
15	8H 945	Bolt, SHM (5/8" x 2") with Nut and L.W.	..	..	1	..	1	
16	21987 A	Plate, Drawbar	..	..	2	..	2	
17	22355 A	Plate, Drawbar	..	..	..	..	..	
	3H 716 A	Bolt, Cge. (5/8" x 2-3/4"—1/4" Nk.) with Nut and L.W.	..	..	4	..	4	
18	8H 964 T	Bolt, SHM (5/8" x 2-1/4") with Nut and L.W.	..	..	..	..	..	
19	G 545 A	Spacer	..	..	4	..	4	
20	14H 116 A	Nut, Hex., Plunger, Spring (1")	..	..	4	..	4	
21	D 457 A	Bushing, Drawbar	..	..	3	..	3	
22	8H 1025 R	Bolt, SHM (5/8" x 3") with Nut and L.W.	..	..	1	..	1	
23	8H 964 T	Bolt, SHM (5/8" x 2-1/4") with Nut and L.W.	..	..	1	..	1	
24	20850 A	Shank, Gauge Wheel	2	2	1	..	1	
25	D 884 A	Plate, Gauge Wheel Shank	2	2	1	..	1	
26	22019 A	Bracket, Gauge Wheel	2	2	1	..	1	
27	9H 936	Bolt, No. 3 Plow (5/8" x 2-1/2") with Nut	2	2	1	..	1	
28	8H 1025 R	Bolt, SHM (5/8" x 3") with Nut and L.W.	4	4	2	..	2	

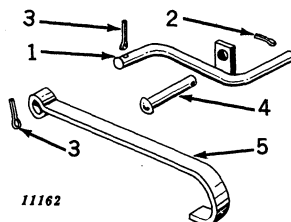
**SD1413A BEAM GUIDE PLATE STRAP FOR "A" TRACTORS BELOW SERIAL
No. 584,000 WITH OLD-STYLE DRAWBAR
SD1439A DRAWBAR PLATES FOR "AN," "AW," "BN," AND "BW" TRACTORS
SD1443A DRAWBAR PLATES FOR NOT STYLED AND STYLED "A" AND
"G" TRACTORS AND "B" TRACTORS ABOVE SERIAL No. 201,000
SD1444A DRAWBAR PLATES FOR "B" TRACTORS BELOW SERIAL
No. 201,000**



11176

Key	Part No.	Description	SD 1413A	SD 1439A	SD 1443A	SD 1444A
1	29324 A	Strap, Plates, Beam Guide.....	..	2	2	2
	29325 A	Strap, Plate, Beam Guide.....	..	..	..	2
2	3H 667 H	Bolt, Cge. (5/8" x 1-1/2") with Hex. Nut and L.W.....	..	4	4	4
3	22350 A	Chain, Beam Lift.....	..	..	2	2
	29838 A	Chain, Beam Lift.....	..	2	..	..
4	14H 110 A	Nut, Hex. (3/4").....	..	4	4	4
5	27860 A	Link, Lever Connecting.....	..	..	2	2
	29836 A	Link, Lever Connecting.....	..	2	..	..
6	22004 A	Strap, Crank, Leveling Lever.....	..	..	2	..
	27859 A	Strap, Crank, Leveling Lever.....	..	..	..	2
	29837 A	Strap, Crank, Leveling Lever.....	..	2	..	..
7	3H 698 A	Bolt, Cge. (5/8" x 2-1/4"—1/4" Nk.) with Nut and L.W.....	..	4	..	..
	3H 716 A	Bolt, Cge. (5/8" x 2-3/4"—1/4" Nk.) with Nut and L.W.....	..	..	4	..
	8H 923 R	Bolt, SHM (5/8" x 1-3/4") with Nut and L.W.....	..	..	..	4
8	G 545 A	Spacer.....	..	4	4	..
9	21987 A	Plate, Drawbar.....	..	..	2	..
	22355 A	Plate, Drawbar.....	..	..	..	2
	29835 A	Plate, Drawbar.....	..	2	..	..
10	11H 111 B	Pin, Cotter (1/4" x 1-1/4").....	..	2	2	2
11	29325 A	Strap, Beam Guide Plate.....	2	..	..	..

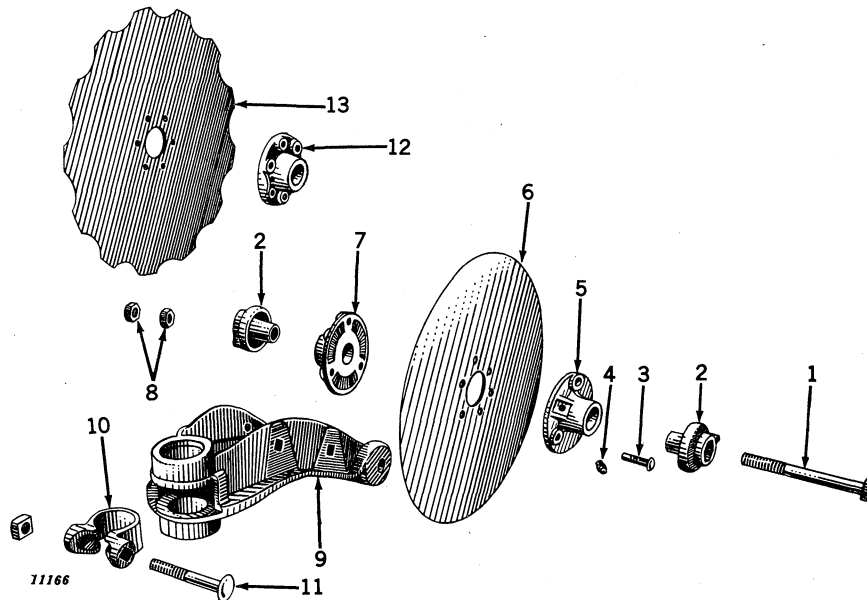
SD1169A FOOT TRIP LEVER FOR TRACTORS WITH POWR-TROL



Key	Part No.	Description
1	DA 4340 A	Lever, Trip, Foot, R. H.
	DA 4341 A	Lever, Trip, Foot, L. H.
2	11H 80 R	Pin, Cotter (3/16" x 1") (2 used)
3	11H 82 R	Pin, Cotter (3/16" x 1-1/4") (4 used)
4	1713 A	Pin, Lever, Trip (2 used)
5	29443 A	Pedal, Trip, Foot (2 used)

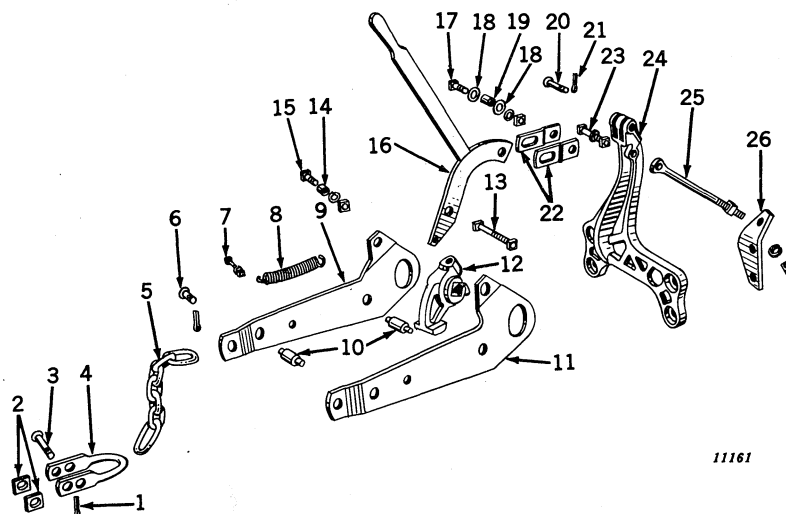
NOTE: Only one part is used in this grouping unless otherwise specified.

SD366A, SD380A, SD386A, AND SD383A ROLLING COULTERS



Key	Part No.	Description	15"	17"	18"	17"
			CRC SD366A	CRC SD380A	CRC SD386A	Notched CRC SD383A
1	8H 1200 A	Bolt, SHM (5/8" x 6") with two Hex. Jam Nuts.....	1	1	1	1
2	(B 678 A	Cone, Coulter Hub.....	2	..	..	..
	(B 886 A	Cone, Coulter Hub.....	..	2	2	2
3	(.....	Rivet (3/8" x 1-1/2").....	3	..	..	..
	(.....	Rivet (3/8" x 1-3/4").....	..	6	6	6
4	JD 7759	Fitting, Grease.....	1	1	1	1
5	B 752 A	Hub, Tapped for Grease Fitting.....	1	..	..	..
6	(18311 A	Blade.....	1	..	..	..
	(26841 A	Blade.....	..	1	..	..
	(23418 A	Blade.....	..	..	1	..
7	B 751 A	Hub.....	1	..	..	..
8		Nut, Jam, Hex.....	2	2	2	2
9	D 673 A	Yoke, Coulter.....	1	1	1	1
10	D 414 A	Collar, Yoke and Shank.....	1	1	1	1
11	2H 679	Bolt, Cge. (1/2" x 3-1/4") with Nut.....	1	1	1	1
12	B 880 A	Hub, Tapped for Grease Fitting.....	..	2	2	2
13	23842 A	Blade.....	..	..	..	1
..	DA 1135 A	Blade and Hubs, Riveted....	1	..	..	..
..	DA 1145 A	Blade and Hubs, Riveted....	..	1	..	..
..	DA 1146 A	Blade and Hubs, Riveted....	..	..	..	1
..	DA 1147 A	Blade and Hubs, Riveted....	..	..	1	..

SD209A, SD1441A AND SD1442A POWER LIFT PARTS



11161

Key	Part No.	Description	SD209A	SD1441A	SD1442A
			A-1, B-1	A-3, B-3	G-3
1	11H 111 B	Pin, Cotter (1/4" x 1-1/4")	2	4	4
2	14841 A	Washer	2	4	4
3	19703 A	Pin, Chain Clevis	1	2	2
4	23131 A	Clevis, Chain, Beam Lifting	1	2	2
5	22350 A	Chain, Beam Lifting	1	..	..
6	RV 698 A	Rivet, Drilled, R. I. Head (5/8" x 1-7/8")	1	2	2
7	7H 426 A	Bolt, SHM (3/8" x 2-3/4") with Nut and L.W.	..	2	2
8	18158 A	Spring, Hang-Up	..	2	2
9	22347 A	Arm, Lift Crank, L. H.	1	2	2
10	22018 A	Stud, Arm, Lift Crank	2	4	4
11	22346 A	Arm, Lift Crank, R. H.	1	2	2
12	D 867 A	Crank, Lift Arm	1	2	2
13	8H 1099 R	Bolt, SHM (5/8" x 4") with Nut	1	2	2
14	21634 A	Spreader, Arm, Lift Crank	1	2	2
15	8H 945	Bolt, SHM (5/8" x 2") with Nut and L.W.	1	2	2
16	DA 801 A	Lever, Trip, R. H.	..	1	..
	DA 439 A	Lever, Trip, R. H.	..	..	1
	DA 802 A	Lever, Trip, L. H.	..	1	..
	DA 440 A	Lever, Trip, L. H.	..	..	1
17	8H 964 T	Bolt, SHM (5/8" x 2-1/4") with Nut and L.W.	..	2	2
18	24H 489 A	Washer, No. 12 (1-1/2" x 11/16")	..	4	4
19	22345 A	Spreader, Hang-Up Strap	..	2	2
20	RV 693 A	Rivet, Drilled, R.I. Head (5/8" x 3")	..	2	2
21	11H 82 R	Pin, Cotter (3/16" x 1-1/4")	..	2	2
22	22344 A	Strap, Hang-Up	..	4	4
23	8H 1066	Bolt, SHM (5/8" x 3-1/2") with Nut and L.W.	..	2	2
24	(D 909 A	Post, Hang-Up Link, R. H.	..	1	1
	(D 910 A	Post, Hang-Up Link, L. H.	..	1	1
25	DA 3286 A	Brace, Hang-Up Post with Nuts and L.W.	..	2	2
26	(23550 A	Plate, Brace, Hang-Up Post, R. H.	..	1	1
	(23551 A	Plate, Brace, Hang-Up Post, L. H.	..	1	1
..	DA 3198 A	Arms, Lift Crank (Consisting of 22346A, 22347A, 21634A, two 22018A, D867A and two Bolts)	1	2	2

PLOW BOTTOMS

Each bottom is stenciled on the backside of moldboard as "NGP314," "EP316," etc., to identify type of bottom.

The number of the bottom as No. 2, No. 3, No. 4, No. 5, and No. 6, identify the length of landside.

No. 2 Bottom has no landside.

No. 3 Bottom—Medium long landside.

No. 4 Bottom—Short landside.

No. 5 Bottom—Long landside.

No. 6 Bottom—Extra long landside. (See exploded view, Key No. 5 showing short type; Key No. 7 showing long types.)

No. 5 or No. 6 Bottom Key with long landside is not used on plows equipped with rolling landsides or rear wheels.

The rear bottom ordinarily is equipped with a landside longer than the front bottom.

The NGP338 and NA338, 18-inch Bottoms are No. 6 Bottoms.

The SP212 and SP214 Front Bottoms are No. 2 type and Rear Bottoms are No. 3 type.

NOTE:

See Key No. 22—No. 7750A Moldboard Extension for all bottoms except Slat Types, SP, NA312, NA314, and NA316.

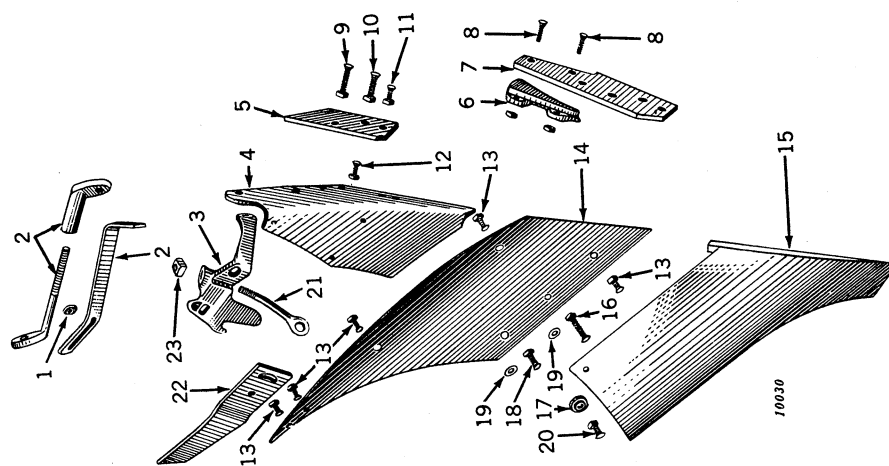
See Key No. 1—No. 15645A Brace Washer used on all bottoms except 18-inch.

See Key No. 17—V181A Share spool used on all bottoms except EP310.

See Key No. 19—Washer (1"x7/16") No. 16 used on all bottoms.

See Key No. 23—Nut for Drawbolt.

All bolts used are Square Neck Plow Bolts unless otherwise specified.



PLOW BOTTOMS—Continued

Size	Brand	Key No. 2	Key No. 3	Key No. 4	Key No. 5	Key No. 6	Key No. 7	Key No. 8	Key No. 9	Key No. 10	Key No. 11	Key No. 11	Key No. 11	Key No. 11	Key No. 11	Key No. 12	Key No. 13	Key No. 14	Key No. 15	Key No. 16	Key No. 18	Key No. 20	Key No. 21	Frog Brace	
12" R.H.	NGP312	BA940A	7822A	V301A	8030A	7887A	7915A	V270A	8087A	9H435	9H702A	9H690A	9H423	9H410	9H423	9H173	9H152	BA652B	BH215E	9H192	9H165	9H147	7759A		
14"	NGP314	BA825A	7815A	V248A	7748A	7885A	7879A	"	7913A	"	"	"	"	"	"	9H165	"	BA669B	BH217E	9H221	9H186	"	7747A		
14"	NGP354		"	V273A	7920A	7923A	7922A				9H714A	9H702A	9H423	9H423	9H435	9H428	9H165	"	BH250E	"	"	9H158	"	7924A	
16"	NGP316		"	V259A	7748A	7885A	7879A				9H702A	9H690A	9H423	9H410	9H423	9H165	9H152	BA676B	BH218E	9H192	"	9H147	7755A	7814A	
16"	NGP356		"	V274A	7920A	7923A	7922A				9H714A	9H702A	9H423	9H423	9H423	9H428	9H165	"	BH340E	9H221	"	9H158	7747A	7925A	
18"	NGP338		BA825A	V269A	7748A	7972A					9H702A	9H690A	9H423	9H410	9H423	9H165	9H152	BA686B	BH219E	9H192	"	9H147	7755A	7883A	
12"	NA312	BA828A	7816A	V301A	7792A	7887A	7886A	V270A	8087A	9H435	"	"	9H423	9H410	"	9H165	"	BA649B	BH215E	"	9H173	"	7759A		
14"	NA314	BA825A	7815A	V248A	7748A	7885A	7879A	"	7913A	"	"	"	"	"	"	9H186	"	BA666B	BH217E	9H221	9H186	"	7747A		
16"	NA316		"	V259A	"	"	"				"	"	"	"	"	9H165	"	BA674B	BH218E	9H192	"	"	7755A	7814A	
18"	NA338		BA825A	V269A	"	7972A					"	"	"	"	9H410	"	"	BA888B	BH219E	"	"	"	"	7883A	
10"	EP310		7815A	V285A	7960A	7939A	7940A				"	"	9H423	9H410	9H423	9H152	"	BA682B	BH214E	9H173	9H165	"	7757A	7974A	
12"	EP312	BA830A	"	V284A	"	"	"	V270A	8003A	9H435	"	"	"	"	"	9H404	"	"	BH372E	"	"	"	7754A	"	
14"	EP314	BA859A	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	BH347E	"	"	"	"	"	
16"	EP316	BA827A	"	V278A	7943A	7945A	7944A	"	8004A	"	"	"	"	"	"	9H419	9H186	"	BA685B	BH350E	9H192	9H186	"	7747A	7946A
12"	MP312		7822A	V301A	8030A	7887A	7886A				"	"	"	"	"	9H173	"	BA681B	BH215E	"	9H165	"	7759A		
14"	MP314		7815A	V248A	7748A	7885A	7879A				"	"	"	"	"	9H165	"	BA684B	BH217E	9H221	9H186	"	7747A		
16"	MP316		"	V259A	"	"	"				"	"	"	"	"	"	"	BA676B	BH218E	9H192	"	"	"	7814A	
16"	MP356		"	V274A	7920A		7922A				9H714A	9H702A	9H423	9H423		9H428	9H165	"	BH340E	9H221	"	7755A	7925A		
12"	GP312		"	V278A	7943A	7980A	7944A				9H702A	9H690A	9H423	9H410	9H423	9H419	9H165	BA683B	BH375E	9H192	"	7747A	7925A		
14"	GP314		"	"	"	"	"				"	"	"	"	"	"	"	"	BH358E	"	"	"	"	7946A	
12"	SP212	BA827A	7816A	V192A	8130A	8016A	7881A	V270A	8006A	9H435	"	"	9H448	9H448	9H448	9H423	"	BA653B	BC228E	"	"	"	7756A	8129A	
14"	SP214	BA948A	"	V193A	7521A	"	"	"	"	"	"	"	"	9H448	9H448	"	"	BA670B	BC229E	"	9H192	"	7762A		

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Farm Accidents Can Be Prevented with Your Help

No accident prevention program can be successful without the whole-hearted cooperation of the person who is directly responsible for the operation of equipment.

To read accident reports from all over the Country is to be convinced that a large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the harvest field or in the industrial plant, can be safer than the man who is at the controls. If farm accidents are to be prevented—and they can be prevented—it will be done by the operators who accept a full measure of their responsibility.

It is true that the designer, the manufacturer, the safety engineer can help, and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that "the best kind of a safety device is a careful operator." We ask you to be that kind of an operator.

NATIONAL SAFETY COUNCIL

