

A200, B200 and G200 Series Tractor Cultivators for "A", "B" or "G" Tractors



JOHN DEERE

OPERATORS MANUAL A200, B200 and G200 Series Tractor Cultivators for "A", "B" or "G" Tractors

OMA171047 (01OCT47) English

OMA171047 (01OCT47)

LITHO IN U.S.A.
ENGLISH



YOUR NEW CULTIVATOR

Behind your new cultivator is an organization that has designed and built farm implements for over 100 years. This cultivator was built in a John Deere Factory by experienced men, many who have worked in this large plant 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 cultivators.

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 cultivator to work properly in all types of field cultivation. These adjustments such as row spacing and proper leveling of shovels or sweeps are fully covered in this manual. Study the manual carefully and make it your guide.

Occasionally your cultivator 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 assures you of genuine John Deere parts or other 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 cultivator is delivered, he can give you prompt and efficient service.

JOHN DEERE A200-B200-G200 SERIES TRACTOR CULTIVATORS

No. of Cultivator..... Date Purchased 19.....
(To be filled in by Purchaser)

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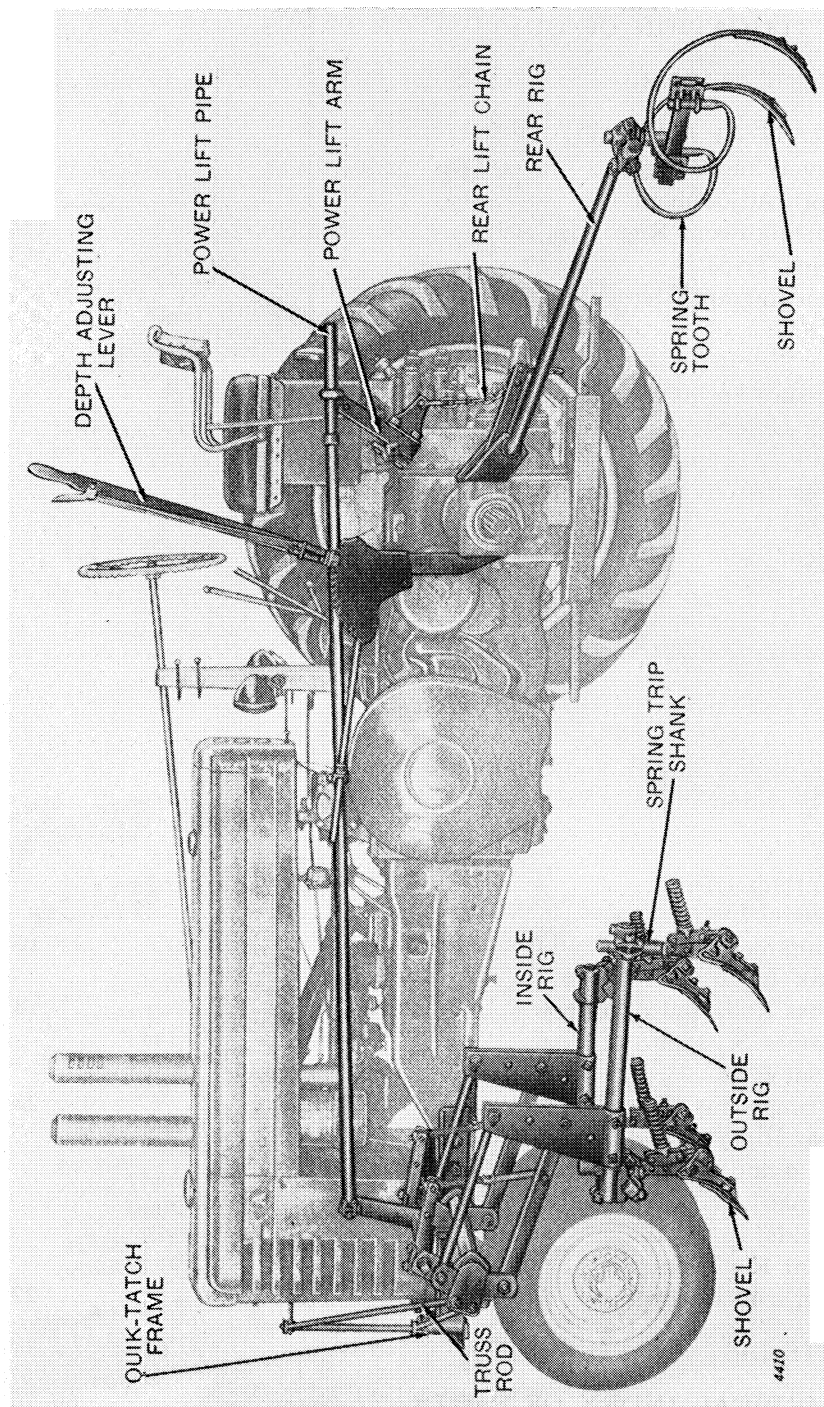


Figure 1—A207, B207 or G207 Power Lift Tractor Cultivator

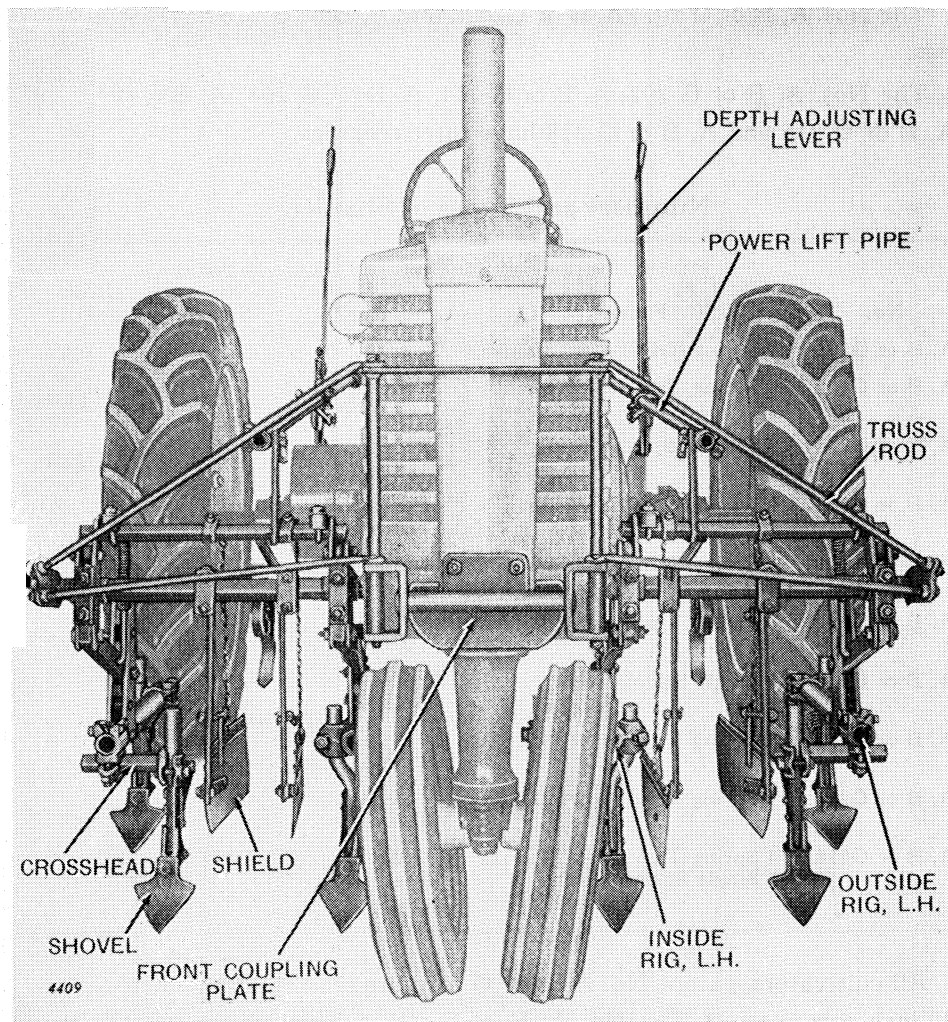


Figure 2—Front View A207, B207 or G207 Power Lift Tractor Cultivator

SPECIFICATIONS

Description.

All the cultivators listed below have four front rigs.

The Nos. A, B or G 201 has no rear rigs.

The Nos. A, B or G 207; A, B or G 214, and A, B or G 216 have two rear rigs.

The Nos. A, B or G 202; A, B or G 204, A, B or G 208; A, B or G 212; A, B or G 215 and A, B or G 218 have three rear rigs.

Numbers and Types of Shanks

No.	Front	Rear	Total No. of Sweeps	Row Spacing
A, B or G201	11 Spring Trip 1-3/8" Shanks	None	11	28"-42"
A, B or G202	8 Spring Trip 1-3/8" Shanks	3 Spring Trips 1-3/8" Shanks	11	34"-42"
A, B or G204	8 Double Spring Teeth	6 Single Sprg. Teeth	14	34"-42"
A, B or G207	9 Spring Trip 1-3/8" Shanks	4 Single Sprg. Teeth	13	34"-42"
A, B or G208	8 Spring Trip 1-3/8" Shanks	6 Single Sprg. Teeth	14	34"-42"
A, B or G212	8 Spring Trip 1-3/8" Shanks	3 Spring Trips 1-3/8" Shanks	11	28"-42"
A, B or G214	11 Single Spring Teeth	4 Single Sprg. Teeth	15	28"-42"
A, B or G215	16 Spring Trip 1-3/8" Shanks	6 Spring Trip Shanks 1-1/8"	22	28"-60"
A, B or G216	11 Spring Trip 1-3/8" Shanks	4 Single Spring Teeth	15	28"-48"
A, B or G218	4 Spring Trip 1-3/8" Shanks 7 Single Spring Teeth	6 Single Sprg. Teeth	17	28"-48"

All cultivators, except No. A, B or G 215, are erected at the factory for 40-inch row spacing. The No. A, B or G 215 cultivators are erected for 60-inch rows. To adjust rigs for other row spacing see instructions, Page 9.

OPERATING AND ADJUSTING

Shovels and Sweeps.

Remove varnish from shovels and sweeps to obtain a quick polish. Be sure shovels or sweeps are at a uniform height to insure even cultivation.

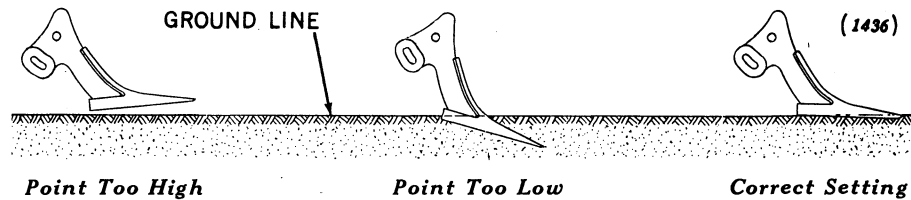


Figure 3—Setting Sweeps on Shanks

Leveling Shovels or Sweeps.

There is only a limited amount of vertical adjustment in the offset shank—therefore, first adjust the offset shank to the desired position and then *level all shovels or sweeps to the shovel or sweep on the offset shank*. All shovels or sweeps must be set in the correct setting in relation to the ground. (See Figure 3.)

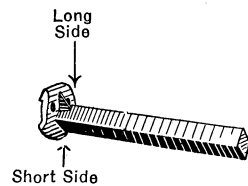


Figure 4

CAUTION: The clamp end of the cross-arms are $\frac{3}{4}$ -inch longer on one side than on the other. (Note construction of crossheads.) The crosshead should ordinarily be installed in the clamp so that the longer side of clamp end is down, thus providing ample vertical adjustment to level shovels or sweeps. (See Figure 4.)

Power Lift Cultivators.

The front and rear rigs are raised and lowered by the hydraulic system on the tractor.

Depth Adjustment.

The levers control the depth at which the front rigs operate. The depth of the rear rigs is controlled by the lifting chains at the rear ("D", Figure 32) by inserting bolt at lower end in proper chain link.

CAUTION: The position of the set screw collar at "K", Figure 31, determines the height of lift of the cultivator rigs. The collar is adjusted at the factory for the Model "B" Tractor. When used with Models "A" or "G" the collar must be readjusted to obtain maximum lift. But care must be used on making this adjustment to prevent breakage of lift parts, which might occur if collar is set too far back on pipe. The collar at "I", Figure 31, which regulates the cultivation depth should also be adjusted to correspond with the setting of collar "K", Figure 31.

Cultivating Point Rows.

The two notches in the front end of the ratchet for the hand adjusting levers on power lift cultivators are provided so that either side of the cultivator can be raised for working point rows.

Leveling and Tilting the Front Rigs.

Each front rig lifting rod is provided with a threaded adjustment "E", Figure 31. Adjust so that all rigs operate at the same level. Tilt the rigs up or down with slotted adjustment at "M", Figure 31.

Spring Trips.

Each spring trip should be tripped before starting cultivator to give assurance that they will function properly. The tension on the spring trips may be adjusted with the nut "N", Figure 31 at the rear end of the spring. If additional adjustment is required, this may be procured with the set screw which is just below the spring. However, this is a factory adjustment and rarely requires changing. One-half to one turn of the set screw makes a big difference in the action of the trip. To make the trip hold tighter, turn the set screw out; turn the set screw in to make the trip release more easily.

ATTACHING QUIK-TATCH CULTIVATOR

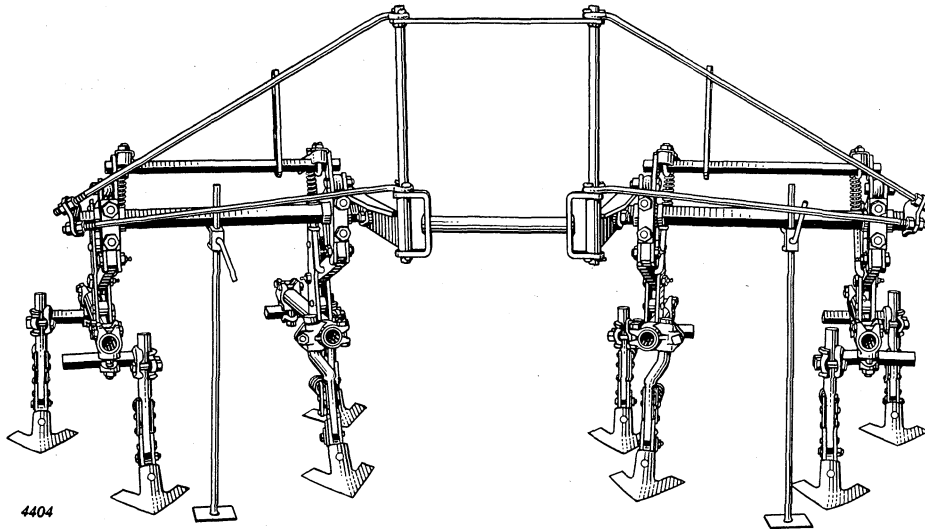


Figure 5—Quik-Tatch Cultivator on Stands

Front section of cultivator must be in position as shown in Figure 5. Drive tractor forward into cultivator as shown in Figure 6, until cultivator Quik-Tatch frame engages Quik-Tatch front coupling plate on tractor. Then swing right and left front sections to tractor frame, fastening with bolt as at "A", Figure 7.

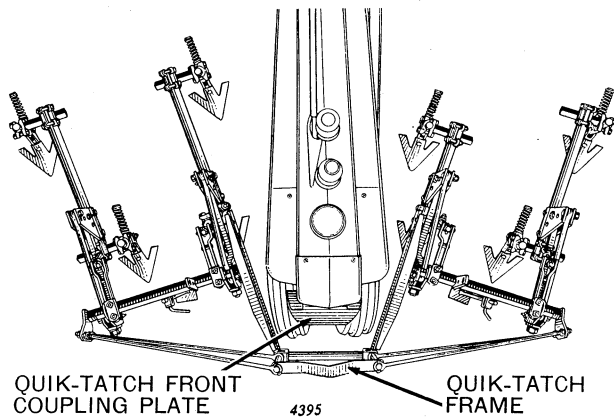


Figure 6—Driving Tractor into Quik-Tatch Cultivator

Attach lifting pipes and remove stands. Stands should be carried on front section of cultivator, permitting quick accessibility.

If rear rigs are to be used, attach as explained under "Setting Up", Page 24.

DETACHING CULTIVATOR

Cultivator with Quik-Tatch.

Lower cultivator so that shovels are resting on fairly level ground. Remove lever assemblies and rear rigs by loosening large hexagon nuts on studs on the tractor. Also disconnect rear lift chains from arms on rockshaft.

Remove lifting pipes as shown in Figure 8. Slotted key "A" permits easy removal.

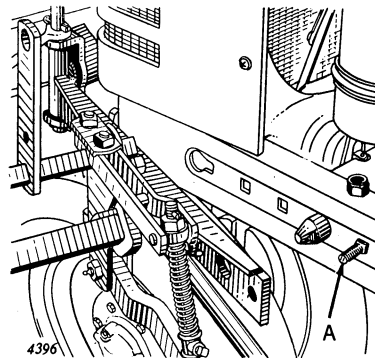


Figure 7—Attaching Quik-Tatch Frame to Tractor

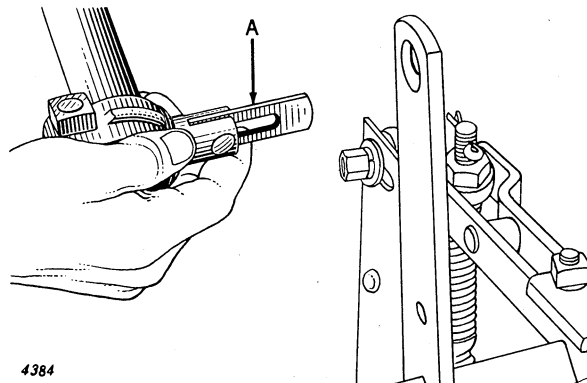


Figure 8—Lifting Pipe, Attaching or Detaching

Take nut off bolt "A", Figure 9, on right and left sides of frame.

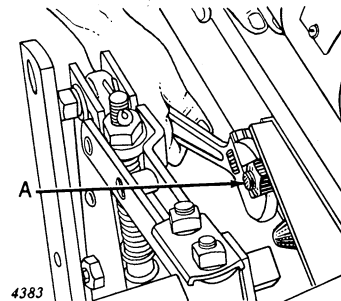


Figure 9—Detaching Cultivator with Quik-Tatch Frame

Place support stands in position on each side of main frame at an angle, the clamp part being nearer the tractor and resting firmly against the underside of the frame bar. Pull the frames away from the tractor and back the tractor away from the cultivator. See Figure 10.

Front Coupling Plate, Figure 10, may be left on tractor, unless the pedestal studs are needed for another attachment. The lift arms on rock-shaft may also be left in place.

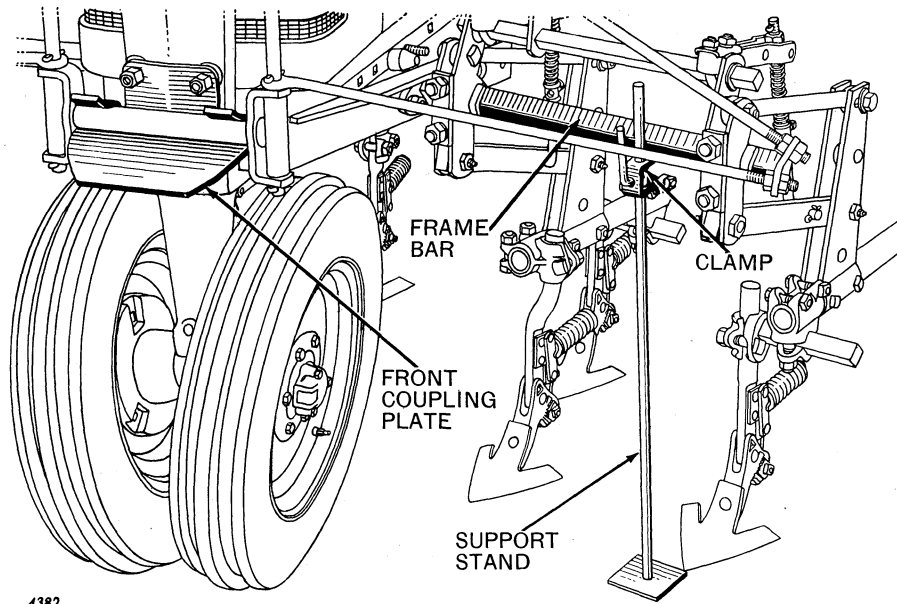


Figure 10—Removing Front Frame and Rigs

Cultivator Without Quik-Tatch.

Remove lever assemblies, rear rigs and lifting pipes as explained under *Cultivator with Quik-Tatch* on Page 7. Detach the truss rods, Figures 23 and 24.

To remove the front rigs it is necessary to take out only the four bolts which fasten the frame bars to the tractor. These bolts have hexagon nuts which fit the regular wrench furnished with the tractor. If tractor has buttonholes simply loosen the nuts on the bolts, as shown in Figure 26.

Shields.

Shield arms may be attached either ahead of the frame bar (as shown in "A", Figure 34) or behind, depending on the fore-and-aft setting of the shield desired. The smooth side of the shield should be toward the shovels so dirt and trash will not catch on the straps of shields.

Shields may be adjusted for side play at "C", Figure 34. If a swinging shield is wanted, loosen bolt until shield swings freely and tighten lock nut. If a rigid shield is desired, screw bolt up tight then back off 1/2 turn and tighten lock nut.

Level shields by adjusting the threaded eyebolt at "D", Figure 34.

Adjust height of shields with chain.

Row Spacing. The front rigs when shipped from factory are set on frame bars for 40-inch rows. See table on Page 4 for different row spacings for which rigs can be set.

NOTE: When moving rig hangers on frame bars for different width rows be sure both sides of cultivator are set exactly alike.

Set front shovels in or out by adjusting crosshead at "L", Figure 31 to distance desired from row.

Rear rigs are adjustable in or out in the bearings. When making this change, shift the lifting brackets to conform. Shanks are also adjustable in or out on the rear rigs.

Setting the A, B or G204 Cultivator in 34-Inch Row Spacing.

It is necessary to interchange the clamps and the inside rig pipes. The rear clamp is placed on the front of the rig pipe and the clamp and crosshead placed on the rear of the rig pipe.

In order to get clearance between the front spring tooth and front tractor wheels, the shank on the front spring tooth is reversed, thus setting the spring tooth 5 inches to the rear.

Pressure Springs.

Tension on the pressure springs attached to the lifting pipes, and the pressure springs on the rear rigs should be adjusted when the cultivator is in the ground in working position. Place only enough tension on these springs to keep the shovels down to work.

SPECIAL EQUIPMENT

(Furnished on Orders)

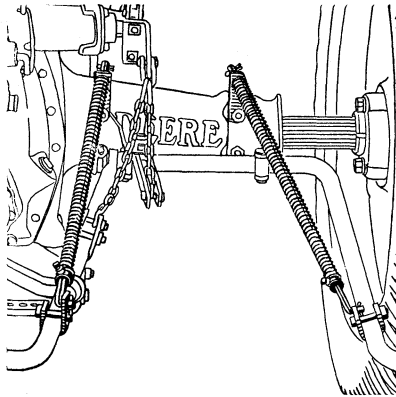


Figure 11—Spring Pressure Attachment

attachable to any cultivator in the A, B or G200 Series. They are used next to the rows in place of shovel shanks or spring teeth. One pair (one right-hand and one left-hand) required for each row (Figure 12).

When attached, the shank should be cranked forward or, in other words, the hub bearing should be ahead of the clamp which holds the shank at the upper end. This setting provides greater clearance and a larger range of adjustment.

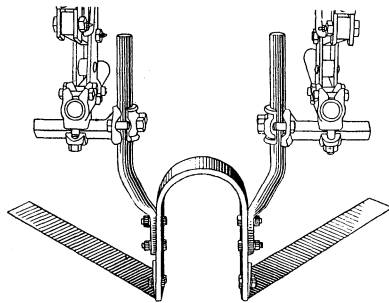


Figure 13—No. 1 Knife Attachment

Knife Attachment.

The knife attachment is adaptable to any two- or four-row tractor cultivator rigs. Special penetration springs for this attachment are available for difficult conditions, when ordered (Figure 13).

Spring Pressure Attachment.

Pressure Spring Attachment consisting of one spring for each rear rig —For use in very hard ground (Figure 11).

SC205A 12-Inch and
SC206A 14-Inch Disk Hillers.

Disk Hillers are at-

ters are at-

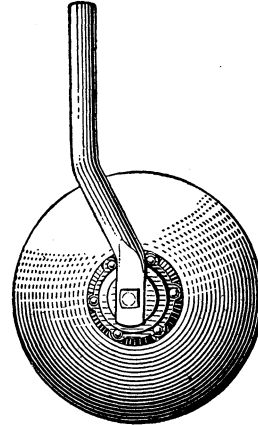


Figure 12—Disk Hiller

Additional lateral adjustment can be obtained by using crossheads for attaching the disk shanks at the front end of cultivator rig pipes.

The disks may be set for hilling (throwing dirt toward the plant row), or for barring off (throwing dirt away from the row).

SC145A Spread Arch.

This spread arch is adaptable to any two- or four-row tractor cultivator rig. This attachment is desirable for use in throwing up beds with SC205A and SC206A Disk Hillers. It prevents rigs from spreading apart (Figure 14).

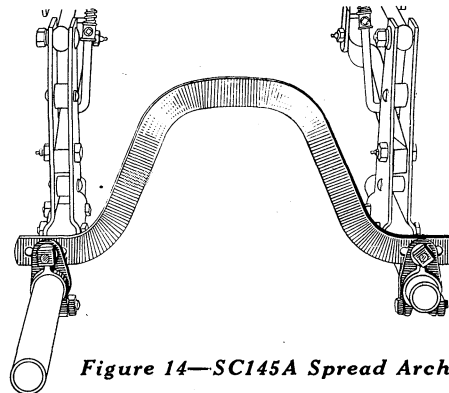


Figure 14—SC145A Spread Arch

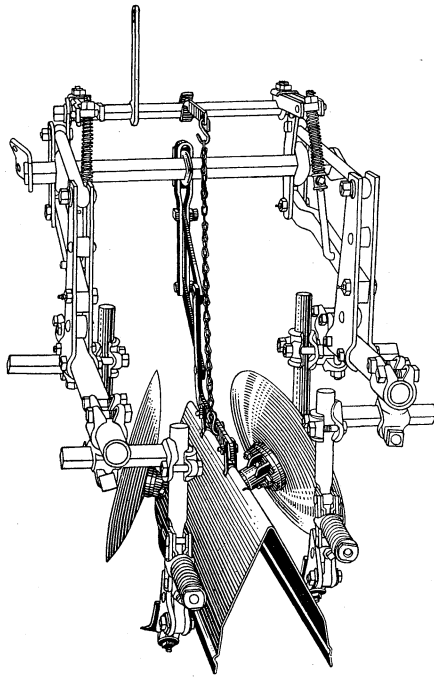


Figure 15—Listed Corn Cultivating Attachment

Listed Corn Cultivating Attachment.

This attachment is adaptable to any two- or four-row tractor cultivator for listed corn (Figure 15).

SC150A Spread Bar.

This spread bar is used in connection with planting attachments (Figure 16).

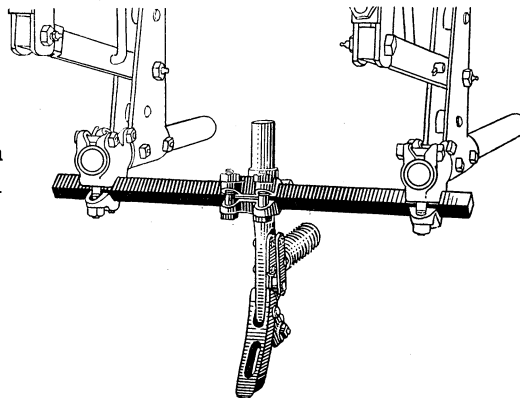


Figure 16—SC150A Spread Bar

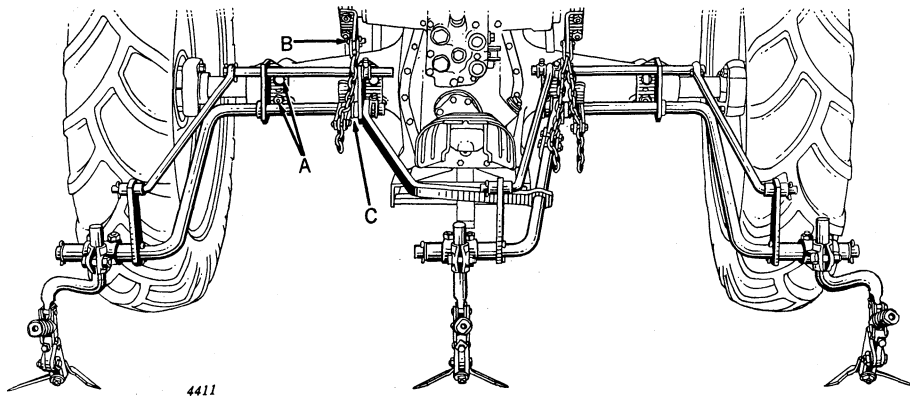


Figure 17—No. 32 Rear Rig Section with SC137A Shank Bundle

Offset Shanks.

When the outside rear rigs are provided with the SC137A shank bundle (2—6-inch offset shanks as shown in Figure 17), the outside shovels will center on 48-inch rows.

No. 1 Center Attachment.

The No. 1 Center Attachment (Figure 18) is available for converting the row type cultivator to the field type for use in open fields. This attachment is clamped to the pipe of the outside rigs back of the second shovel. The cross arm is adjustable and should be positioned so the shovel of the center attachment cuts out the center left between the two front shovels.

No. 1 Spring Tooth Attachment.

This attachment is used for the cultivation of cotton beds in the southern territories (Figure 19).

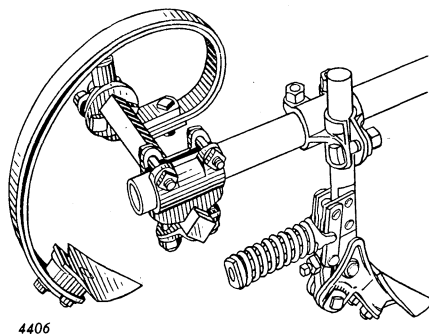


Figure 18—No. 1 Center Attachment

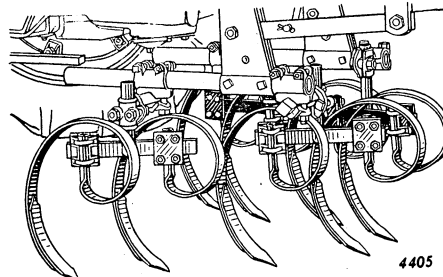


Figure 19—No. 1 Spring-Tooth Attachment

MAINTENANCE SUGGESTIONS

Shovels and Sweeps.

Protecting the face of the shovels and sweeps from rust between cultivating seasons, or short idle periods, by greasing the polished surface with a coating of grease or hard oil is time well spent and will pay dividends.

Sharpening Shovels and Sweeps.

Dull or worn-out shovels will not destroy weeds, nor permit an even depth of cultivation and are expensive to operate. Keep your shovels and sweeps sharp!

Keep Your Cultivator a John Deere Cultivator.

Genuine John Deere shovels and sweeps have more and better material in points and wearing surfaces. They fit better, stay sharp longer, and save you money. Buy your shovels and sweeps from your John Deere dealer.

Lubrication.

Moving parts must be greased or oiled, if you are to get best results from your cultivator. Use your Zerk gun freely where fittings are provided and oil where necessary. See that the spring trips are oiled frequently to insure free action, and keep all nuts tight and cotter keys spread.

Rigs.

Always be sure rigs are level fore-and-aft when operating as this will permit even cultivation. Rigs should never be allowed to become loose because of wear, as they can easily and quickly be taken up with the stud provided.

TRACTOR TIRE INFLATION PRESSURES.

The tractor tire inflation pressures set up in the tractor instruction book will apply.

SETTING UP

General Instructions.

Before setting up your cultivator study all the illustrations in this manual carefully to insure correct assembling of the cultivator on the tractor.

When the terms right or left are used in the instructions, it means from a position behind the tractor and cultivator looking toward the front.

Overhead views of front and rear sections of each cultivator in the A200, B200 or G200 Series are shown, and particular attention should be given to the illustrations of the cultivator as it is being set up.

The rear wheels of the tractor should be set to run approximately in the center of the space between two rows. For example, if cultivator is to be used in fields planted in 40-inch rows, the tractor wheels should be set 80 inches apart center to center; for 36-inch rows, 72 inches apart, etc.

On Model "G" Tractors when cultivator is installed, it is necessary to remove the Master Tractor Power Shaft Shield to provide clearance for the center rig. (When cultivator is removed, reinstall shield on tractor.)

REGULAR SHIPPING BUNDLES

Bundle No.		A, B or G 201	A, B or G 202	A, B or G 204	A, B or G 207	A, B or G 208	A, B or G 212	A, B or G 214	A, B or G 215	A, B or G 216	A, B or G 218
SC 402 A	Front Frame, L. S.	1	1	1	1	1	1	1	....	1	1
SC 403 A	Front Frame, R. S.	1	1	1	1	1	1	1	....	1	1
SC 404 A	Front Frame, L. S. ....	....	....	....	....	....	....	....	1	....	....
SC 405 A	Front Frame, R. S. ....	....	....	....	....	....	....	....	1	....	....
SC 500 A	Quik-Tatch Frame for Model "A" Tractor, Serial No. 477,000 and up.	1	1	1	1	1	1	1	1	1	1
SC 501 A	Quik-Tatch Frame for Model "B" Tractor, Serial No. 660,000 to 6201,000.	1	1	1	1	1	1	1	1	1	1
SC 502 A	Quik-Tatch Frame for Model "B" Tractor, Serial No. 6201,000 and up.	1	1	1	1	1	1	1	1	1	1
SC 503 A	Quik-Tatch Frame for Model "G" Tractor Serial No. G13,000 and up.	1	1	1	1	1	1	1	1	1	1
SC 520 A	Truss Rods for "A", "B", "G" Tractors..	1	1	1	1	1	1	1	1	1	1
SC 191 A	Power Lift Levers.	1	1	1	1	1	1	1	1	1	1
SC 182 A	Power Lift Pipes.	1	1	1	1	1	1	1	1	1	1

REGULAR SHIPPING BUNDLES—Cont.

Bundle No.		A, B or G 201	A, B or G 202	A, B or G 204	A, B or G 207	A, B or G 208	A, B or G 212	A, B or G 214	A, B or G 215	A, B or G 216	A, B or G 218
SC 186 A	Power Lift Arms.....	1	1	1	1	1	1	1	1	1	1
SC 46 A	Shields (Pair).....	2	2	2	2	2	2	2	2	2	2
SC 220 A	Penetration Springs for Front Rigs.....							1			
SD 199 A	Canvas Bag of Alemite Fittings.....	1	1	1	1	1	1	1	1	1	1
.....	Shovels or Sweeps as Ordered.....	11	11	14	13	14	11	15	22	15	17
Front Rigs											
SC 354 A	Inside Rig, L. S.....	1	1	1	1	1	1	1		1	1
SC 355 A	Inside Rig, R. S.....	1	1	1	1	1	1	1		1	1
SC 356 A	Outside Rigs.....	2	2	2	2	2	2	2	4	2	2
Rear Rigs											
SC 358 A	Center Rig.....		1								
SC 359 A	Left Side Rig.....		1								
SC 360 A	Right Side Rig.....		1								
SC 383 A	Center Rig.....			1		1	1		1		1
SC 384 A	Left Side Rig.....			1	1	1					
SC 385 A	Right Side Rig.....			1	1	1					
SC 386 A	Left Side Rig.....						1	1		1	1
SC 387 A	Right Side Rig.....						1	1		1	1
SC 522 A	Left Side Rig.....								1		
SC 523 A	Right Side Rig.....								1		
Shank Clamp Bundles for Rigs											
SC 95 A	Stub Beam Bundle (2 Stub Beams for Rear Rigs).....				1			1		1	
SC 96 A	Stub Beam Bundle (2 Stub Beams for Rear Rigs).....			1		1			1		1
SC 97 A	Shank Bundle (2— 1-3/8" Shanks).....		3		2	3	3		2		1
SC 98 A	Shank Bundle (3 Spring Trip Shanks, 1-3/8")	3	1		1		1		4	3	
SC 99 A	Shank Bundle (4 Spring Trip Shanks, 1-1/8")									1	
SC 100 A	Shank Bundle (6 Spring Trip Shanks).....								1		
SC 101 A	Shank Bundle (4 Single Spring Teeth).....				1			3		1	1
SC 102 A	Shank Bundle (6 Single Spring Teeth).....			1		1					1
SC 103 A	Shank Bundle (2 Double Spring Teeth).....			4							
SC 110 A	Shank Bundle (3 Single Spring Teeth).....							1			1
SC 111 A	Clamp Bundle (4 Shank Clamps).....								1		
SC 116 A	Clamp Bundle (4 Clamps).....	1			1	1				1	1
SC 123 A	Clamp Bundle (4 Shank Clamps).....			1							
SC 128 A	Crosshead Bundle (4 Crossarms and Clamps).....	1	1	1	1	1	2	2	2	1	1

SPECIAL SHIPPING BUNDLES

Bundle No.		A, B or G 201	A, B or G 202	A, B or G 204	A, B or G 207	A, B or G 208	A, B or G 212	A, B or G 214	A, B or G 215	A, B or G 216	A, B or G 218
SC 129 A	Crosshead Bundle (2 Crossarms and Clamps).....	1						1	2	1	1
SC 131 A	Shank Bundles (2 Spring Trip Shanks, R. H. and L. H.).....	1	1		1	1	1			1	1
SC 132 A	Crosshead Bundle (1 Crosshead and Clamp).....	1			1			1		1	1
SC 136 A	Crosshead Bundle (2 Crossarms and 2 Clamps).....		1								
Special Shipping Bundles											
SC 217 A	Truss Rod Adapter Parts (For "A" Tractors under No. 477,000 and "G" below \$13,000).....	1	1	1	1	1	1	1	1	1	1
SC 218 A	Truss Rod Adapter Parts (For "B" Tractors Nos. 42,000 to 60,000).....	1	1	1	1	1	1	1	1	1	1
SC 193 A	Truss Rods for "A" and "B" Tractors...	1	1	1	1	1	1	1	1	1	1
SC 195 A	Truss Rods for "G" Tractor.....	1	1	1	1	1	1	1	1	1	1
SC 524 A	Bag Bolts, Washers and Lock Washers for "A", "B", "G" 2-Row Cultivators not having Quik-Tatch Frames.....	1	1	1	1	1	1	1	1	1	1
SC 223 A	Adapter Plate Bundle for "G" Tractor....	1	1	1	1	1	1	1		1	1
SC 205 A	Disk Hillers (Pairs)....	2	2	2	2	2	2	2	2	2	2
SC 206 A	Disk Hillers (Pairs)....	2	2	2	2	2	2	2	2	2	2
SC 211 A	Spring Pressure Rods for Rear Rigs.....			1		1	1		1		1
SC 40 A	Rotary Hoe Shield (Pair).....	2	2		2	2	2		2	2	2
SC 145 A	Spread Arch.....	2	2	2	2	2	2	2	2	2	2
SC 150 A	Spread Bar Bundle....	1	1	1	1	1	1	1	1	1	1
SC 109 A	Clamp Bundles (4 Clamps) Used with No. 193 Spring Tooth Attachment.....		1								
SC 137 A	Shank Bundle (2 Spring Trip Shanks for 48" Rows).....		1				1				
SC 125 A	Shank Bundle (2 Spring Trip Shanks).....		1								
SC 126 A	Shank Bundle (3 Spring Trip Shanks).....		3								
.....	No. 1 Knife Attachment (viz:)										
SC 161 A	Shank and Arch.....		1								
SC 159 A	40" Knives (Regular)...		2								

SPECIAL SHIPPING BUNDLES—Cont.

Bundle No.		A, B or G 201	A, B or G 202	A, B or G 204	A, B or G 207	A, B or G 208	A, B or G 212	A, B or G 214	A, B or G 215	A, B or G 216	A, B or G 218
SC 160 A	48" Knives (When Ordered).....		2								
.....	No. 1 Center Attachment (viz:)										
SC 103 A	Shank Bundle.....			1							
SC 108 A	Clamp and Crosshead Bundle.....			1							
Y 786 A	Shovels.....			2							
.....	No. 1 Spring Tooth Attachment (viz:)										
SC 95 A	Stub Beam.....		4								
SC 101 A	Shank Bundle.....		4								
SC 265 A	Set Shovels.....		2								
.....	No. 10 Disk Cultivator Attachment for Power Lift only (Requires 3 Rear Rigs) (viz:)										
SC 201 A	Disk Gang Frame Arch, R. S.....		1			1	1		1		
SC 200 A	Disk Gang Frame Arch, L. S.....		1			1	1		1		
SC 209 A	Disk Gangs.....		4			4	4		4		
.....	Listed Corn Attachment: (viz:)										
SC 163 A	Disk.....	4	4		4	4	4			4	
SC 164 A	Disk Gang, R. H.....	1	1		1	1	1			1	
SC 165 A	Disk Gang, L. H.....	1	1		1	1	1			1	
SC 170 A	Shank.....	2	2		2	2	2			2	
SC 42 A	Shields.....	2	2		2	2	2			2	
YB734 A	Shovels.....	4	4		4	4	4			4	
.....	No. 4 and No. 5 Rear Rigs Sections (viz:)										
SC 471 A	Rear Frame (For No. 4).....		1								
SC 472 A	Rear Frame (For No. 5).....		1								
SC 473 A	Center Rig.....		1								
SC 474 A	L. S. Rig.....		1								
SC 475 A	R. S. Rig.....		1								
SD 441 A	Gauge Wheels for Rear Rigs.....		3								
Y 804 A	10" Sweeps.....		2								
Y 805 A	12" Sweeps.....		3								
SC 476 A	Clamp Bundle.....		1								
SC 146 A	Shank Bundle.....		1								
SC 147 A	Shank Bundle.....		1								
SC 148 A	Crosshead Bundle.....		1								
SC 149 A	Crosshead Bundle.....		1								
SD 159 A	Canvas Bag of Alemite Fittings.....		1								

QUIK-TATCH FRAME

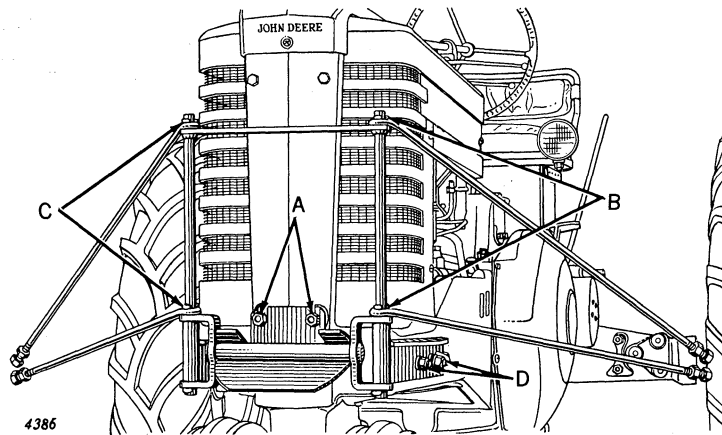


Figure 20—Quik-Tatch Frame

Front Coupling Plate.

Attach front coupling plate on pedestal of tractor "A", Figure 20, and frame studs on each side of tractor "A", Figure 21.

Attach Quik-Tatch frame proper as shown in Figure 20, bolting frame to tractor using bolt at "B", Figure 21.

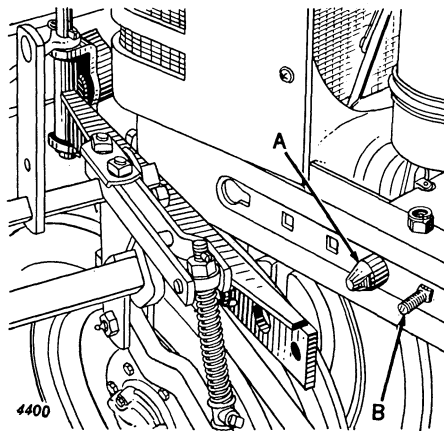


Figure 21—Left Side Quik-Tatch Frame, Stud and Bolt

Truss Rods.

With Quik-Tatch frame on Models "A", "B" or "G" Tractors, assemble truss rods as shown at "B" and "C", Figure 20 and as at "A", Figure 22.

CULTIVATORS WITHOUT QUIK-TATCH FRAME

Without Quik-Tatch frame on Models "A", "B" and "G" Tractors attach upper and lower SC193A Truss Rods, Figure 23.

The truss rods for Models "A" and "B" Tractor Cultivators have sufficient thread to permit use on either "A" or "B" Tractors.

Adjust the truss rods with the four hex. nuts ("A" and "B", Figure 23) so the cultivator frame sets square and level with tractor frame.

The Model "G" Tractor requires the longer SC195A Truss Rods.

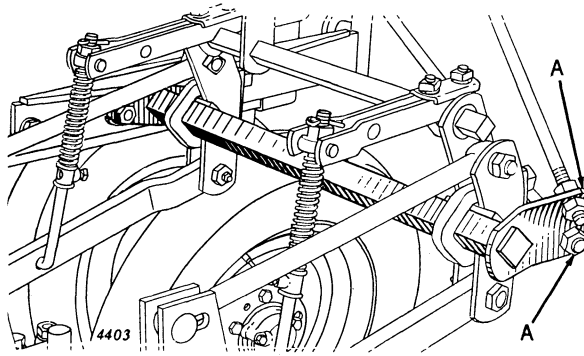


Figure 22—Main Frame, Right Side

SC217A Adapter parts (see "A" and "C", Figure 24) are required for Model "A" Tractors Serial Nos. 460,000 to 477,000, and Model "G" Tractors under Serial No. G13,000.

SC218A Adapter Parts ("B" and "C", Figure 24) are required for Model "B" Tractors Serial Nos. 42,200 to 60,000.

Attach upper and lower truss rods, as shown in Figure 24 and as explained in the two preceding paragraphs. Place one nut on each side of brackets at outer end of frame bars so truss rods will be held securely.

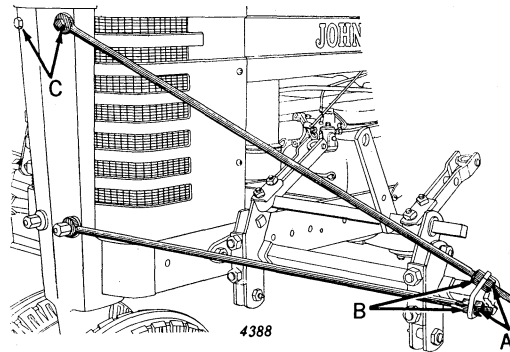


Figure 23—Truss Rods

"A" and "C" in Figure 24 illustrate the correct location of upper and lower truss rods for older Models "A" and "G" Tractors.

"B" and "C" in Figure 24 illustrate the correct location of upper and lower truss rods for older Model "B" Tractors.

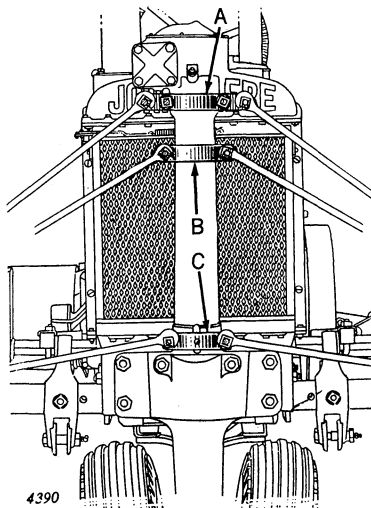


Figure 24—Truss Rods

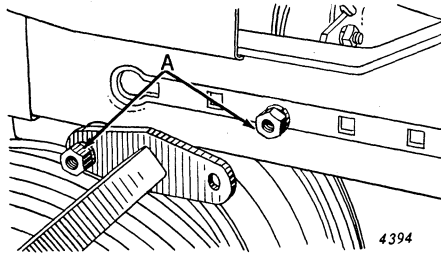


Figure 25—Attaching Front Frame on Late Models “A”, “B” and “G” Tractors without Quik-Tatch Frames

Main Frames of Cultivator.

For tractors which have the Quik-Tatch frame as previously explained, use bolts at “D”, Figure 20 to put main frames of cultivator in place. See Figure 22.

For late Models “A”, “B” and “G” Tractors without Quik-Tatch frames, attach frame bar to tractor with bolts as at “A”, Figure 25.

For Model “A” Tractors Serial Nos. 515,130 and up, and Model “B” Tractors Serial Nos. 60,000 and up, see Figure 26.

For Model “A” Tractors Serial Nos. 477,000 to 515,130 see Figures 26 and 28. For Model “G” Tractors Serial Nos. G13,000 and up, see Figure 27.

Bolt front frame bars to right and left side of tractor frame (Models “A” and “B”). Carriage bolt “X” is used in buttonhole in tractor frame. Machine bolt “Y” is inserted through the tractor frame from the inside and passes through the slotted hole in frame bar. When tightening nut on bolt “Y”, make sure the thick washer “Z” fits into recess in frame bar, (see Figure 26).

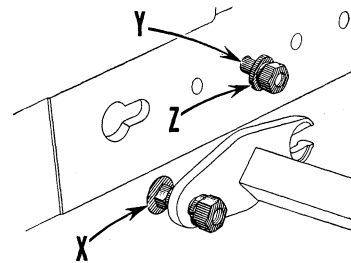


Figure 26—Front Frame on Models “A” and “B” Tractors

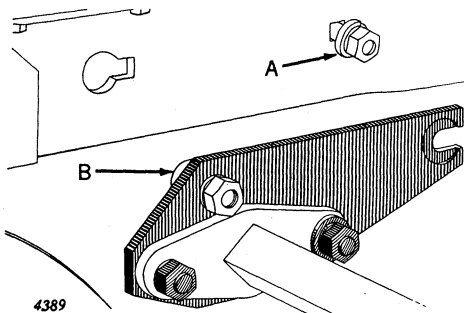


Figure 27—Front Frame and S10767 Adapter for Model “G” Tractor

For Model “G” Tractor the S10767 Adapter Plates are required. Bolt proper plate to frame bar as in Figure 27. Attach plate to tractor frame as in Figure 27.

(If “G” Tractor is equipped with batteries, one of the batteries must be removed so carriage bolt “A” may be inserted through the tractor frame. Machine bolt must be used at “B”. (See Figure 27.)

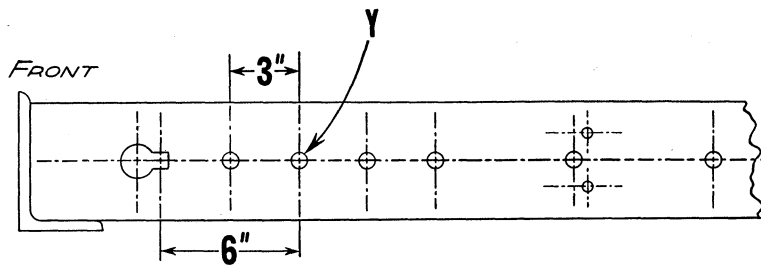


Figure 28—Model "A" Tractor Side Frame—Drill 11/16-Inch Holes at "Y"

For older Models "A", "B", or "G" Tractors which are not styled, these tractors have round holes in side frames, and machine bolts must be used at both "X" and "Y", Figure 26.

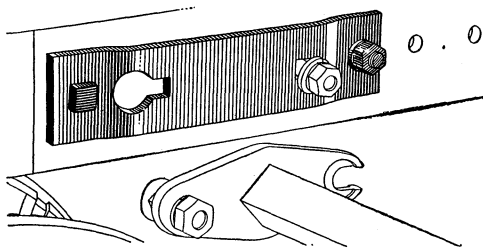


Figure 29—Front Frame and S10766 Adapter for Model "B" Tractor

NOTE: On Model "A" Tractors Nos. 477,000 to 515,130, drill one 11/16-inch hole in each side of tractor frame 6 inches to the rear of the buttonholes before cultivator can be mounted. (See Figure 28.)

S10766 Adapter (Figure 29) must be used for attaching AB200 Series Cultivators to Model "B" Tractors below Serial No. 167,000 when the PH200 Planting Attachment or FA207 Fertilizer Attachment is to be mounted on cultivator. It is not necessary to remove the adapter parts when the planting attachment is removed.

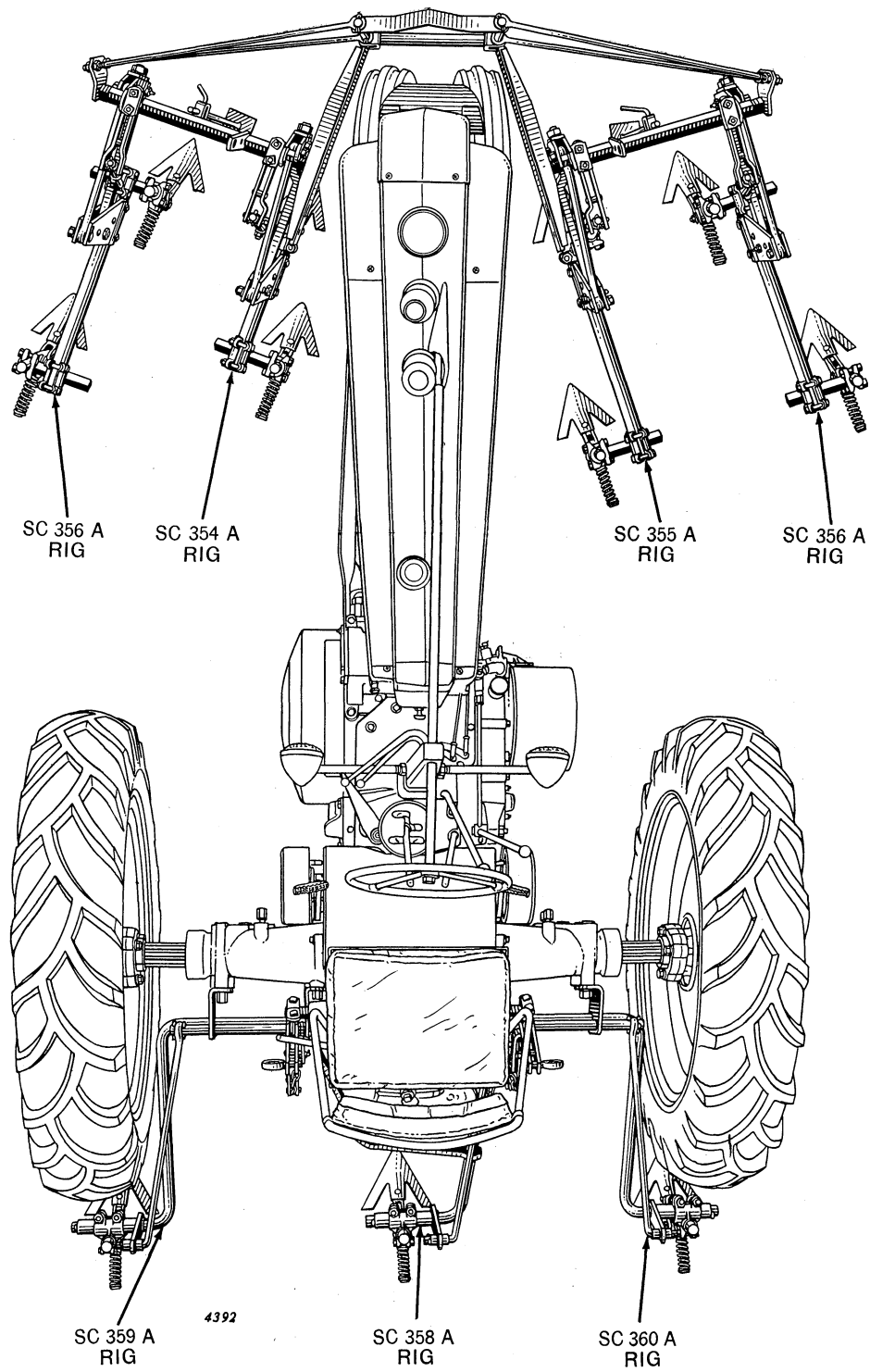


Figure 30—Front and Rear Rigs

Front Rigs.

See Figure 30 for correct front rig positions. Attach inside rigs first. Installation of all rigs is made as follows: Remove paint from fitted surfaces and apply oil. Insert bushing in end of upper rig link at "A", Figure 31 and bolt securely. Attach lower rig link to hanger with coupling stud at "B", Figure 31; tighten stud, then loosen stud one-half turn and tighten lock nut. Work the rig up and down by hand to be sure it is not too tight. Breakage may result if not properly adjusted. See pages 27 to 33, for overhead views of rigs.

Insert Alemite fittings in coupling studs at "C" and "D", Figure 31, on each rig.

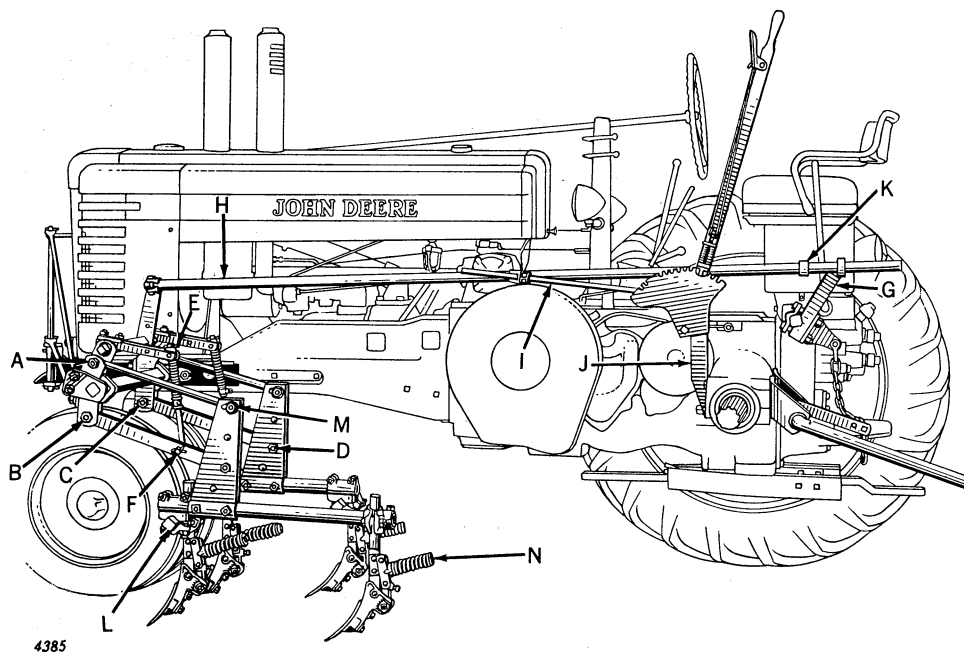


Figure 31—Attaching Front Rigs and Lifting Pipes

Attach lift rod as shown at "E" and "F", Figure 31.

Lifting Arms, Lifting Pipes and Depth Adjusting Levers.

Bolt lifting arms to the square rockshaft on tractor power lift as shown at "G", Figure 31. **Important:** Be sure the power lift of the tractor is in the **down** position. This will place the square rockshaft in the correct position.

Attach lifting pipes, "H", Figure 31, to lifting arms and to arm on front rigs. See detail, Figure 8.

Bolt lever brackets and levers to front side of rear axle housing on tractor as at "J", Figure 31. Then attach depth adjusting rods, "I", Figure 31, from levers to clamps on lifting pipes.

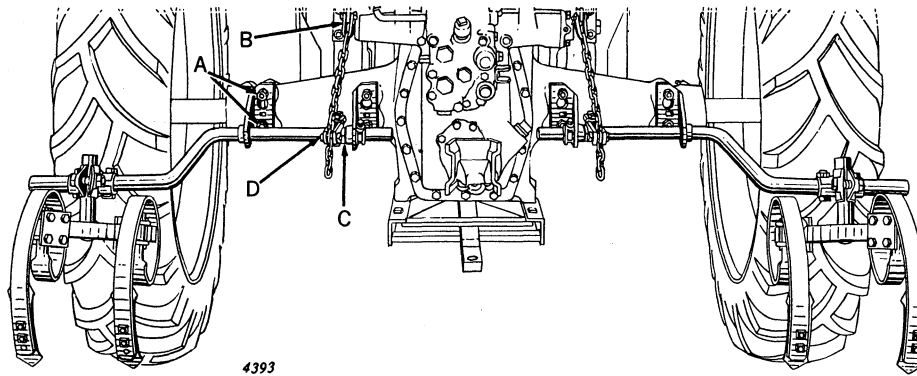


Figure 32—Attaching Rear Rigs

Rear Rigs.

Bolt rear rigs and rig bearings to rear axle housing of tractor as shown at "A", Figures 17 and 32. See pages 27 to 33, for overhead views of rigs.

Hook up lifting chains from rear rigs to lifting arms as shown at "B", Figures 17 and 32. The lifting brackets on rigs should be placed close to the inner rig bearings as at "C".

No. 4 and No. 5 Heavy-Duty Rear Rig Sections.

Fasten attaching plates to rear of tractor axle housing as at "A" and "B", Figure 33. Bolt braces to tractor drawbar as shown at "C", Figure 33.

Attach rigs, gauge wheels and shanks as shown in Figure 33. Hook up lifting chains and power lift pipe "D", as illustrated.

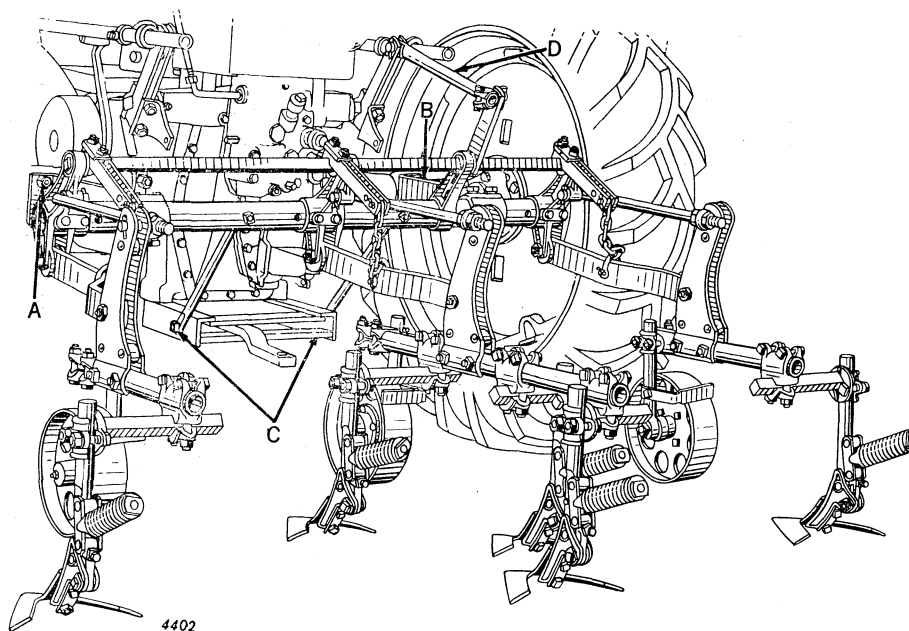


Figure 33—No. 4 Rear Rigs Section, 40" Rows

Attaching Shanks.

Lift the rigs to the highest position. Install clamps on rig pipes and attach shanks. Bolt shovels or sweeps to sleeve or spring teeth. Refer to overhead illustrations on pages 27 to 33 for proper setting of shanks on rigs of various types of cultivators. Adjust all shanks at uniform height. Tighten nuts securely. Sweeps should be set about one-half inch lower at the points than at the wings for proper penetration.

Offset Shanks.

With each AB or G200 Series Cultivator using spring trip shanks, two offset spring trip shanks are furnished. These offset shanks can be used in any position on the rigs and on either side of the rig pipe. Install the offset shanks on the front end of the inside rigs with the offset turned in for narrow rows (see Figure 5). Install on front end of inside rigs turned out for wide rows. See additional information, "Leveling Shovels and Sweeps", page 5.

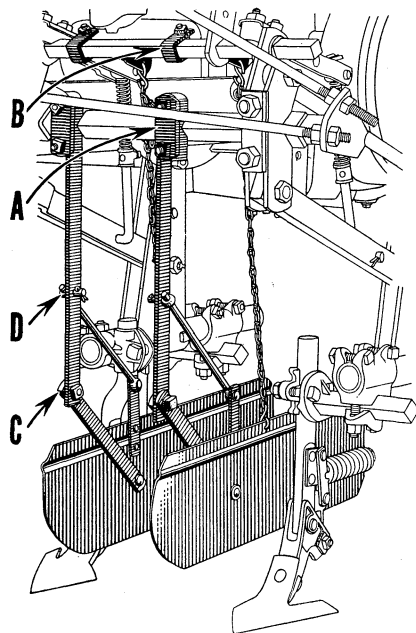


Figure 34—Shields

Shields.

Attach shields. (See “A” and “B”, Figure 34.) The smooth side of the shields should be placed next to the shovels, as shown in Figure 34.

Be sure all nuts are tight, cotter keys spread, and all moving joints thoroughly oiled. Then lift the cultivator slowly the first time, checking to see that no parts bind and that everything works properly.

Now turn to page 5 and read the instructions on operating and adjusting these cultivators.

NOTE: Fenders can be used on the tractor with the AB or G200 Series Cultivators.

Front Rig Penetration Springs.

The front rig penetration springs are regular on the AB or G214 Cultivator, but can be used on all power lift cultivators. Install the straps between the levers and depth adjusting rods (see Figure 35). Place medium tension on the springs with cultivator in the **down** or working position.

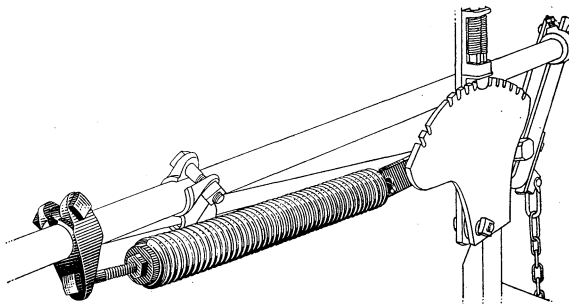


Figure 35—Front Rig Penetration Spring

OVERHEAD VIEWS OF RIGS

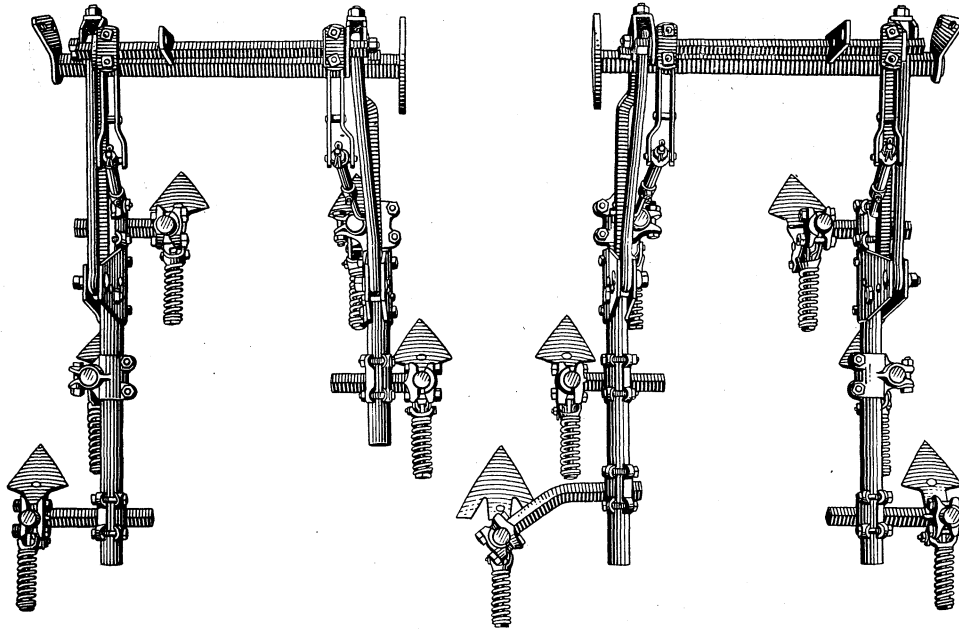


Figure 36—Front Rigs for A, B or G201 Cultivator. Set for 40" Rows.

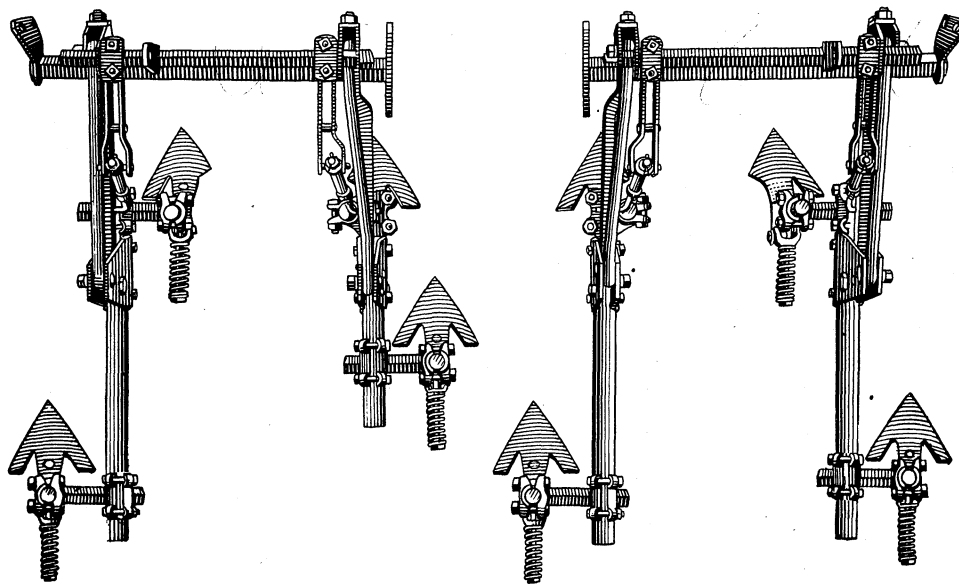


Figure 37—Front Rigs for A, B or G202 Cultivator. Set for 36" Rows.

OVERHEAD VIEWS OF RIGS

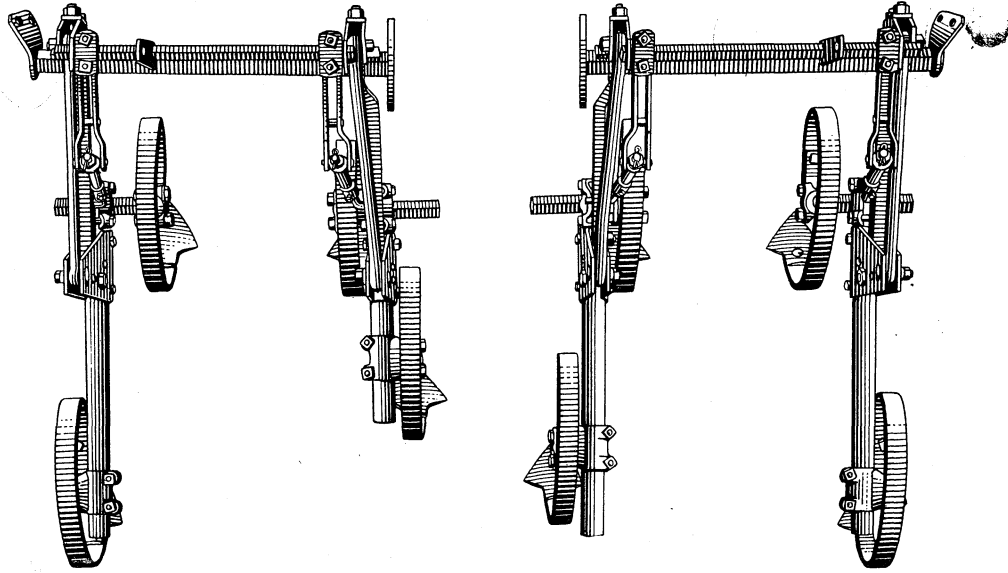


Figure 38—Front Rigs for A, B or G204 Cultivator. Set for 40" Rows.

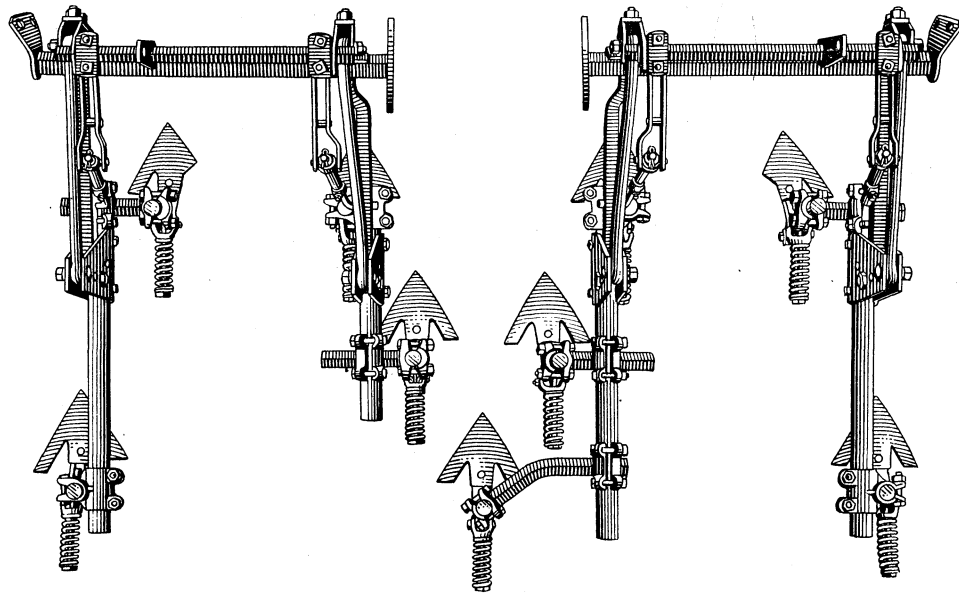


Figure 39—Front Rigs for A, B or G207 Cultivator. Set for 40" Rows.

Note: Front Rigs for A, B or G208 Cultivator are the same as this with center clamp and crosshead removed.

OVERHEAD VIEWS OF RIGS

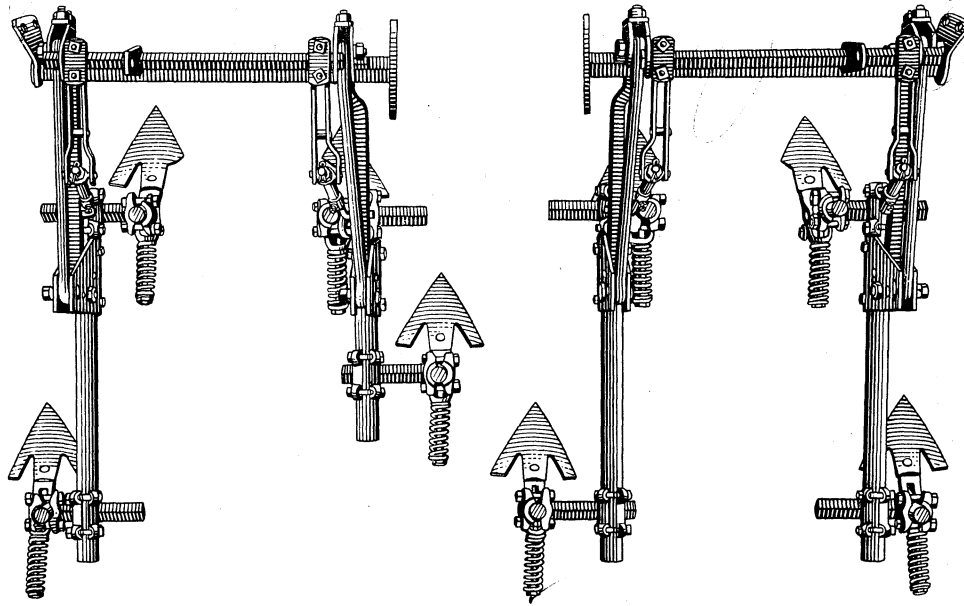


Figure 40—Front Rigs for A, B or G212 Cultivator, Set for 42" Rows.

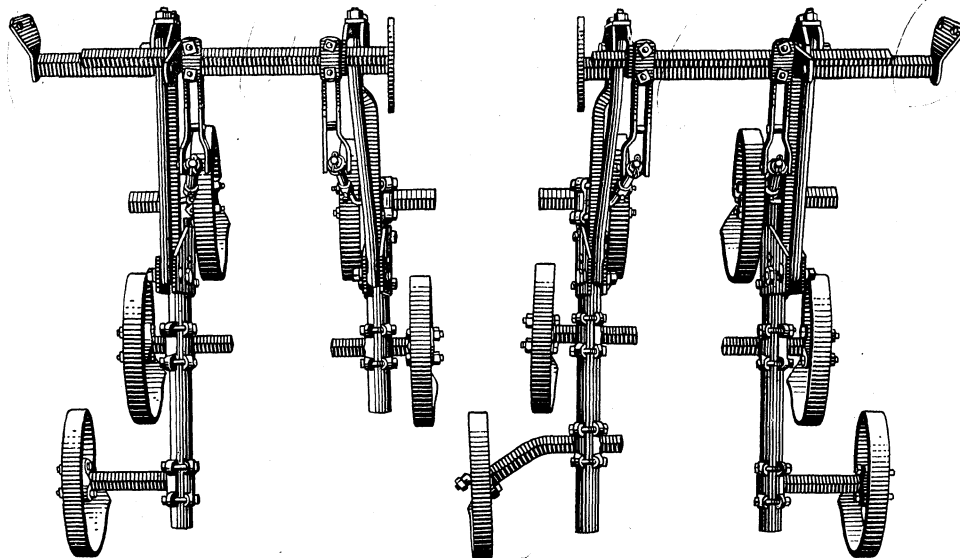


Figure 41—Front Rigs for A, B or G214 Cultivator. Set for 34" Rows.

OVERHEAD VIEWS OF RIGS

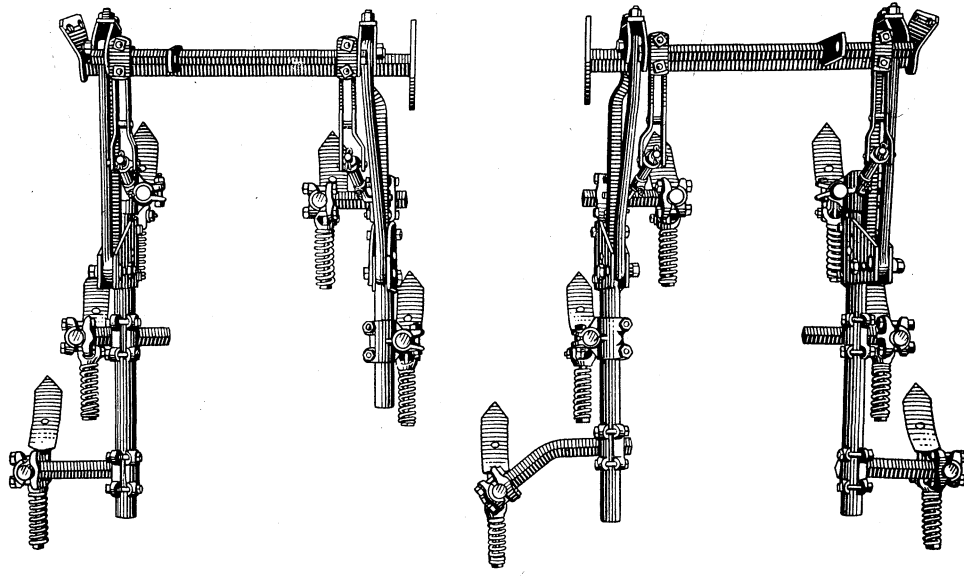


Figure 42—Front Rigs for A, B or G216 Cultivator. Set for 48" Rows.

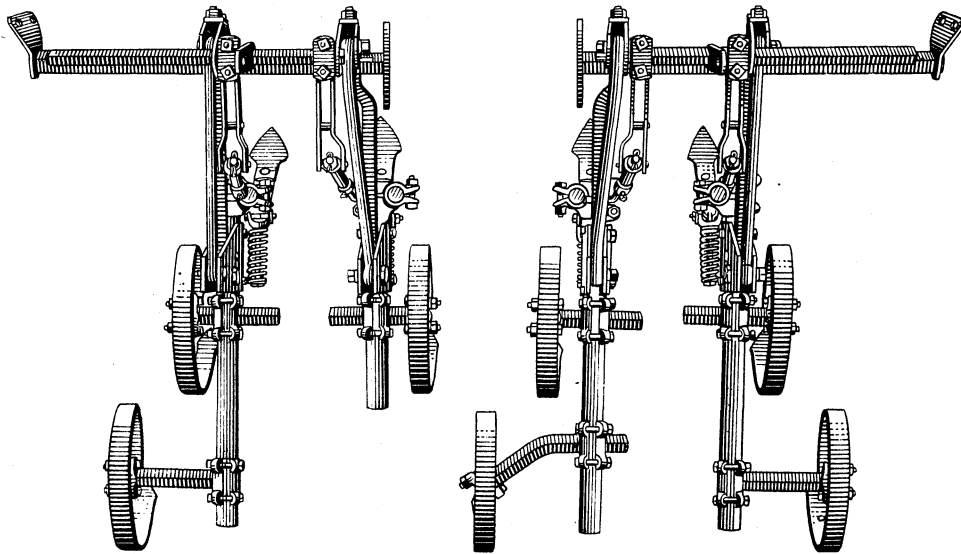


Figure 43—Front Rigs for A, B or G218 Cultivator. Set for 28" Rows.

OVERHEAD VIEWS OF RIGS

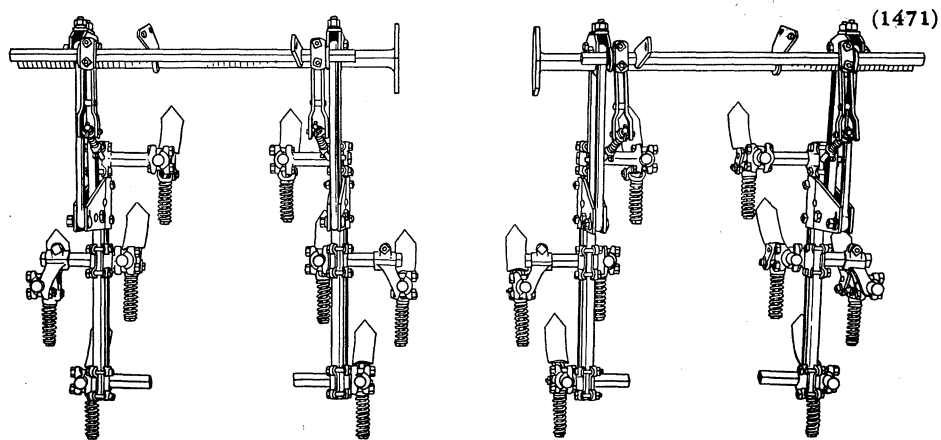


Figure 44—Front Rigs for A, B or G215 Cultivator. Set for 60" Rows.

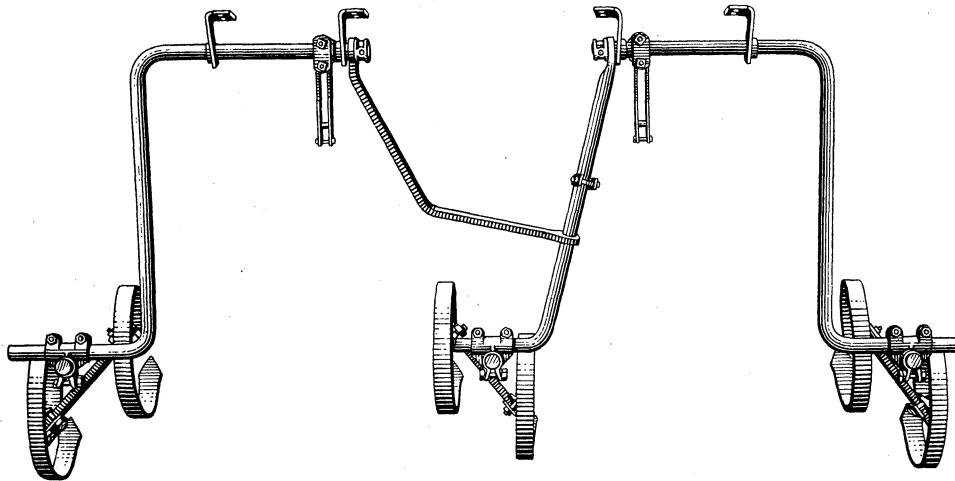


Figure 45—Rear Rigs for A, B or G204 and A, B or G208 Cultivators. Set for 40" Rows.

OVERHEAD VIEWS OF RIGS

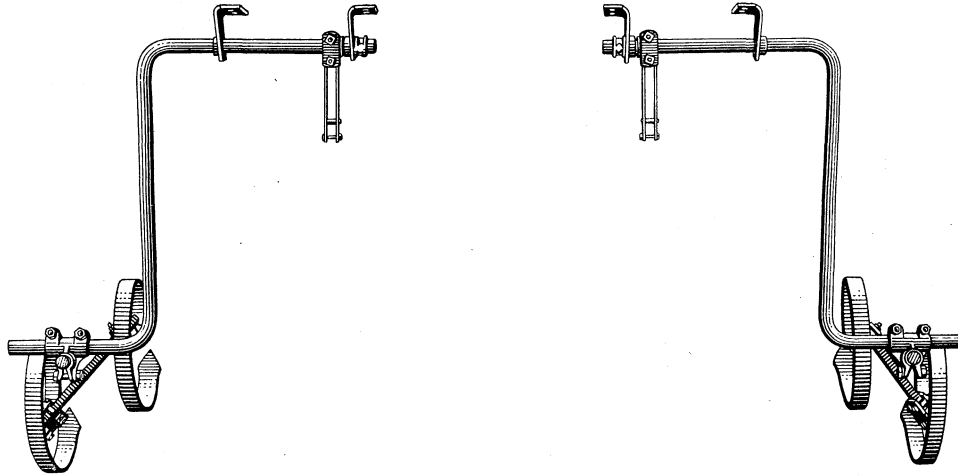


Figure 46—Rear Rigs for A, B or G207 Cultivator. Set for 40" Rows.

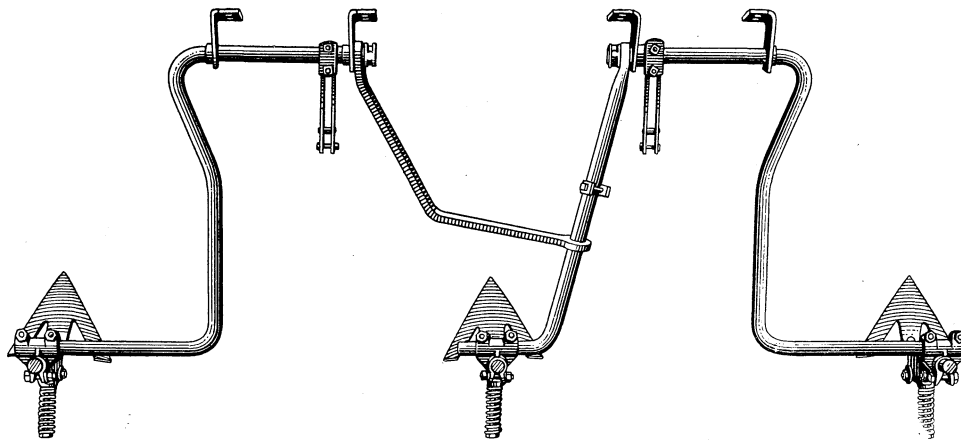


Figure 47—Rear Rigs for A, B or G212 Cultivator. Set for 42" Rows.

OVERHEAD VIEWS OF RIGS

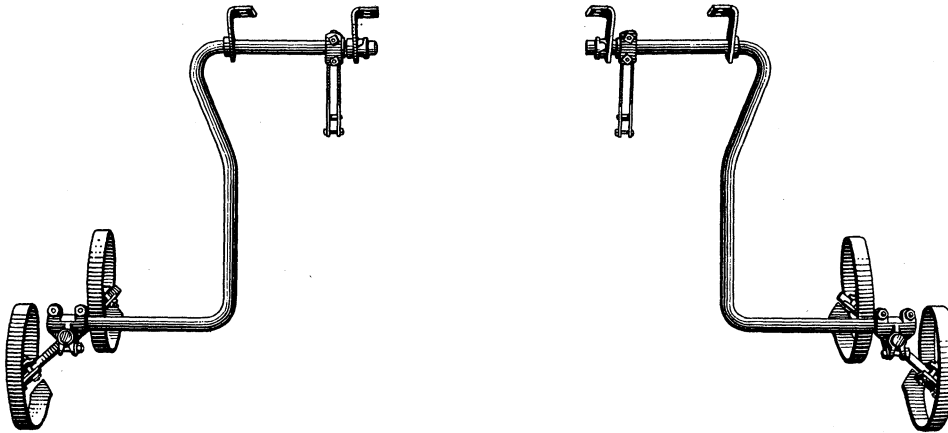


Figure 48—Rear Rigs for A, B or G214 and A, B or G216 Cultivators. Set for 48" Rows.

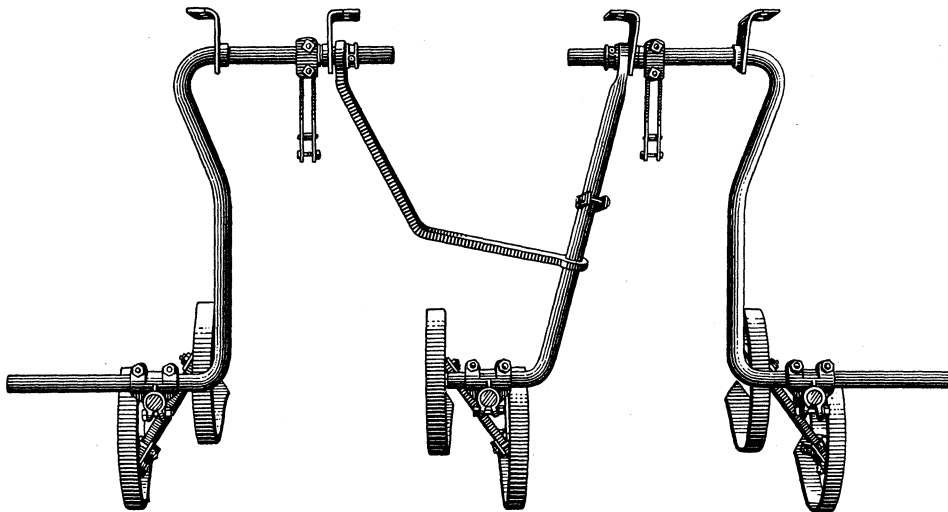


Figure 49—Rear Rigs for A, B or G218 Cultivator. Set for 28" Rows.

PARTS LIST AND ILLUSTRATIONS

For identification purposes it is important to remember that your cultivator is a "John Deere No. A200, B200 or G200 Two-Row Tractor Cultivator."

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 cultivator will perform better. If wearing washers and other parts are in their proper place the parts will wear longer.

Reference 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 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 by mail, or when telephoning orders to your John Deere dealer, give the following information:

- (a) Give number of your cultivator (A200, B200 or G200).
- (b) Give part number, description, and quantity wanted.
- (c) For bolts and hardware which have no number give description and sizes.

Symbols and Abbreviations.

SHM—Square Head Machine

L. W.—Lock Washer

R. H.—Right-Hand

L. H.—Left-Hand

Cge. —Carriage

No. —Number

Hvy.—Heavy

Hex. —Hexagon

" —Inch

w/ —With

Thd.—Thread

Rd. —Round

O.H.—Oval Head

Cpt.—Complete

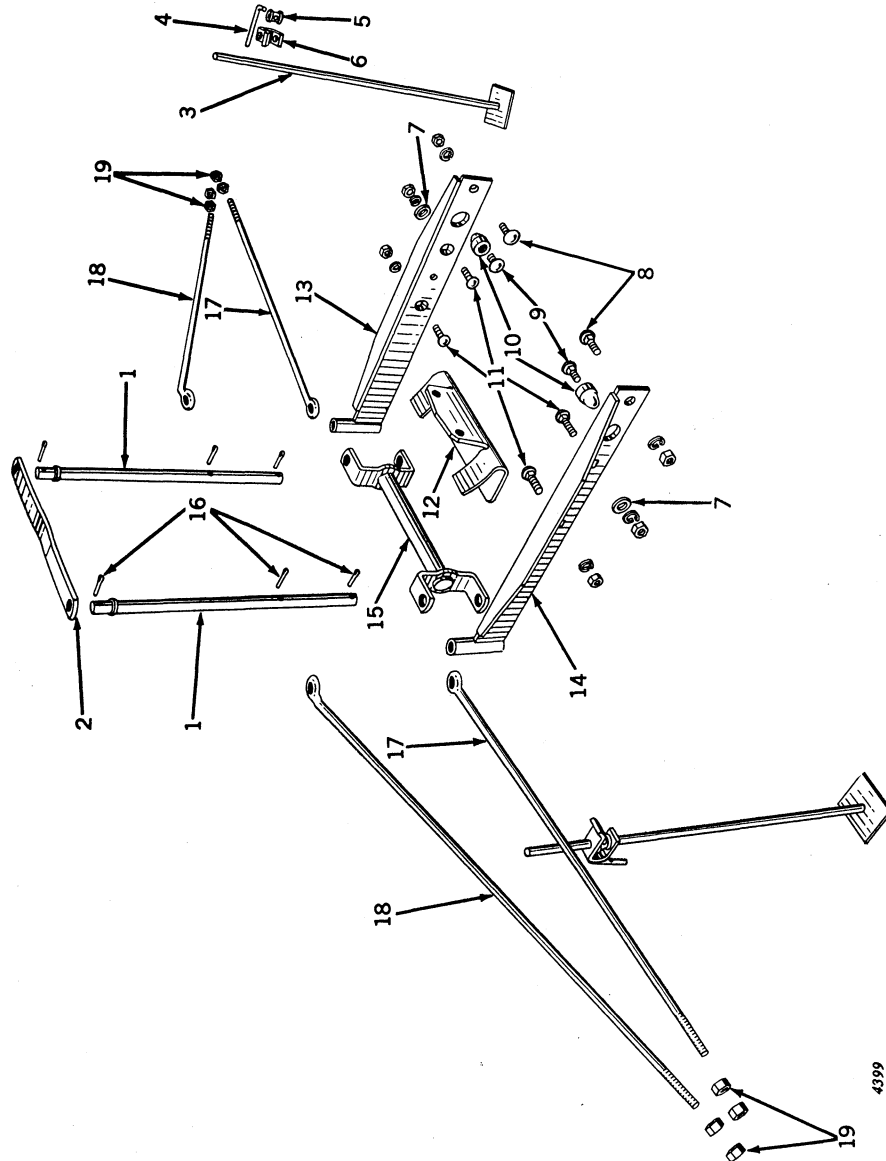
Std. —Standard

& —and

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**SC500A, SC501A, SC502A AND SC503A QUIK-TATCH FRAMES
AND SC520A TRUSS RODS**



SC500A, SC501A, SC502A AND SC503A QUIK-TATCH FRAMES

Key	Part No.	Description	SC 500A	SC 501A	SC 502A	SC 503A
1	29555 A	Rod, Truss Rod Support.	2	2	2	2
2	29554 A	Bar, Truss Rod Support	1	1	1	1
3	29562 A	Bar, Truss Rod Support	2	2	2	2
4	CA 2041 A	Stand, Support.	2	2	2	2
5	29558 A	Bolt, Tail	2	2	2	2
6	E 394 A	Collar	2	2	2	2
7	29556 A	Bracket, Support Stand	2	2	2	2
8	15353 A	Washer (1-3/8" x 21/32" - 1/4" Thick)	2	2	2	2
9		Bolt, Cge. (5/8" x 2") with Heavy Hex.	2	2	2	2
		Nut and L.W.	2	2	2	2
		Bolt, SHM (5/8" x 2") with Heavy Hex.	2	2	2	2
		Nut and L.W.	2	2	2	2
		Bolt, Cge. (5/8" x 1-1/4") 1/4" Neck Full Thread, Less Nut.	2	2	2	2
		Cap Screw (5/8" x 1-1/2") Hex. Head with L.W.	2	2	2	2
		Bolt, Cge. (5/8" x 1-1/2") Full Thread, Less Nut.	2	2	2	2
10	29557 A	Stud, Frame.	2	2	2	2
11	29563 A	Bolt, No. 3 Plow (5/8" x 2") with Heavy Hex. Nut.	4	4	4	4
12	29553 A	Plate, Coupling, Front	1	1	1	1

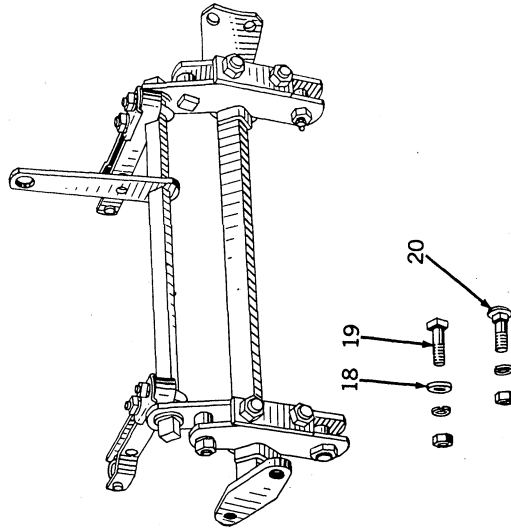
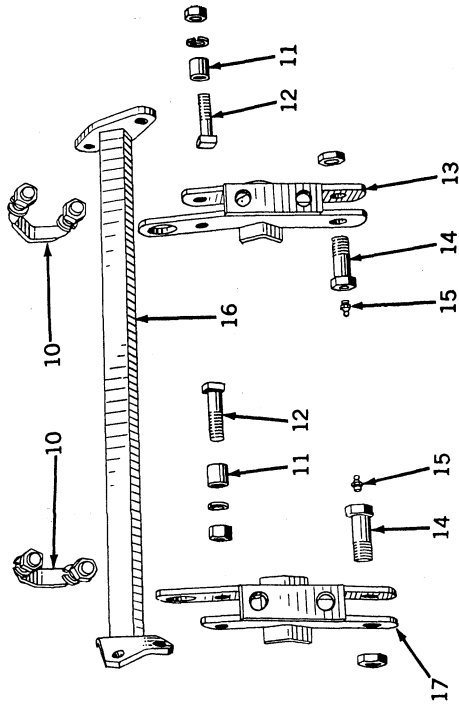
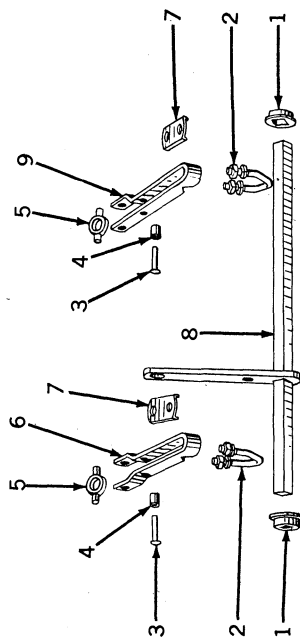
Key	Part No.	Description	SC 500A	SC 501A	SC 502A	SC 503A
13	CA 2039 A	Bar, Frame, Side, R. H.	1	1	1	1
	CA 2043 A	Bar, Frame, Side, R. H.	1	1	1	1
	CA 2045 A	Bar, Frame, Side, R. H.	1	1	1	1
14	CA 2047 A	Bar, Frame, Side, R. H.	1	1	1	1
	CA 2040 A	Bar, Frame, Side, L. H.	1	1	1	1
	CA 2044 A	Bar, Frame, Side, L. H.	1	1	1	1
	CA 2046 A	Bar, Frame, Side, L. H.	1	1	1	1
15	CA 2038 A	Bar, Frame Connecting Cotter (5/16" x 1-1/2")	1	1	1	1
16	CA 2042 A	Bar, Frame Connecting Cotter (5/16" x 1-1/2")	1	1	1	1
..	CA 2057 A	Sack of Bolts and Cap Screws	1	6	6	6

Consisting of:
 2—Cap Screws (5/8" x 1-3/4") (Hex. Head Full Thread with L.W.)
 2—Bolts, SHM (5/8" x 2") with Heavy Hex. Nut
 6—Cotters (5/16" x 1-1/2")

NOTE: Cap Screws and Bolts for Model "A" Tractors Serial No. 477,000 to 584,000.

SC520A TRUSS RODS
 17 29577 A Rod, Truss, Lower (2 used)
 18 29576 A Rod, Truss, Upper (2 used)
 19 Nut, Heavy Hex. (5/8") (8 used)

FRONT FRAME



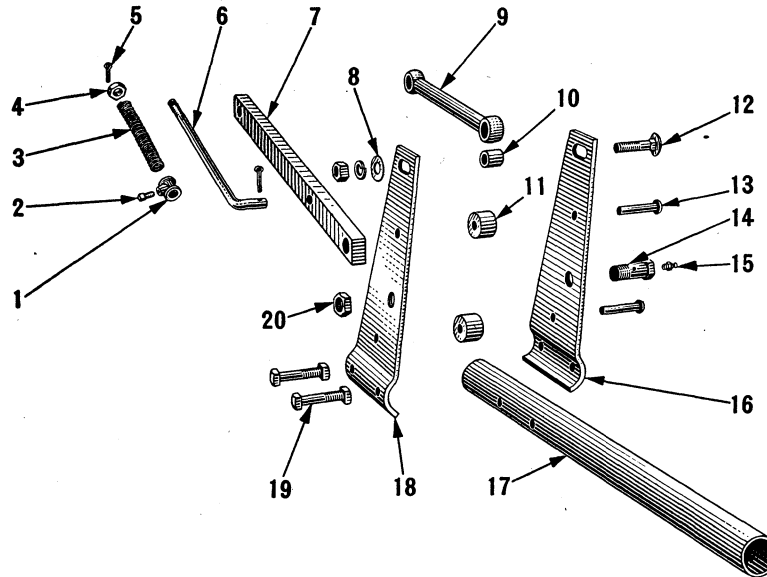
4402

~~SC524A Bag of
Bolts and Washers~~

FRONT FRAMES—Continued

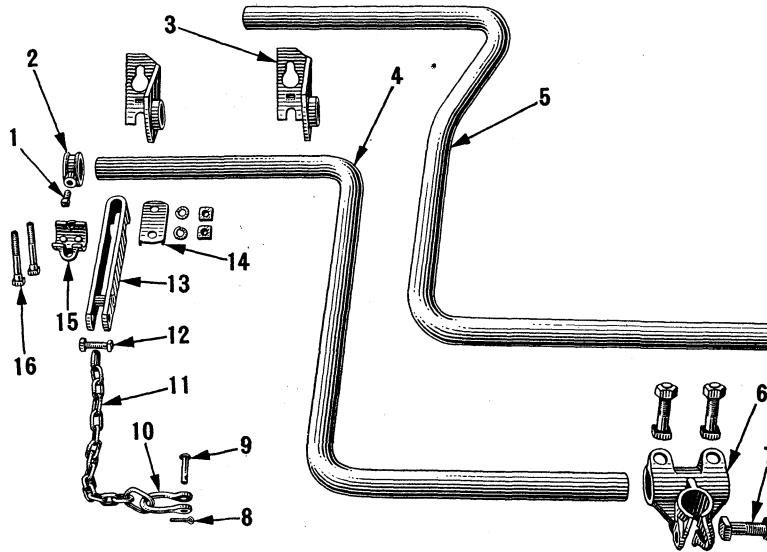
Key	Part No.	Description	SC 402A L.H.	SC 403A R.H.	SC 404A L.H.	SC 405A R.H.
1	F 638 A	Bushing, Rig Hanger	2	2	2	2
2	CA 1999 A	Clip, Rig Lift Arm, with (1/2") Nuts and L.W.	2	2	2	2
3		Rivet, O.H. (3/4" x 1-3/8")	2	2	2	2
4	15925 A	Spreader	2	2	2	2
5	E 977 A	Swivel, Rig Lift Arm	2	2	2	2
6	21878 A	Arm, Rig Lift, Outside	1	1	2	2
7	19048 A	Cap, Rig Lift Arm (19048A with 21902A, Nuts and L.W., Order CA936A)	2	2	2	2
8	CA 269 A	Bar, Front Lift	1	1	1	1
	CA 946 A	Bar, Front Lift			1	1
9	27215 A	Arm, Rig Lift—Inside R. H.	1	1		
	27216 A	Arm, Rig Lift—Inside L. H.				
10	CA 1937 A	Clip, Rig Hanger, with (3/4") Heavy Hex. Nuts and L.W.	2	2	2	2
11	27047 A	Bushing	2	2	2	2
12		Bolt, SHM (5/8" x 2-1/2") with (5/8") Heavy Hex. Nut and L.W.	1	1	1	1
13	CA 268 A	Hanger, Rig, L. H.	2	2	2	2
14	CA 1916 A	Stud, Rig Link with (7/8") Hex. Jam Nut	2	2	2	2
15	JD 7759	Alomite	2	2	2	2
16	CA 265 A	Bar, Front Frame, R. H.	1	1		
	CA 266 A	Bar, Front Frame, L. H.				
	CA 944 A	Bar, Front Frame, R. H.				
	CA 945 A	Bar, Front Frame, L. H.				
17	CA 267 A	Hanger, Rig, R. H.	1	1	1	1
18	15353 A	Washer (1-3/8" x 21/32" x 1/4")	2	2	2	2
19		Bolt, SHM (5/8" x 2-1/4") with Heavy Hex. Nut and L.W.	2	2	2	2
20		Bolt Cge. (5/8" x 2") with Heavy Hex. Nut and L.W.	2	2	2	2

SC354A, SC355A AND SC356A FRONT RIGS



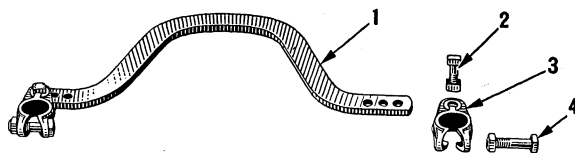
Key	Part No.	Description	SC 354A	SC 355A	SC 356A
1	E 394 A	Collar, Set Screw (E394A with Set Screw, Order CA28A)	1	1	1
2		Set Screw (7/16" x 3/4" No. 14 Cup Pt.)	1	1	1
3	24338 A	Spring, Lift Rod	1	1	1
4		Nut, Heavy Hex. (5/8")	1	1	1
5		Cotter (1/4" x 1-1/4")	2	2	2
6	27233 A	Rod, Lift	1	1	1
7	{ 27231 A	Link, Rig, Lower—Offset	1	1	
	27232 A	Link, Rig, Lower—Straight			1
8		Washer (1-1/2" x 11/16" No. 10)	1	1	1
9	{ 27857 A	Link, Rig, Upper—Offset	1	1	
	27858 A	Link, Rig, Upper—Straight			1
10	27047 A	Bushing	1	1	1
11	F 511 A	Spreader	2	2	2
12	BT 393 A	Bolt, Cge. (5/8" x 2-1/2") with Hex. Nut and L.W.	1	1	1
13		Rivet, O.H. (1/2" x 2-1/2")	2	2	2
14	29655 A	Stud, Rig Link	1	1	1
15	JD 7759	Alemite	1	1	1
16	27225 A	Plate, Coupling, R. H. (Tapped)	1	1	1
17	{ 27234 A	Beam, Rig		1	1
	27235 A	Beam, Rig	1		
18	27226 A	Plate, Coupling, L. H. (Reamed)	1	1	1
19		Bolt, SHM (1/2" x 3") with Nut	2	2	2
20		Nut, Hex. Jam (7/8")	1	1	1

SC384A, SC385A, SC386A, SC387A, SC522A AND SC523A REAR RIGS



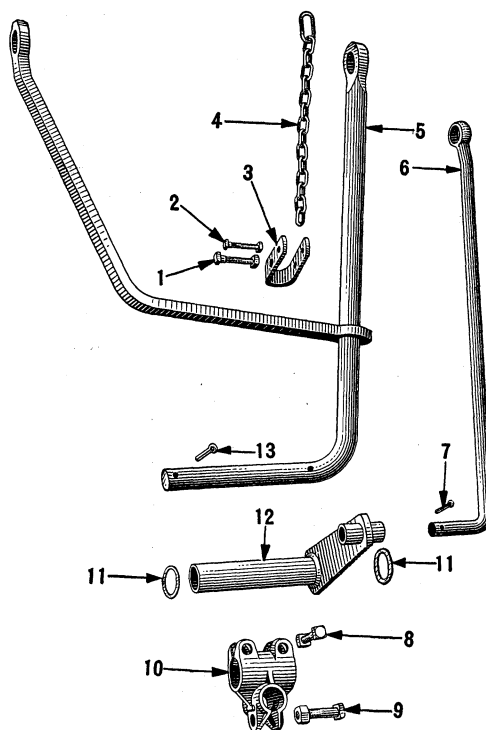
Key	Part No.	Description	SC 384A	SC 385A	SC 386A	SC 387A	SC 522A	SC 523A
1		Set Screw (1/2" x 1" No. 13 Cup Pt.)	1	1	1	1	1	1
2	M 204 A	Collar, Set Screw (M204A with Set Screw, Order CA86A)	1	1	1	1	1	1
3	24029 A	Bearing, Rig, R. H.		2		2		2
4	24030 A	Bearing, Rig, L. H.	2		2		2	
	29640 A	Beam, Rig, R. H.		1				
	29641 A	Beam, Rig, L. H.	1					
	29644 A	Beam, Rig, R. H.						1
	29645 A	Beam, Rig, L. H.					1	
5	29642 A	Beam, Rig, R. H.				1		
	29643 A	Beam, Rig, L. H.			1			
6	E 966 A	Clamp, Shank	1	1	1	1	1	1
7		Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut	3	3	3	3	3	3
8		Cotter (3/16" x 1")	1	1	1	1	1	1
9	RV 768 A	Rivet, Drilled (3/8" x 1-1/2")	1	1	1	1	1	1
10	13397 A	Loop, Chain	1	1	1	1	1	1
11	21277 A	Chain, Rig Lifting	1	1	1	1	1	1
12		Bolt, SHM (3/8" x 1-3/4") with Nut	1	1	1	1	1	1
13	CA 797 A	Arm, Rig Lifting, with 15925A Spreader and (3/8" x 1-3/4") Oval Rivet	1	1	1	1	1	1
14	19048 A	Cap, Rig Lift Arm	1	1	1	1	1	1
15	H 374 A	Cap, Rig Beam	1	1	1	1	1	1
16		Bolt, SHM (1/2" x 3-1/4") with Nut and L.W.	2	2	2	2	2	2

SC145A SPREAD ARCH



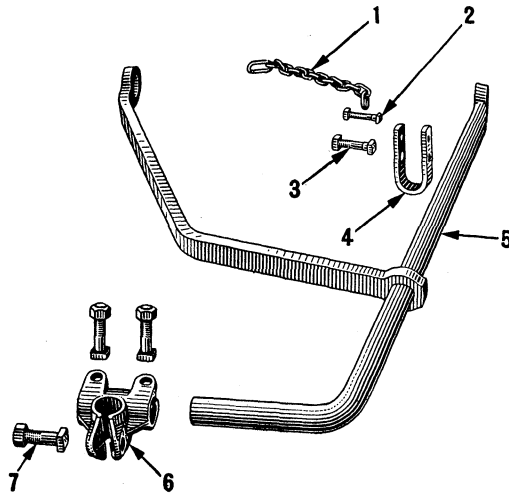
Key	Part No.	Description
1	23313 A	Arch, Spread
2	.....	Bolt, SHM (5/8" x 1-3/4") with Nut (2 used)
3	F 534 A	Clamp, Spread Arch (2 used)
4	.....	Bolt, SHM (5/8" x 2-3/4") with Nut (2 used)

SC358A REAR RIG



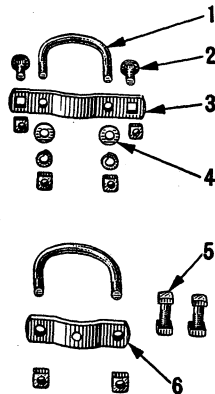
Key	Part No.	Description
1	.....	Bolt, SHM (1/2" x 2-3/4") with Nut
2	.....	Bolt, SHM (3/8" x 2-1/2") with Nut
3	21713 A	Clamp, Chain, Rig Lifting
4	22505 A	Chain, Rig Lifting
5	CA 788 A	Beam, Rig, Assembly
6	27558 A	Rod, Rig Leveling
7	.....	Cotter (1/4" x 1-1/2")
8	.....	Bolt, SHM (5/8" x 2-3/4") with Heavy Hex. Nut (2 used)
9	.....	Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut
10	E 899 A	Clamp, Shank
11	18258 A	Washer (2 used)
12	CA 790 A	Crank, Rig Leveling, Assembly
13	.....	Cotter, (5/16" x 2") (2 used)
..	.....	27558A with Cotter, Order CA1929A

SC383A REAR RIG



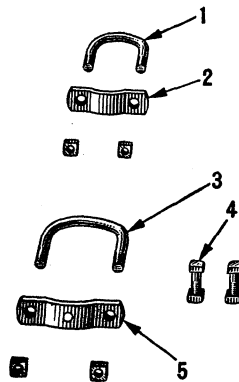
Key	Part No.	Description
1	21277 A	Chain, Rig Lift- ing
2	.....	Bolt, SHM (3/8" x 2-1/2") with Nut
3	.....	Bolt, SHM (1/2" x 2-3/4") with Nut
4	21713 A	Clamp, Lifting Chain
5	CA 224 A	Beam, Rig
6	E 966 A	Clamp, Shank
7	.....	Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut (3 used)

SC217A ADAPTER



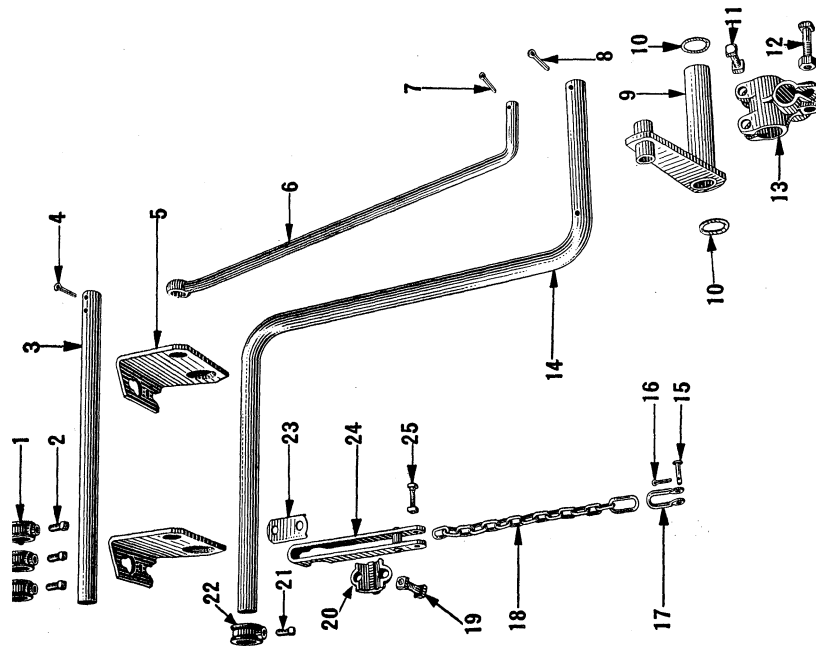
Key	Part No.	Description
1	CA 1701 A	Clip, Truss Rod, with Nuts and L.W. (2 used)
2	.....	Bolt, Cge. (5/8" x 1-1/2") with Nut (2 used)
3	24129 A	Strap, Truss Rod
4	15353 A	Washer (1-3/8" x 1/4") (2 used)
5	.....	Bolt, SHM (5/8" x 2") with Nut (2 used)
6	CA 679 A	Strap, Clip, Truss Rod, with (5/16" x 3/4") Standard Oval Rivet

SC218A ADAPTER



Key	Part No.	Description
1	CA 1784 A	Clip, Truss Rod, with Nuts and L.W.
2	23205 A	Strap, Truss Rod
3	CA 1701 A	Clip, Truss Rod, with Nuts and L.W.
4	.....	Bolt, SHM (5/8" x 2") with Nut (2 used)
5	CA 679 A	Strap, Clip, Truss Rod, with (5/16" x 3/4") Standard Oval Rivet

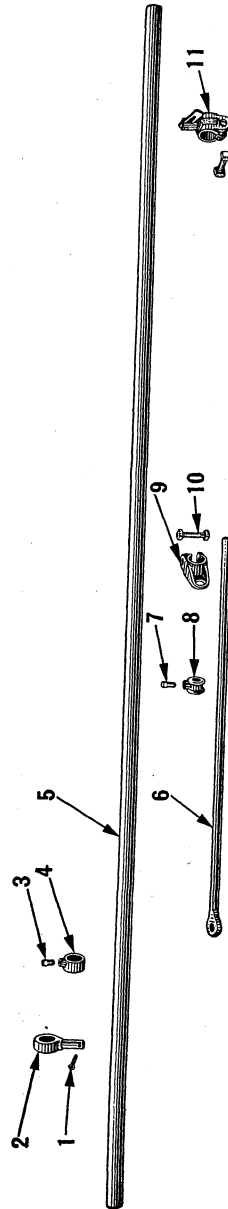
SC359A AND SC360A REAR RIGS



SC359A AND SC360A REAR RIGS

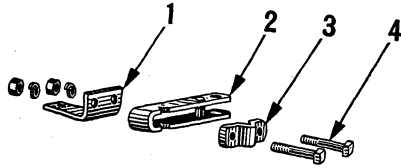
Key	Part No.	Description	SC 359A	SC 360A
1	G 59 A	Collar, Set Screw.....	2	3
2	.....	Set Screw (1/2" x 3/4" No. 13 Cup Pt.).....	2	3
3	27557 A	Bar, Support, Rig Leveling Rod.....	1	1
4	.....	Cotter (1/4" x 1-3/4").....	2	2
5	(27555 A	Bearing, Beam and Leveling Rod, R. H.....	2	2
6	27556 A	Bearing, Beam and Leveling Rod, L. H.....	2	2
7	27558 A	Rod, Rig, Leveling.....	2	2
8	.....	Cotter (1/4" x 1-1/2").....	1	1
9	CA 790 A	Cotter (5/16" x 2").....	1	1
10	18258 A	Crank, Rig Leveling, Assembly.....	2	2
11	.....	Washer.....	2	2
12	.....	Bolt, SHM (5/8" x 2-3/4") with Heavy Hex. Nut.....	2	2
13	.....	Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut.....	1	1
14	E 899 A	Clamp, Shank.....	1	1
15	(28014 A	Beam, Rig, R. H.....	1	1
16	28015 A	Beam, Rig, L. H.....	1	1
17	RV 768 A	Rivet, Drilled Oval (3/8" x 1-1/2").....	1	1
18	.....	Cotter (3/16" x 1").....	1	1
19	13397 A	Loop, Chain, Rig Lifting.....	1	1
20	21277 A	Chain, Rig Lifting.....	1	1
21	.....	Bolt SHM (1/2" x 3-3/4") with Nut.....	2	2
22	H 374 A	Cap, Rig Lifting Arm.....	1	1
23	.....	Set Screw (1/2" x 1" No. 13 Cup Pt.).....	1	1
24	M 204 A	Collar, Set Screw.....	1	1
25	28610 A	Stop, Rear Rig.....	1	1
26	CA 797 A	Arm, Rear Rig, with 15925A Spreader and (3/8" x 1-3/4") Oval Rivet.....	1	1
27	.....	Bolt, SHM (3/8" x 1-3/4") with Bolt.....	1	1
28	.....	G59A with Set Screw, Order CA66A.....	1	1
29	.....	M204A with Set Screw, Order CA86A.....	1	1
30	.....	27558A with Cotter, Order CA1929A.....	1	1
31	.....	28014A with Cotter, Order CA1938A.....	1	1
32	.....	28014A with CA790A, 18258A, and Cotters, Order CA1939A.....	1	1
33	.....	28015A with Cotters, Order CA1940A.....	1	1
34	.....	28015A with CA790A, 18258A, and Cotters, Order CA1941A.....	1	1

SC182A POWER LIFT PIPES



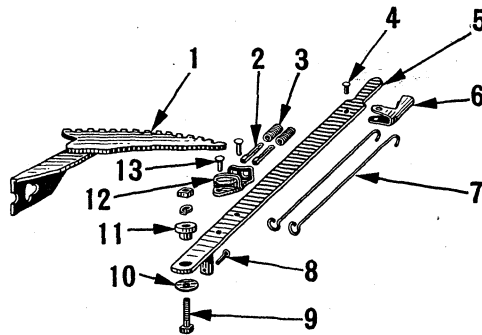
Key	Part No.	Description
1	.....	Cotter (1/4" x 1-1/2")
2	F 570 A	Swivel, Lift Shaft Arm
3	.....	Set Screw (1/2" x 1" No. 13 Cup Pt.)
4	F 453 A	Collar, Set Screw (F453 with Set Screw, Order CA61A)
5	22363 A	Pipe, Lift
6	26018 A	Rod, Lever, Depth Adjusting
7	.....	Set Screw (1/2" x 3/4" No. 13 Cup Pt.)
8	D 811 A	Collar, Set Screw (D811A with Set Screw, Order DA178A)
9	E 986 A	Collar, Lever Rod, Depth Adjusting
10	.....	Bolt, SHM (1/2" x 2-1/4") with Nut
11	CA 1200 A	Collar, Lift Pipe, with Strap and SHM Bolt (1/2" x 2-1/4") with Nut

SC186A POWER LIFT ARM



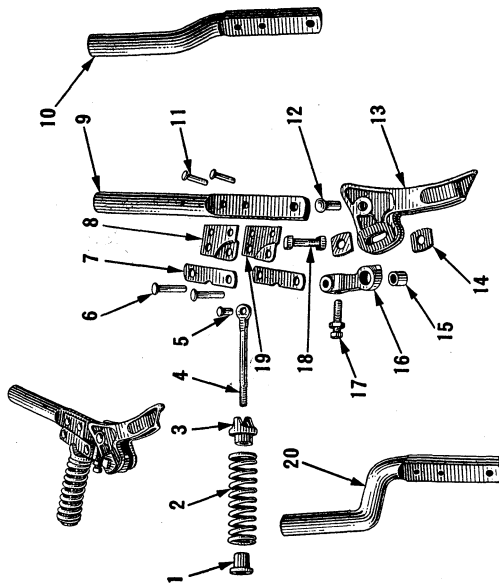
Key	Part No.	Description
1	22184 A	Plate, Lifting Arm
2	CA 594 A	Arm, Lifting Shaft, with Spreader
3	27568 A	Cap, Lifting Shaft Arm
4	BT 425 A	Bolt, SHM (5/8" x 4") with Heavy Hex. Nut and L.W. (2 used)

SC191A POWER LIFT LEVERS



Key	Part No.	Description
1	CA 262 A	Ratchet, R. H.
	CA 263 A	Ratchet, L. H.
2	11780 A	Dog, Lever (2 used)
3	1293 A	Spring, Lever Dog (2 used)
4	.....	Rivet, Oval (5/16" x 3/4")
5	CA 264 A	Lever
6	11781 A	Catch, Hand
7	16423 A	Rod, Lever Dog (2 used)
8	.....	Cotter (1/4" x 1-1/2")
9	.....	Bolt, SHM (1/2" x 1-3/4") with L.W.
10	.....	Washer (1-1/2" x 9/16" No. 12)
11	E 729 A	Bushing
12	K 327 A	Box, Dog
13	.....	Rivet, (F. C. H.) (5/16" x 1") (2 used)

**SC97A, SC98A, SC106A, SC130A, SC131A, SC137A, SC146A AND SC147A
SHANKS**

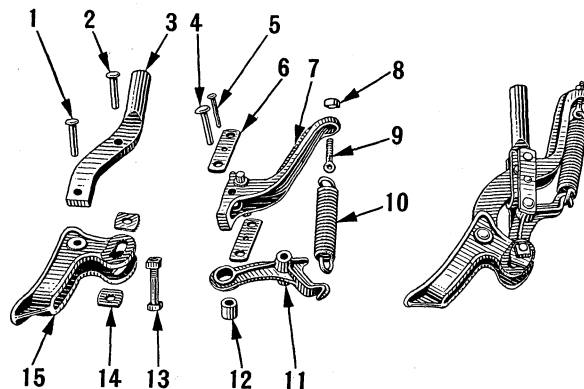


Key	Part No.	Description	SC 97A	SC 98A	SC 106A	SC 130A	SC 131A	SC 137A	SC 146A	SC 147A
1	(E 771 A	Nut, Plunger, Spring Trip.....	1	1	1	1	1	1	1	1
	(F 556 A	Nut, Plunger, Spring Trip.....								
2	(19023 A	Spring, Trip.....	1	1	1	1	1	1	1	1
	(23772 A	Spring, Trip.....								
3	(E 773 A	Stop, Plunger Spring.....	1	1	1	1	1	1	1	1
	(F 555 A	Stop, Plunger Spring.....								
4	(19019 A	Rod, Plunger, Spring Trip.....	1	1	1	1	1	1	1	1
	(23770 A	Rod, Plunger, Spring Trip.....								

**SC97A, SC98A, SC106A, SC130A, SC131A, SC137A, SC146A, AND SC147A
SHANKS—Continued**

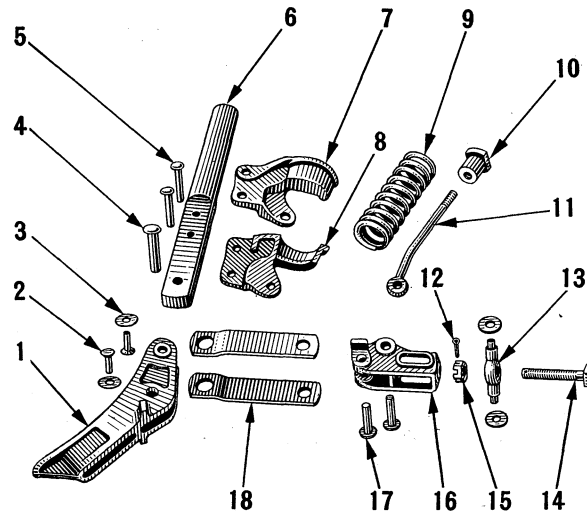
Key	Part No.	Description	SC 97A	SC 98A	SC 106A	SC 130A	SC 131A	SC 137A	SC 146A	SC 147A
5	(RV 775 A	Rivet, Oval (7/16" x 7/8")	1	1	1	1	1	1	1	1
	(RV 778 A	Rivet, Oval (7/16" x 1")	1	1	1	1	1	1	1	1
6	(RV 731 A	Rivet, Oval (7/16" x 1-7/8")	2	2	2	2	2	2	2	2
	(RV 779 A	Rivet, Oval (7/16" x 2")	2	2	2	2	2	2	2	2
7	24917 A	Strap, Spring Trip	2	2	2	2	2	2	2	2
	23771 A	Strap, Spring Trip	1	1	1	1	1	1	1	1
8	24916 A	Plate, Spring Trip L. H.	1	1	1	1	1	1	1	1
9	25367 A	Shank, Spring Trip	1	1	1	1	1	1	1	1
	25368 A	Shank, Spring Trip	1	1	1	1	1	1	1	1
	23769 A	Shank, Spring Trip	1	1	1	1	1	1	1	1
10	27175 A	Shank, Spring Trip, Offset	2	2	2	2	2	2	2	2
11	(.....	Rivet, Oval (3/8" x 1-1/2")	1	1	1	1	1	1	1	1
	(.....	Rivet, Oval (3/8" x 1-3/4")	1	1	1	1	1	1	1	1
12	(.....	Rivet, Oval (1/2" x 1-7/8")	1	1	1	1	1	1	1	1
13	E 816 A	Sleeve, Shovel	1	1	1	1	1	1	1	1
14	15645 A	Washer, Corrugated (1-1/4" x 3/16" x 1/4")	1	1	1	1	1	1	1	1
15	23723 A	Bushing	2	2	2	2	2	2	2	2
16	(E 772 A	Link, Connecting, Spring Trip	1	1	1	1	1	1	1	1
	(F 554 A	Link, Connecting, Spring Trip	1	1	1	1	1	1	1	1
17	CA 462 A	Bolt, Hex. Head (1/2" x 2") with Nut	1	1	1	1	1	1	1	1
18	.....	Bolt, SHM (7/16" x 2-1/4") with Nut	1	1	1	1	1	1	1	1
19	24915 A	Plate, Spring Trip, R. H.	1	1	1	1	1	1	1	1
20	27911 A	Shank, Spring Trip—Offset	1	1	1	1	1	1	1	1
	F 553 A	Support, Plunger and Trip Strap	1	1	1	1	1	1	1	1
	.....	25367A with E816A and Spring Trip, Order CA474A	1	1	1	1	1	1	1	1
	.....	25368A with E816A and Spring Trip, Order CA466A	1	1	1	1	1	1	1	1
	.....	25368A with 24915A, 24916A, Two 24917A and Rivets, Order CA1874A	1	1	1	1	1	1	1	1
	.....	23769A with E816A and Spring Trip, Order CA523A	1	1	1	1	1	1	1	1
	.....	27175A with E816A and Spring Trip, R. H., Order CA500A	1	1	1	1	1	1	1	1
	.....	27175A with E816A and Spring Trip, L. H., Order CA503A	1	1	1	1	1	1	1	1
	.....	27911A with E816A and Spring Trip, R. H., Order CA509A	1	1	1	1	1	1	1	1
	.....	27911A with E816A and Spring Trip, L. H., Order CA512A	1	1	1	1	1	1	1	1

SC99A AND SC100A SHANKS



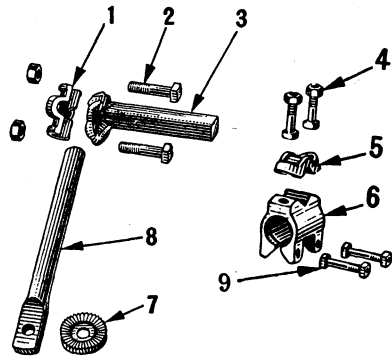
Key	Part No.	Description
1	RV 671 A	Rivet, Oval (7/16" x 1-5/8")
2	RV 679 A	Rivet, Oval (7/16" x 1-1/2")
3	21883 A	Shank, Shovel
4	RV 680 A	Rivet, Oval (7/16" x 2-1/2")
5	RV 683 A	Rivet, Oval (1/4" x 2-3/8")
6	15635 A	Strap, Trip (2 used)
7	E 602 A	Post, Trip Spring
8	BT 63 A	Nut (3/8") on 15720A
9	15720 A	Eyebolt, Trip Spring
10	15718 A	Spring, Trip
11	E 603 A	Link, Connecting Trip
12	23723 A	Bushing
13	.....	Bolt, SHM (7/16" x 2-1/4" Cut Thread) with Nut
14	15645 A	Washer, Corrugated (2 used)
15	E 976 A	Sleeve, Shovel
..	.....	21883A with E976A and Spring Trip, Order CA468A
..	.....	15720A with BT63A Nut, Order CA1469A

SC125A AND SC126A SHANKS



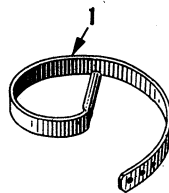
Key	Part No.	Description
1	F 608 A	Sleeve, Shovel
2	.....	Rivet, FCH (5/16" x 1") (2 used)
3	.....	Washer (1" x 11/32" No. 16) (4 used)
4	.....	Rivet, Oval (1/2" x 1-7/8")
5	.....	Rivet, Oval (3/8" x 1-7/8") (2 used)
6	25786 A	Shank, Spring Trip
7	F 610 A	Support, Spring Trip, Left Side
8	F 609 A	Support, Spring Trip, Right Side
9	19023 A	Spring, Trip
10	E 771 A	Nut, Plunger, Spring Trip
11	25247 A	Rod, Plunger, Spring Trip
12	.....	Cotter (1/8" x 3/4")
13	25246 A	Support, Sleeve Adjusting and Trip Strap
14	BT 211 A	Bolt, SHM Drilled (1/2" x 2-3/4") Less Nut
15	.....	Nut, Hex. Slotted (1/2")
16	F 611 A	Coupling, Plunge and Swivel
17	.....	Rivet, Oval (7/16" x 1-3/4") (2 used)
18	25245 A	Strap, Spring Trip (2 used)
..	.....	25876A with F608A and Spring Trip, Order CA497A
..	.....	BT211A Bolt with Nut and Cotter, order CA1956A

SC170A SHANK



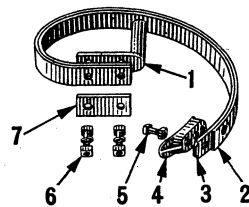
Key	Part No.	Description
1	19505 A	Cap, Cross Arm
2	.....	Bolt, SHM (5/8" x 2-3/4") with Heavy Hex. Nut (2 used)
3	20746 A	Cross Arm
4	.....	Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut (2 used)
5	F 580 A	Cap, Clamp, Cross Arm
6	H 373 A	Clamp, Cross Arm
7	K 544 A	Washer, Corrugated
8	22089 A	Shank
9	.....	Bolt, SHM (1/2" x 2-3/4") with Nut (2 used)

SC101A, SC102A AND SC110A SHANKS



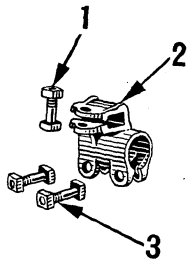
Key	Part No.	Description
1	16035 A	Tooth, Spring

SC103A SHANK



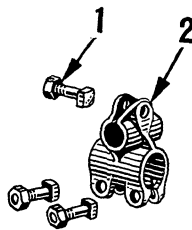
Key	Part No.	Description
1	20318 A	Shank, Spring Tooth
2	20321 A	Leaf, Spring Tooth
3	20320 A	Tooth, Spring
4	E 972 A	Block, Filler
5	.....	Bolt, SHM (1/2" x 1-1/2") with Nut
6	.....	Bolt, SHM (1/2" x 2") with Nut and L.W. (2 used)
7	20319 A	Strap

SC109A CLAMP



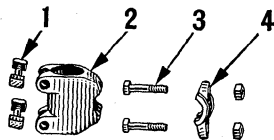
Key	Part No.	Description
1	.....	Bolt, SHM (5/8" x 2") with Nut
2	F 565 A	Clamp
3	.....	Bolt, SHM (5/8" x 2-1/2") with Nut and L.W. (2 used)

SC116A CLAMP



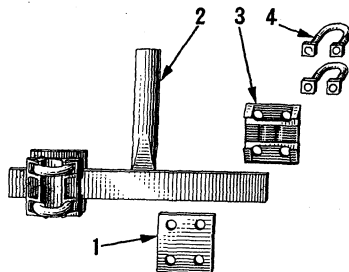
Key	Part No.	Description
1	.....	Bolt, SHM (5/8" x 2-1/2") with (5/8") Heavy Hex. Nut (3 used)
2	E 899 A	Clamp, Shank

SC111A, SC123A AND SC476A CLAMPS



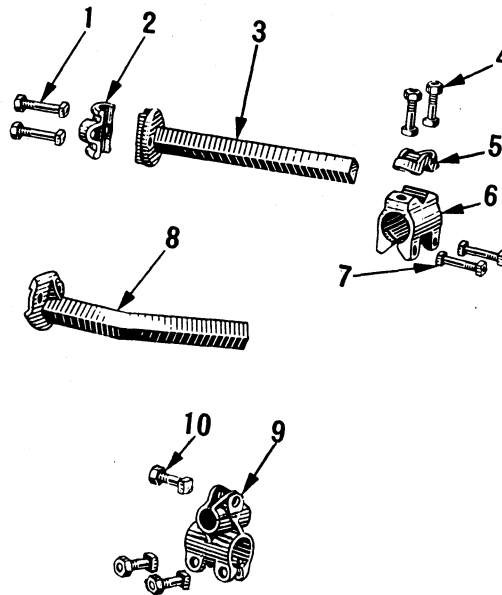
Key	Part No.	Description	SC 111A	SC 123A	SC 476A
1	.....	Bolt, SHM (1/2" x 2-3/4") with Nut.	.....	2	2
1	.....	Bolt, SHM (5/8" x 2-3/4") with Nut.	4	.....	.....
2	H 369 A	Clamp, Shank.	.....	1	1
2	E 961 A	Clamp, Shank.	4	.....	.....
3	.....	Bolt, SHM (1/2" x 2-1/4") with Nut.	.....	2	2
3	.....	Bolt, SHM (5/8" x 2-3/4") with Nut.	8	.....	.....
4	H 370 A	Cap, Shank Clamp.	.....	1	1
4	19505 A	Cap, Shank Clamp.	4	.....	.....

SC95A AND SC96A STUB BEAMS



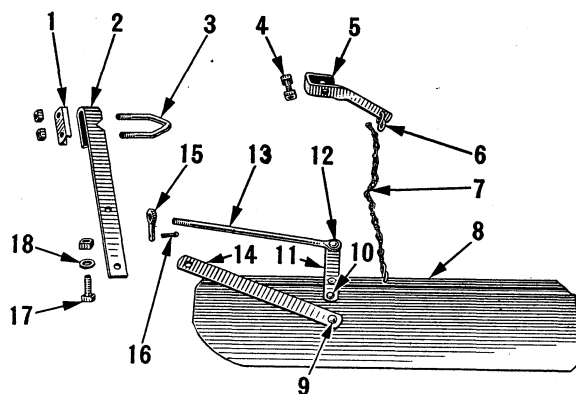
Key	Part No.	Description
1	16254 A	Plate, Shank Holder (2 used)
2	CA 127 A	Beam, Stub
3	E 636 A	Holder, Shank (2 used)
4	CA 1738 A	Clip for Shank, with Nuts (4 used)

**SC108A, SC128A, SC129A, SC132A, SC136A, SC148A AND SC149A
CROSSHEADS**



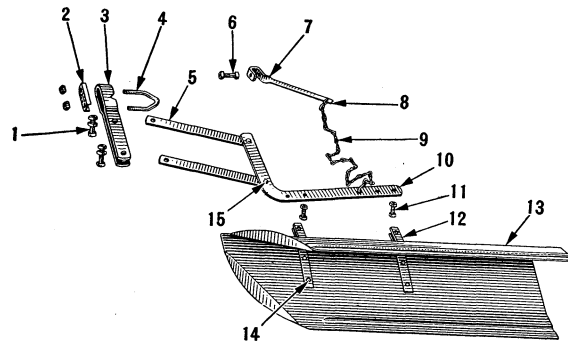
Key	Part No.	Description	SC 108A	SC 128A	SC 129A	SC 132A	SC 136A	SC 148A	SC 149A
1		Bolt, SHM (5/8" x 2-3/4") with Heavy Hex. Nut.....	2	2	2	2	4		
		Bolt, SHM (5/8" x 2-3/4") with Sq. Nut.....						2	2
2	F 19505 A	Cap, Crossarm.....	1	1	1	1	1		
	F 551 A	Cap, Crossarm.....						1	1
3	20746 A	Crossarm, 8" Long.....		1			1	1	
	20357 A	Crossarm, 10" Long.....			1				
	20358 A	Crossarm, 14" Long.....	1						
	21818 A	Crossarm, 27-1/2" Long.....							1
4		Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut.....	2	2	2	2	2	2	2
5	F 580 A	Cap, Clamp, Crossarm.....	1	1	1	1	1	1	1
6	H 373 A	Clamp, Crossarm.....	1	1	1	1	1	1	1
7		Bolt, SHM (1/2" x 2-3/4") with Nut.....	2	2	2	2	2	2	2
8	27203 A	Crossarm.....				1			
9	E 899 A	Clamp Shank.....					1		
10		Bolt, SHM (5/8" x 2-1/2") with Heavy Hex. Nut.....					1		

SC46A SHIELD



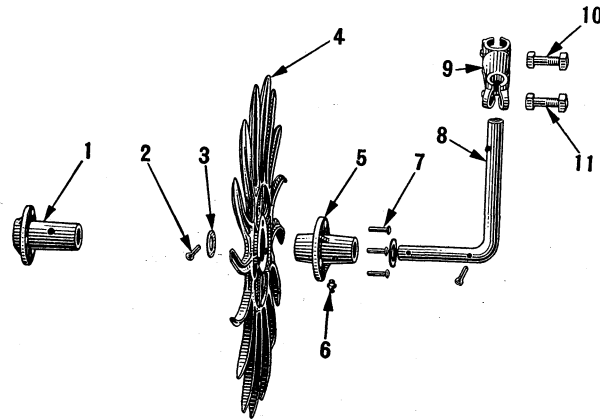
Key	Part No.	Description
1	21919 A	Cap, Shield Arm Clip
2	27176 A	Arm, Shield, R. H.
	27177 A	Arm, Shield, L. H.
3	CA 1734 A	Clip, Shield Arm, with 2 (1/2") Nuts
4	.....	Bolt, SHM (7/16" x 2") with Nut
5	21920 A	Arm, Chain, Shield
6	28244 A	S-Hook (2 used)
7	4665 A	Chain
8	29097 A	Shield, R. H. (Blade Only)
	29098 A	Shield, L. H. (Blade Only)
9	23869 A	Washer on RV701A Rivet
	RV 701 A	Rivet, Shoulder
10	.....	Rivet, F. H. (1/4" x 5/8") (2 used)
11	19079 A	Strap, Shield Adjusting Rod
12	.....	Rivet, Oval (3/8" x 7/8")
13	20248 A	Rod, Shield Adjusting
14	20793 A	Strap, Shield Arm
15	19883 A	Eyebolt, Shield Adjusting Rod
16	.....	Cotter, (3/16" x 1")
17	.....	Bolt, SHM (1/2" x 1-1/4" with 1" Thread) with Nut
18	24086 A	Washer (1-1/16" x 1/8" x 9/16")
..	4665 A	Chain with 28244A S-Hook, Order CA1299A

SC42A SHIELD



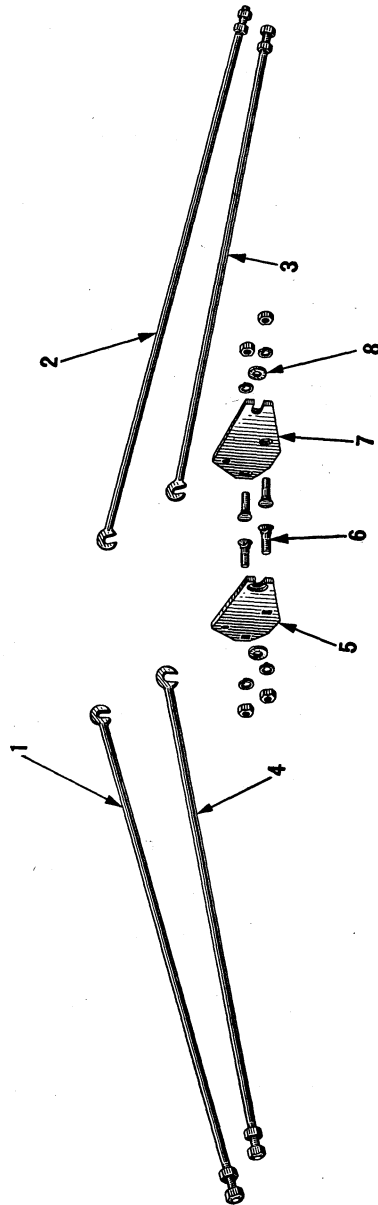
Key	Part No.	Description
1	.....	Bolt, SHM (1/2" x 1-3/4") with Two Nuts (2 used)
2	21919 A	Cap, Shield Arm Clip
3	23088 A	Support, Shield Arm
4	CA 1734 A	Clip, Shield Arm, with Two (1/2") Nuts
5	20793 A	Strap, Shield Arm (2 used)
6	.....	Bolt, SHM (7/16" x 2") with Nut
7	22826 A	Arm, Shield Chain
8	12912 A	S-Hook (2 used)
9	4665 A	Chain
10	23089 A	Arm, Shield
11	.....	Bolt, SHM (3/8" x 1-1/4") with Nut
12	18370 A	Strap, Shield Arm (4 used)
13	18368 A	Shield
14	.....	Rivet, F. H. (1/4" x 1/2") (8 used)
15	RV 714 A	Rivet, Shoulder (2 used)

SC40A ROTARY HOE SHIELD



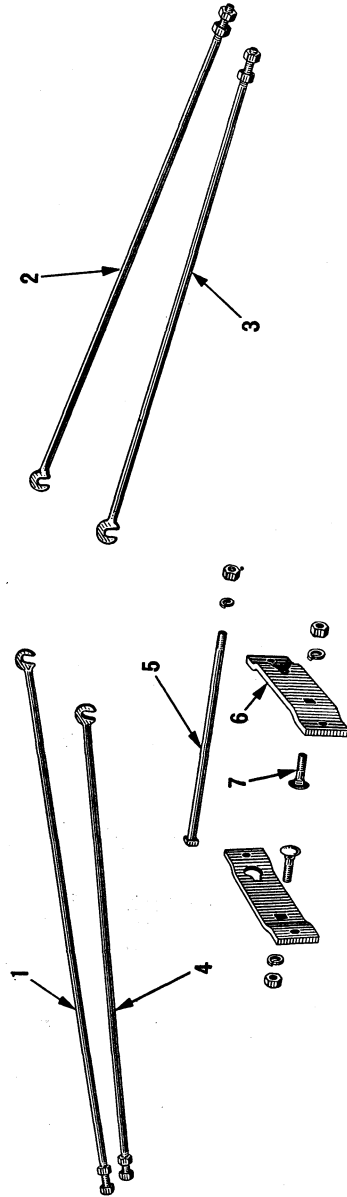
Key	Part No.	Description
1	F 515 A	Hub, L. H.
2	.....	Cotter (1/4" x 1-1/2") (2 used)
3	.....	Washer (1-1/32" x 1-5/8" No. 16) (2 used)
4	M 350 D	Wheel
5	F 557 A	Hub, R. H.
6	JD 7759	Alemite, in F515A, or F557A
7	.....	Rivet, Oval (5/16" x 1-1/4") (3 used)
8	22830 A	Axle
9	F 516 A	Clamp, Axle
10	.....	Bolt, SHM (5/8" x 2-1/4") with Nut
11	.....	Bolt, SHM (5/8" x 2") with Nut

SC195A TRUSS RODS AND SC223A ADAPTER



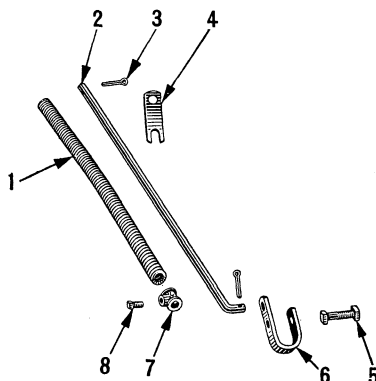
Key	Part No.	Description
1	CA 650 A	Rod, Upper Truss, L. H. with two (5/8") Heavy Hex. Nuts
2	CA 649 A	Rod, Upper Truss, R. H. with two (5/8") Heavy Hex. Nuts
3	CA 651 A	Rod, Lower Truss, L. H. with two (5/8") Heavy Hex. Nuts
4	CA 652 A	Rod, Lower Truss, R. H. with two (5/8") Heavy Hex. Nuts
5	27514 A	Plate, Adapter, L. H.
6	.....	Bolt, Square Neck Plow (5/8" x 2") with Heavy Hex. Nut and L.W. (4 used)
7	27513 A	Plate, Adapter, R. H.
8	15353 A	Washer (1-3/8" x 21/32" x 1/4") (2 used)

SC193A TRUSS RODS AND S10766 ADAPTER



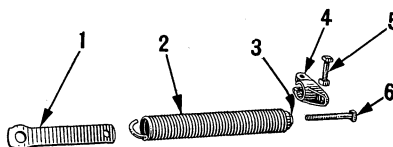
Key	Part No.	Description
1	CA 644 A	Rod, Upper Truss, L. H., with two (5/8") Heavy Hex. Nuts
2	CA 643 A	Rod, Upper Truss, R. H., with two (5/8") Heavy Hex. Nuts
3	CA 645 A	Rod, Lower Truss, R. H., with two (5/8") Heavy Hex. Nuts
4	CA 646 A	Rod, Lower Truss, L. H., with two (5/8") Heavy Hex. Nuts
5	CA 1731 A	Tie Bolt, Adapter Plate with (5/8") Hex. Nut and L.W.
6	27500 A	Plate, Adapter, (2 used)
7	.....	Bolt, Lge. (5/8" x 2") with Hex. Nut and L.W. (2 used)

SC211A SPRING PRESSURE RODS FOR REAR RIGS



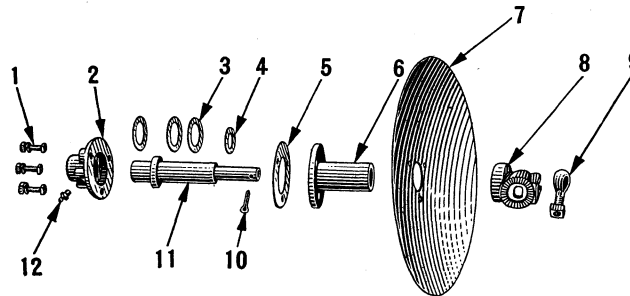
Key	Part No.	Description
1	22371 A	Spring
2	22372 A	Rod, Pressure
3	.....	Cotter (1/4" x 1-1/4") (2 used)
4	22373 A	Post
5	.....	Bolt SHM (1/2" x 2-1/2") with Nut
6	22374 A	Clamp
7	E 394 A	Collar
8	.....	Set Screw (3/4" x 7/16") No. 14 Cup Point
..	CA 28 A	E394A with Set Screw

SC220A PENETRATION SPRINGS FOR FRONT RIGS



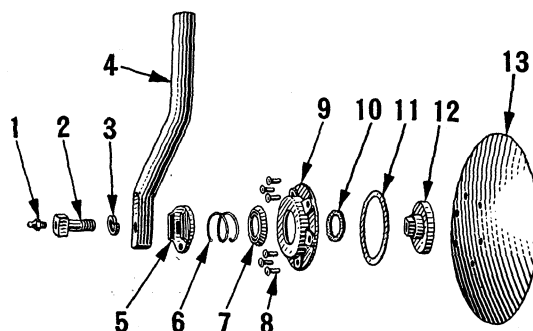
Key	Part No.	Description
1	22670 A	Strap, Spring
2	22196 A	Spring (22196A with M872A Nut, order CA285A)
3	M 872 A	Nut
4	E 982 A	Collar, Spring Adjusting
5	.....	Bolt, SHM (1/2" x 2-1/4") with Nut
6	BT 72 A	Bolt, SHM (1/2" x 4-1/2") Less Nut

SC163A-16" DISK



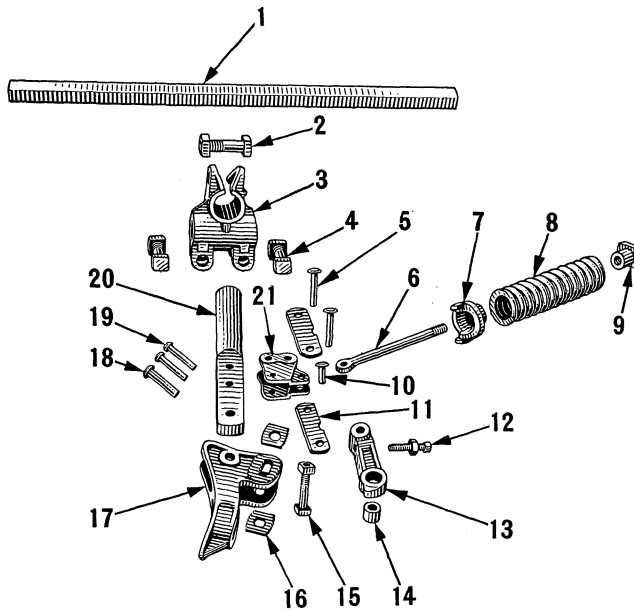
Key	Part No.	Description
1	.....	Bolt, SHM (3/8" x 1-3/4" Cut Thread) with L.W and Nut (3 used)
2	K 525 A	Cap, Disk Hub
3	19322 A	Washer (3 used)
4	18976 A	Washer
5	23656 A	Gasket, Cardboard
6	K 524 A	Hub, Disk
7	4212 A	Disk, 16"
8	K 530 A	Cap, Sand Disk Hub
9	CA 1293 A	Eyebolt, Disk Spindle, with (1/2") Nut
10	.....	Cotter (1/4" x 1-1/4")
11	CA 418 A	Spindle, Disk
12	JD 7759	Alemite, in K525A
..	.....	K525A with JD7759, Order CA548A

SC205A AND SC206A DISK HILLERS



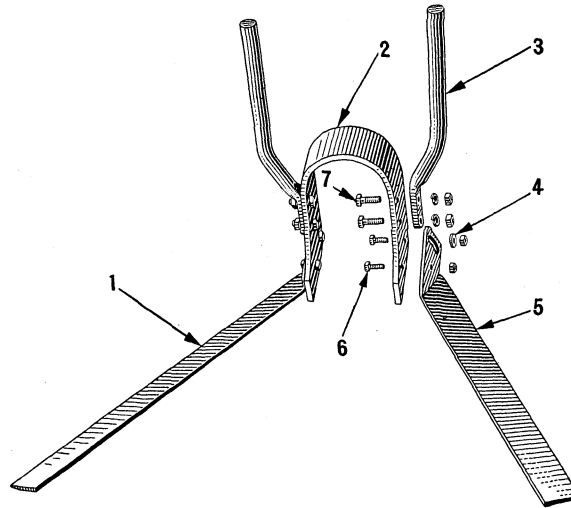
Key	Part No.	Description	SC	SC
			205A	206A
1	JD 7759	Alemite.....	1	1
2	BT 121 A	Bolt, Hex. Head (5/8" x 1-3/4") Less Nut.....	1	1
3		Washer, Lock (5/8").....	1	1
4	(24649 A	Shank, R. H.....	1	1
	24650 A	Shank, L. H.....	1	1
5	K 504 A	Washer, Retaining, Spring and Bearing.....	1	1
6	S 7 M	Spring, Dust Cap.....	1	1
7	A 458 M	Cap, Dust.....	1	1
8		Rivet, Oval Pointed (1/4" x 3/4").....	6	6
9	K 503 A	Case, Bearing.....	1	1
10	B 1845 M	Washer, Felt.....	1	1
11	20624 A	Washer, Paper.....	1	1
12	K 502 A	Hub, Bearing.....	1	1
13	(20377 A	Disk, 12".....	1	...
	22877 A	Disk, 14".....	...	1
	28354 A	Slug in Center of Disk.....	1	1
..		20377A Disk Complete, Order CA1654A		
..		22877A Disk Complete, Order CA1775A		

SC150A SPREAD BAR



Key	Part No.	Description
1	23716 A	Bar, Spread
2	.....	Bolt, SHM (3/4" x 2-3/4") with Nut
3	F 547 A	Clamp, Shank
4	.....	Bolt, SHM (5/8" x 2-3/4") with Nut (2 used)
5	RV 779 A	Rivet, Oval (7/16" x 2") (2 used)
6	23770 A	Rod, Plunger, Spring Trip
7	F 555 A	Stop, Plunger Spring
8	23772 A	Spring, Trip
9	F 556 A	Nut, Plunger, Spring Trip
10	RV 778 A	Rivet Oval (7/16" x 1")
11	23711 A	Strap, Spring Trip (2 used)
12	CA 462 A	Bolt, Hex. Head (1/2" x 2") with (1/2") Sq. Nut
13	F 554 A	Link, Connecting Spring Trip
14	23723 A	Bushing, in F554A
15	.....	Bolt, SHM (7/16" x 2-1/4" Cut Thread) with Nut
16	15645 A	Washer, Corrugated
17	E 816 A	Sleeve, Shovel
18	.....	Rivet, Oval (1/2" x 1-7/8")
19	.....	Rivet, Oval (3/8" x 1-3/4") (2 used))
20	23769 A	Shank, Shovel
21	F 553 A	Support, Plunger and Trip Strap

No. 1 KNIFE ATTACHMENT



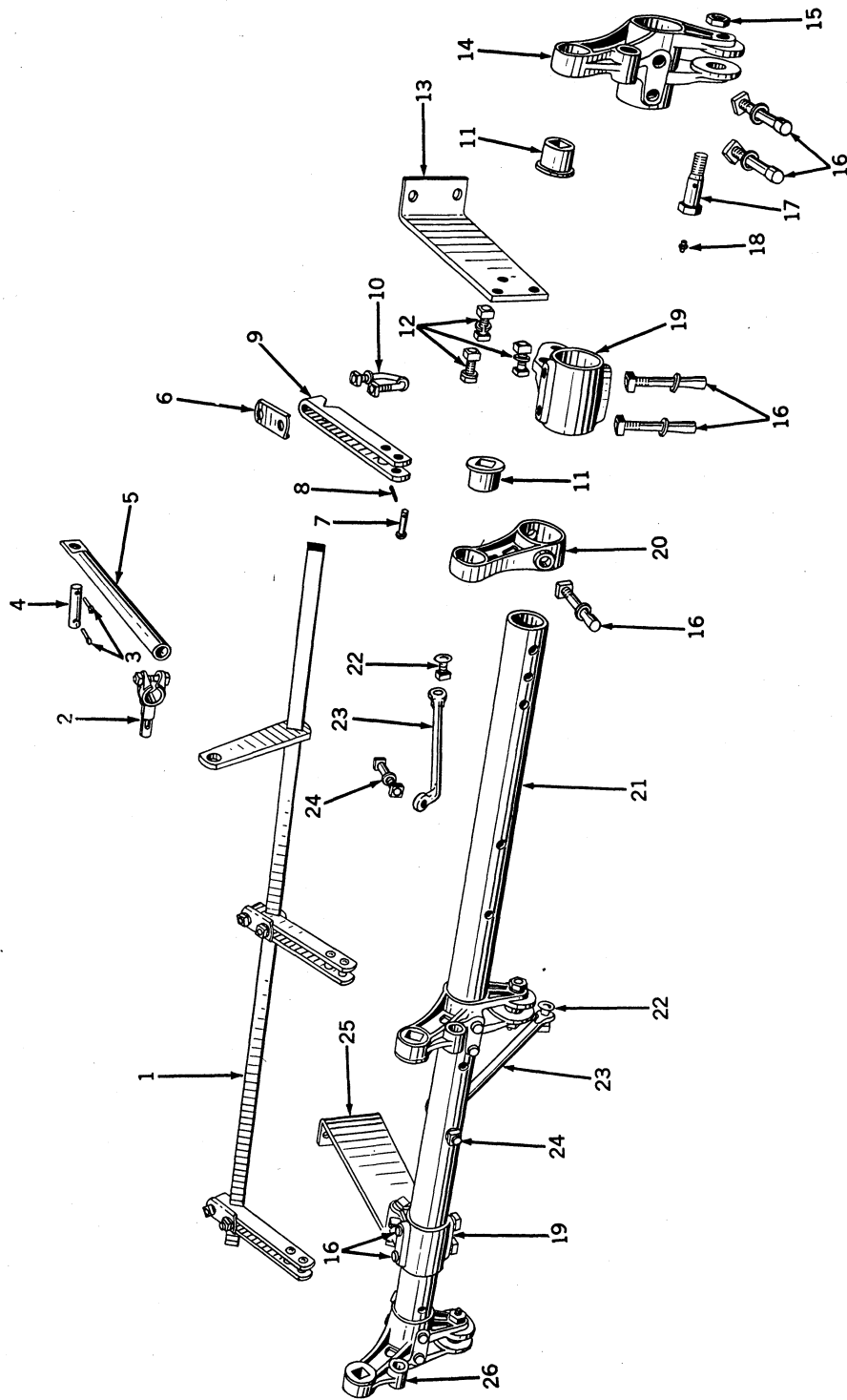
Key	Part No.	Description
1	16149 A	Knife, 40" L. H., (Regular)
	17408 A	Knife, 48" L. H., (Special)
2	23793 A	Arch
3	23799 A	Shank, (2 used)
4		Washer (1-1/8" x 1/2" No. 16) (2 used)
5	16148 A	Knife, 40" R. H., (Regular)
	17407 A	Knife, 48" R. H., (Special)
6		Bolt, SHM (7/16" x 1-1/4") with Nut (4 used)
7		Bolt, SHM (1/2" x 1-3/4") with L.W. and Nut (4 used)

Knives must be ordered in pairs of L. H. and R. H. as follows:

SC159A Pair L. H. and R. H. 40" Knives

SC160A Pair L. H. and R. H. 48" Knives

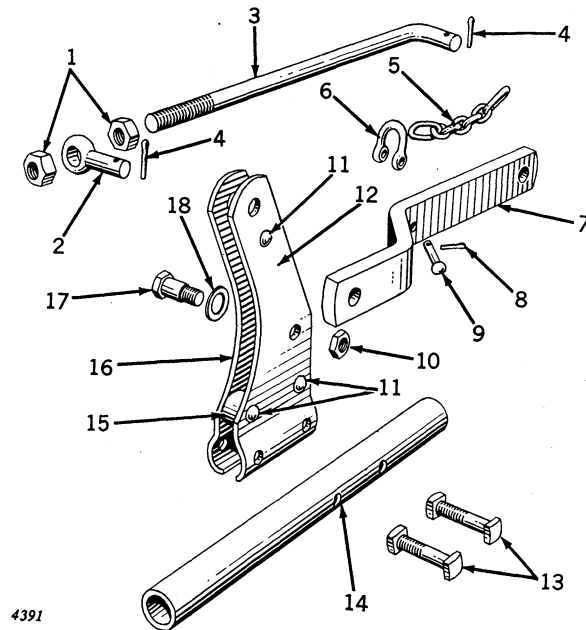
SC471A AND SC472A REAR FRAMES



SC471A AND SC472A REAR FRAMES—Continued

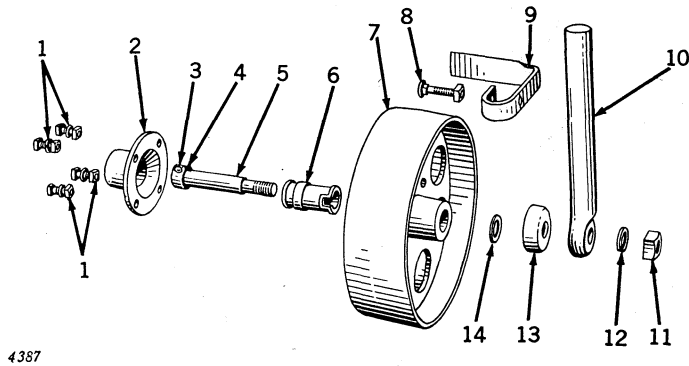
Key	Part No.	Description	SC 471A	SC 472A
1	CA 186 A	Bar, Lift, Rear.	1	1
2	CA 187 A	Bar, Lift, Rear.		
3	CA 1200 A	Collar, Lift Pipe, and Strap with (1/2" x 2-1/4") SHM Bolt with Nut.		
4	22317 A	Cotter (5/16" x 1-1/2")	1	1
5	CA 1998 A	Pin, Lift Pipe	2	2
6	19048 A	Pipe, Lift Assembly	1	1
7	RV 760 A	Cap, Lift Arm	3	3
8		Rivet, Drilled (3/8" x 1-3/4")	3	3
9	CA 1108 A	Cotter (3/16" x 1")	3	3
10	CA 1584 A	Arm, Lift, Assembly	3	3
11	F 566 A	Clip, Lift Arm, with Nuts and L.W.	3	3
12		Bushing, Rig Hanger	4	4
13	29276 A	Bolt, SHM (5/8" x 1-3/4") with Nut and L.W.	6	6
14	F 548 A	Plate, Support, Rear Frame, R. H.	1	1
15		Hanger, Rig, R. H.	2	2
16	19448 A	Nut, Hex. (7/8")	3	3
17	19017 A	Bolt, Wedge (5/8" x 5-5/8") with Nut and L.W.	11	11
18	JD 7759	Stud, Rig Coupling	3	3
19	E 1000 A	Alemite	3	3
20	F 550 A	Support, Pipe, Rear Frame	2	2
21	23794 A	Support, Lift Shaft	1	1
22	23795 A	Pipe, Rear Frame (For No. 4)	1	1
23	29278 A	Pipe, Rear Frame (For No. 5)		
24		Bolt, Oge. (5/8" x 1-3/4") with Nut and L.W.	2	2
25	29277 A	Brace, Rear Frame	2	2
26	F 549 A	Bolt, SHM (5/8" x 4-1/4") with Nut and L.W.	1	1
		Plate, Support, Rear Frame, L. H.	1	1
		Hanger, Rig, L. H.	1	1

SC473A, SC474A AND SC475A REAR RIGS



Key	Part No.	Description	SC 473A	SC 474A	SC 475A
1		Nut, Hex. (1'')	2	2	2
2	23787 A	Pivot, Upper Rig Link	1	1	1
3	23786 A	Link, Upper Rig	1	1	1
4		Cotter (1/4' x 1-1/2'')	2	2	2
5	23721 A	Chain, Rig Lifting	1	1	1
6	23789 A	Clevis, Chain, Rig Lifting	1	1	1
7	23788 A	Link, Lower Rig	1	1	1
8		Cotter (3/16' x 1'')	1	1	1
9	RV 753 A	Rivet, Oval Drilled (7/16' x 2-1/4'')	1	1	1
10		Nut, Hex. (7/8'')	1	1	1
11		Rivet, Oval (1/2' x 2-1/2'')	3	3	3
12	21706 A	Plate, Rig Coupling, Right Side	1	1	1
13		Bolt, SHM (5/8' x 3-1/4'') with Nut	2	2	2
14	27298 A	Beam, Rig	1		
	25998 A	Beam, Rig		1	1
15	F 511 A	Spreader, Rig Coupling Plate	3	3	3
16	21707 A	Plate, Rig Coupling, Left Side	1	1	1
17	19925 A	Stud, Rig Coupling	1	1	1
18	18813 A	Washer	1	1	1
..	CA 818 A	21706A with 21707A, three F511A and Rivets			

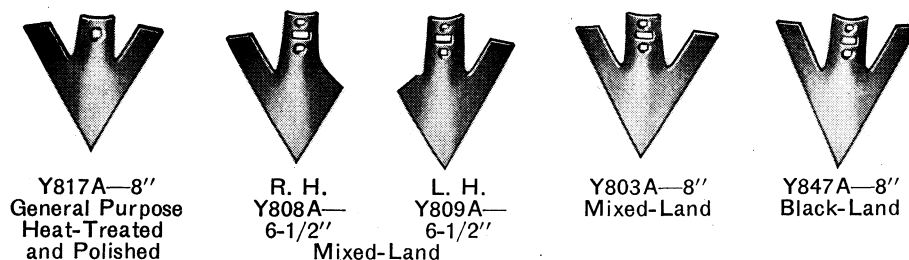
SD441A GAUGE WHEEL



4387

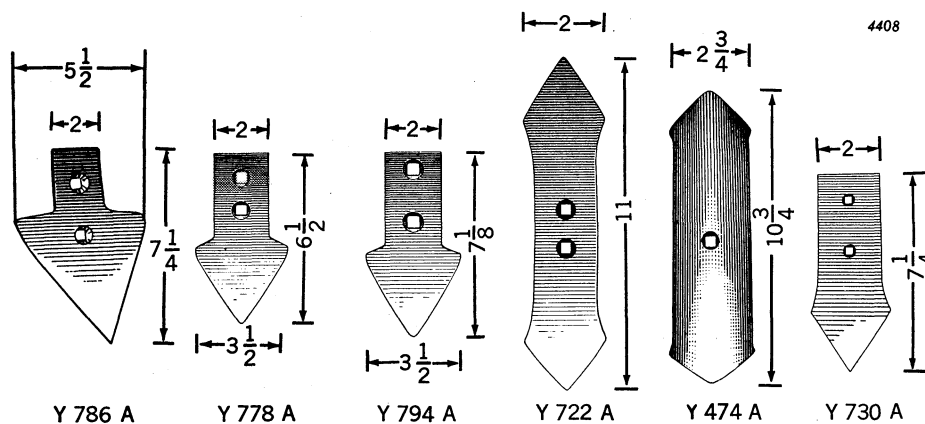
Key	Part No.	Description
1	.....	Bolt, SHM (3/8" x 1-1/8") with Nut and L.W. (4 used)
2	E 834 A	Cap, Gauge Wheel
3	.....	Rivet, O.H. (3/16" x 1-5/8")
4	20777 A	Collar, Wheel Box
5	19229 A	Pin, Gauge Wheel Axle
6	E 936 A	Bearing, Axle
7	E 921 A	Wheel, Gauge
8	.....	Bolt, Cge. (7/16" x 2-1/4") with Nut
9	23797 A	Scraper
10	23796 A	Shank
11	.....	Nut (3/4")
12	.....	Washer, Lock (3/4")
13	E 941 A	Cap, Dust
14	20778 A	Washer

SWEEPS AND SHOVELS



SIZE OF SWEEPS	Mixed-Land Sweep	Black-Land Sweep	General Purpose Sweep
4" Full Sweep.....		Y845A	.....
5" Half Sweep, R. H.....			Y822A
5" Half Sweep, L. H.....			Y823A
6" Full Sweep.....	Y802A	Y846A	Y816A
6" Full Sweep, 2 Bolts for Spring Tooth.....			Y815A
6-1/2" Half Sweep, R. H.....	Y808A		Y820A
6-1/2" Half Sweep, L. H.....	Y809A		Y821A
8" Full Sweep.....	Y803A	Y847A	Y817A
10" Full Sweep.....	Y804A	Y848A	Y818A
12" Full Sweep.....	Y805A	Y813A	Y819A
14" Full Sweep.....	Y806A	Y814A	.....
16" Full Sweep.....	Y807A	Y827A	.....
18" Full Sweep.....		Y828A	.....
20" Full Sweep.....		Y829A	.....

SHOVELS



No.	Size	Type	Material	Used on
Y786A	5-1/2" x 7-1/4"	Single-Point	Hard	Sleeve
Y778A	3-1/2" x 6-1/2"	Single-Point	Solid	Spring Tooth
Y794A	3-1/2" x 7-1/8"	Single-Point	Solid	Sleeve
Y722A	2" x 11"	Double-Point	Solid	Spring Tooth
Y474A	2-3/4" x 10-3/4"	Double-Point	Solid	Sleeve
Y730A	2-1/4" x 7-1/4"	Single-Point	Hard	Spring Tooth

For Other Types of Shovels or Sweeps See Your John Deere Dealer
USE GENUINE JOHN DEERE SWEEPS AND SHOVELS

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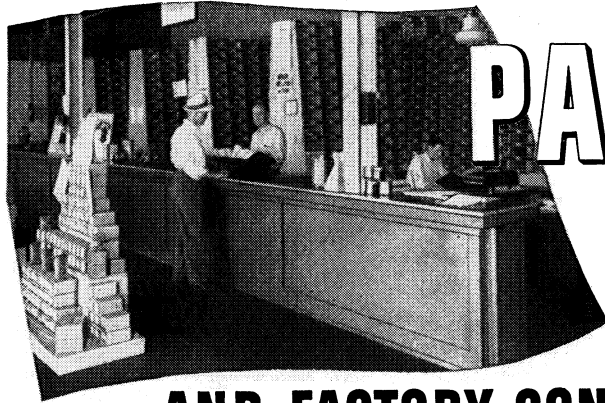
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