

96

OPERATOR'S MANUAL

OM-A35-451

This manual
contains correct
information
regarding lubrication,
operation, main-
tenance, setting-up,
and parts



JOHN DEERE

SEMI-INTEGRAL TRACTOR DISK PLOWS AB20 and G20 SERIES

NEW NUMBER
#20 SERIES

For the best service see your
JOHN DEERE DEALER
Use Only Genuine John Deere Parts

YOUR NEW PLOW

Behind your new plow is an organization that has specialized in designing and building plows for over one hundred and ten 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 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 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. 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 you take advantage of the facilities offered by your John Deere dealer, which assures you of genuine John Deere Parts and prompt "know-how" service in the field or in the 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 AB20 and G20 Series Semi-Integral Tractor Disk Plows

No. of Plow

Date Purchased **19**

(To be filled in by Purchaser)

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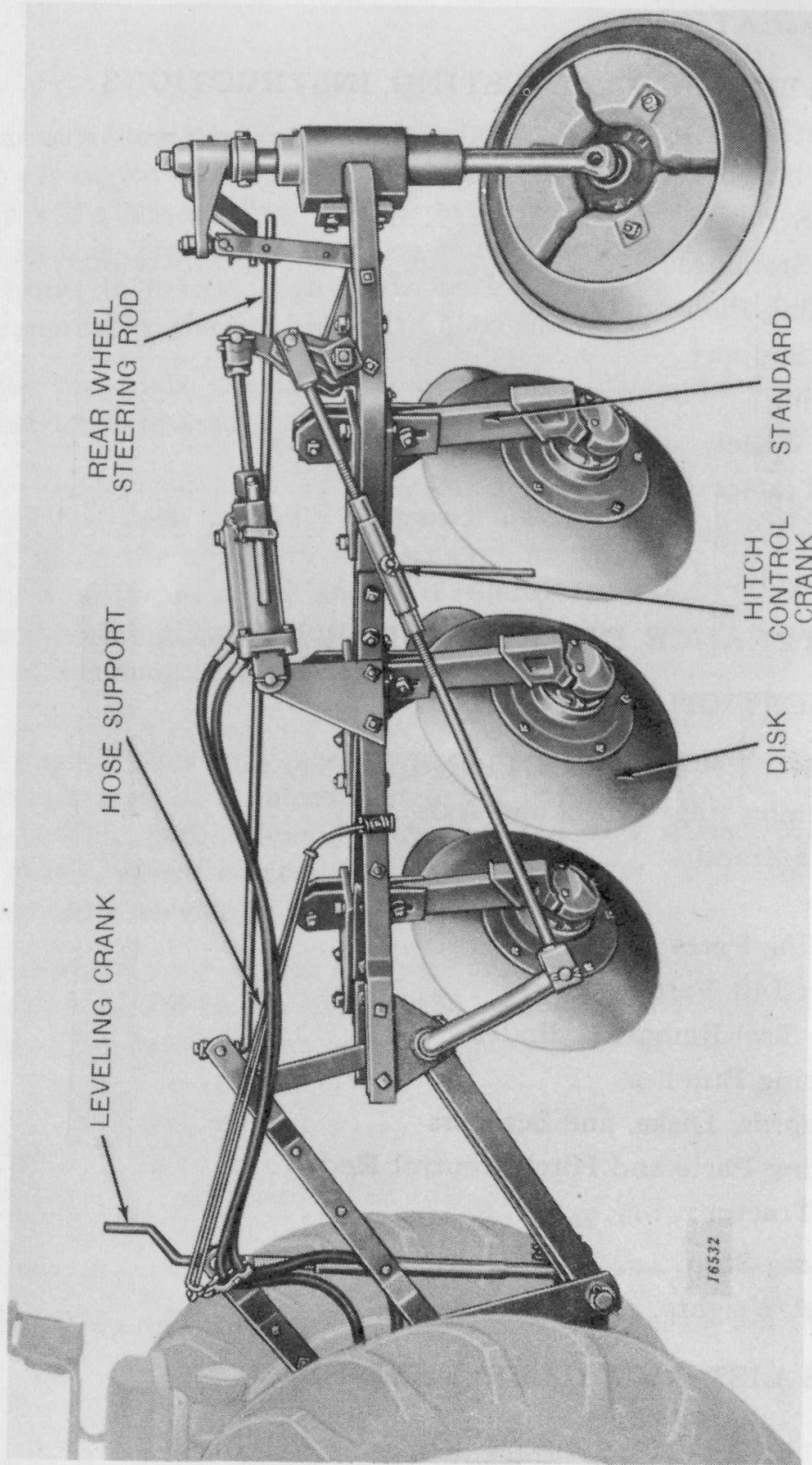


Figure 1—John Deere AB23 Semi-Integral Tractor Disk Plow

SPECIFICATIONS AND DATA

TYPES:..... AB20 and G20 Series Semi-Integral Disk
Plows and furnished in the following sizes:
AB22—2-Disk, not reducible
AB23—3-Disk, not reducible
G22—2-Disk, not reducible
G23—3-Disk, not reducible

DEPTH RANGE:..... Approximately 2 inches to 12 inches.

WIDTH OF CUT:..... Adjustable—9 inches to 12 inches per disk.

DISKS:..... 26-inch regular. 24-inch or 28-inch available
when ordered.

DISK BEARINGS:..... Heavy-duty, dustproof bearings, each having
two large Timken tapered roller bearings.

WHEELS:..... Heavy cast—regular. Extra wheel flange—
special.
Wheel boxes turn on two large Timken
tapered roller bearings.
Wheel with 5:50x16 rubber tire or wheel less
rubber tire—special.

DEPTH CONTROL

AND LIFT:..... Regulated by the operator with the Powr-
Trol and remote cylinder of the tractor.

SCRAPERS:..... Moldboard—special.
Hoe Type—special.

LEVELING:..... Adjustable by one screw crank.

WHEEL WEIGHTS:.... For cast wheel: 210 pounds—regular.
Auxiliary for cast wheel: 210 pounds—special.
For rubber-tired wheel—special.

*NOTE: When the terms "right" or "left" are used, it means from a position
behind the Plow and looking toward the front.*

*(It is a John Deere policy to improve our machines at every opportunity.
Consequently, it may be necessary to change design without notice.)*

OPERATING AND ADJUSTING

Good Plowing.

This plow is fully adjustable, and when properly adjusted, will do a good job of plowing even when operating in adverse conditions. A properly-adjusted plow pulls lighter; covers well; turns furrow slices that are uniform in width and depth; leaves the soil in the best condition for good seedbed preparation; and keeps operating and maintenance costs low. In short, a well-adjusted plow results in better crops and more cash income.

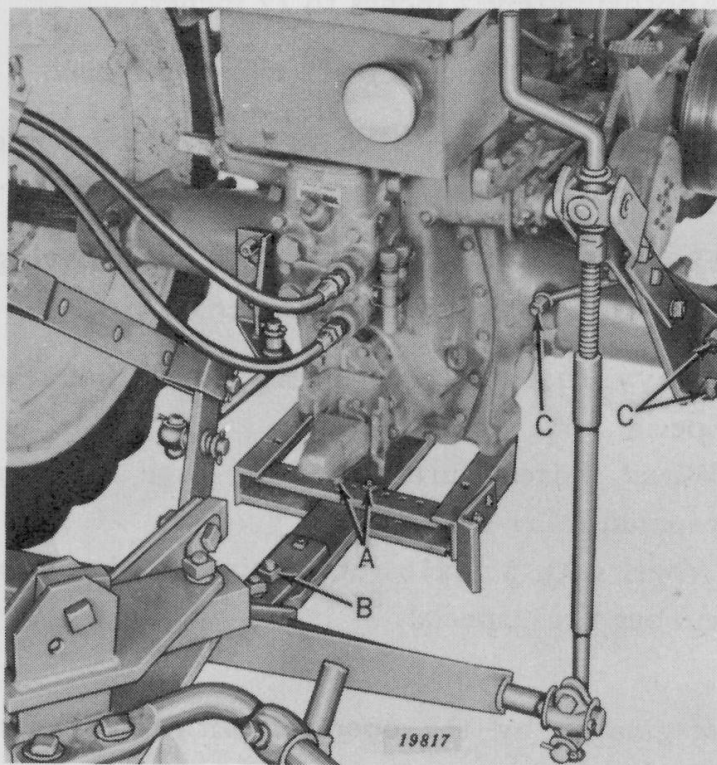


Figure 2—Hitching Plow to Tractor

The Tractor.

Before making any adjustments on the plow, the power lift shaft master shield and the right fender on the tractor must be removed.

In average plowing conditions, and with 26-inch disks on the plow, the right rear tractor wheel must be set approximately 27 inches from the inside of tire to center of drawbar. Set left rear tractor wheel all the way out on axle.

If 24-inch or 28-inch

disks are used, severe conditions are encountered, or the setting of the disks is changed, it is necessary to change the setting of the right rear wheel so all disks cut the same size furrow slice.

Wheel weights for the front wheels of the tractor are available if conditions warrant it.

Remove the swinging drawbar from the tractor and put on drawbar furnished with the plow. Bolt the drawbar to the center of the crossbar at "A," Figure 2.

Hitching Plow to Tractor.

Back the tractor to the plow and bolt plow hitch to the drawbar at "B," Figure 2.

Remove the nuts "C," Figure 2, from the tractor housing and attach leveling crank support. Replace nuts "C," Figure 2, and tighten securely.

Loosen the nuts "A," Figure 3, and slide bracket between nuts and tractor housing. Tighten the nuts securely.

Attach the Powr-Trol remote cylinder to the plow at "A" and "B," Figure 4. Fasten the hoses to clamp, and hook the clamp to hose support at "C," Figure 4.

Raise the plow slowly with the Powr-Trol lever and remove stand "D," Figure 4, from the plow. Insert pin "E," Figure 4, and hold in place with spring locking pin.

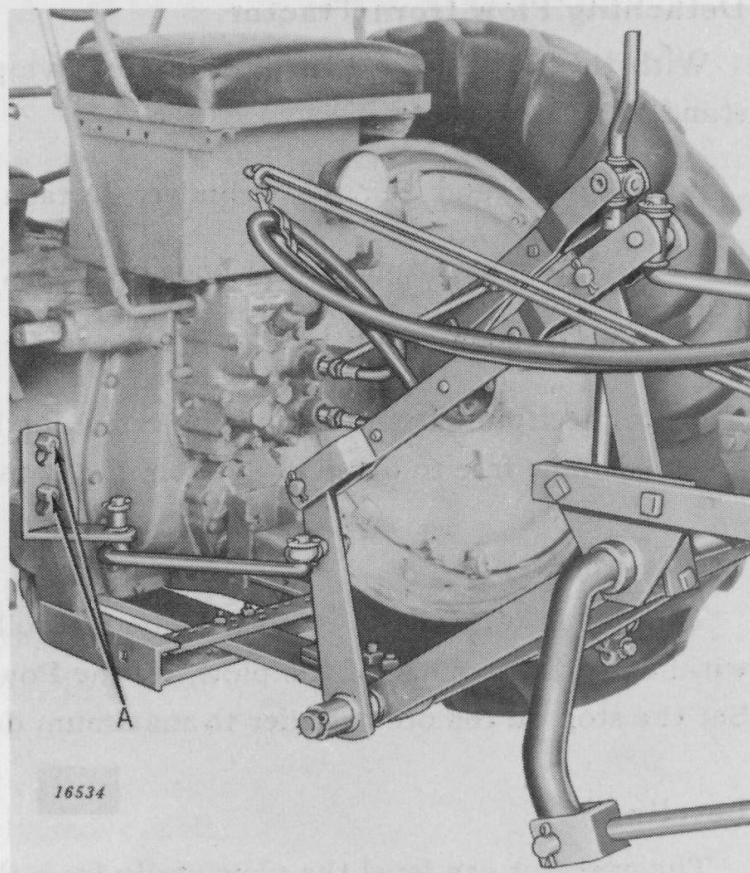


Figure 3—Hitching Plow to Tractor

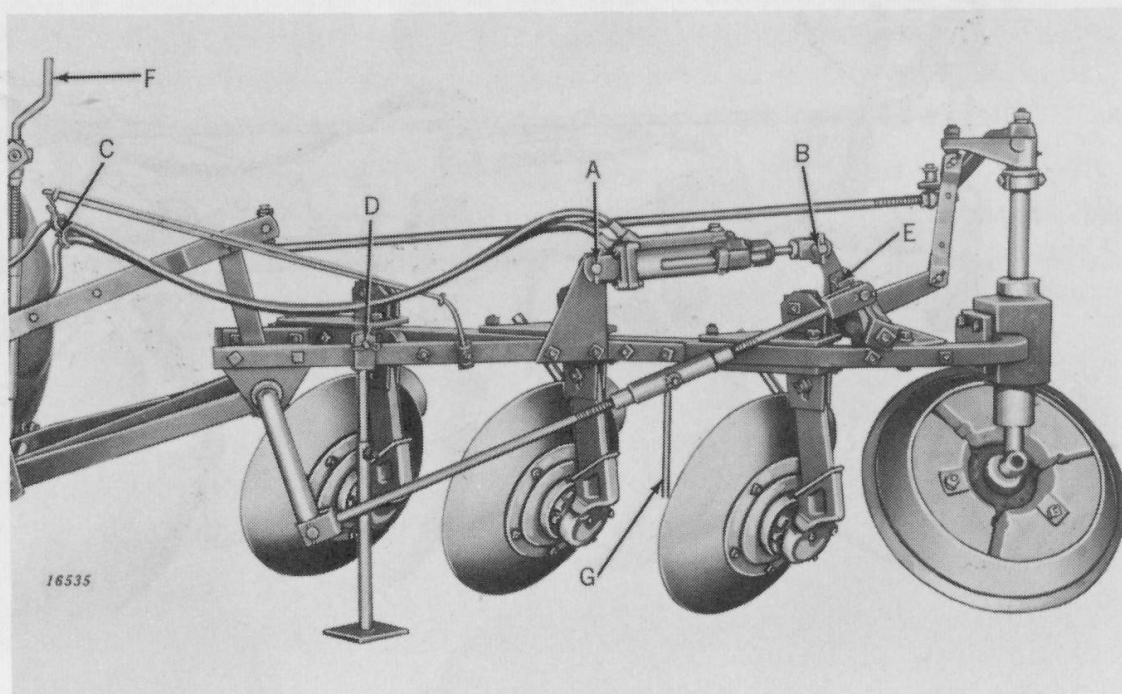


Figure 4—Attaching Powr-Trol Remote Cylinder

Detaching Plow from Tractor.

With the plow in a raised position, remove pin "E," Figure 4, and put stand "D," in position.

Lower plow and remove cylinder. Detach hose from hose support.

Remove bracket from tractor housing at "A," Figure 3.

Remove leveling crank bracket from tractor housing at "C," Figure 2.

Disconnect plow from drawbar by removing bolt "B," Figure 2, and the tractor is now free to drive away from the plow.

Adjusting Depth.

The depth of plowing is accurately controlled to any depth required, within the depth range of the plow, by the Powr-Trol lever on the tractor. Set the stop on remote cylinder to maximum depth desired.

Leveling.

The operator can level the plow easily from the tractor seat by adjusting leveling crank "F," Figure 4.

To level the plow fore and aft so that all disks cut the same depth, adjust crank "G," Figure 4, to the proper position.

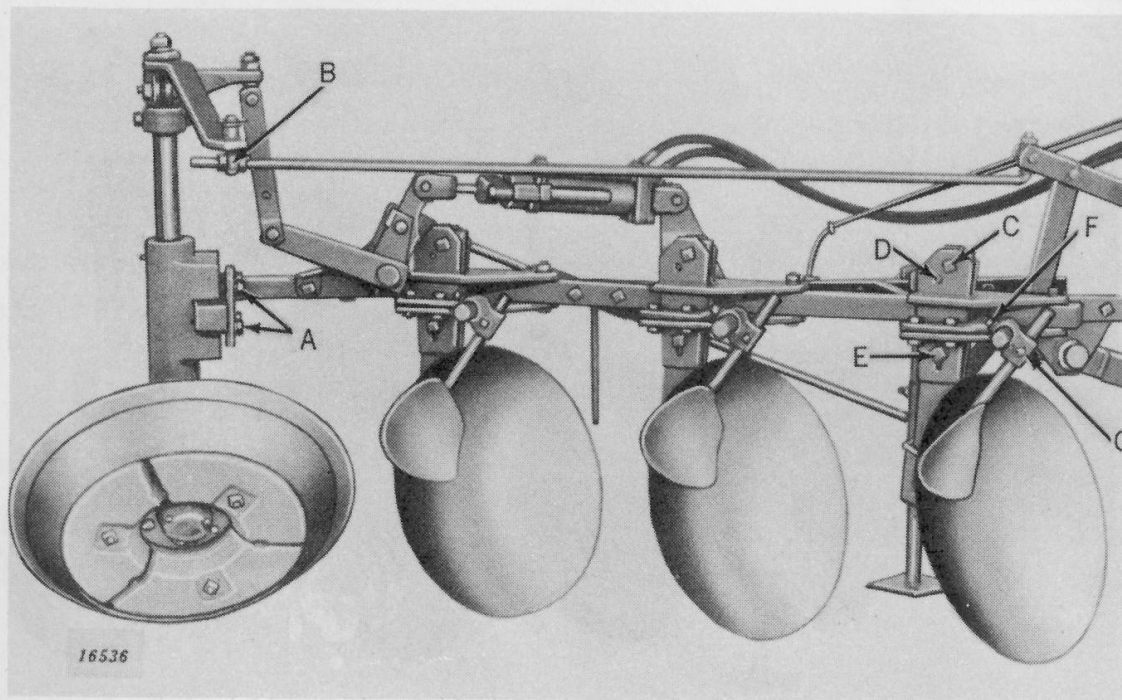


Figure 5—Adjusting Rear Wheel

Rear Wheel.

Loosen the nuts "A," Figure 5, and set rear wheel and axle so that wheel runs in bottom of furrow and the plow runs straight.

In average conditions, the rear wheel should have a slight lead toward the plowed land. The lead will vary according to ground conditions. The steering rod and two hexagon nuts at "B," Figure 5, provide adjustment for steering the rear wheel.

Width of Cut.

Adjustment is provided in the plow so that the disks can be set to cut a furrow slice from approximately nine to twelve inches each, depending on size of disk. It is important that all disks cut exactly the same width furrow slice.

Figure 6 shows the disk set in narrow cut.

To increase the width of cut per disk, loosen the bolt "A," and remove bolt "B," Figure 6. Slide the hanger plates over and insert bolt through hole "C," Figure 6. Tighten nuts on bolts "A" and "C," Figure 6.

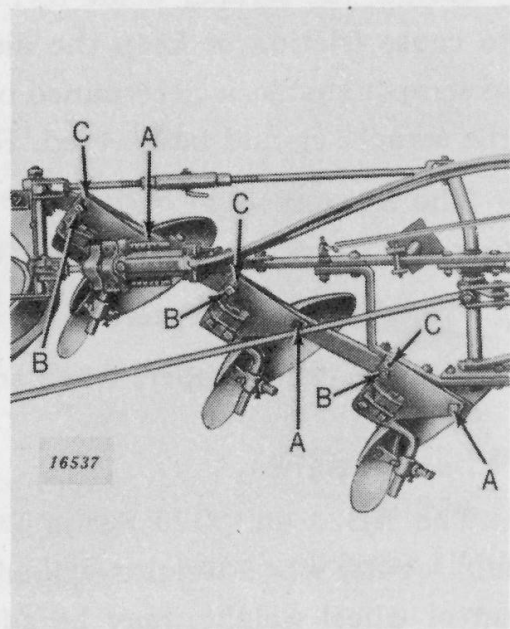


Figure 6—Adjusting Width of Cut

Disk Standards.

Adjustments are provided in the disk standard attaching plates to set the disks at two different vertical angles. The setting at "C," Figure 5, is the steep setting and should be used in loose or brittle soil. Disks set in the steep setting will scour well and do a good job of cutting through trash.

To set the disks in the flat setting, loosen bolt "E," and remove bolt at "C," Figure 5. Slide the standard down and over and insert bolt at "D." Tighten nuts on bolts at "D" and "E," Figure 5. The flat setting is used in heavy soils that have a tendency to roll up under the disk from the bottom of the furrow. This setting is generally used in sticky soil.

Hose Support.

The set screw collar in the support bracket can be adjusted to restrict the swing of the hose support and keep the hose from catching on either the tractor or the plow.

Disk Scrapers.

Adjust the scraper blade to fit closely to the disk but not tight enough to cause friction or keep the disk from turning. The vertical adjustment of scraper shanks is determined by the depth of plowing. If plowing shallow, the scraper should be lowered. Raise the scraper for deep plowing.

The set screws at "F" and "G," Figure 5, provide adjustment so the furrow slice will be turned over as desired.

Properly-adjusted moldboard scrapers assure good coverage.

Use hoe-type scrapers when scouring difficulties are encountered.

Wheel Weights.

The AB20 and G20 Series Disk Plows equipped with cast rear wheel and regular wheel weights will add approximately 210 pounds. An auxiliary set of wheel weights may be added to a cast wheel, giving an additional 210 pounds, plus the weight of the wheel flange which is required when the auxiliary weights are added.

Special wheel weights are available when the rubber tired wheel is used.

MAINTENANCE INSTRUCTIONS

Disk Bearings.

The John Deere heavy-duty disk bearings, Figure 7, should be filled with grease before operating the disk plow. A large expanding felt collar and overlapping flange on the disk spindle make the bearing dirtproof and oil-tight. However, grease is to be added twice daily through the grease fitting on the bearing.

Disks and Scrapers.

Protect the face of the disks and scrapers from rust between plowing seasons or intermittent plowing periods by greasing the polished surface with a coat of cup grease or hard oil.

Keep Nuts Tight.

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

Tractor Tires.

Keep the tractor tires inflated according to instructions given in your Tractor Operator's Manual.

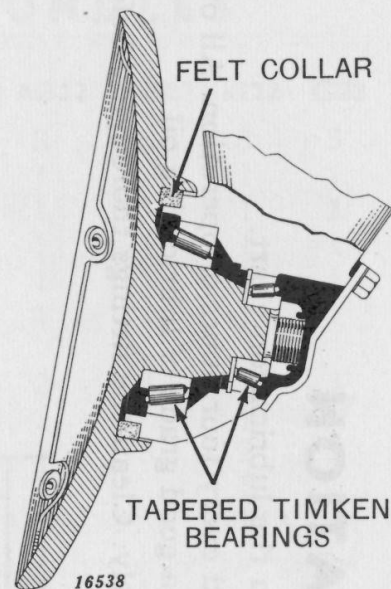


Figure 7—Disk Bearing

LUBRICATION

Lubrication fittings are provided at all points indicated in the lubrication chart.

All parts provided with grease fittings should be lubricated every four hours of operation. All other moving parts on the plow should be oiled every four hours of operation with a good grade of lubricating oil.

If any grease fittings are missing, replace them immediately. Clean the fittings thoroughly before using grease gun.

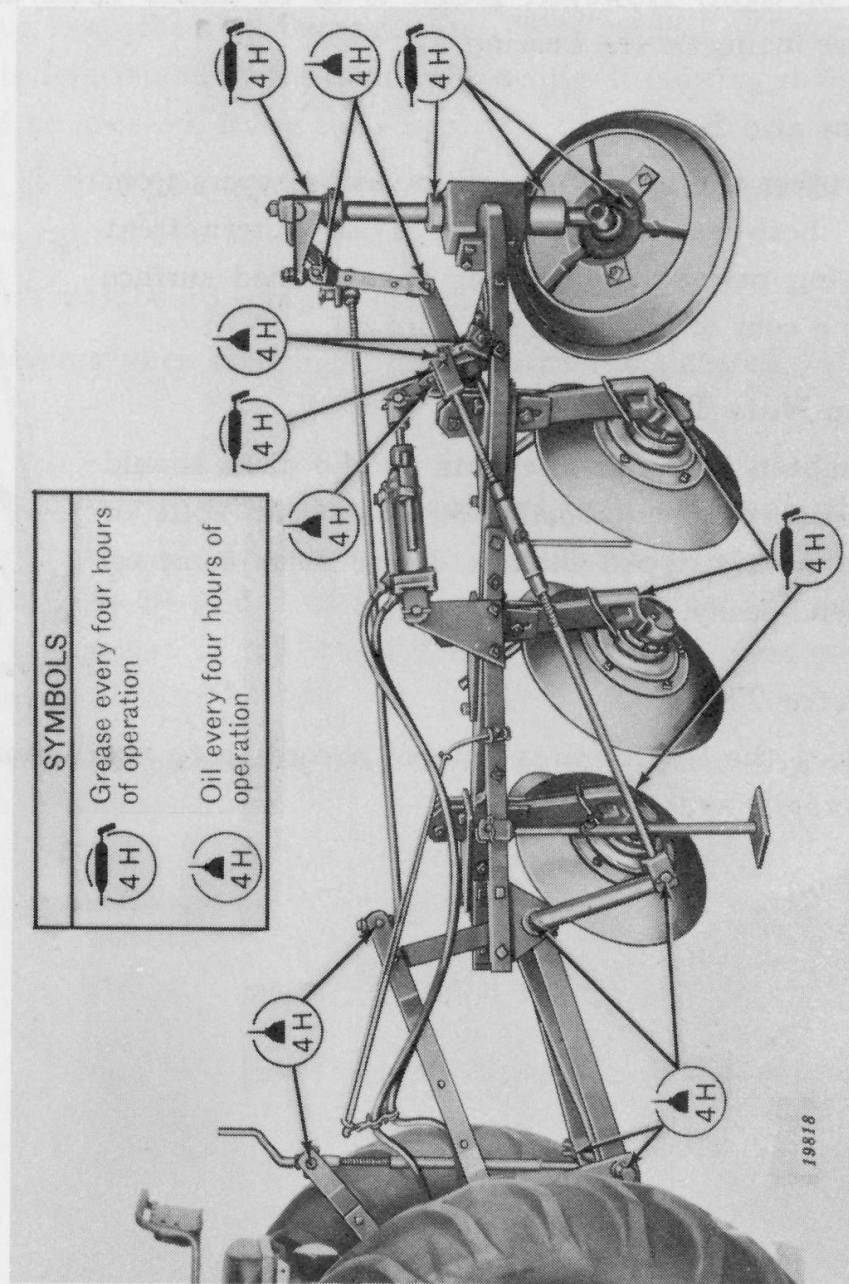


Figure 8—Lubrication Chart

SETTING-UP INSTRUCTIONS

General Instructions.

- A. Read all setting-up instructions and carefully observe illustrations.
- B. Cut bundling wires and conveniently arrange parts.
- C. Lubricate all bearings and moving parts as you proceed so that they move freely.

REGULAR SHIPPING BUNDLES

Bundle No.		AB22	AB23	G22	G23
SD 1091 A	P665A Wheel Weight.....	3	3	3	3
SD 1412 A	Cast Rear Wheel.....	1	1	1	1
SD 1622 A	Rear Axle Bearing.....	1	1	1	1
SD 1625 A	Frame Stand.....	1	1	1	1
SD 1741 A	Rear Axle.....	1	1	1	1
SD 1742 A	Leveling Parts.....	1	1	1	1
SD 641 A	26" Disk, 4-1/8" Concavity, .250 Thick.....	2	3	2	3
SD 1621 A	Power Lift Parts.....	1	....	1	....
SD 1624 A	Disk Bearing.....	2	3	2	3
SD 1743 A	Main Frame.....	1	....	1	....
SD 1744 A	Hitch Frame.....	1	....	1	....
SD 1745 A	Drawbar Bundle for "A" and "B" Tractors.....	1	1	....	....
SD 1628 A	Power Lift Parts.....	....	1	....	1
SD 1747 A	Main Frame.....	....	1	....	1
SD 1748 A	Hitch Frame.....	....	1	....	1
SD 1746 A	Drawbar Bundle for "G" Tractor..	....	....	1	1
SD 1095 A	Cap Screws for Cast Wheels.....	1	1	1	1
SD 1819 A	Turning Stop Bundle.....	1	1	1	1

SPECIAL SHIPPING BUNDLES

Bundle No.		AB22	AB23	G22	G23
SD 554 A	P496A Wheel Flange.....	1	1	1	1
DA 2096 A	JD1268R Wheel with Tire and Tube	1	1	1	1
JD 1268 R	Wheel, Less Tire and Tube.....	1	1	1	1
SD 638 A	24" Disk, 3-7/16" Concavity, .180 Thick.....	2	3	2	3
SD 642 A	24" Disk, 3-7/16" Concavity, .250 Thick.....	2	3	2	3
SD 645 A	28" Disk, 4-1/4" Concavity, .250 Thick.....	2	3	2	3
SD 649 A	28" Disk, Alloy, 4-1/4" Concavity, .250 Thick.....	2	3	2	3
SD 651 A	28" Disk, 4" Concavity, .3125 Thick	2	3	2	3
SD 1091 A	Wheel Weight.....	3	3	3	3
SD 1092 A	P667A Wheel Weight Adapter for JD1268R Wheel.....	1	1	1	1
SD 1093 A	P668A Wheel Weight for JD1268R Wheel.....	1	1	1	1

SPECIAL SHIPPING BUNDLES—Continued

Bundle No.		AB22	AB23	G22	G23
SD 1094 A	JD16 Bolt Assembly	1	1	1	1
SD 1629 A	Disk Scraper (Moldboard Type)	2	3	2	3
SD 1630 A	Disk Scraper (Hoe Type)	2	3	2	3

The Tractor.

Remove the power lift shaft master shield and the right fender on the tractor.

If 26-inch disks are to be used with the plow, the right rear tractor wheel must be set approximately 27 inches from the inside of the tire to center of drawbar, in average plowing conditions. Set the left rear tractor wheel all the way out on axle.

Remove the swinging drawbar from the tractor and put on drawbar furnished with the plow. Bolt the drawbar to the center of the crossbar at "A," Figure 9.

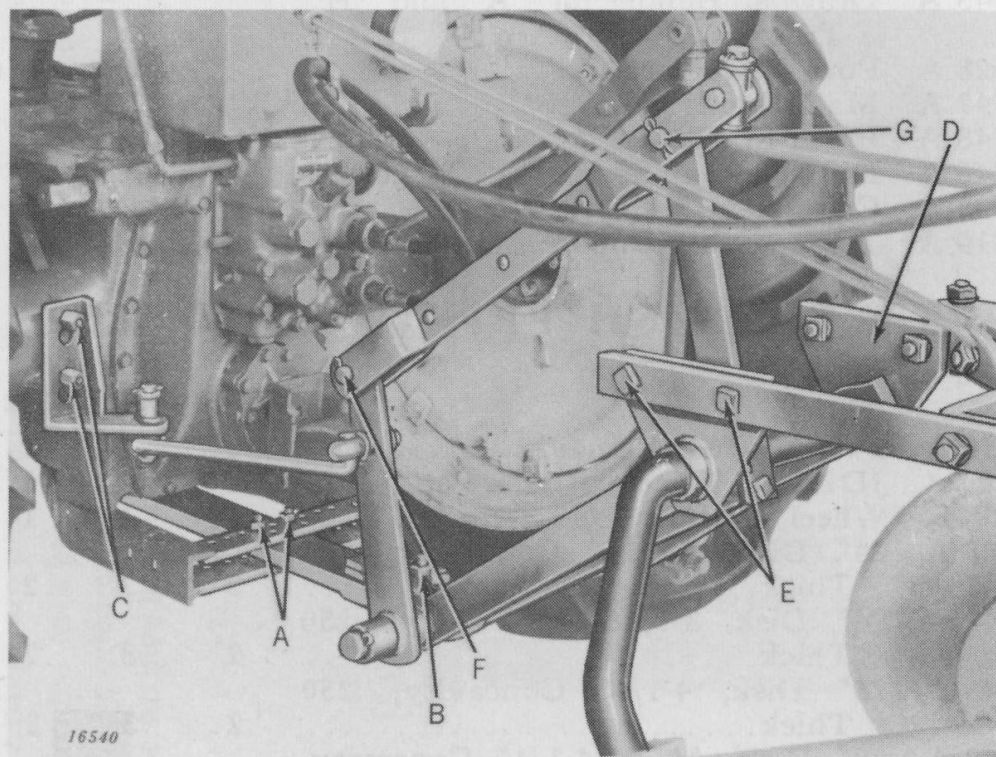


Figure 9—Attaching Hitch

Hitch.

Bolt the hitch to drawbar on tractor at "B," Figure 9.

Attach bracket to tractor housing at "C," Figure 9.

Insert upper hitch crossbar through right-hand hitch plate "D," Figure

9. Bolt left-hand hitch plate to frame at "E," Figure 9.

Attach front steering link at "F" and "G," Figure 9.

Attaching Rear Wheel and Axle.

Attach the rear wheel on axle as shown in Figure 10.

Insert axle in axle bearing "A," Figure 10.

Bolt axle bearing to frame at "B," Figure 10.

Power Lift Parts.

Remove nut on frame lifting shaft and insert shaft through bearing at "A," Figure 11.

Attach lift crank link to lift link bracket at "B," Figure 11.

Adjust the nut "C," Figure 10, so the axle is free to turn inside the lift link bracket.

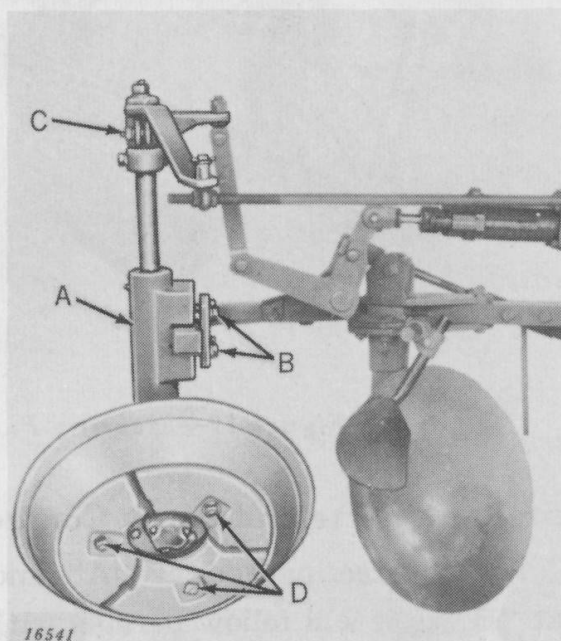


Figure 10—Attaching Rear Wheel and Axle

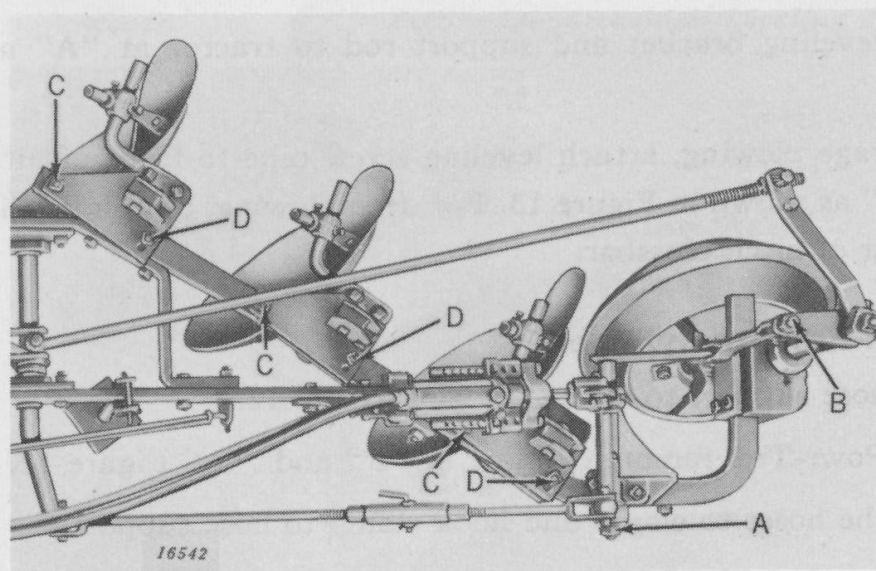


Figure 11—Power Lift Parts

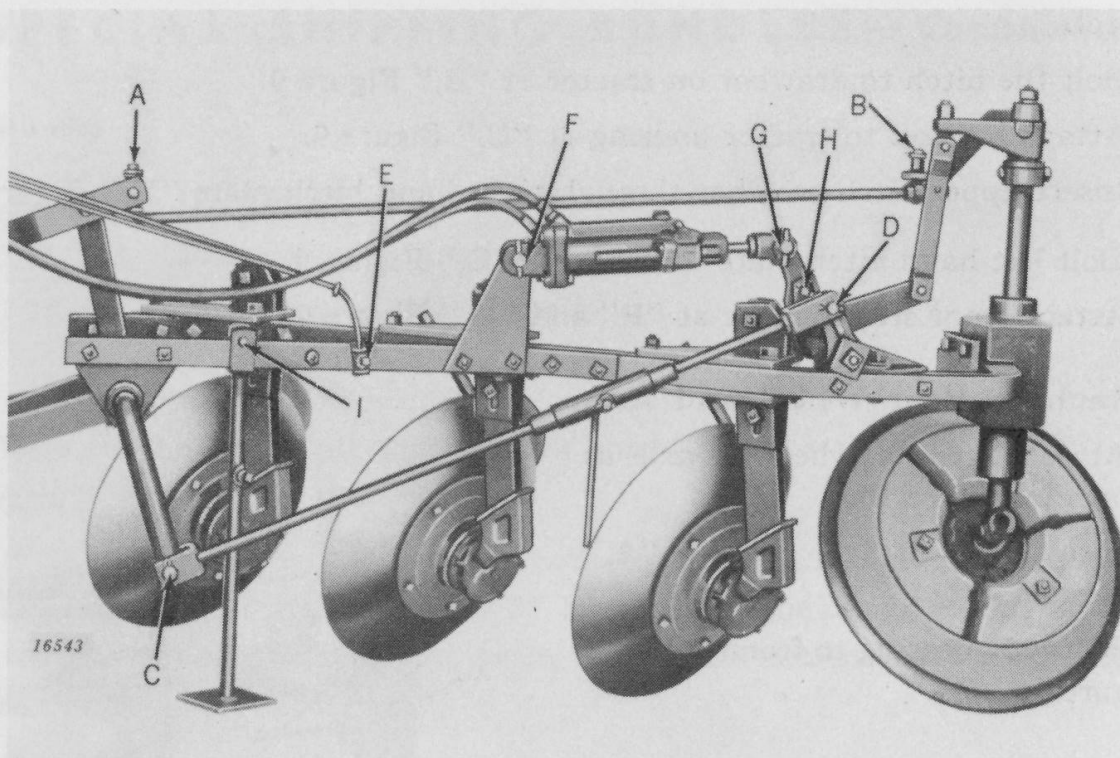


Figure 12—Steering Parts and Hitch Control Rod

Steering Parts and Hitch Control Rod.

Attach steering rod at "A" and "B," Figure 12. Adjust rear wheel at "B" so it will follow parallel with travel of plow.

Attach hitch control rod at "C" and "D," Figure 12.

Leveling Parts.

Attach leveling bracket and support rod to tractor at "A" and "B," Figure 13.

For average plowing, attach leveling screw pipe to front of hitch crossbar at "C," as shown in Figure 13. For deep plowing, attach leveling screw pipe to rear of hitch crossbar.

Powr-Trol Remote Cylinder.

Fasten hose support to frame at "E," Figure 12.

Attach Powr-Trol remote cylinder at "F" and "G," Figure 12.

Fasten the hoses to clamp and hook clamp to hose support.

Raise the plow slowly with the Powr-Trol lever and insert pin "H," Figure 12, and hold in place with spring locking pin.

Standards, Disks, and Scrapers.

Attach the disk bearings and standards to frame at "C" and "D," Figure 11.

Assemble the disks on the disk bearings.

If scrapers are used, attach as shown in Figure 11.

Wheel Weights.

Bolt the wheel weights to rear wheel at "D," Figure 10.

Frame Stand.

The frame stand must be attached to frame at "I," Figure 12, when tractor is removed from plow. Remove frame stand from frame before starting to plow.

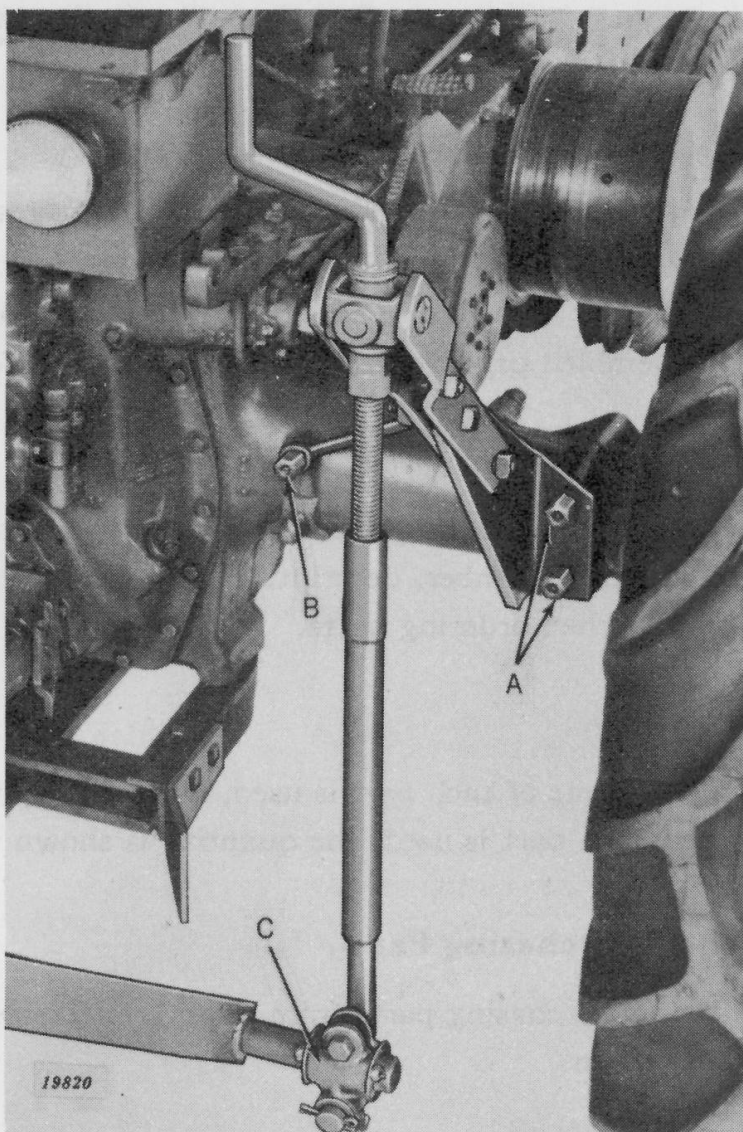


Figure 13—Attaching Leveling Parts

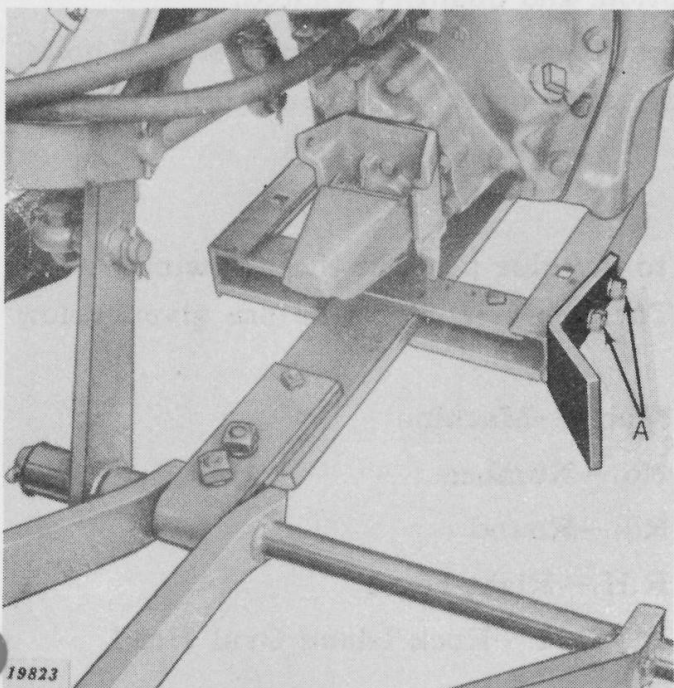


Figure 14—Turning Stop

Turning Stop.

Attach turning stop to tractor drawbar at "A," Figure 14.

PARTS LIST AND ILLUSTRATIONS

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 implement will perform better.

Key Number.

Each part has been given a key number which is used only as a guide 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 shown. If more than one of each part is used, the quantity is shown with the description.

When Purchasing Parts.

When purchasing parts from your John Deere dealer, give the following information:

- (a) Give the number of your plow.
- (b) Give part number, description, and quantity wanted.
- (c) Where part numbers are not indicated, as in case of standard bolts, nuts, washers, cotter pins, etc., order by size and description.

Abbreviations.

Abbreviations have been used to describe parts in the following lists of parts to condense information. The abbreviated words are given below with their abbreviations.

Btn.—Button

Cge.—Carriage

Hd.—Head

Hex.—Hexagon

L.H.—Left-Hand

L.W.—Lock Washer

Mach.—Machine

No.—Number

Rd.—Round

R.H.—Right-Hand

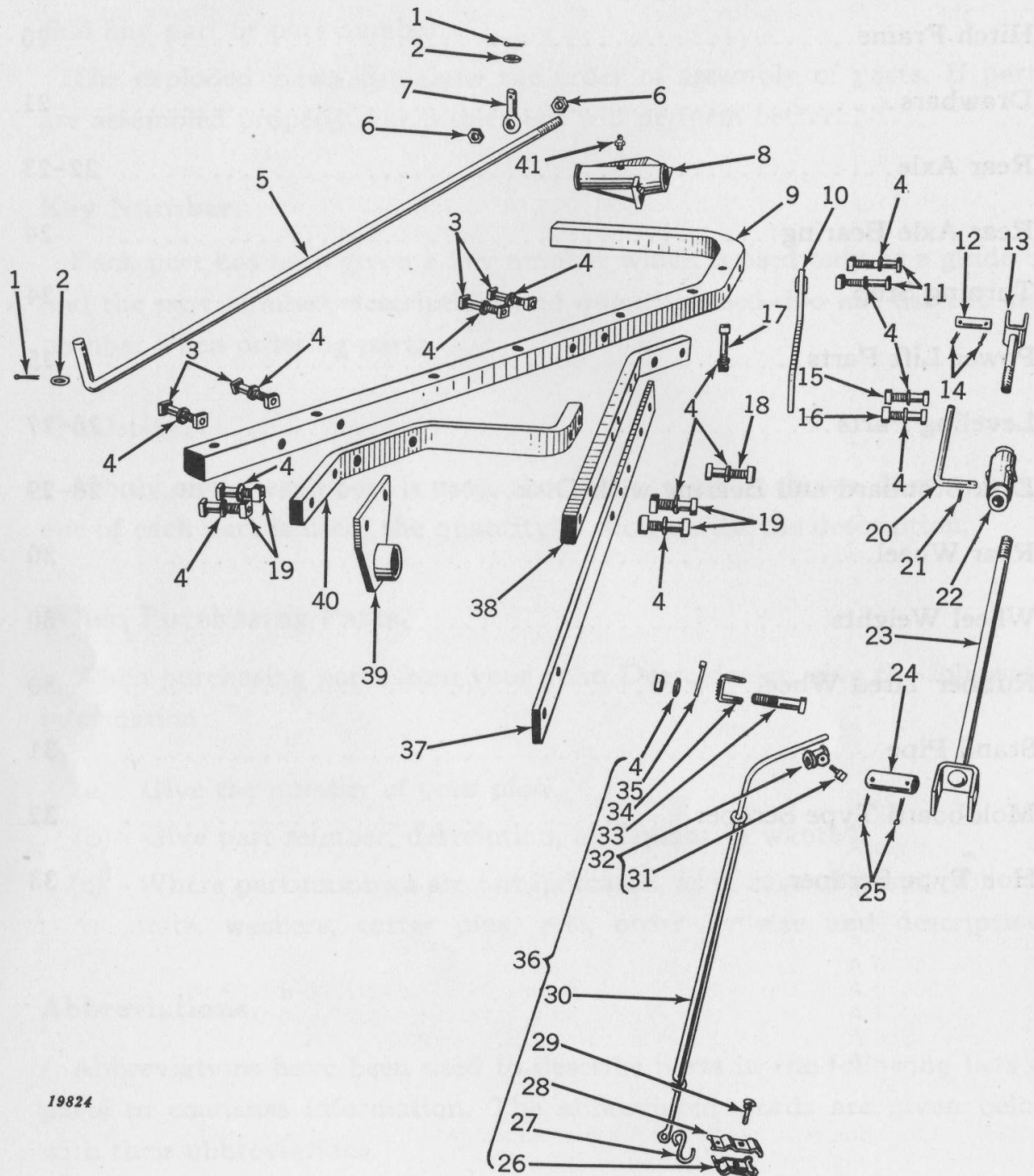
R.I.O.H.—Rock Island Oval Head

Sq.—Square

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Hoe Type Scraper.....	33

MAIN FRAME



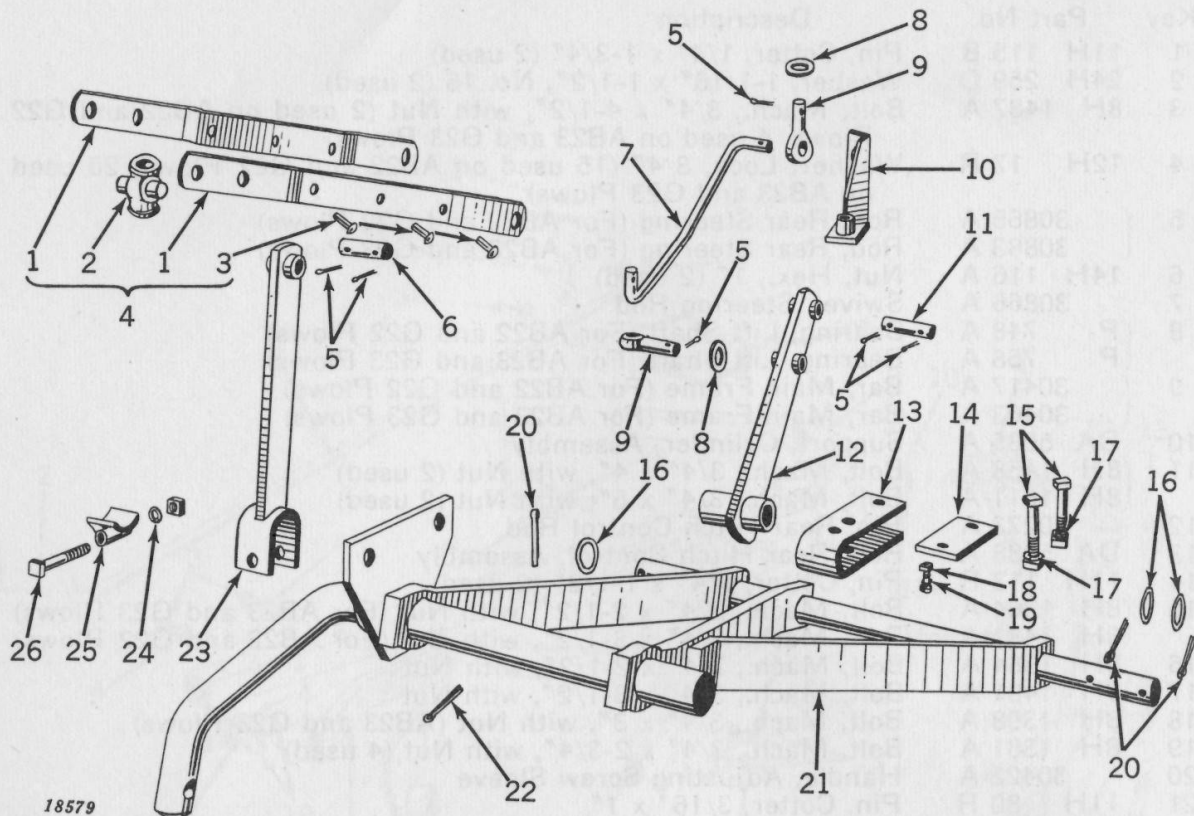
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MAIN FRAME—Continued

Key	Part No.	Description
1	11H 115 B	Pin, Cotter, 1/4" x 1-3/4" (2 used)
2	24H 259 D	Washer, 1-1/16" x 1-1/2", No. 16 (2 used)
3	8H 1487 A	Bolt, Mach., 3/4" x 4-1/2", with Nut (2 used on AB22 and G22 Plows, 4 used on AB23 and G23 Plows)
4	12H 17 R	Washer, Lock, 3/4" (15 used on AB22 and G22 Plows, 20 used on AB23 and G23 Plows)
5	(30865 A	Rod, Rear Steering (For AB22 and G22 Plows)
	30883 A	Rod, Rear Steering (For AB23 and G23 Plows)
6	14H 116 A	Nut, Hex., 1" (2 used)
7	30866 A	Swivel, Steering Rod
8	(P 748 A	Bearing, Lift Shaft (For AB22 and G22 Plows)
	(P 758 A	Bearing, Lift Shaft (For AB23 and G23 Plows)
9	(30417 A	Bar, Main Frame (For AB22 and G22 Plows)
	30463 A	Bar, Main Frame (For AB23 and G23 Plows)
10	DA 5085 A	Support, Cylinder, Assembly
11	(8H 1458 A	Bolt, Mach., 3/4" x 4", with Nut (2 used)
	(8H 1511 A	Bolt, Mach., 3/4" x 5", with Nut (2 used)
12	30273 A	Pin, Rear Hitch Control Rod
13	DA 5088 A	Rod, Rear Hitch Control, Assembly
14	11H 113 R	Pin, Cotter, 1/4" x 1-1/2" (2 used)
15	(8H 1364 A	Bolt, Mach., 3/4" x 2-1/2", with Nut (For AB23 and G23 Plows)
	(8H 1431 A	Bolt, Mach., 3/4" x 3-1/2", with Nut (For AB22 and G22 Plows)
16	8H 1364 A	Bolt, Mach., 3/4" x 2-1/2", with Nut
17	8H 1431 A	Bolt, Mach., 3/4" x 3-1/2", with Nut
18	8H 1398 A	Bolt, Mach., 3/4" x 3", with Nut (AB23 and G23 Plows)
19	8H 1381 A	Bolt, Mach., 3/4" x 2-3/4", with Nut (4 used)
20	30422 A	Handle, Adjusting Screw Sleeve
21	11H 80 R	Pin, Cotter, 3/16" x 1"
22	P 747 A	Sleeve, Adjusting Screw
23	(DA 5087 A	Rod, Front Hitch Control, Assembly (For AB22 and G22 Plows)
	(DA 5107 A	Rod, Front Hitch Control, Assembly (For AB23 and G23 Plows)
24	30423 A	Pin, Hitch Crossbar
25	11H 135 B	Pin, Cotter, 5/16" x 1-1/2" (2 used)
26	30010 A	Clamp, Short Hose
27	12912 A	S-Hook
28	30009 A	Clamp, Long Hose
29	.....	Bolt, Cge., 5/16" x 1-1/4", with Nut
30	DA 4833 A	Support, Hose, Assembly
31	22H 109 D	Screw, Set, Cup Point, 7/16" x 3/4"
32	(E 394 AN	Order CA28AN
	(CA 28 AN	Collar, with Set Screw
33	8H 1441 A	Bolt, Mach., 3/4" x 3-3/4", with Nut
34	G 765 A	Bracket, Hose Support Rod
35	G 766 A	Plate, Hose Support Rod Bracket
36	DA 5110 A	Support, Hose, Complete
37	30419 A	Bar, Front Frame Side, L.H. (For AB22 and G22 Plows)
38	30464 A	Bar, Front Frame Side, L.H. (For AB23 and G23 Plows)
39	DA 5086 A	Plate, Hitch Bar Bracket, Assembly
40	30418 A	Bar, Front Frame Side, R.H.
41	JD 7759	Fitting, Grease

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

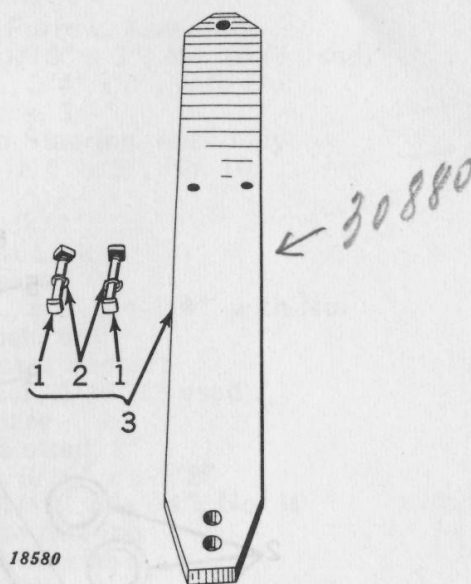
HITCH FRAME



Key	Part No.	Description
1	30875 A	Link, Front Steering (2 used)
2	C 242 A	Swivel
3	17H 45 A	Rivet, R.I.O.H., 1/2" x 1-1/4" (3 used)
4	DA 5348 A	Link, Front Steering
5	11H 113 R	Pin, Cotter, 1/4" x 1-1/2" (8 used)
6	30879 A	Pin, Rear Steering Post
7	30876 A	Rod, Front Steering
8	24H 259 D	Washer, 1-1/16" x 1-1/2", No. 16 (2 used)
9	30866 A	Swivel, Steering Rod
10	DA 5340 A	Bracket, Steering Rod, Assembly
11	30879 A	Pin, Steering Post
12	DA 5343 A	Post, Front Steering Assembly
13	30646 A	Clevis, Hitch
14	30877 A	Filler, Hitch Clevis
15	8H 1431 A	Bolt, Mach., 3/4" x 3-1/2", with Nut (2 used)
16	24H 334 F	Washer, 1-9/16" x 2-1/4", No. 16 (3 used)
17	12H 17 R	Washer, Lock, 3/4" (2 used)
18	.....	Bolt, Plow, No. 3, 7/16" x 1-1/2", with Nut
19	12H 12 R	Washer, Lock, 7/16"
20	11H 164 A	Pin, Cotter, 3/8" x 2-1/4" (3 used)
21	(DA 5341 A	Frame, Hitch Assembly (For AB22 and G22 Plows)
	(DA 5347 A	Frame, Hitch Assembly (For AB23 and G23 Plows)
22	11H 167 A	Pin, Cotter, 3/8" x 2-3/4"
23	DA 5345 A	Post, Rear Steering, Assembly
24	12H 15 R	Washer, Lock, 5/8"
25	P 750 A	Block, Steering Post Clamp
26	.....	Bolt, Mach., 5/8" x 3-3/4", with Nut

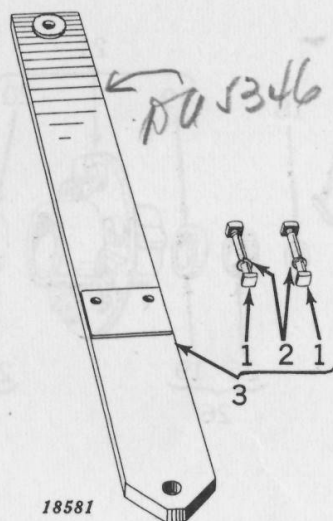
NOTE: Only one part used in this grouping unless otherwise indicated.

DRAWBAR FOR JOHN DEERE MODELS "A" AND "B" TRACTORS



Key	Part No.	Description
1	7H 847 R	Bolt, Mach., 1/2" x 2-3/4", with Nut (2 used)
2	12H 13 R	Washer, Lock, 1/2" (2 used)
3	SD 1745 A	Drawbar, with Bolts and Lock Washers

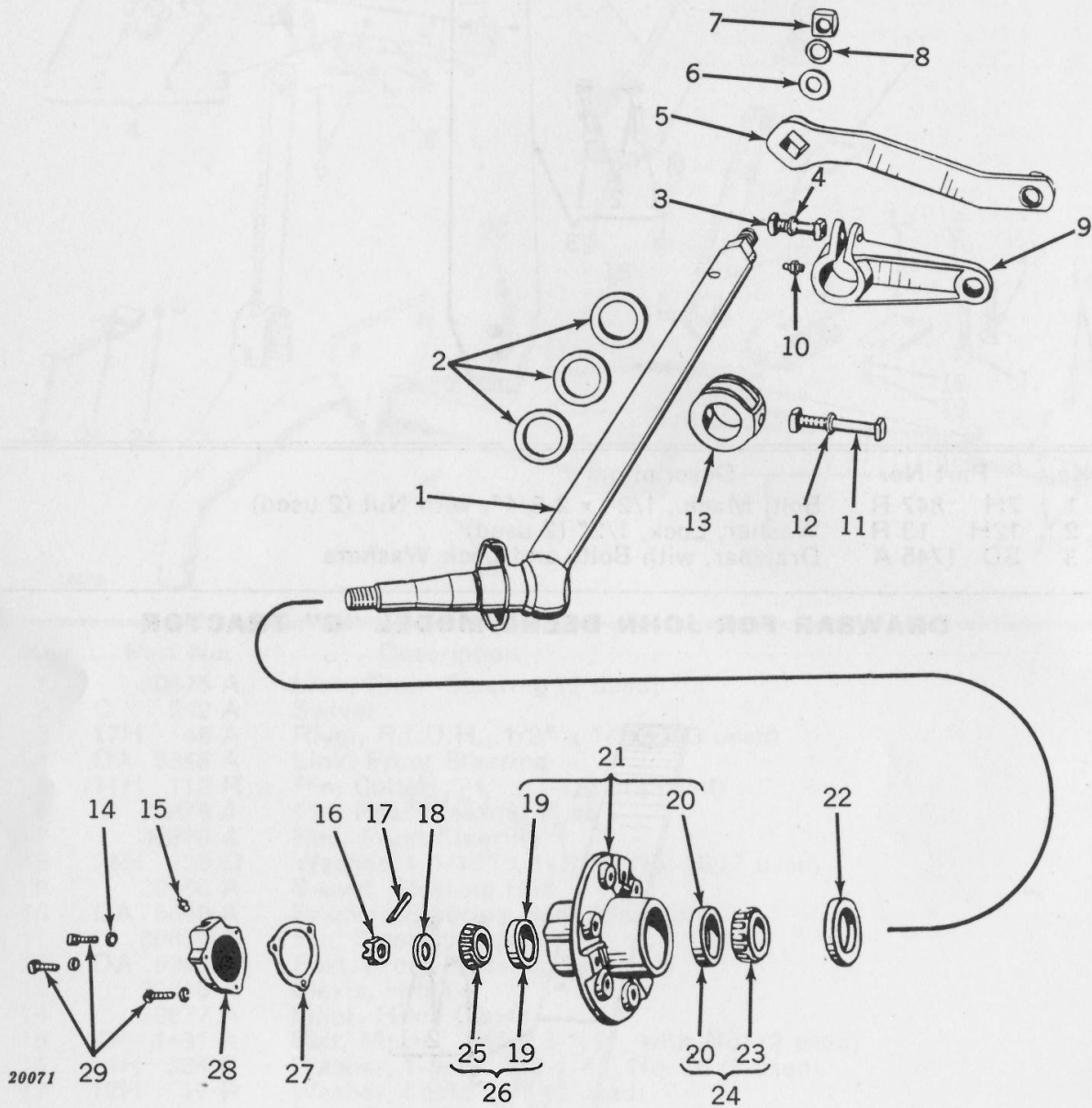
DRAWBAR FOR JOHN DEERE MODEL "G" TRACTOR



Key	Part No.	Description
1	7H 861 H	Bolt, Mach., 1/2" x 3", with Nut (2 used)
2	12H 13 R	Washer, Lock, 1/2" (2 used)
3	SD 1746 A	Drawbar, with Bolts and Lock Washers

NOTE: Only one part used in these groupings unless otherwise indicated.

REAR AXLE



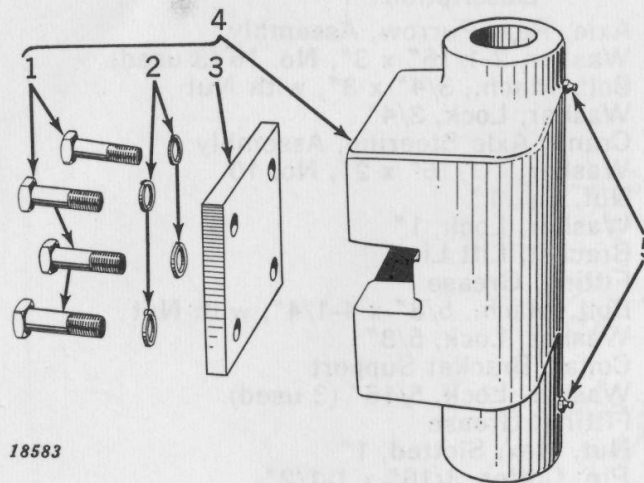
NOTE: Only one part used in these groupings unless otherwise indicated.

REAR AXLE—Continued

Key	Part No.	Description
1	WX 909 A	Axle, Rear Furrow, Assembly
2	24H 353 M	Washer, 2-1/16" x 3", No. 16 (3 used)
3	8H 1385 R	Bolt, Mach., 3/4" x 3", with Nut
4	12H 17 R	Washer, Lock, 3/4"
5	DA 5335 A	Crank, Axle Steering, Assembly
6	24H 641 A	Washer, 1-1/16" x 2", No. 10
7	14H 24 H	Nut, Sq., 1"
8	12H 21 R	Washer, Lock, 1"
9	P 757 A	Bracket, Lift Link
10	JD 7759	Fitting, Grease
11	8H 1118 A	Bolt, Mach., 5/8" x 4-1/4", with Nut
12	12H 15 R	Washer, Lock, 5/8"
13	P 756 A	Collar, Bracket Support
14	12H 10 R	Washer, Lock, 5/16" (3 used)
15	JD 7805	Fitting, Grease
16	14H 745 A	Nut, Hex. Slotted, 1"
17	11H 84 R	Pin, Cotter, 3/16" x 1-1/2"
18	24H 640 A	Washer, 1-1/16" x 1-3/4", No. 10
19	JD 7266 R	Cup, Outside Bearing
20	JD 7270 R	Cup, Inside Bearing
21	(A 1553 R	Order AA1399R
	AA 1399 R	Hub Assembly
22	29807 A	Seal, Grease
23	JD 7224 R	Cone, Inside Bearing
24	JD 7324	Bearing, Complete
25	JD 7216 R	Cone, Outside Bearing
26	JD 7316	Bearing, Complete
27	A 1556 R	Gasket
28	A 1555 R	Cap, Hub
29	19H 121 T	Screw, Cap, Hex. Hd., 5/16" x 1-1/4" (3 used)

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

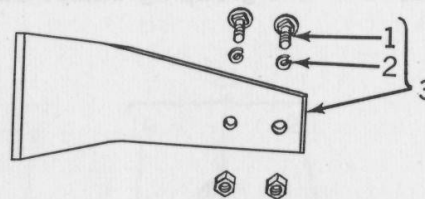
REAR AXLE BEARING



18583

Key	Part No.	Description
1	.....	Bolt, Mach., 3/4" x 2-3/4", less Nut (4 used)
2	12H 17 R	Washer, Lock, 3/4" (4 used)
3	30450 A	Plate, Rear Axle Bearing Clamp
4	(P 755 A SD 1622 A	Bearing, Rear Axle, Complete
5	JD 7759	Fitting, Grease (2 used)

TURNING STOP

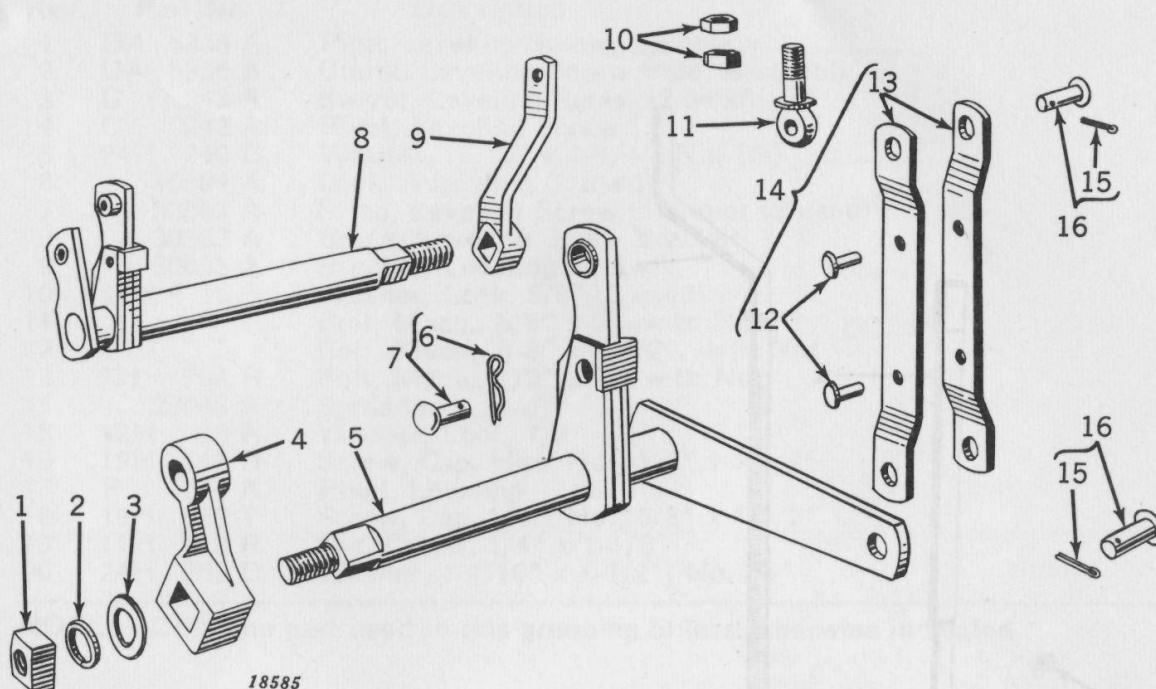


18587

Key	Part No.	Description
1	.....	Bolt, Cge., 5/8" x 1-1/2", with Nut (2 used)
2	12H 15 R	Washer, Lock, 5/8" (2 used)
3	SD 1819 A	Stop, Turning, Complete

NOTE: Only one part used in these groupings unless otherwise indicated.

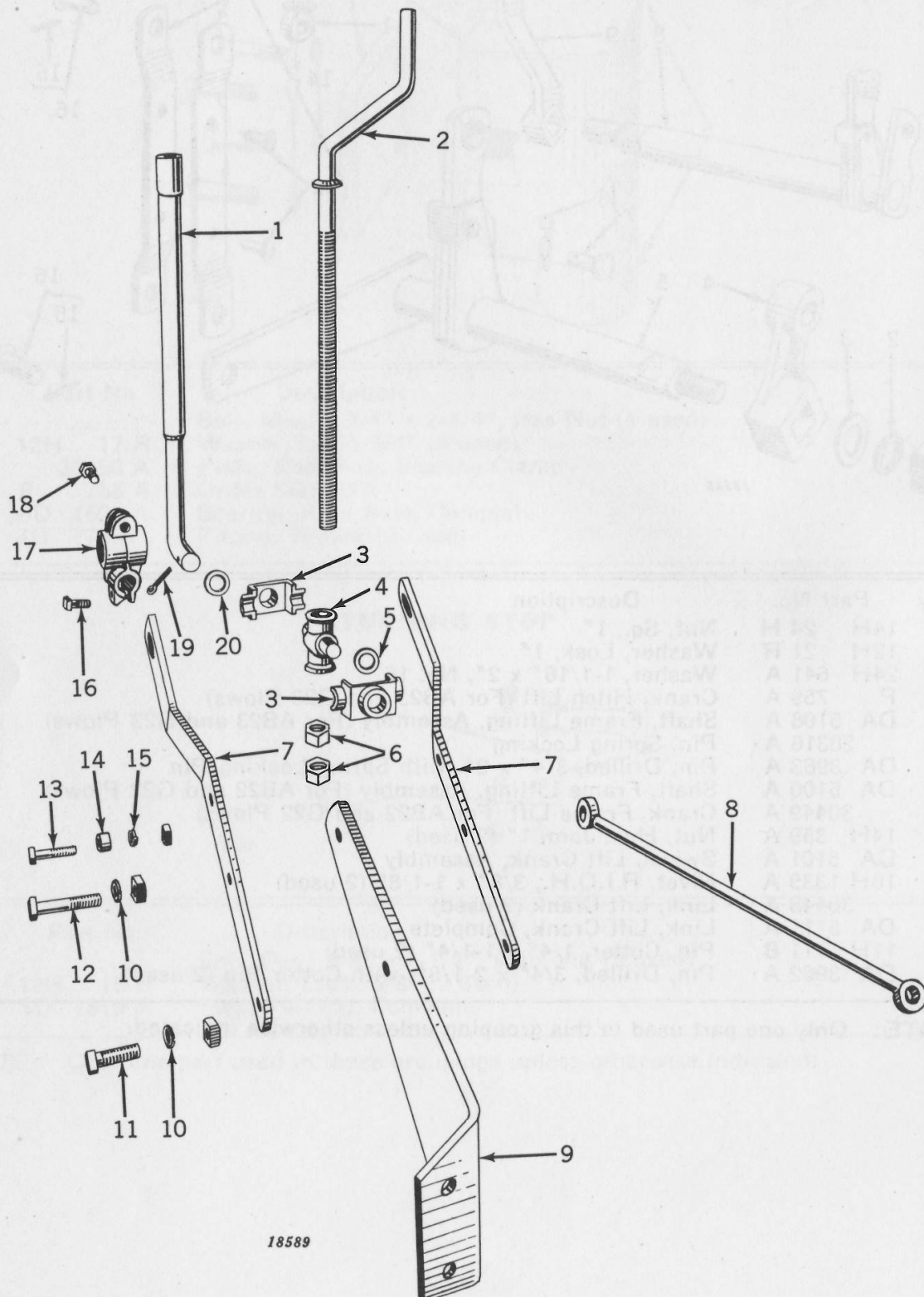
POWER LIFT PARTS



Key	Part No.	Description
1	14H 24 H	Nut, Sq., 1"
2	12H 21 R	Washer, Lock, 1"
3	24H 641 A	Washer, 1-1/16" x 2", No. 16
4	P 759 A	Crank, Hitch Lift (For AB23 and G23 Plows)
5	DA 5108 A	Shaft, Frame Lifting, Assembly (For AB23 and G23 Plows)
6	28316 A	Pin, Spring Locking
7	DA 3963 A	Pin, Drilled, 3/4" x 2", with Spring Locking Pin
8	DA 5100 A	Shaft, Frame Lifting, Assembly (For AB22 and G22 Plows)
9	30449 A	Crank, Frame Lift (For AB22 and G22 Plows)
10	14H 359 A	Nut, Hex. Jam, 1" (2 used)
11	DA 5101 A	Swivel, Lift Crank, Assembly
12	16H 1339 A	Rivet, R.I.O.H., 3/8" x 1-1/8" (2 used)
13	30448 A	Link, Lift Crank (2 used)
14	DA 5111 A	Link, Lift Crank, Complete
15	11H 111 B	Pin, Cotter, 1/4" x 1-1/4" (2 used)
16	DA 3962 A	Pin, Drilled, 3/4" x 2-1/8", with Cotter Pin (2 used)

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

LEVELING PARTS



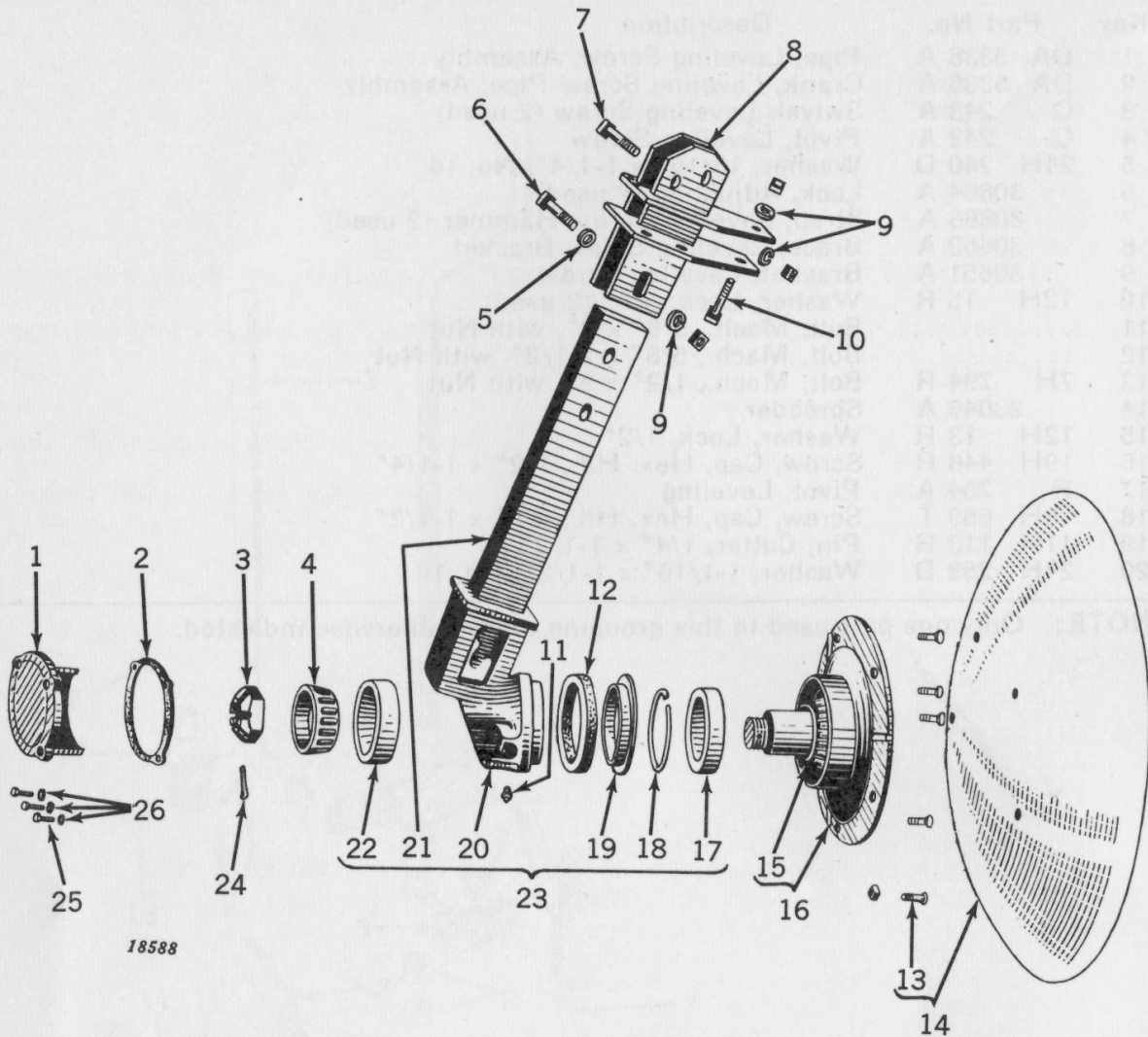
18589

LEVELING PARTS—Continued

Key	Part No.	Description
1	DA 5338 A	Pipe, Leveling Screw, Assembly
2	DA 5336 A	Crank, Leveling Screw Pipe, Assembly
3	C 243 A	Swivel, Leveling Screw (2 used)
4	C 242 A	Pivot, Leveling Screw
5	24H 240 D	Washer, 15/16" x 1-1/4", No. 16
6	30864 A	Lock, Adjusting (2 used)
7	30863 A	Strap, Leveling Screw Hammer (2 used)
8	30652 A	Brace, Leveling Screw Bracket
9	30651 A	Bracket, Leveling Screw
10	12H 15 R	Washer, Lock, 5/8" (2 used)
11	.....	Bolt, Mach., 5/8" x 2", with Nut
12	.....	Bolt, Mach., 5/8" x 2-1/2", with Nut
13	7H 794 R	Bolt, Mach., 1/2" x 2", with Nut
14	23046 A	Spreader
15	12H 13 R	Washer, Lock, 1/2"
16	19H 448 R	Screw, Cap, Hex. Hd., 1/2" x 1-1/4"
17	P 754 A	Pivot, Leveling
18	19H 659 T	Screw, Cap, Hex. Hd., 5/8" x 1-1/2"
19	11H 113 R	Pin, Cotter, 1/4" x 1-1/2"
20	24H 259 D	Washer, 1-1/16" x 1-1/2", No. 16

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

DISK STANDARD AND BEARING WITH DISKS

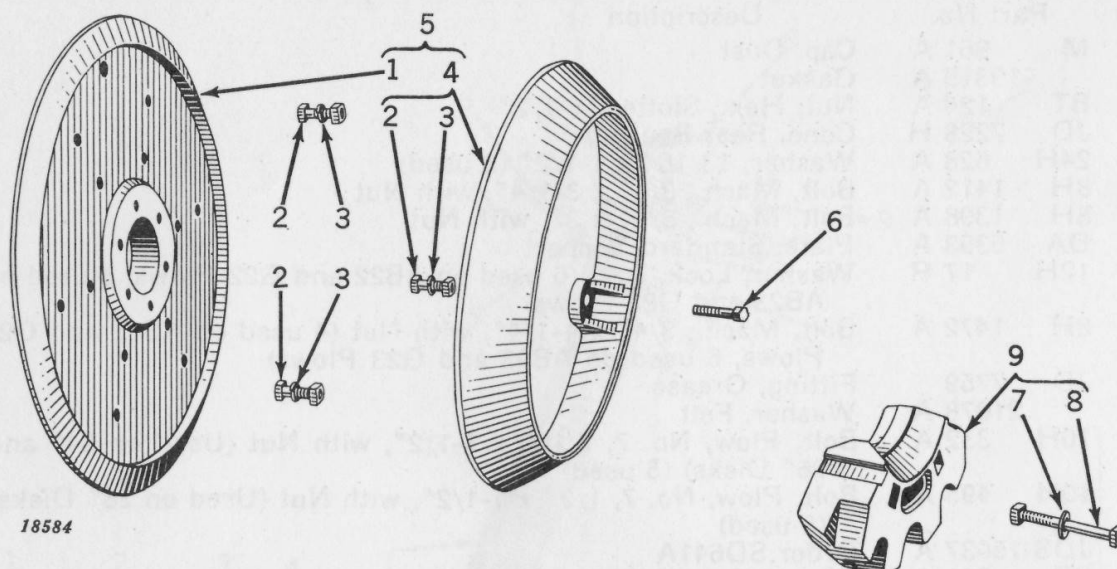


DISK STANDARD AND BEARING WITH DISKS—Continued

Key	Part No.	Description
1	M 961 A	Cap, Dust
2	19315 A	Gasket
3	BT 124 A	Nut, Hex., Slotted, 1-1/2"
4	JD 7228 H	Cone, Rear Bearing
5	24H 628 A	Washer, 13/16" x 1-1/2" (2 used)
6	8H 1412 A	Bolt, Mach., 3/4" x 3-1/4", with Nut
7	8H 1398 A	Bolt, Mach., 3/4" x 3", with Nut
8	DA 5353 A	Plate, Standard Support
9	12H 17 R	Washer, Lock, 3/4" (6 used on AB22 and G22 Plows, 8 used on AB23 and G23 Plows)
10	8H 1472 A	Bolt, Mach., 3/4" x 4-1/4", with Nut (4 used on AB22 and G22 Plows, 6 used on AB23 and G23 Plows)
11	JD 7759	Fitting, Grease
12	21078 A	Washer, Felt
13	10H 332 A	Bolt, Plow, No. 7, 7/16" x 1-1/2", with Nut (Used on 24" and 26" Disks) (5 used)
	10H 495 A	Bolt, Plow, No. 7, 1/2" x 1-1/2", with Nut (Used on 28" Disks) (5 used)
14	JDS 15637 A	Order SD641A
	SD 641 A	Disk, 26", with Bolts (Regular)
	JDS 1805 A	Order SD638A
	SD 638 A	Disk, 24", with Bolts (Optional)
	JDS 17873 A	Order SD642A
	SD 642 A	Disk, 24", with Bolts (Optional)
	JDS 22181 A	Order SD645A
	SD 645 A	Disk, 28", with Bolts (Optional)
	JDL 23477 A	Order SD649A
	SD 649 A	Disk, 28", with Bolts (Optional)
	JDS 23884 A	Order SD651A
	SD 651 A	Disk, 28", with Bolts (Optional)
15	JD 7242 R	Cone, Bearing
16	DA 3180 A	Spindle, Disk, with Bearing Cone, Nut and Cotter
17	JD 7292 R	Cup, Front Bearing
18	22172 A	Ring, Retaining
19	22336 A	Retainer, Felt Washer
20	P 688 A	Order DA5356A
21	30453 A	Order DA5356A
22	JD 7278 H	Cup, Rear Bearing
23	DA 5356 A	Standard, Disk Bearing, Assembly
24	11H 88 R	Pin, Cotter, 3/16" x 2"
25	19H 211 R	Screw, Cap, Hex. Hd., 3/8" x 1" (3 used)
26	12H 11 R	Washer, Lock, 3/8" (3 used)

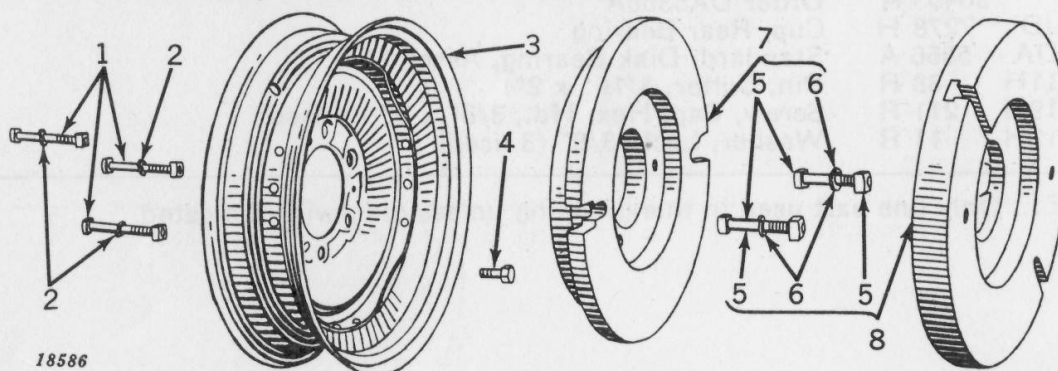
NOTE: Only one part used in this grouping unless otherwise indicated.

REAR WHEEL AND WHEEL WEIGHTS



Key	Part No.	Description
1	P 725 A	Wheel, Cast
2	.....	Bolt, Mach., 5/8" x 2", with Nut (3 used)
3	12H 15 R	Washer, Lock, 5/8" (3 used)
4	(P 496 A SD 554 A	Order SD554A or SD1412A Flange, with Bolts and Lock Washers
5	SD 1412 A	Wheel, Rear Cast, with Flange
6	.....	Screw, Cap, Hex. Hd., 9/16" x 2-3/4" (6 used)
7	24H 489 A	Washer, 11/16" x 1-1/2", No. 12
8	.....	Bolt, Mach., 5/8" x 5-1/2", with Nut
9	(P 665 A SD 1091 A	Order SD1091A Weight, Wheel, with Bolt

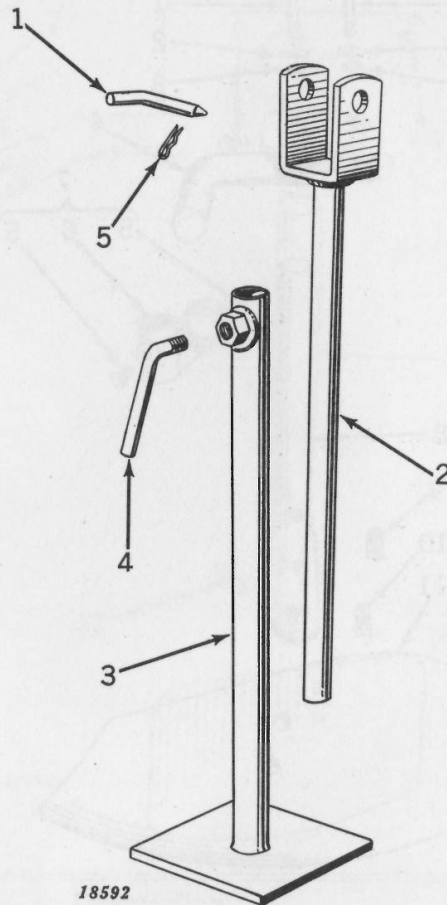
WHEEL, WHEEL ADAPTER AND WHEEL WEIGHT



Key	Part No.	Description
1	7H 909 R	Bolt, Mach., 1/2" x 3-3/4", with Nut (3 used)
2	12H 13 R	Washer, Lock, 1/2" (3 used)
3	(JD 1268 R DA 2096 A	Wheel, 4.00 x 16", less Tire and Tube Wheel, with Tire and Tube, 5.50 x 16"
4	JD 16 R	Bolt, Wheel (6 used)
5	.....	Bolt, Mach., 5/8" x 3", with Nut (2 used)
6	12H 15 R	Washer, Lock, 5/8" (2 used)
7	(P 667 A SD 1092 A	Order SD1092A Adapter, Wheel Weight, with Bolts and Lock Washers
8	(P 668 A SD 1093 A	Order SD1093A Weight, Wheel, with Bolts and Lock Washers

NOTE: Only one part used in these groupings unless otherwise indicated.

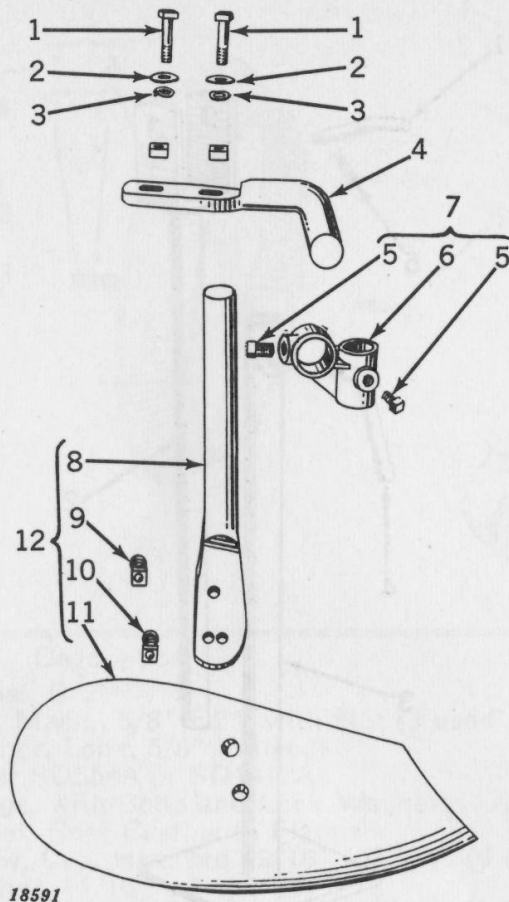
STAND PIPE



Key	Part No.	Description
1	30461 A	Pin, Stand
2	DA 5106 A	Bracket, Adjusting Rod, Assembly
3	DA 5105 A	Pipe, Lower Stand, Assembly
4	28868 A	Crank, Lock
5	28316 A	Pin, Spring Locking

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

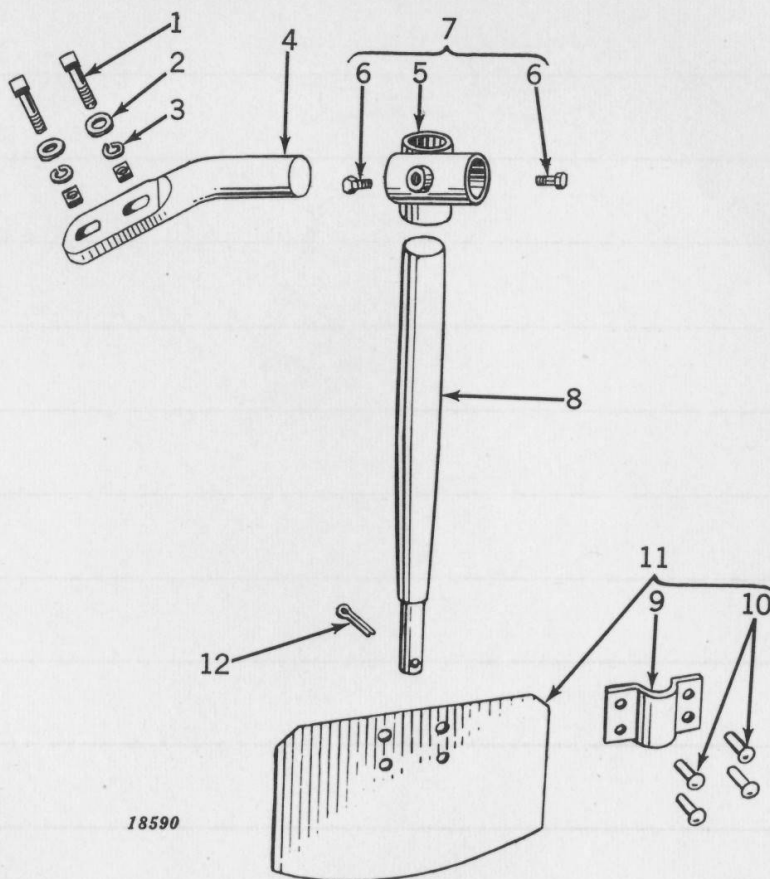
MOLDBOARD TYPE DISK SCRAPER



Key	Part No.	Description
1	8H 964 T	Bolt, Mach., 5/8" x 2-1/4", with Nut (2 used)
2	24H 842 A	Washer, 11/16" x 1-3/8", No. 10 (2 used)
3	12H 15 R	Washer, Lock, 5/8" (2 used)
4	30468 A	Arm, Scraper
5	22H 234 D	Screw, Set, Cup Point, 5/8" x 1" (2 used)
6	P 760 A	Clamp, Scraper Shank
7	DA 5119 A	Clamp, with Set Screws
8	16605 A	Shank, Scraper Blade
9	.....	Bolt, Plow, No. 7, 3/8" x 1-1/8"
10	.....	Bolt, Plow, No. 7, 3/8" x 1"
11	16604 A	Blade, Scraper
12	DA 998 A	Blade and Shank

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

HOE TYPE DISK SCRAPER



18590

Key	Part No.	Description
1	8H 964 T	Bolt, Mach., 5/8" x 2-1/4", with Nut (2 used)
2	24H 842 A	Washer, 11/16" x 1-3/8", No. 10 (2 used)
3	12H 15 R	Washer, Lock, 5/8" (2 used)
4	30468 A	Arm, Scraper
5	P 760 A	Clamp, Scraper Shank
6	22H 234 D	Screw, Set, Cup Point, 5/8" x 1" (2 used)
7	DA 5119 A	Clamp, with Set Screws
8	18960 A	Shank
9	10273 A	Block, Scraper Blade
10	16H 646 N	Rivet, Flat Hd., 1/4" x 1/2" (4 used)
11	DA 999 A	Blade, with Block and Rivets, Complete
12	11H 109 B	Pin, Cotter, 1/4" x 1"

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

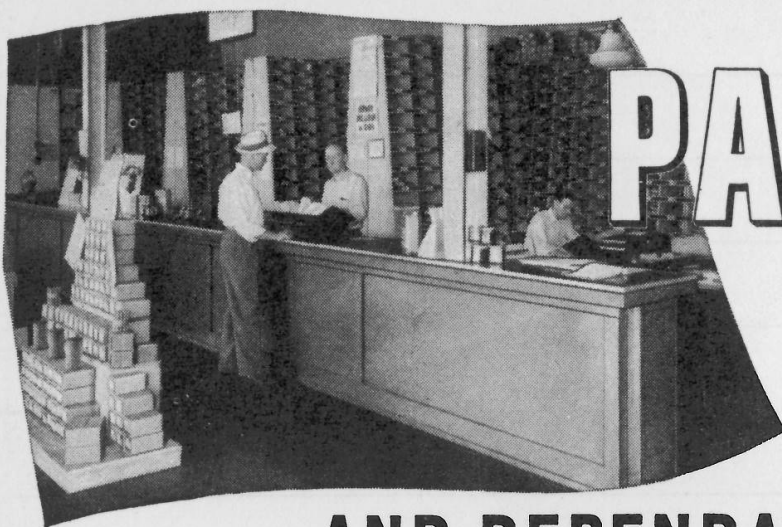
MEMORANDA

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MEMORANDA

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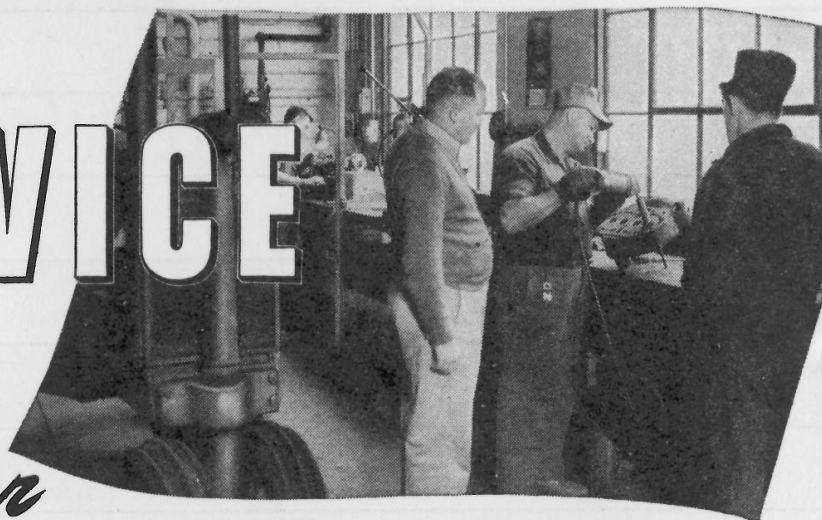
FOR GENUINE JOHN DEERE



PARTS

AND DEPENDABLE

SERVICE



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JOHN DEERE DEALER

WHEN you need new parts for your John Deere equipment, always *insist on genuine John Deere parts*. They are made from the same patterns, of the same high-quality materials as the original parts. They will save you money because they fit properly, wear better, last longer and maintain the high quality of your equipment throughout its long working life.

You'll also find it pays to take advantage of the facilities offered by your John Deere dealer when you need special service for your John Deere equipment. He has *trained mechanics* who know your equipment best. He has *special equipment* for doing special work efficiently and economically. He will give you complete satisfaction on any work necessary to keep your equipment in A-1 condition.

**GENUINE JOHN DEERE PARTS FIT BETTER,
LAST LONGER, AND DUPLICATE ORIGINALS.
YOUR JOHN DEERE DEALER HAS TRAINED
MECHANICS WHO KNOW YOUR EQUIPMENT**



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

JOHN DEERE

QUALITY EQUIPMENT

for your farming operations

TRACTORS: Standard-tread, general-purpose and orchard wheel-type tractors in many sizes and types; a light track-type tractor.

PLOWS: All sizes and types, moldboard and disk, including integral moldboard and disk types for John Deere general-purpose tractors. Middlebreakers. Disk tillers in all sizes. Plow-sole fertilizer attachment for plows.

LISTERS: One-, two-, and three-row for cotton, corn, and other crops. Integral middlebreakers and bedders and bedder planters for John Deere general-purpose tractors.

HARROWS: Single- and double-action disk types, drawn and integral. Offset disk harrows for orchard, vineyard, and cover-crop work. Spike-tooth harrows, spring-tooth harrows, and spring-tooth weed destroyers.

GRAIN DRILLS: Tractor- and horse-drawn grain drills in a size and type for every seeding job. Plain drills, fertilizer-grain drills, press drills, plow press drills, deep-furrow drills, and grass seed drills available. Adjustable-gate fluted force-feeds or double-run feeds. Choice of furrow openers. Fertilizer and grass seed attachments available. Lime and fertilizer distributors. Seeding attachments for disk tillers.

PLANTERS: Two- and four-row for corn, two-row for cotton, peanuts, and other crops. Multi-row planters for beets, beans, and other narrow-row crops with or without fertilizer attachment. One-, two-, and four-row planting and fertilizing attachments for cultivators. Transplanter units.

POTATO MACHINERY: One- and two-row planters with or without fertilizer attachment. One- and two-row tractor-driven diggers. Hoe and hilling attachment.

CULTIVATORS: One-, two-, four-, and six-row for flat-planted crops; one-, two-, and four-row for listed crops. Field and orchard cultivators with stiff or spring teeth. Beet and bean cultivators. Rotary hoes. Rod weeders.

DUSTERS: For cotton, corn, and vegetables.

HAY MACHINERY: Power-driven mowers, tractor-drawn mower, and enclosed-gear horse mowers. Side-delivery rakes, hay loaders, sweep rakes, sulky rakes, automatic pickup baler, hay choppers.

HARVESTING MACHINERY: Self-propelled combines; pull-type combines in 6- to 20-foot sizes; hillside combines. Grain binders, corn binders. Windrowers. Power-driven one- and two-row corn pickers. Ensilage harvesters; blowers. Bean harvesters. Peanut pullers. Cotton harvesters.

GRAIN ELEVATORS: Portable, for ear corn and small grains, portable type for small grains only.

HAMMER AND FEED MILLS: Two types, five sizes to fit every need. Power and hand shellers.

MANURE SPREADERS: Horse-drawn and tractor-drawn. Also lime-spreading attachment. Manure loader.

FARM WAGONS: Rubber-tired gears. Wagon box.

MISCELLANEOUS: Deep tillage equipment, including panbreakers, subsoilers, ditchers, and chisel cultivators. Corrugators. Land levelers. Tire pumps. Integral and drawn tool carriers, brush rake, and dozer blade attachments for tool carriers. Stalk cutter.