

DOUBLE LEVEL BED POTATO DIGGER



JOHN DEERE

OPERATORS MANUAL DOUBLE LEVEL BED POTATO DIGGER

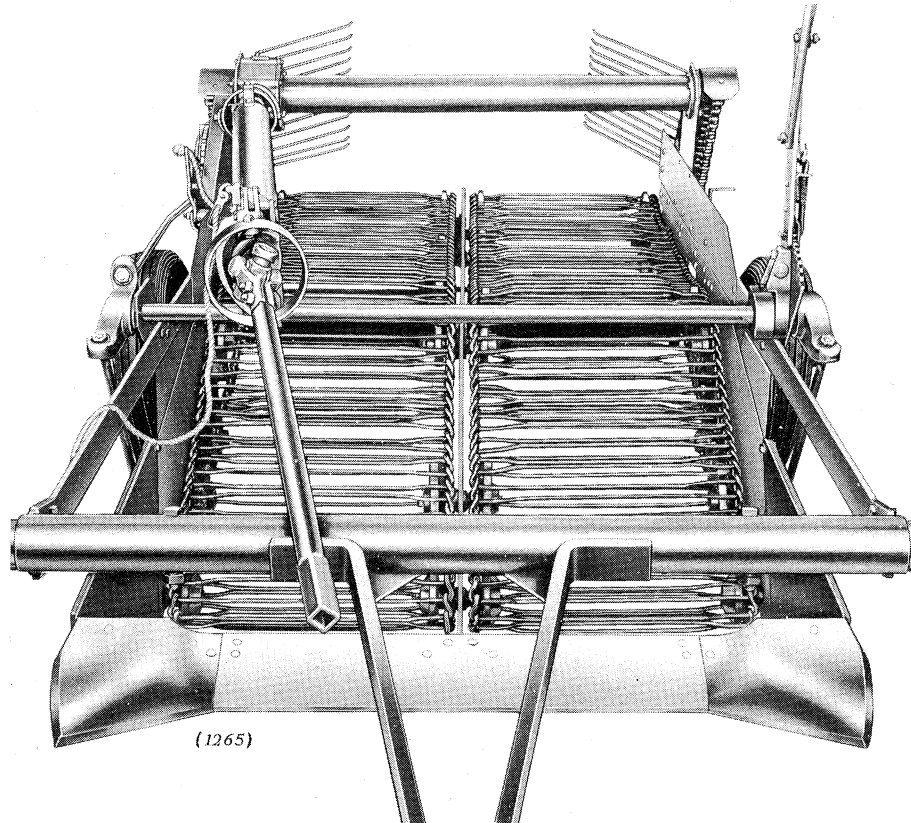
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ENGLISH



TO THE OWNER OF THE NEWEST IN POTATO DIGGERS:



We share your pride in your new John Deere Double Level-Bed Potato Digger. Behind this digger is the experience of 50 years in potato machinery design and a sincere interest in your potato culture problems. Your new digger gives you freedom from "plugging" and trash problems, added strength and simplicity of design plus all the time and field proved advantages of the famous Level-Bed Digger. You can look forward to years of complete satisfaction and the security of knowing that your crop will be harvested on time, in a clean and unbruised condition. You own the best—keep it the best—by carefully studying this manual, making the few easy adjustments provided, frequent lubrication and use of genuine John Deere parts.

Date Purchased.....19.....

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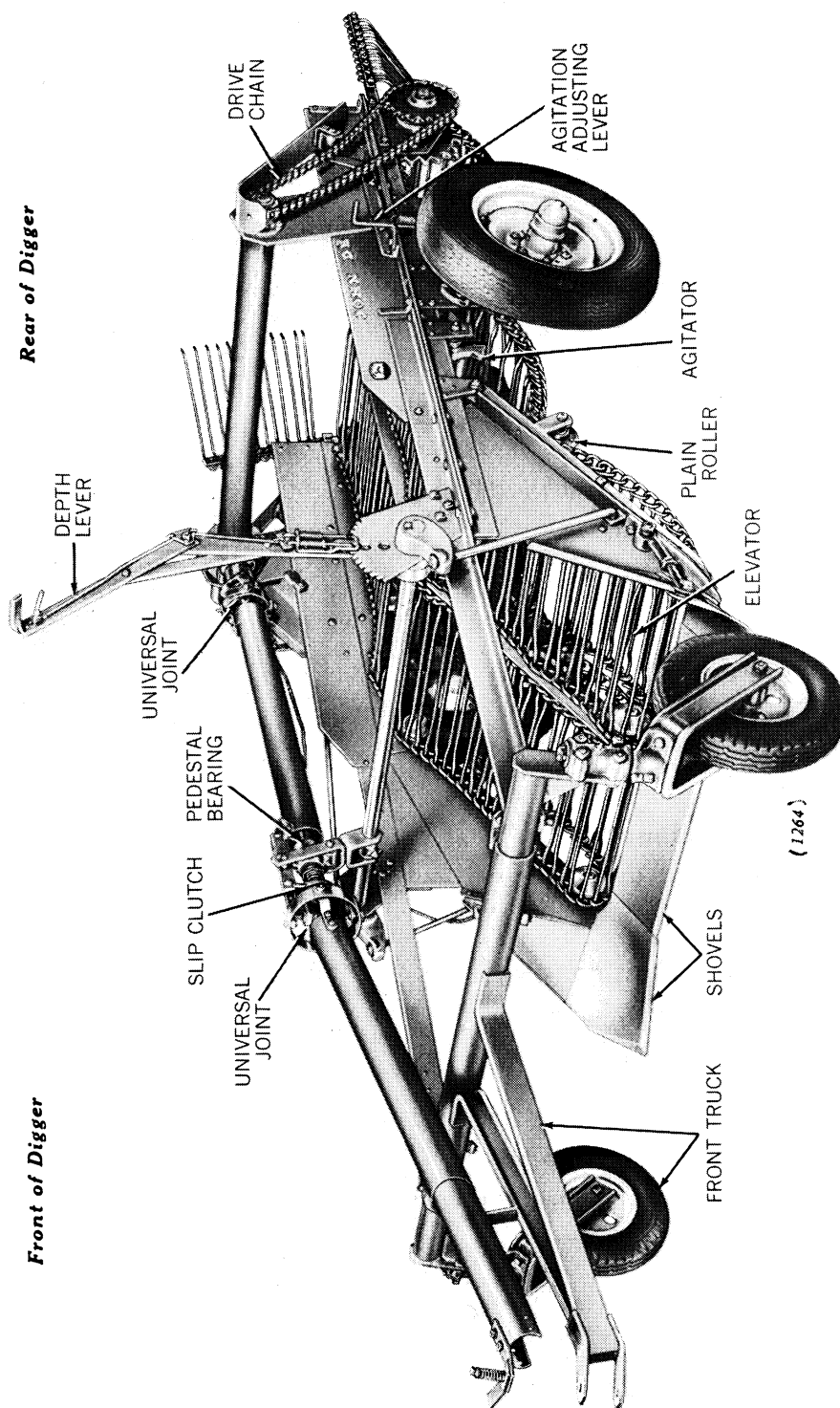


Figure 1—Left-Hand Side of John Deere Double Level-Bed Digger

Rear of Digger

Front of Digger

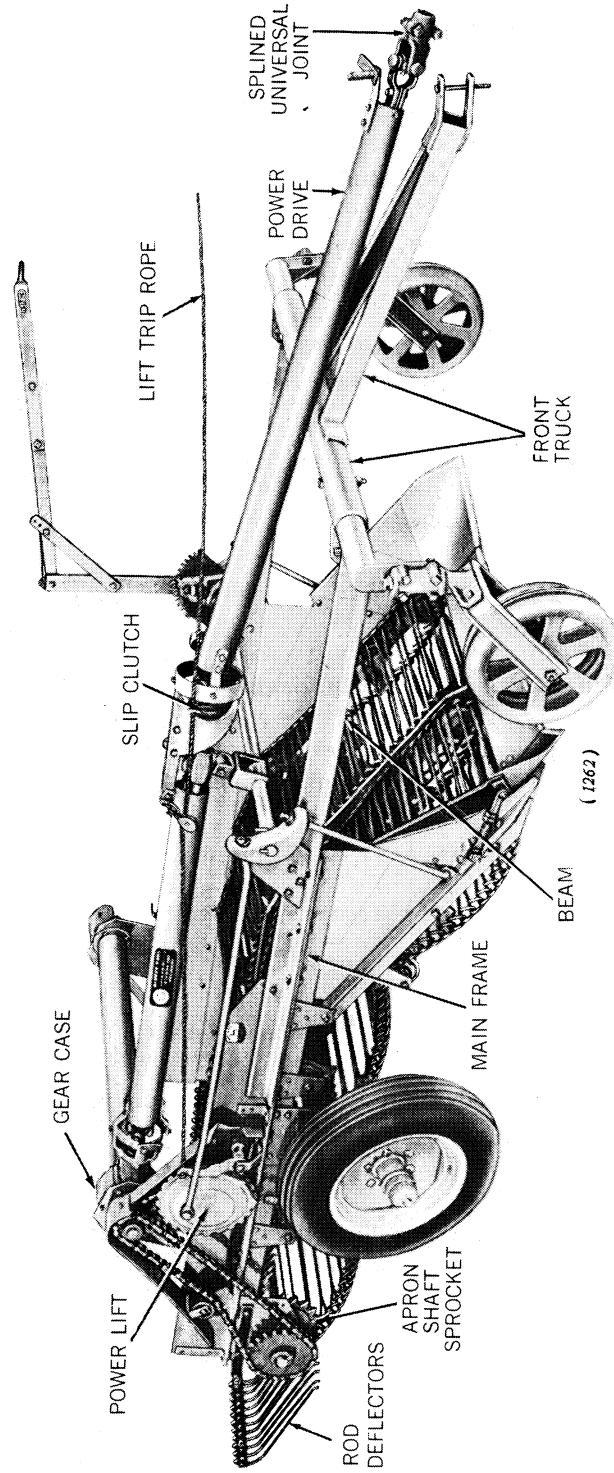


Figure 2—Right-Hand Side of John Deere Double Level-Bed Digger

OPERATING INSTRUCTIONS

SUGGESTIONS

1. Always stop the power shaft when making turns.
2. Adjust slip clutch so it will slip when necessary to protect your digger. Keep a light film of oil on clutch face.
3. Run digger for several minutes after assembling and check all bearings and universal joints to be sure they are properly assembled and adjusted.
4. Check all nuts and bolts frequently. It is a good plan to do this each time the digger is lubricated.
5. Keep excessive slack out of the digger elevator by removing links when necessary.
6. Keep lift mechanism well lubricated and bolts **TIGHT**.
7. Use the proper drive sprockets to best suit your separating requirements.
8. Use genuine repairs. They fit better and last longer.
9. Lubricate digger and telescope drive shafts freely.

SEPARATION

Gentle handling of the potatoes is of primary importance and the longer that separation can be delayed, but eventually obtained, the better will be the results.

Delayed separation is desirable because a layer of dirt under the potatoes will cushion them and prevent bruising.

There are four means of adjusting the amount of separation on your digger:

- | | |
|------------------------------|----------------------------------|
| 1. Shovel Depth Adjustment | 3. Agitation Adjustment |
| 2. Front Elevator Adjustment | 4. Various Sized Drive Sprockets |

SHOVEL DEPTH ADJUSTMENT

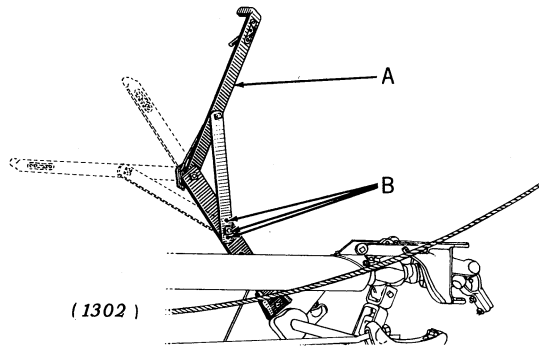


Figure 3

The depth of the shove determines the amount of earth carried up the elevator. The working depth of the shovel can be readily controlled by the double pawl depth lever, "A" (Figure 3).

The holes at "B" (Figure 3) permit adjustment of the arm for easier operation. The lever may be arranged in any of the positions shown by the dotted lines.

FRONT ELEVATOR ADJUSTMENT

Holes in the shovel hangers at "A" (Figure 4) permit the front rollers to be raised or lowered in relation to the shovel. As the rollers are raised the elevator breaks up the dirt more quickly.

IMPORTANT: In stony ground the front rollers should be placed in one of the rear holes to provide clearance for stones between the elevator and shovel.

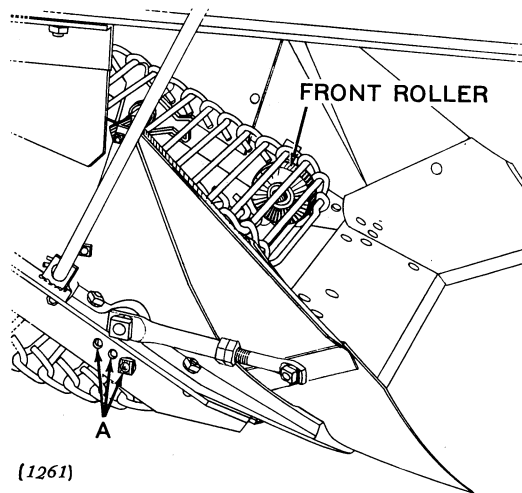


Figure 4

AGITATION ADJUSTMENT

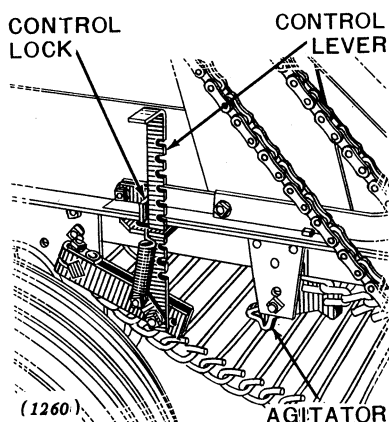


Figure 5

Separating conditions vary greatly in different types of soil and weather.

Your John Deere Digger is equipped with an Agitation Control that can instantaneously be adjusted to vary the amount of elevator shake or agitation.

Simply flip back the control lock and push the control lever down for more agitation or raise it for less. The control lock should be placed in the locked position after the desired adjustment has been made.

The agitators may also be bolted in the high or low holes on the agitator hangers.

DRIVE SPROCKETS

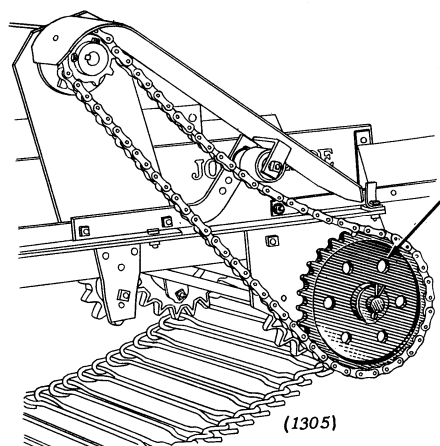


Figure 6

Number	Size	Elevator Speed
E1037 F	18-Tooth	Fastest
E1038 F	22-Tooth	Fast
E1039 F	26-Tooth	Normal
E1045 F	29-Tooth	Slow
E1046 F	33-Tooth	Slowest

To meet varying field conditions it is sometimes necessary to increase or decrease the speed of the elevator. Five sizes of drive sprockets are available to meet these requirements.

Select from the chart above the sprocket to suit your digging conditions.

When setting up the digger it is advisable to keep any surplus links removed from the drive chain. These links will be required if at a later date larger sprockets are used.

We recommend that if possible the tractor be driven in second gear with the proper drive sprocket on the digger. Then when it is necessary, in certain spots in the field, to increase the elevator speed, the tractor can be shifted into low gear. Because of constant power take-off speed this automatically increases the speed of the elevator in relation to the forward travel of the tractor.

MECHANICAL POWER LIFT

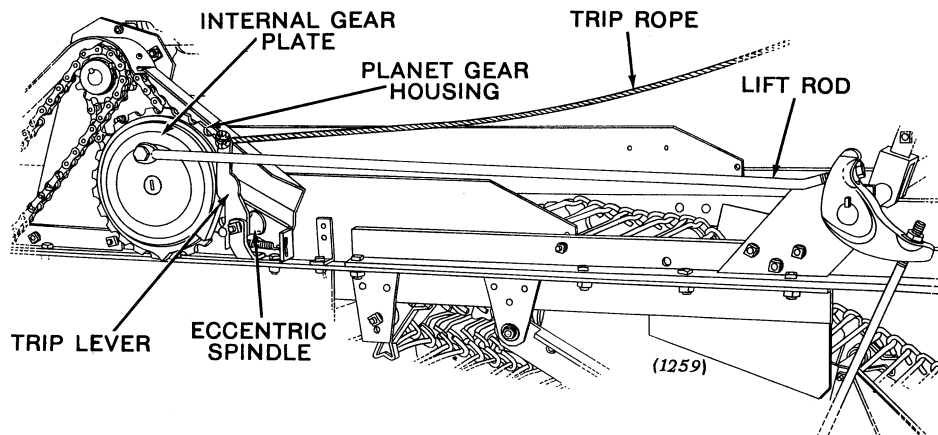


Figure 7

BE SURE TO READ SETTING-UP INSTRUCTIONS ON PAGES 17 to 20.

If the lift has been properly set up and checked (see page 20) there should be little need for further adjustment.

The power lift is composed of two cast plates. One plate, the planet gear housing, is driven by the chain from the power drive shaft and revolves constantly with the power shaft. The other plate, the internal gear plate, remains stationary until a pull on the rope and trip lever locks the planet gear housing. Internal gears between these plates then cause the internal gear plate to revolve which in turn pulls back on the lift rod and raises the shovel until the internal gear plate has locked in transport position.

Another pull on the rope releases the internal gear plate which allows the shovel to drop to the adjusted digging depth.

With this power lift, it is not necessary to use the lever for raising the shovel. It can remain in the set position.

For best results the eccentric spindle should be adjusted to maintain 1/16-inch clearance between the roller and the top of the teeth on the planet gear housing.

KEEP ALL NUTS TIGHT.

GREASE THE THREE ZERK FITTINGS WELL.

Two of these Zerk fittings are located behind the power lift sprocket and the other is on the hub.

IMPORTANT: Before going into the field familiarize yourself with the lifting and dropping action of the lift.

SLIP CLUTCH

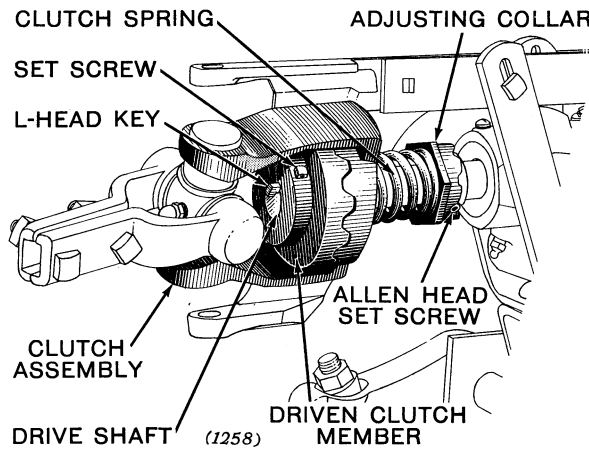


Figure 8

The slip clutch is provided to protect digger parts should a stone or other obstruction become lodged in the elevator.

Adjustment is made by using the adjusting collar to increase or decrease the tension on the clutch spring.

To adjust the clutch:

1. Remove the wire, loosen the set screw, and remove the L-head key.
2. With a wrench or bar unscrew the clutch assembly enough to relieve the spring pressure so that the adjusting collar can be turned to the desired notch.
3. Do not remove the Allen Head set screws at the adjusting collar.
4. Oil or grease the clutch faces and oil the shaft.
5. Reassemble so that the end of the drive shaft is flush with the back of the driven clutch member as shown in Figure 8.

Be sure that the set screw is replaced and properly seated in the spot in the shaft and that the wire is replaced.

GUARDS

Special attention has been given to the shielding of moving parts for the safety of operator. Use care by keeping hands and loose clothing from shafts, gears and chains while machine is in operation.

BE SURE THAT GUARDS ARE PROPERLY ATTACHED. DO NOT ATTEMPT TO ADJUST OR GREASE DIGGER WITH POWER DRIVE IN MOTION.

USE AND CARE OF ROLLER DRIVE CHAIN

Roller drive chains should be lubricated often. A good grade of light cylinder oil should be used. A paint brush should be used to apply oil to the chain joints.

Take the chain off regularly and clean thoroughly in kerosene. Before replacing the chain, dry it well and oil. Before storing the machine clean the chain thoroughly and protect with heavy oil or grease.

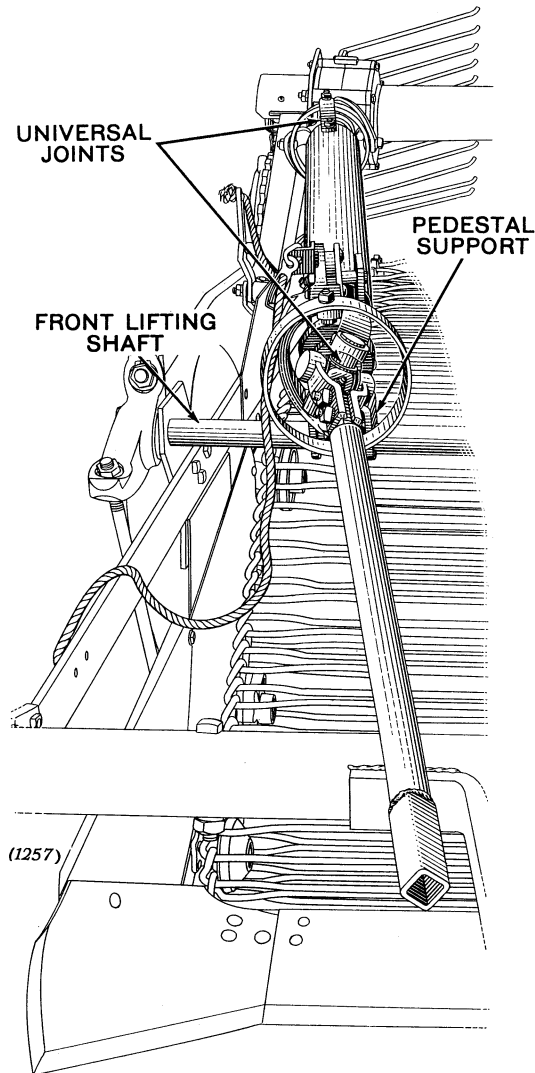


Figure 9

POWER DRIVE

A straight line of power from tractor to digger can be obtained by sliding the pedestal support across the front lifting shaft.

Pedestal should be set so that each of the three universal joints has approximately the same amount of angularity.

CAUTION: Always stop the power shaft when making turns.

UNIVERSAL JOINTS

When assembling universal joints be sure to tighten attaching bolts evenly and be sure that side bars fit down evenly on square end of shaft and center block. Be sure that leather washers are in place on the center block. Shims are provided for proper alignment to prevent binding.

Always try free end of joint to be sure it does not bind before attaching the next shaft.

Splined universal joints should not be taken apart. Loosen bolts only enough so that splines will slip into the grooves on the tractor power take-off shaft.

METHOD OF CONNECTING ELEVATOR

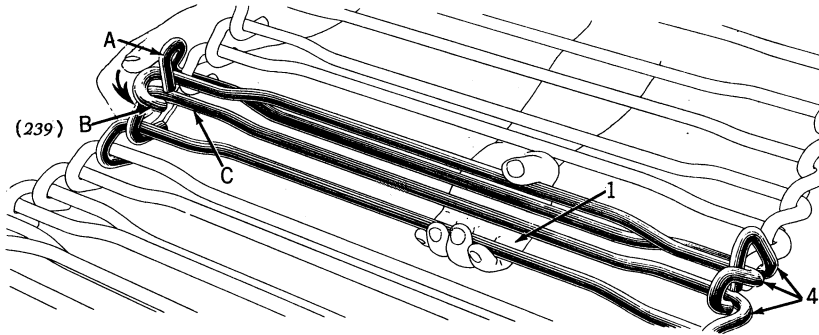


Figure 10

It is possible to connect the links at any place in the elevator, but it is best to work on bottom or return side of the elevator where there is the most slack. Turn all the agitators so that they lie flat to obtain more slack. Then:

1. (Figure 10) Grasp the two last links of one end of the elevator with the thumb of the **LEFT**-hand and the two last links of the other end of the elevator with the fingers of the **LEFT**-hand and draw the four links together.
2. (Figure 10) Place the links "A", "B", and "C" in the position shown.
3. (Figure 10) With the thumb of the **RIGHT**-hand turn link "B" over link "C" in the direction of the arrow which will automatically connect all three links.
4. (Figure 10) When links "A", "B", and "C" are connected, maintain the relative position of the links by holding same with the **RIGHT**-hand instead of the **LEFT**. Then proceed with the **LEFT**-hand to connect the other ends of the links at "4" following the same procedure as in steps 2 and 3 above.

Important: The elevator should be assembled by alternating with "up" and "down" links. Care should be taken that the ends of the links face **TOWARD** the shovel on the upper side of the elevator. This is to prevent the ends of the links catching on the shovel or other parts in its path of travel.

METHOD OF DISCONNECTING ELEVATOR

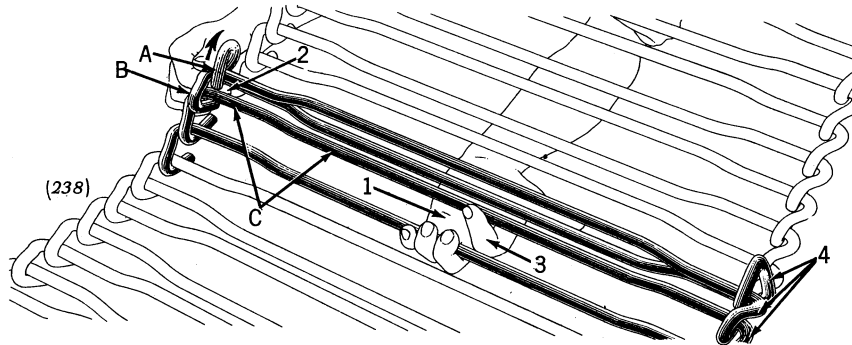


Figure 11

It is possible to disconnect the links at any place in the elevator, but it is best to work on the bottom or return side of the elevator where there is the most slack. Turn all the agitators so that they will lie flat. Then:

1. (Figure 11) Grasp four links with the **LEFT**-hand and draw them together to obtain all possible slack.
2. (Figure 11) With the forefinger of the **RIGHT**-hand push link "A" up and back in the direction of the arrow.
3. (Figure 11) Using the forefinger of the **LEFT**-hand push link "C" down and back between the openings in links at "A" and "B".
4. (Figure 11) When link "C" is disconnected, maintain the relative position of the links by holding the links with the **RIGHT**-hand instead of the **LEFT**-hand and then proceed with the **LEFT**-hand to disconnect the other ends of the links at "4", following the same procedure as in steps "2" and "3" above.

MASTER LINK FOR ROD ELEVATOR CHAIN

Master links are available to facilitate connecting and disconnecting rod elevator chain. The master link is straight, without any up or down offset, and is painted aluminum to easily identify it in the assembled chain. The chain should be connected or disconnected at the master link. If your digger is not equipped with the master link, use the method described above to connect or disconnect the elevator chain.

POWER CONTROL

Refer to your Operator's Manual on the Power Control for operation and maintenance of this unit.

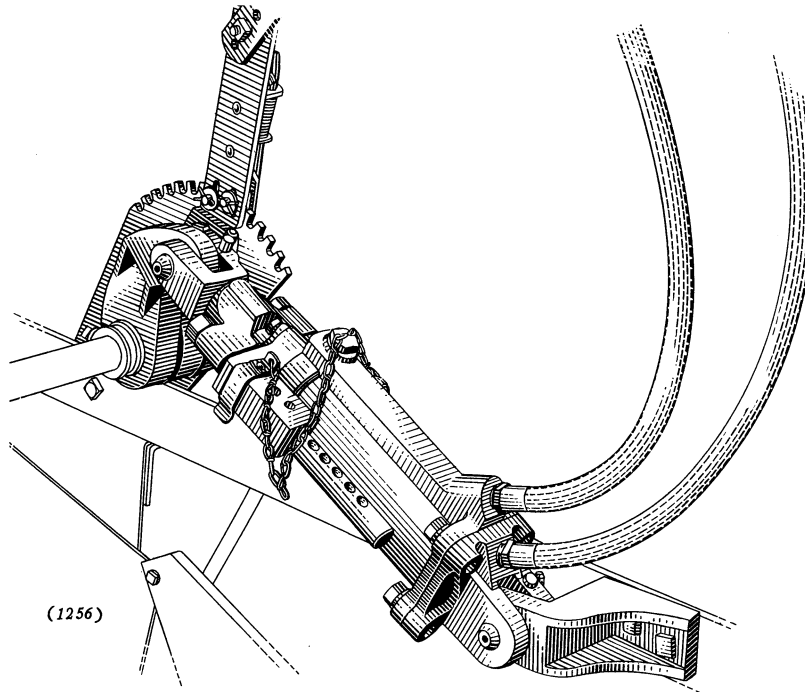


Figure 12

DEPTH OF SHOVEL

To change the depth of the shovel, remove the two stop pins and slide the cylinder stop toward the digger to **decrease** the depth and toward the tractor to increase the working depth of the **shovel**. Replace the stop pins.

IMPORTANT: BOTH OF THESE STOP PINS SHOULD ALWAYS BE IN PLACE IN THE CYLINDER, OTHERWISE THE CYLINDER ASSEMBLY MAY BE DAMAGED.

The hand depth lever does not have to be removed when the power control is used on the digger. Some operators find it advisable to use the hand lever together with the power control for finer depth adjustments of the shovel.

ROLLER ATTACHMENT

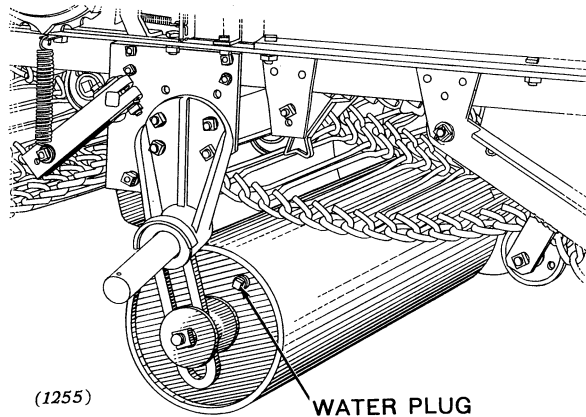


Figure 13

The roller attachment makes a firmly-packed surface for potatoes to fall on and prevents potatoes from rolling out into the wheel tracks.

It also speeds the "picking up" operation since all dug potatoes rest on the packed surface.

HITCHES

John Deere Diggers can be hitched to a wide variety of tractors and used with either caster wheel or caster roller truck. Set-up directions covering each hitch are found in a separate set of directions found in the hitch bundle as shipped.

BEFORE STARTING

1. Pour 1 pint of S.A.E. 160 oil into gear case and replace plug tightly.
2. Lubricate all Zerk fittings as shown on page 14.
3. Be sure all nuts are tight, chains connected, keys in place and cotters spread.
4. READ CAREFULLY "OPERATING INSTRUCTIONS", PAGES 2 to 13.
5. With the digger straight behind the tractor start power take-off and allow the digger to run for several minutes. Check bearings, universal joints and moving parts before starting to dig, to be sure they are assembled properly.
6. **Important:** Telescope drive shafts should be well greased to prevent pressure against the drive clutch. It is very important that the telescope drive shafts do not bottom on turns for the same reason.

LUBRICATION

Grease Zerk Fittings as Indicated, Every Ten Hours, Except as Noted for Wheels and Gear Case.

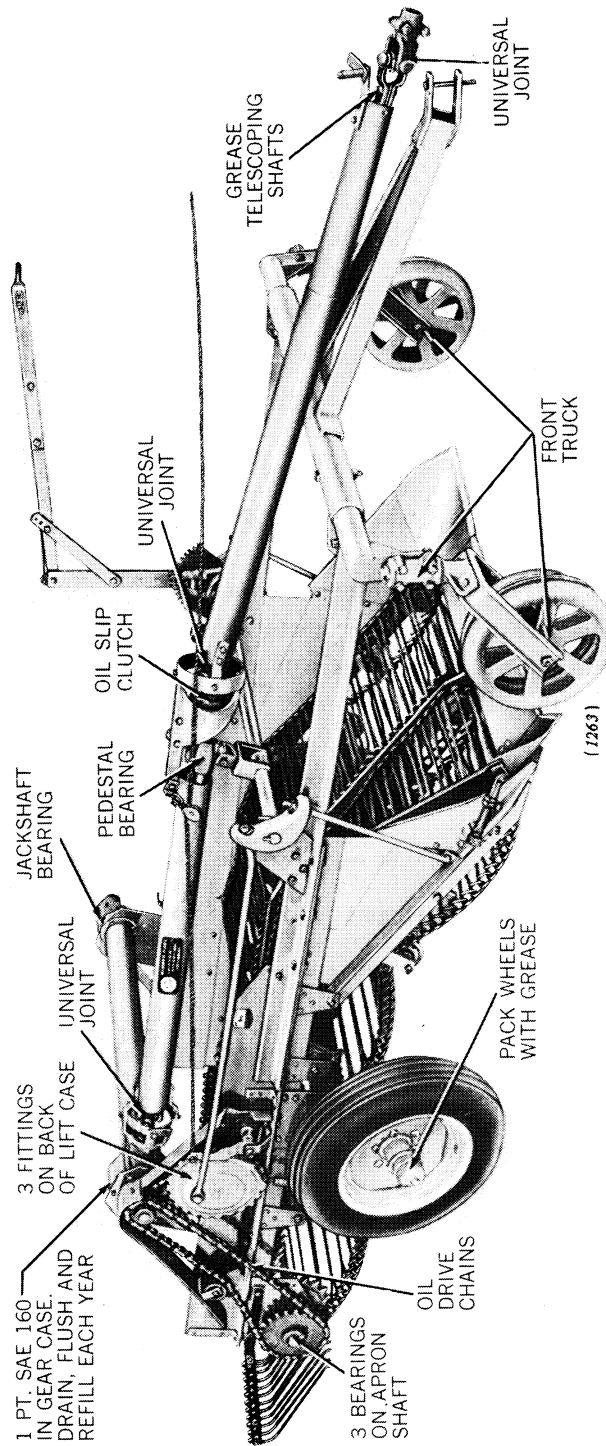


Figure 14—Lubrication Points

SETTING-UP INSTRUCTIONS

SHIPPING BUNDLES

- 1—235926 Frame on Wheels
- 1—Hitch Bundle (as ordered)
- 1—PD116 or PD116R Caster Wheel Truck
- or 1—PD117 or PD117R Caster Roller Truck
- 1—ALB167 Smoother Roller Attachment (Extra)
- 1—ALB172 Power Control Bundle (Extra)

These setting-up instructions cover the set-up of the Double Level-Bed Potato Diggers.

The following pages illustrate the proper order in which the parts are assembled. The darkened portions are those parts which are assembled or referred to in each stage of the assembly directions. The arrows in the illustrations are numbered to correspond to the paragraphs referring to them.

“Right” and “Left”, “Front” and “Rear” refer to the operator’s “Right” or “Left”, “Front” or “Rear” when facing in the same direction the machine will travel.

BEAMS, LEVER, AND FRONT TRUCK

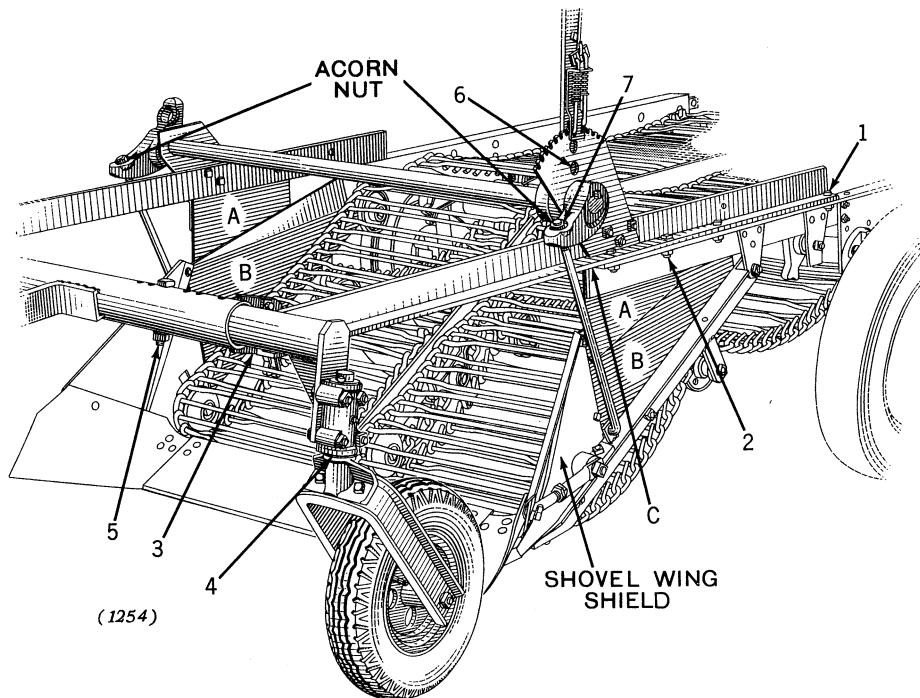


Figure 15

1. Slide beam assembly on digger frame to proper position and attach **LOOSELY** with the rear bolts.
2. Slide shields "A" between the frame and beam on each side of the digger. Be sure that shields "A" are outside of the lower shields "B". Insert the rest of the beam bolts and tighten all bolts.
3. Assemble the pipe truck frame to the ends of the digger beams.
4. Slide a washer on the truck shank, insert shank in casting, and fasten with the second washer and cotter pin on top of the bearing casting.
5. Slide the caster wheel assembly into the pipe frame and fasten in the proper hole in the pipe frame to match your row spacings. The truck wheels can be set in this manner for use with 30-inch to 36-inch spaced rows.
6. Slide the lever over the sector and attach to the lever foot casting. The two large holes in the sector permit the insertion of the plow bolts holding the lever. The long plow bolt is used in the bottom hole.
7. Insert the lift rods through the lift arm castings and adjust for shovel transport clearance as described on page 17.

SHOVEL TRANSPORT CLEARANCE

Place the lever in the rear notch of the sector and adjust the acorn nuts on the lift rods so that the shovel wing shield just misses hitting the underside of the angle frame at point "C" (Figure 15).

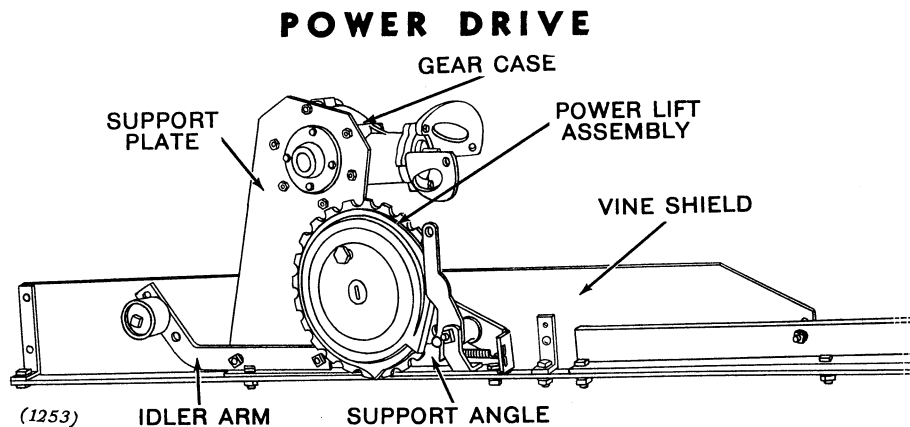


Figure 16

1. Attach vine shields leaving the nuts loose until after the power drive is assembled.
2. Bolt power lift assembly with support angle to the R. H. frame.
3. Slide support plate with gear case between the support angle and vine shield, insert bolts, and mount idler arm on the outside of the support angle as shown. **Leave bolts loose.**

SPROCKETS, DRIVE CHAINS AND GUARDS

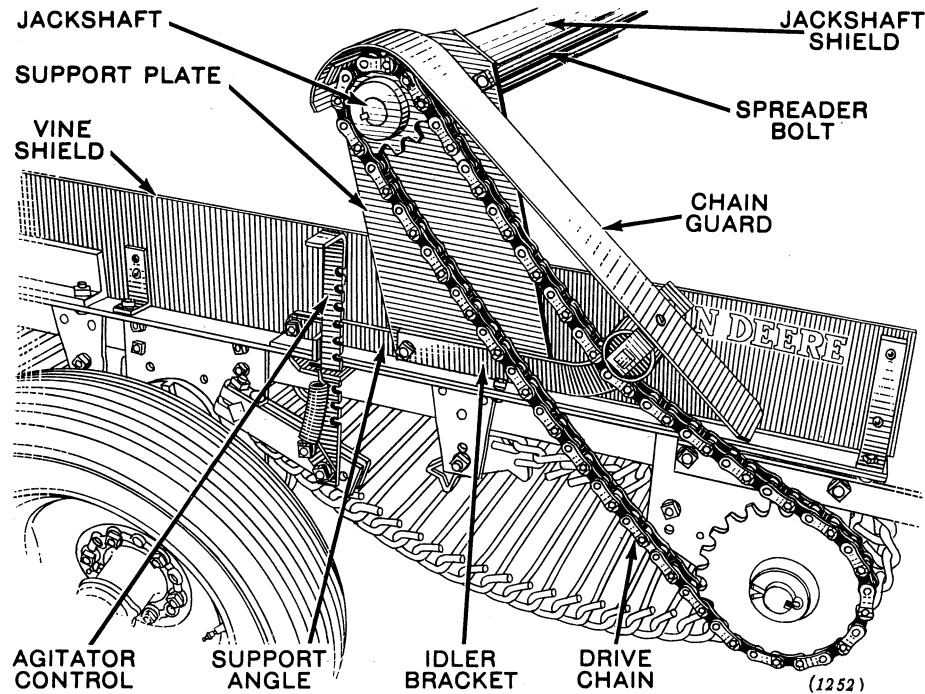


Figure 17

1. Attach L. H. vine shield loosely to the frame.
2. Bolt support angle with agitator control to the frame.
3. Fasten L. H. support plate in the rear holes of the support angle between vine shield and support angle. Bolt heads should be to the inside. **LEAVE BOLTS LOOSE.**
4. Remove the two drive sprockets from the R. H. end of jackshaft, slide jackshaft through the L. H. bearing, through the jackshaft shield and then through the gear case.
5. Spring the jackshaft shield over the bearing housing and gear case shoulder.
6. Install the chain idler bracket with the idler bolt nut to the **IN-SIDE.**
7. Install the spreader bolt and then **TIGHTEN ALL BOLTS.**
8. Attach drive chain with cottered side out. **SAVE REMOVED LINKS** (see page 6).
9. Attach drive chain guard to support plate and idler bolt.

SPROCKETS, DRIVE CHAINS AND GUARDS—(Continued)

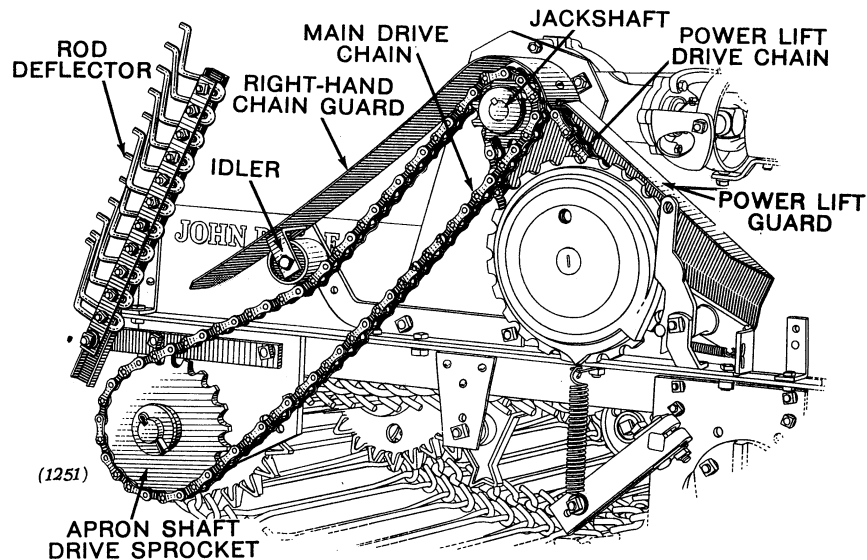


Figure 18

1. Align jackshaft keyway and insert long 5/16" x 1/4" key entirely in gear case. Place 5/16" square key in place and install B402 F sprocket (next to gear case), and then E1036 F sprocket. Tighten the set screw in spot on the key and wire the set screw in place.

2. Attach power lift drive chain around the lift and drive sprockets with **THE COTTERED SIDE NEXT TO THE LIFT SUPPORT PLATES. THIS IS IMPORTANT.**

3. Attach main drive chains with the cotteder side out.

Note: Surplus links should be taken out and carefully **SAVED** (see page 6).

4. Attach right chain guard hooking power lift guard in the slotted end of the chain guard. Adjust idler in proper hole to take up slack in the drive chain.

5. Attach rod deflectors as shown.

POWER DRIVE AND LIFT

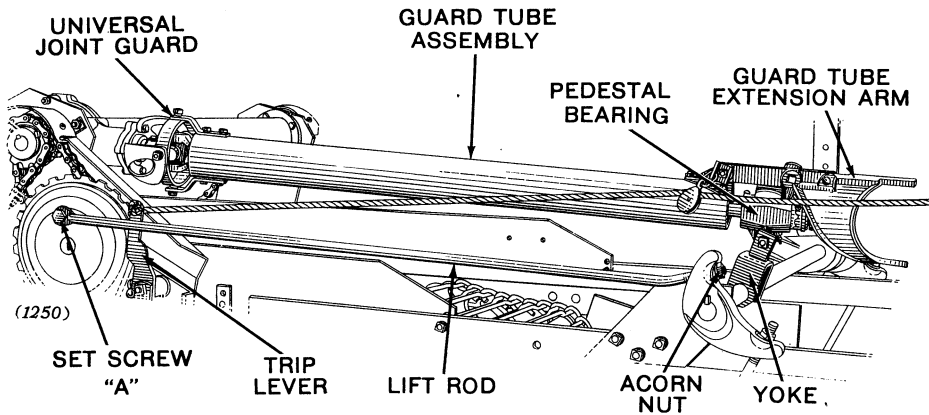


Figure 19

1. Attach pedestal bearing to the yoke on the lifting shaft.
2. Slide drive shaft assembly through the pedestal bearing.
3. Slide guard tube assembly over the drive shaft.
4. Fasten drive shaft into the universal joint at gear case using the set screw and key (found in bag).

NOTE: Set screws on universal joints should be locked with a wire through the heads.

5. Attach guard tube to universal joint guard on the gear case.
6. Attach guard tube support to extension arms on guard tube assembly and pedestal bearing.

Note: Pipe bushings go in each side of guard tube extension arms.

7. Pedestal bearing may be set at a position on the lifting shaft so that the power shaft will be in nearly a straight line from the gear case to the tractor. Refer to Figure 9, page 9. **TIGHTEN ALL BOLTS.**

8. Connect lift rod.

CAUTION: Depth lever should be in transporting notch of sector and the lift in its maximum raised position before adjusting acorn nut on lift rod.

NOTE: Set screw "A" has left-hand thread.

9. Fasten the trip rope to the trip lever and through the pulley on the power shaft guard tube.

SHOVELS

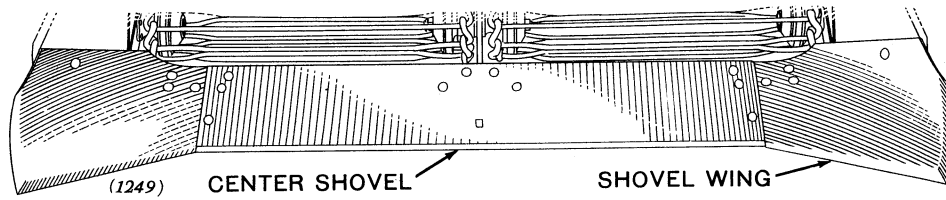


Figure 20

1. Remove varnish from the shovel and wings; mark the boltheads with chalk or pencil so the bolts can be replaced in the same holes to maintain the smooth polished surface.
2. Attach long center shovel.
3. Attach shovel wings.

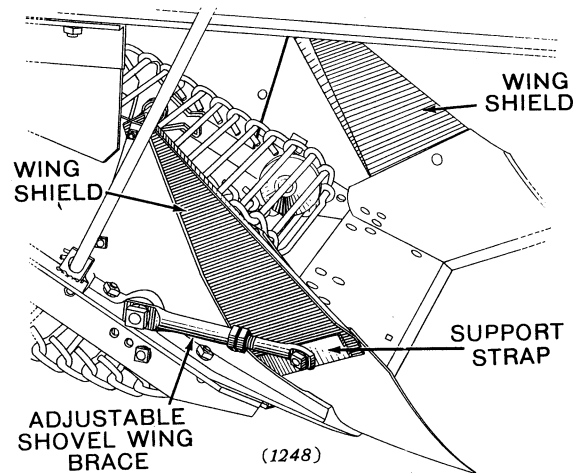


Figure 21

1. Attach wing shields between the shovel wings and the support strap and attach the front end of the adjustable shovel wing brace as indicated.
2. Extend shovel wing braces until the shovel wings and the center shovel touch. Tighten all bolts and lock the jam nuts on the adjustable shovel wing brace.

NOTE: Shovel bolts should be tightened again after the machine has been used a short time to insure a tight fit of the shovel bolts.

POWER CONTROL

Note: Diggers ordered for use with Power Control will not be equipped with the mechanical power lift.

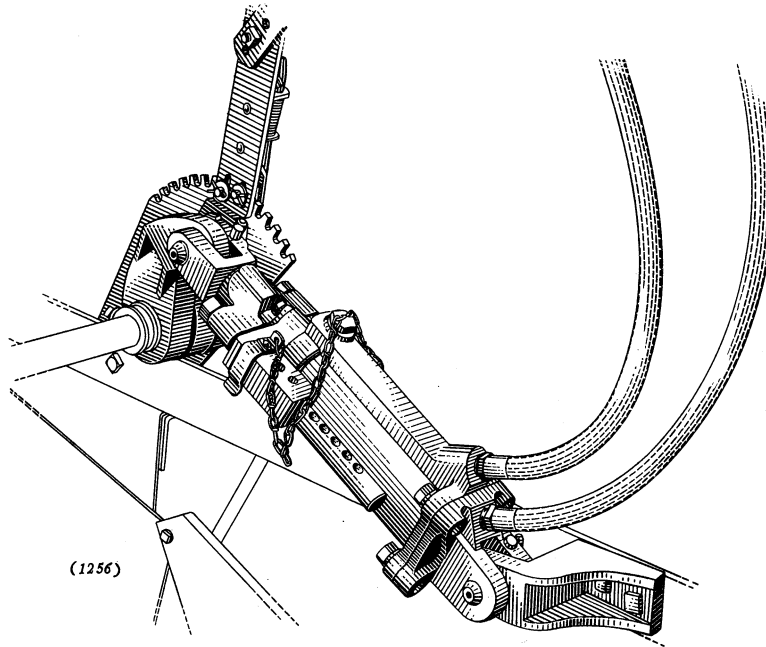


Figure 22

1. (Figure 22) Mount cylinder bracket on left-hand beam angle.
2. (Figure 22) Set hand lever in the transporting notch of the sector, loosening adjusting nuts, if necessary, to just keep the vine shields from contacting the frame at "C" (Figure 15), page 16.
3. (Figure 22) Attach power cylinder as shown.
4. (Figure 22) Attach extension hose, received with the digger, using the necessary couplings. The reducing couplings are for use on the Model "GM" Tractor only.
5. (Figure 22) After the digger is attached to the tractor, connect the power control hose to the tractor.

IMPORTANT:

Top inlet hose of the cylinder must be attached to the **top** outlet of the power control chamber on the tractor. The **bottom** inlet hose of the cylinder must be attached to the **bottom** outlet of the power control chamber on the tractor.

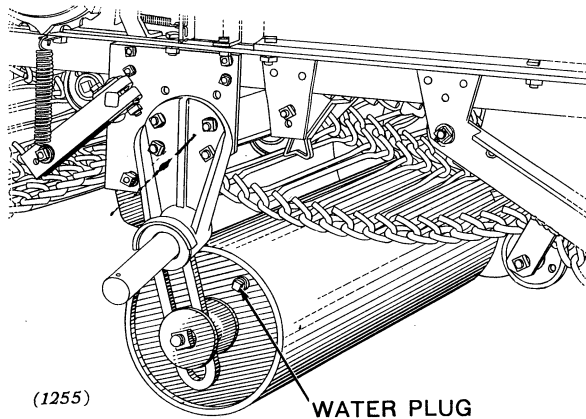
Be sure that both stop pins are in place before operating the power control, otherwise the cylinder assembly may be damaged. The series of holes for the stop pins gives a wide range of digging depths of the shovel. (see page 12.)

Important: Due to the tremendous power of the hydraulic cylinder, great care must be used when first operating the cylinder to be sure that there is no binding of lift parts, otherwise breakage may occur. Carefully raise the shovel with the power control, continually checking to be sure that there is no binding of any lift parts.

TRANSPORTING CLEARANCE WITH POWER CONTROL

Raise the shovel to the transporting position, as outlined above, and **KEEP THE POWER CONTROL IN THIS POSITION.** Adjust the nuts so that the vine guards just miss the frame of the digger at "C" (Figure 15), page 16.

ROLLER ATTACHMENT



Attach land roller, tighten nut and spread cotter.

If more weight is desired the roller may be filled with water at the water plug.

Figure 23

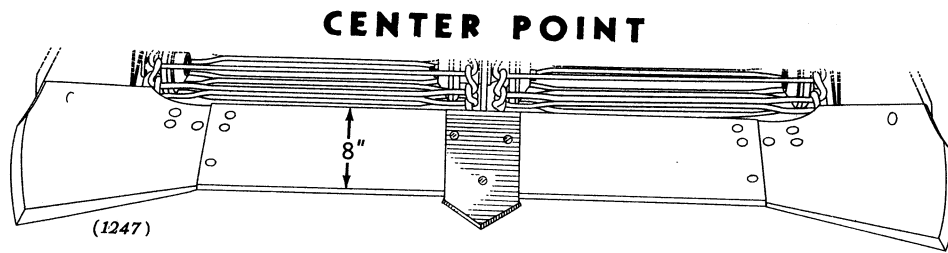


Figure 24

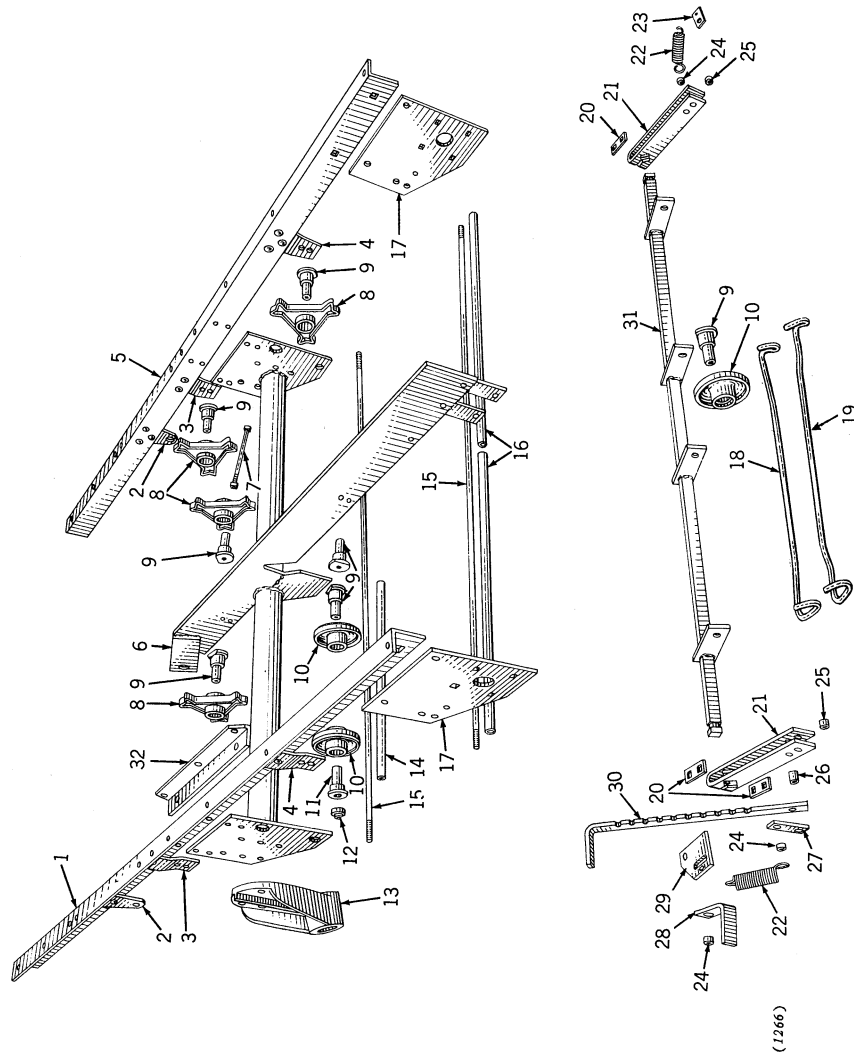
Occasionally it is desirable to clean out the center alley between high ridged rows.

A center point is available as an attachment and is fastened to the main shovel as shown in Figure 24.

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Power Control	51

MAIN FRAME

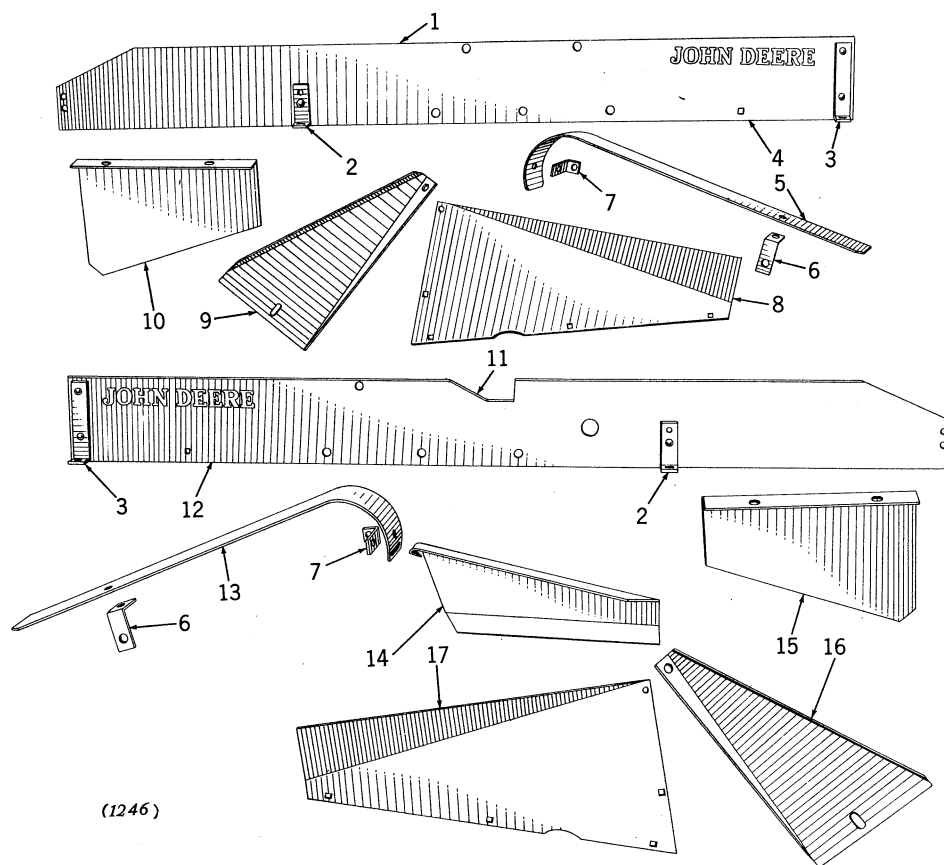


MAIN FRAME—Continued

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	LB 171 F	Left Side Main Frame	15	LB 225 F	Spreader Rod, 1/2", 55-1/4" Long (2 used)
	ALB 147 F	Left Side Main Frame Riveted (LB30F, LB102F, LB109F, LB171F)	16	LB 228 F	Spacer or Spreader for Frame, 1/2" Pipe, 26-1/2" Long (2 used)
2	LB 102 F	Support for Front Section (2 used)	17	LB 188 F	Elevator Shaft Hanger (2 used)
3	LB 30 F	Front Agitator Bracket (2 used)	18	Z 765 F	7/16" Rod Elevator Link, 25" Long, Projecting Down (130 Used)
4	LB 109 F	Rear Agitator Bracket (2 used)	19	Z 764 F	7/16" Rod Elevator Link, 25" Long, Projecting Up (128 used)
5	LB 172 F	Right Side Main Frame		ALB 25 F	Rod Elevator, 7/16" Links (64 Z764F, 65 Z765F) (2 used)
	ALB 148 F	Right Side Main Frame Riveted (LB30F, LB102F, LB109F, LB172F)	20	S 520 F	Idle Shaft Arm Clamp Washer (4 used)
6	ALB 140 F	Frame Center Piece Welded	21	S 513 F	Idle Shaft Arm (2 used)
7	LB 241 F	1/2" x 7-3/4" ASME1035 Cut Thread Machine Bolt Drilled for Cotter (2 used)	22	LB 216 F	Idle Shaft Tension Spring (2 used)
8	B 400 F	Agitator for Rod Elevator (8 used)	23	LB 217 F	Idle Shaft Tension Spring Clip
9	B 136A F	Chilled Iron Bearing for B366F and B400F (14 used)	24	Z 315 F	Idle Shaft Tension Spring and Control Bar Lock Bushing, 3/8" Pipe, 5/16" Long (3 used)
	ALB 150 F	Agitator Assembly (B136A F, B400F, 1/2" x 4-1/4" Machine Bolt) (4 used)	25	Z 56 F	Idle Shaft Arm Spacer (2 used)
	ALB 151 F	Double Agitator Assembly (2 B136A F, 2 B400F, LB241F) (2 used)	26	R 388 F	Control Bar and Spring Attaching Strap Bushing, 3/8" Pipe, 11/16" Long
10	B 366 F	Idle or Roller (8 used)	27	LB 215 F	Idle Shaft Tension Spring Attaching Strap on Left Side
	ALB 138 F	Idle Assembly (B136A F, B366F, 1/2" x 4-1/2" ASME1035 Machine Bolt) (4 used)	28	LB 265 F	Control Bar Lock
11	B 401 F	Short Chilled Iron Bearing (2 used)	29	LB 213 F	Control Bar Latch Plate
12	LB 117 F	Bushing for Smoothing Roller Bracket (2 used)	30	LB 214 F	Idle Shaft Arm Control Bar
13	B 392 F	Axle Casting (2 used)	31	ALB 141 F	Idle Shaft Welded
14	Z 762 F	Spacer for Idlers, 1/2" Pipe, 19-7/8" Long (2 used)	32	E 1083 F	Jackshaft Bearing Plate and Control Bar Lock Angle

Note: One piece used in this grouping unless otherwise noted.

GUARDS AND SHIELDS



GUARDS AND SHIELDS—Continued

Ref. No.	Part No.	Description
1	ALB 159 F	Left Vine Fender (LB41F, LB45F, LB46F)
2	LB 45 F	Front Fender Clip (2 used)
3	LB 46 F	Rear Fender Clip (2 used)
4	LB 41 F	Vine Fender only
5	LB 192 F	Drive Chain Guard only
6	LB 194 F	Lower Bracket (2 used)
7	LB 193 F	Upper Bracket (2 used)
	ALB 131 F	Drive Chain Guard Assembly on Left Side (LB192F, LB193F, LB194F)
8	LB 185 F	Left Lower Shield
9	LB 221 F	Left Wing Shield
10	LB 183 F	Left Upper Vine Shield
11	ALB 160 F	Right Vine Fender (LB45F, LB46F, LB148F)
12	LB 148 F	Vine Fender only
13	LB 244 F	Right Drive Chain Guard only
	ALB 157 F	Drive Chain Guard Assembly on Right Side (LB193F, LB194F, LB244F)
14	LB 197 F	Power Lift Drive Chain Guard
15	LB 184 F	Right Upper Vine Shield
16	LB 222 F	Right Wing Shield
17	LB 186 F	Right Lower Shield

Note: One piece used in this grouping unless otherwise noted.

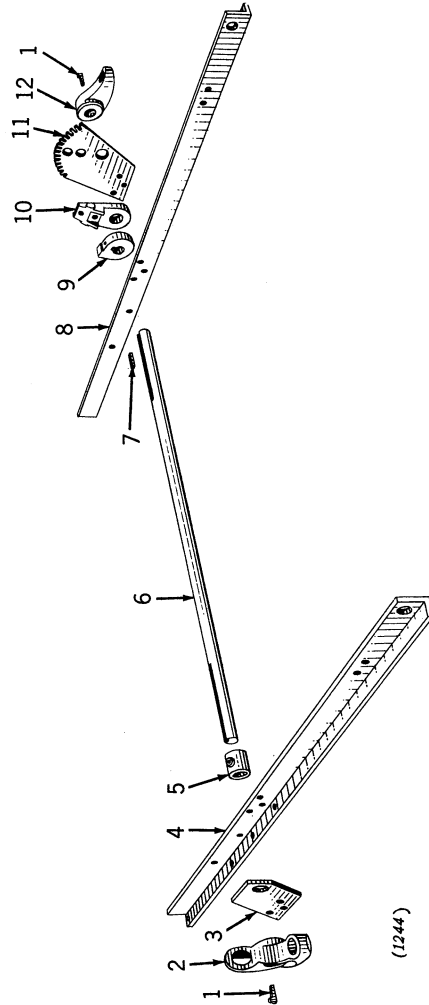
This technical drawing is an exploded view of a mechanical assembly, likely a portable electronic device. The components are numbered 1 through 24. The main body consists of a front panel (1) and a back panel (17). The front panel features a display area (15) and a control area (16). The back panel has a handle (23) and a latch (24). The assembly is held together by various screws (3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 20, 21) and washers (2). A central component (11) is mounted on the front panel. A hinge (18) connects the front panel to the back panel. A small component (22) is located near the hinge. A screw (25) is shown at the bottom right.

FRONT SECTION—Continued

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	ALB 139 F	Front Section Welded	12	LB 240 F	1/2" x 6-3/4" ASME1035 Cut Thread Machine Bolt Drilled for Cotter
2	LB 117 F	Front Section Bushing (2 used)	13	B 411 F	Roller at Rear of Shovel (4 used)
3	B 136A F	Chilled Iron Bearing for B366F and B400F (10 used)	14	(B 390 F	Bearing for Roller (4 used)
4	B 366 F	Idle or Roller (8 used)		ALB 175 F	Roller Assembly at Rear of Shovel (B390F, B411F, 1/2" x 4" ASME1035 Machine Bolt) (2 used)
5	LB 120 F	1/2" x 4-3/4" Machine Bolt Drilled for Cotter (2 used)		ALB 184 F	Double Roller Assembly at Rear of Shovel (2 B390F, 2 B411F, LB240F)
6	ALB 121 F	Roller Assembly at Rear of Front Section (B136A F, B366F, LB117F, LB120F) (2 used)	15	B 394 F	Right Nose Iron
7	B 401 F	Short Chilled Iron Bearing for B366F (2 used)	16	(ALB 162 F	Right Shovel Wing with Bolts
8	LB 223 F	Double Front Section Bushing		ALB 182 F	Right Long Shovel Wing with Bolts
	LB 241 F	1/2" x 7-3/4" ASME1035 Cut Thread Machine Bolt Drilled for Cotter (2 used)	17	ALB 158 F	Straight Shovel Wing with Bolts
	ALB 153 F	Double Roller Assembly at Rear of Front Section (2 B366F, 2 B401F, LB223F, LB241F)	18	(ALB 161 F	Left Shovel Wing with Bolts
9	LB 224 F	Spreader Rod for Return Idlers, 1/2", 54-1/4" Long		LB 227 F	Shovel Wing Shield Clamp (2 used)
10	LB 243 F	Spreader or Spacer for Return Idlers, 1/2" Pipe, 19-3/8" Long (2 used)	20	LB 226 F	Shovel Wing Brace Bolt (2 used)
	B 400 F	Agitator for Elevator Chain (4 used)	21	LB 229 F	Shovel Wing Brace Pipe (2 used)
11	ALB 150 F	Agitator Assembly (B136A F, B400F, 1/2" x 4-1/2" Machine Bolt) (2 used)	22	B 393 F	Left Nose Iron
	ALB 151 F	Double Agitator Assembly (2 B136A F, 2 B400F, LB241F)	23	LB 170 F	Lift Rod (2 used)
			24	B 346 F	Lift Rod Adjusting Nut (2 used)

Note: One piece used in this grouping unless otherwise noted.

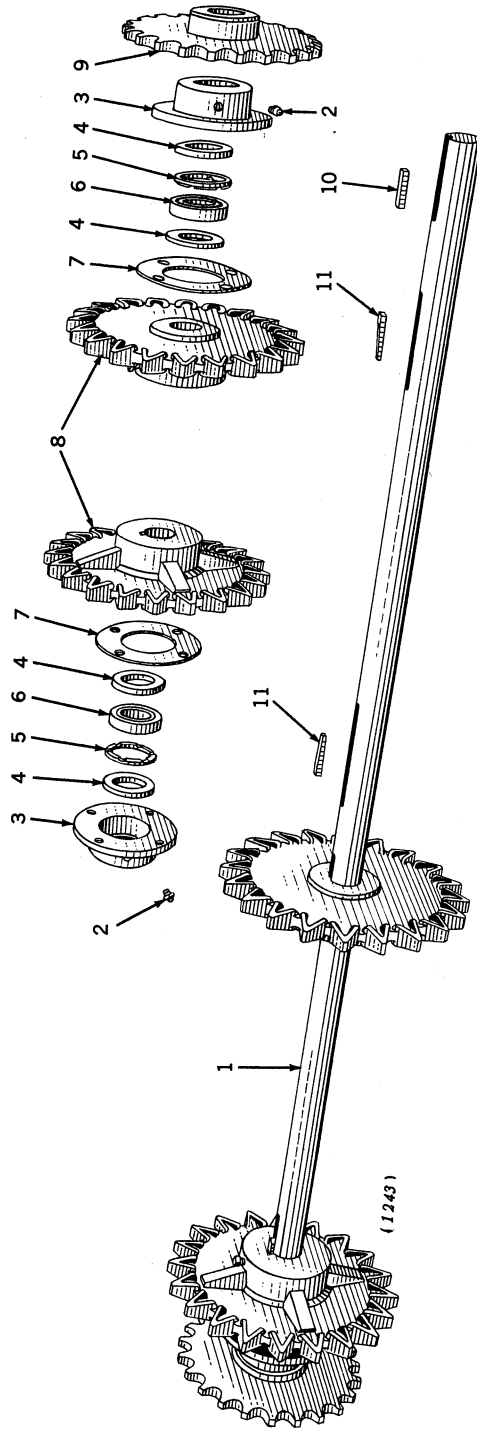
BEAMS



Ref. No.	Part No.	Description
1	98 K F	Shaft Key with Head (2 used)
2	396 F	Double End Lift Arm
3	245 F	Lift Shaft Plate
4	210 F	Right Beam Angle
5	405 F	Spacing Collar for Pedestal Bearing Yoke
6	220 F	Lift Shaft, 1-1/2", 58-3/4" Long
7	49 F	Shaft Key, 5/16", 1-3/4" Long, not Tapered
8	209 F	Lift Beam Angle
9	398 F	Lift Shaft Dog
10	397 F	Lever Foot
11	246 F	Lever Sector Plate
12	395 F	Single End Lift Arm

Note: One piece used in this grouping unless otherwise noted.

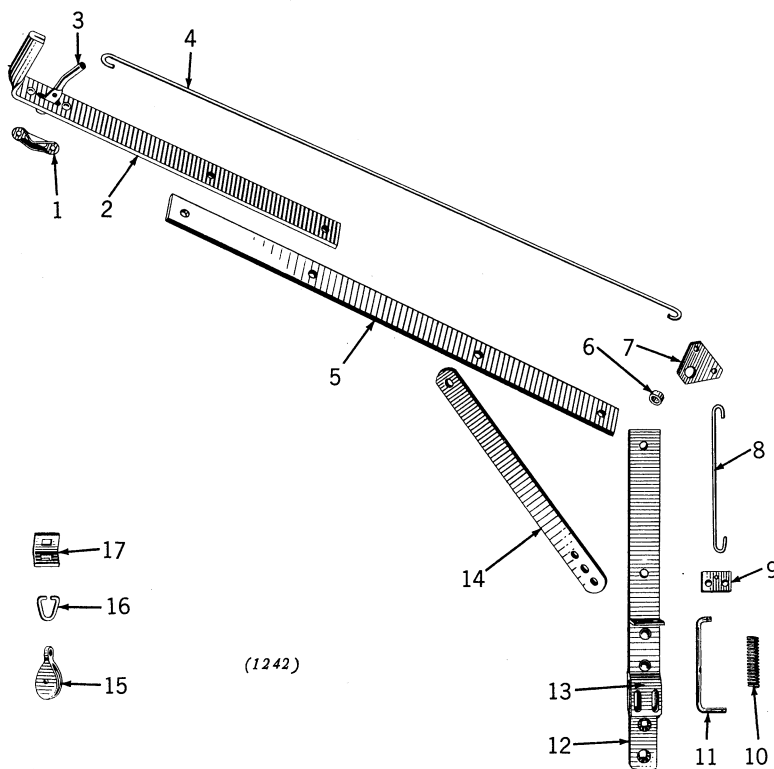
ELEVATOR SHAFT



Ref. No.	Part No.	Description
1	LB 219 F	Elevator Shaft, 1-1/2", 61-3/4" Long
2	JD 7759	1/8" P. T. Straight Zerk Fitting (Alemite No. 1610) (3 used)
3	B 376 F	Ball Bearing Housing (3 used)
4	LB 182 F	Felt Washer in Housing (6 used)
5	B 278 F	Ball Bearing Spacer (3 used)
6	LB 181 F	Elevator Shaft Ball Bearing (Schatz No. CS-644) (3 used)
7	LB 39 F	Ball Bearing Housing Gasket (3 used)
8	B 383 F	Elevator Sprocket (4 used)
9	E 1037 F	18-Tooth Elevator Drive Sprocket
	E 1038 F	22-Tooth Elevator Drive Sprocket (2 used)
	E 1039 F	26-Tooth Elevator Drive Sprocket
	E 1045 F	29-Tooth Elevator Drive Sprocket
	E 1046 F	33-Tooth Elevator Drive Sprocket
10	Z 98L F	Shaft Key, 5/16", 1-1/2" Long, not Tapered (2 used)
11	Z 98M F	Shaft Key, 5/16", 2" Long, Tapered (4 used)
...	ALB 129 F	Left Bearing, Complete (B278F, B376F, JD7759, LB39F, LB181F, 2 LB182F, LB188F)
...	ALB 130 F	Right Bearing, Complete (B278F, B376F, JD7759, LB39F, LB181F, 2 LB182F, LB188F)
...	ALB 149 F	Center Bearing, Complete (B278F, B376F, JD7759, LB39F, LB181F, 2 LB182F)

Note: One piece used in this grouping unless otherwise noted.

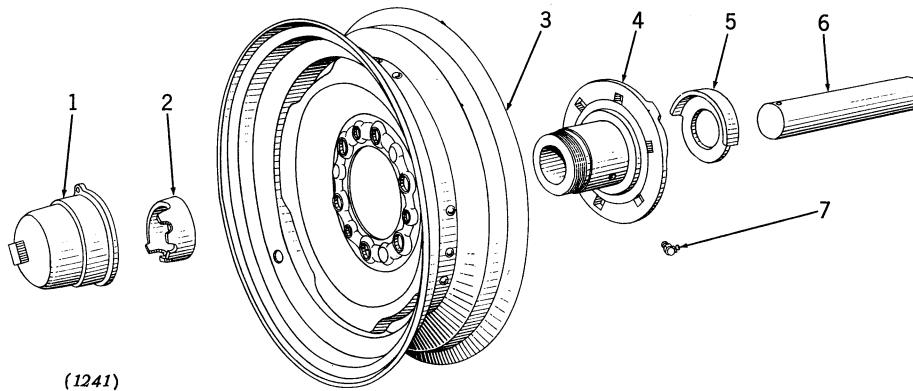
LEVER AND TRIP ROPE PULLEY



Ref. No.	Part No.	Description
1	16117 A	Trigger Box
2	ALB 63 F	Lever End with Hand Grip
3	S 409 F	Hand Grip
4	LB 260 F	Long Pull Rod
5	LB 259 F	Lever Extension
6	Z 109 F	Bell Crank Bushing, 3/8" Pipe, 1/4" Long
7	LB 57 F	Bell Crank
8	LB 124 F	Short Pull Rod
9	LB 125 F	Lever Pawl Link
10	1293 A	Coil Spring (2 used)
11	LB 123 F	Lever Pawl (2 used)
12	LB 121 F	Lever Foot End
	ALB 67 F	Lever Foot End with Pawl Case
13	LB 122 F	Pawl Case
14	LB 56 F	Brace
	ALB 68 F	Lever Foot with Pawls (ALB67F, 2 LB123F, LB125F, 2 1293A)
	ALB 179 F	Long Double Pawl Lever, Complete
15	P 38	Trip Rope Pulley
16	AZ 3 F	Cold Shut Link
17	E 952 F	Angle Bracket
	E 1106 F	Trip Rope Pulley with Bracket

Note: One piece used in this grouping unless otherwise noted.

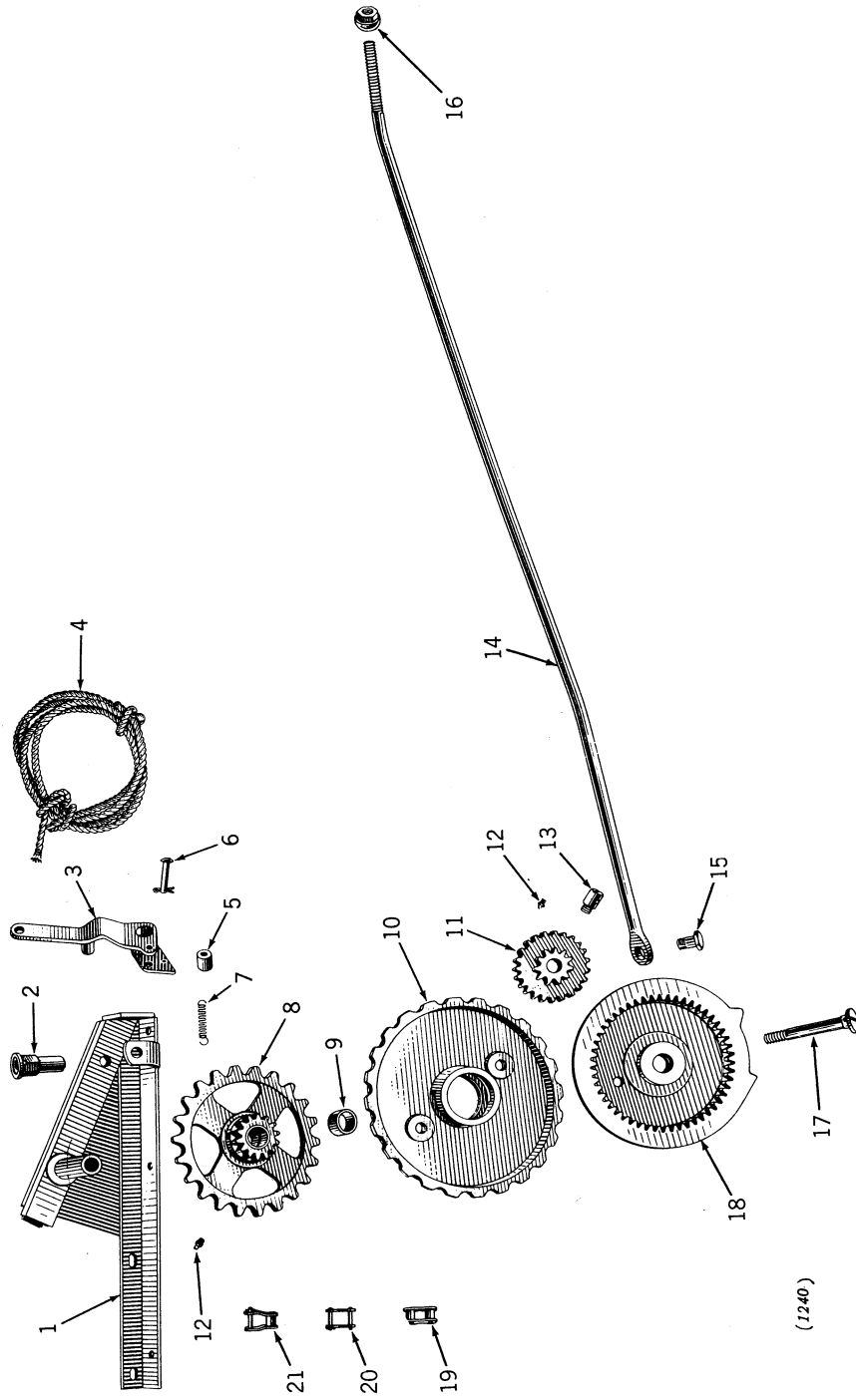
WHEELS AND AXLES



Ref. No.	Part No.	Description
1	JD 2139 D	Wheel Cap
2	1565 SC	Adjustable Collar
3	JD 638 E	16 x 4.50E Steel Wheel with Drop Center Rim
4	B 350 F	Wheel Box
5	B 399 F	Sand Collar
6	LB 218 F	Stub Axle, 2", 11" Long
7	JD 7760	1/8" P. T. Elbow Zerk Fitting (Alemite No. 1612)

Note: One piece used in this grouping unless otherwise noted.

POWER LIFT



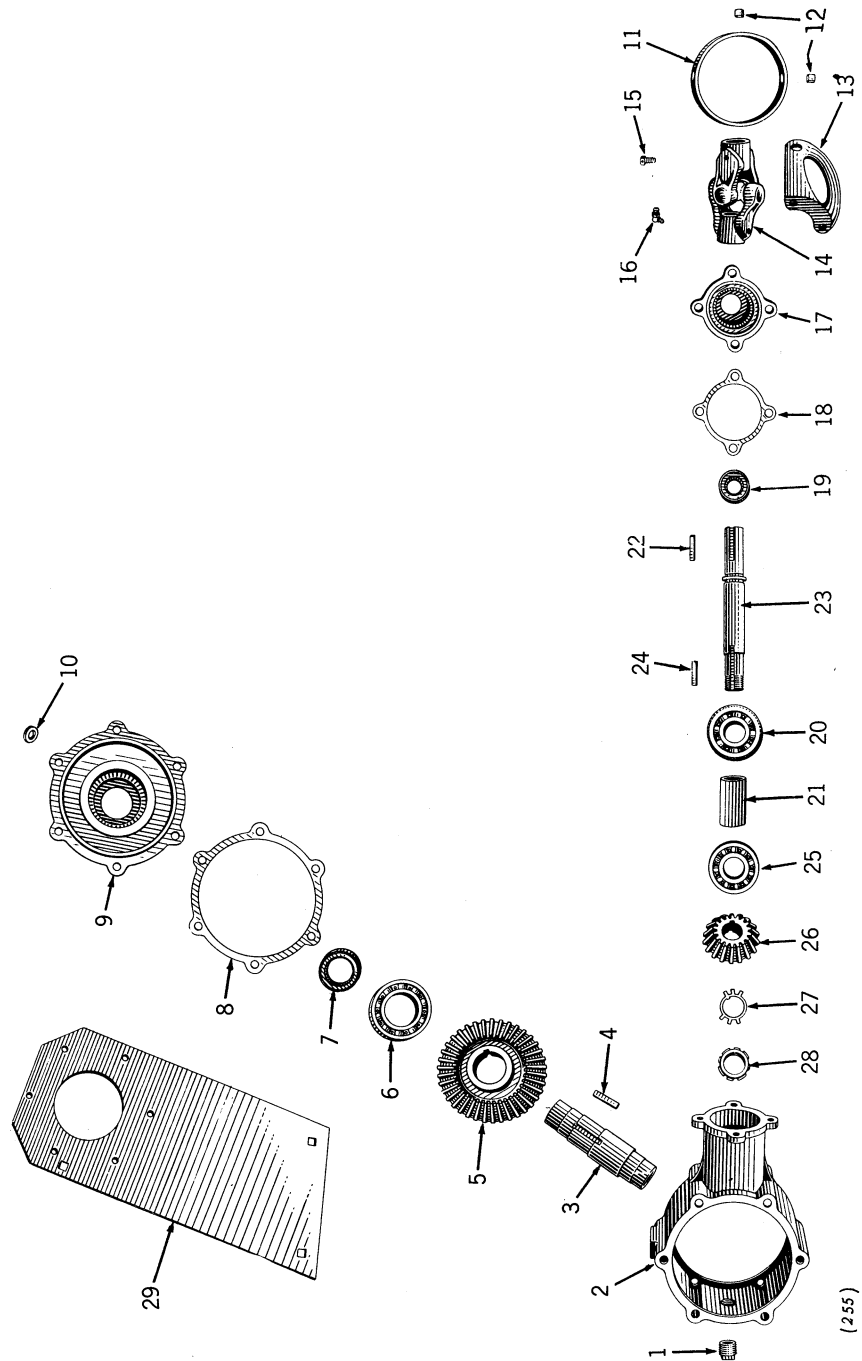
(1240)

POWER LIFT—Continued

Ref. No.	Part No.	Description
1	ALB 79 F	Power Lift Support Plate Assembly
2	B 344 F	Trip Lever Spindle
3	B 343 F	Trip Lever
4	LB 247 F	3/8" Sisal Trip Rope, 13' Long
5	LB 146 F	Trip Lever Roller, 7/8", 29/32" Long
6	LB 154 F	Pin for Trip Lever Roller, 3/8" x 2", with Cotter
7	CJ 74 F	Trip Lever Spring
8	(ALB 77 F	Sun Gear with Bushings (B339F, 2 LB138F)
	B 339 F	Order ALB77F
9	LB 138 F	Bronze Bushing in ALB77F (2 used)
10	B 341 F	Planet Gear Housing
11	B 340 F	Planet Gear (2 used)
12	JD 7759	1/8" Straight Zerk Fitting (Alemite No. 1610) (3 used)
13	(LB 142 F	Planet Gear Bearing (2 used)
	ALB 78 F	Planet Gear and Housing Assembly (B341F, 2 B340F, 2 LB142F, 2 JD7759)
14	LB 144 F	Long Lift Rod
15	LB 161 F	Power Lift Crank Screw
16	B 346 F	Lift Rod Adjusting Nut
17	LB 140 F	Power Lift Bearing Bolt
18	B 355 F	Internal Gear Plate
19	E 1091 F	Roller Link for No. SS125 Roller Chain
20	E 1090 F	Plain Coupler Link for No. SS125 Roller Chain
21	(E 1092 F	Offset Coupler Link for No. SS125 Roller Chain
	LB 153 F	Power Lift Drive Chain, 41-1/4" Long, (31 Riveted, 1 Plain Coupler, and 1 Offset Coupler Links) No. SS125 Roller Chain

Note: One piece used in this grouping unless otherwise noted.

GEAR CASE

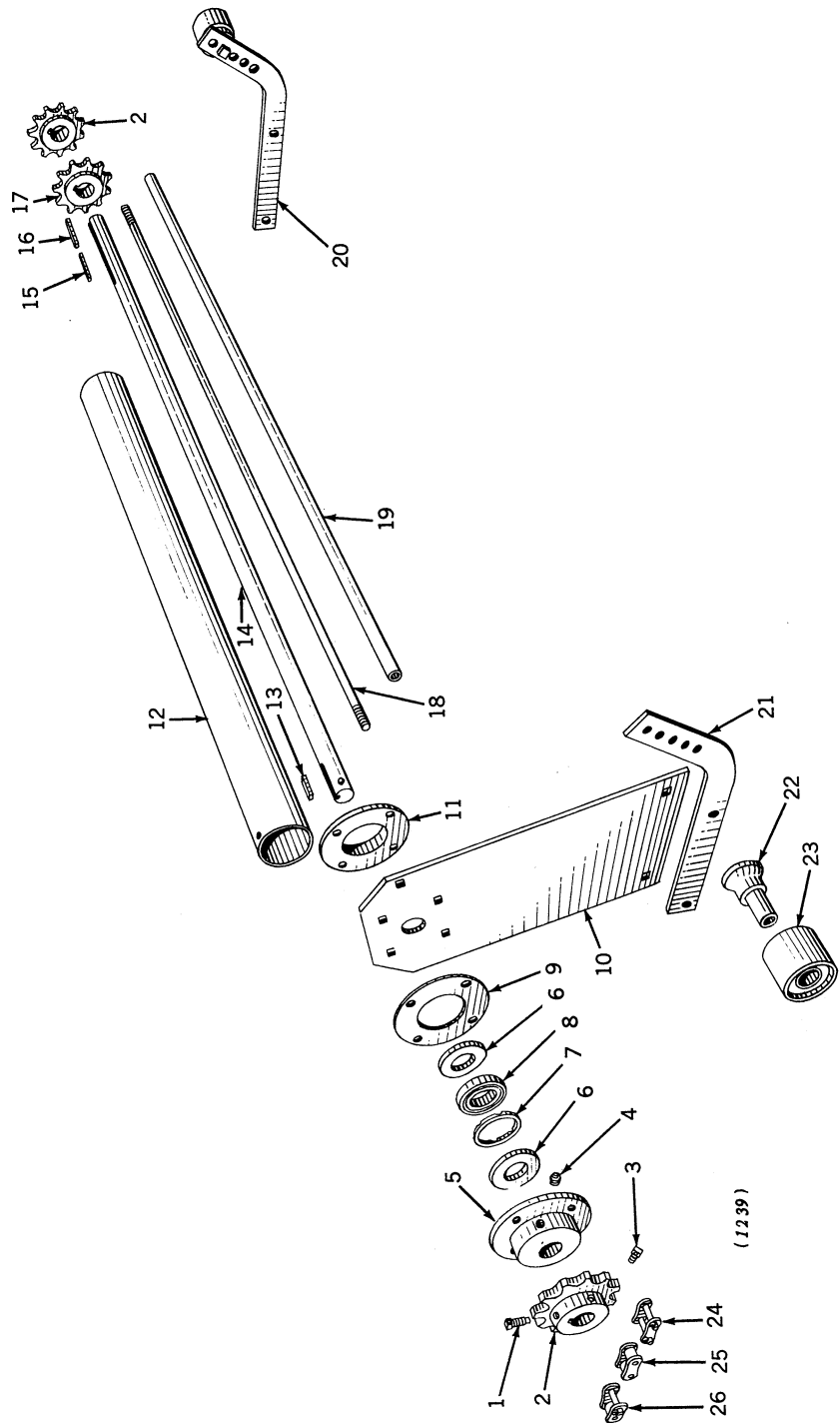


GEAR CASE—Continued

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	E 819 F	Gear Case Plug (3/4" Std. Pipe Plug)	17	E 1014 F	Gear Case Front Plate
2	E 1013 F	Gear Case	18	E 1118 F	Front Plate Gasket
3	E 1116 F	Jackshaft Sleeve	19	E 1121 F	Front Oil Seal
4	Z 98L F	Shaft Key, 5/16", 1-1/2" Long, Not Tapered		E 1111 F	Gear Case Front Plate Assembly (E1014F, E1121F)
5	E 1114 F	38-Tooth Bevel Gear	20	JD 7693 F	Pinion Shaft Front Ball Bearing (New Departure No. 43306)
	E 1110 F	Jackshaft Sleeve Assembly (E1114F, E1116F, Z98L F)		E 1117 F	Pinion Shaft Ball Bearing Spacer
6	JD 7692 F	Jackshaft Sleeve Ball Bearing (New Departure No. 3209) (2 used)	21	E 1117 F	Pinion Shaft Ball Bearing Spacer
7	E 1122 F	Side Oil Seal (2 used)	22	Z 98B F	Shaft Key, 1/4", 1-1/2" Long, Not Tapered
8	E 1119 F	Side Plate Gasket (3 used)	23	E 1115 F	Pinion Shaft
9	E 1015 F	Gear Case Side Plate (2 used)	24	E 1120 F	Pinion Key, 1/4", 1-1/4" Long, Not Tapered
	E 1112 F	Gear Case Side Plate Assembly (E1015F, E1122F, JD7692F) (2 used)	25	JD 7665 R	Pinion Shaft Rear Ball Bearing (New Departure No. 1306)
10	E 1187 F	1/8" x 3/8" Felt Washer (6 used)		E 1109 F	Pinion Shaft Assembly (E1115F, E1117F, JD7665R, JD7693F)
11	E 728 F	Universal Joint Guard Ring	26	E 1113 F	18-Tooth Bevel Pinion
12	Z 262A F	Guard Tube Bushing, 3/8" Pipe, 9/16" Long (4 used)	27	E 1124 F	Lock Washer for Pinion Lock Nut (SAE No. W06)
13	E 1017 F	Universal Joint Guard Bracket (2 used)		E 1123 F	Pinion Lock Nut (SAE No. N06)
14	E 1154 F	Universal Joint at Front of Gear Case	28	E 1123 F	Pinion Lock Nut (SAE No. N06)
15	E 640 F	3/8" x 5/8" Low Head Cup Point Set Screw with Drilled Head (2 used)	29	E 1176 F	Gear Case Support Plate
				E 1180 F	Gear Case, Complete with Ball Bearings, Gears and Support Plate
16	JD 7760	1/8" Angle Zerk Fitting (Alemite No. 1612)			

Note: One piece used in this grouping unless otherwise noted.

STANDARD AND JACKSHAFT



STANDARD AND JACKSHAFT—Continued

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	E 305 F	7/16" x 1" Special Dog Point Set Screw with Drilled Head (2 used)	15	E 1159 F	Jackshaft Key, 5/16" x 1/4", 3" Long, Not Tapered
2	E 1036 F	11-Tooth Jackshaft Sprocket (2 used)	16	Z 981 F	Shaft Key, 5/16", 3-1/8" Long, Not Tapered
3	E 640 F	3/8" x 5/8" Low Head Cup Point Set Screw with Drilled Head (2 used)	17	B 402 F	11-Tooth Power Lift Sprocket
4	JD 7759	1/8" P. T. Straight Zerk Fitting (Alemite No. 1610)	18	LB 224 F	Bearing Plate Spreader Rod, 1/2", 54-1/4" Long
5	B 277 F	Ball Bearing Housing	19	E 1296 F	Bearing Plate Spreader, 1/2" Pipe, 52-1/4" Long
6	LB 40 F	Felt Washer in Housing (2 used)	20	E 1254 F	Drive Chain Idler (B136A F, E1022F, E1179F) (2 used)
7	B 278 F	Ball Bearing Spacer	21	E 1179 F	Idler Bracket (2 used)
8	LB 38 F	Jackshaft Ball Bearing (Schatz Mfg. Co. No. CS-1360)	22	B 136A F	Chilled Iron Bearing for Idler (2 used)
9	LB 39 F	Jackshaft Bearing Housing Gasket	23	E 1022 F	Idler or Roller (2 used)
10	E 1175 F	Jackshaft Bearing Plate	24	E 1290 F	Plain Coupler Link for No. SS127 Roller Chain
11	E 1042 F	Jackshaft Guard Support	25	E 1291 F	Offset Coupler Link for No. SS127 Roller Chain
12	E 1295 F	Jackshaft Guard	26	(E 1292 F	Offset Coupler Link for No. SS127 Roller Chain
13	Z 98L F	Shaft Key, 5/16", 1-1/2" Long, Not Tapered		E 1289 F	Elevator Drive Chain, 90" Long (65 Riveted, 3 Plain Coupler, 2 Roller, and 2 Offset Coupler Links) No. SS127 Roller Chain (2 used)
14	E 1294 F	Jackshaft, 1-1/4", 60-1/2" Long			

Note: One piece used in this grouping unless otherwise noted.

This technical drawing is an exploded view of a mechanical assembly, labeled (1238) at the bottom. It consists of 26 numbered parts arranged to show their relative positions and how they fit together. The parts include:

- 1, 2, 3, 4, 5:** A series of components on the left, including two washers (1, 2), a sleeve (3), a bush (4), and a threaded fitting (5).
- 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18:** A group of small fasteners and components at the top, including a pin (6), a clip (7), a nut (8), a washer (9), a spring (10), a pin (11), a bush (12), a gear or pulley (13), a bolt (14), a pin (15), a bracket (16), a washer (17), and a nut (18).
- 19, 20, 21, 22, 23, 24, 25, 26:** Larger structural components on the right, including a pin (19), a bracket (20), a clip (21), a long shaft (22), a U-shaped bracket (23), a small pin (24), a screw (25), and a large bracket (26).

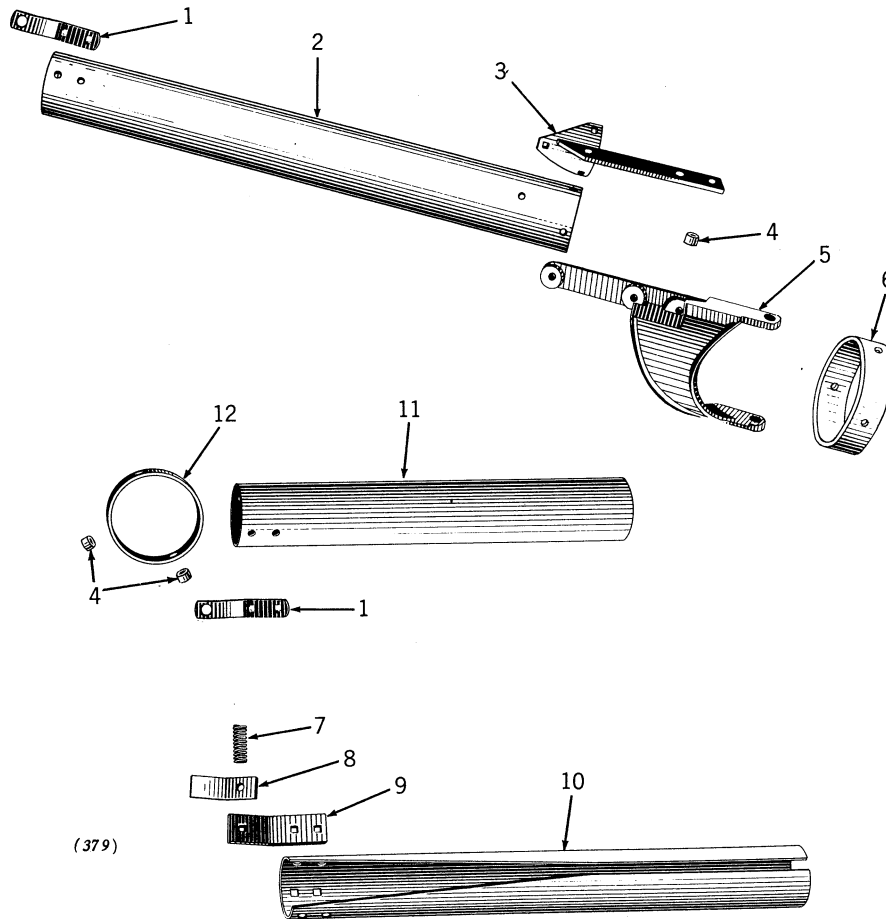
The diagram uses standard engineering conventions, with hatching to indicate different materials and arrows pointing to each individual part.

DRIVE SHAFT AND PEDESTAL BEARING—Continued

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	B 478 H	Roller Bearing Housing End (2 used)	13	E 1048 F	Clutch Driven Face
2	B 8742 H	Felt Washer in B478H (2 used)	14	B 318 H	Universal Joint Center Block
3	JD 7512 R	Roller Bearing less Sleeve (Hyatt No. 16845)	15	JD 7760	1/8" Angle Zerk Fitting (Alemite No. 1612)
4	JD 7462 R	Sleeve for JD7512R (Hyatt No. 4450)	16	B 319 H	Universal Joint Side Bar (2 used)
	JD 7612 R	Roller Bearing, Complete (Hyatt No. 18155)	17	B 5329 H	Leather Washer (4 used)
5	E 963 F	(1 JD7462R, 1 JD7512R)	18	E 1242 F	Universal Joint Yoke Bushing (2 used)
	E 964 F	Pedestal Bearing Housing	19	E 1243 F	Universal Joint Pin, 3/16" x 1-7/8" (2 used)
	E 1252 F	Pedestal Bearing with Roller Bearing (E963F, 2 B478H, 2 B8742H, JD7612R, JD7759)	20	E 1041 F	Universal Joint and Clutch Yoke
6	LB 157 F	Pedestal Bearing with Upper Yoke (E964F, E1177F, R405F)	21	E 1241 F	Clutch Key with Head, 5/16", 1-5/16" Long
	E 1247 F	3/16" Allen Set Screw Wrench for 3/8" Set Screw	22	E 1239 F	Drive Shaft, 1-1/8", 57-7/8" Long
7	E 1247 F	3/8" x 3/4" Allen Head Cup Point Set Screw (2 used)		E 1246 F	Universal Joint Assembly (E1041F, 2 E1242F, 2 E1243F, B318H, 2 B319H, 4 B5329H, JD7760)
8	E 1240 F	Shouldered Clutch Spring Collar		E 1250 F	Drive Shaft with Slip Clutch and Universal Joint (E1246F, E640F, E1044F, E1047F, E1048F, E1239F, E1240F, E1241F, E1244F, E1247F)
9	E 1044 F	Clutch Spring Adjusting Nut			
10	E 1244 F	Clutch Overload Spring	23	E 1177 F	Upper Pedestal Yoke
11	E 640 F	3/8" x 5/8" Low Head Cup Point Set Screw with Drilled Head	24	R 405 F	Pipe Spacer, 3/8" Pipe, 7/8" Long
12	E 1047 F	Clutch Drive Face	25	JD 7759	1/8" Straight Zerk Fitting (Alemite No. 1610)
			26	E 1297 F	Lower Pedestal Yoke on Beam Lift Shaft

Note: One piece used in this grouping unless otherwise noted.

SHAFT AND UNIVERSAL JOINT GUARDS

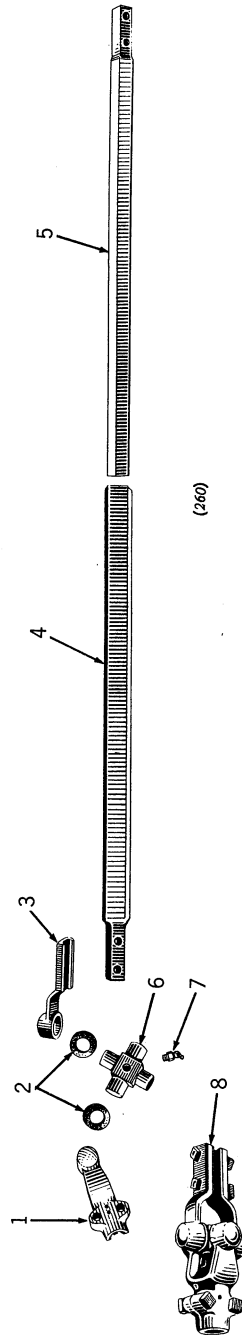


SHAFT AND UNIVERSAL JOINT GUARDS—Continued

Ref. No.	Part No.	Description
1	E 917 F	Guard Tube Bracket (2 used)
2	E 1165 F	Drive Shaft Guard Tube, 46-1/4" Long
3	E 1148 F	Drive Shaft Guard Tube Front Support
4	Z 262A F	Pipe Bushing, 3/8" Pipe, 9/16" Long (6 used)
	E 1172 F	Drive Shaft Guard, Complete (2 E917F, E1148F, E1165F, 2 Z262A F)
5	E 1043 F	Slip Shaft Guard Tube Support
6	E 1293 F	Slip Shaft Guard Support Ring
7	E 2666 H	Guard Tube Retaining Spring
8	E 1227 F	Guard Tube Retaining Clip
9	E 1226 F	Split Guard Tube Bracket
10	E 1222 F	Split Guard Tube, 25" Long
	E 1225 F	Split Guard Tube, 46" Long
	E 1230 F	Split Guard Tube Assembly for E783F (E1222F, E1226F, E1227F, E2666H)
	E 1233 F	Split Guard Tube Assembly for E634F (E1225F, E1226F, E1227F, E2666H)
11	E 751 F	4" Guard Tube, 24" Long
	E 753 F	4" Guard Tube, 44" Long
	E 757 F	Guard Tube Assembly for E782F (E728F, E751F, 2 E917F, 4 Z262A F)
	E 760 F	Guard Tube Assembly for E619F (E728F, E753F, 2 E917F, 4 Z262A F)
12	E 728 F	Universal Joint Guard Ring (Substitute E1293F)

Note: One piece used in this grouping unless otherwise noted.

SLIP SHAFT AND UNIVERSAL JOINTS

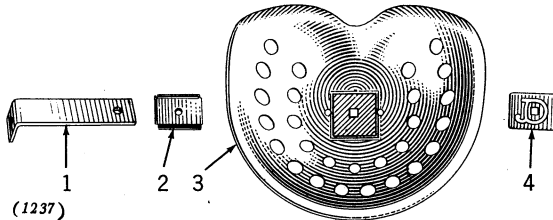


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	JD 98 H	Universal Joint Fork for 1-1/8" Spline Shaft (2 Halves)	6	B 318 H	Universal Joint Center Block
2	JD 99 H	Universal Joint Fork for 1-3/8" Spline Shaft (2 Halves)	7	JD 7760	1/8" Angle Zerk Fitting (Alemite No. 1612)
3	JD 100 H	Universal Joint Fork for 1-3/4" Spline Shaft (2 Halves)	8	JD 5208 H	Universal Joint, Complete for 15/16" Square End and 1-3/4" Spline Shafts (B318H, 2 B319H, 4 B5329H, 2 JD100H, JD7760)
4	B 5329 H	Leather Washer (4 used)		B 6395 H	Universal Joint, Complete for 15/16" Square End and 1-1/8" Spline Shafts (B318H, 2 B319H, 4 B5329H, 2 JD98H, JD7760)
5	B 319 H	Universal Joint Side Bar (2 used)		B 6396 H	Universal Joint, Complete for 15/16" Square End and 1-3/8" Spline Shafts (B318H, 2 B319H, 4 B5329H, 2 JD99H, JD7760)
	E 634 F	Hollow Shaft, 46" Long			
	E 783 F	Hollow Shaft, 25" Long			
	E 619 F	1" Square Shaft, 44" Long			
	E 782 F	1" Square Shaft, 24" Long			

Note: One piece used in this grouping unless otherwise noted.

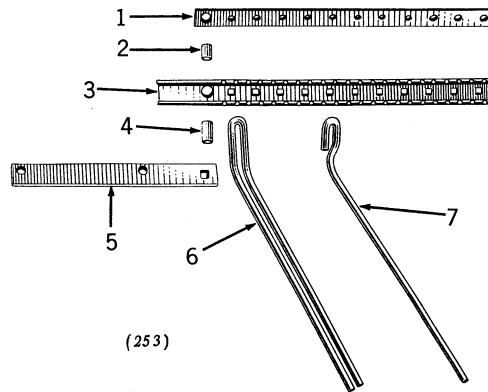
SEAT AND ROD DEFLECTOR

ALB166 Seat Attachment



Ref. No.	Part No.	Description
1	LB 230 F	Seat Support
2	Z 1023 F	Seat Adapter Plate
3	JD 54 B	Steel Seat
4	JD 55 B	Seat Reinforcement Plate

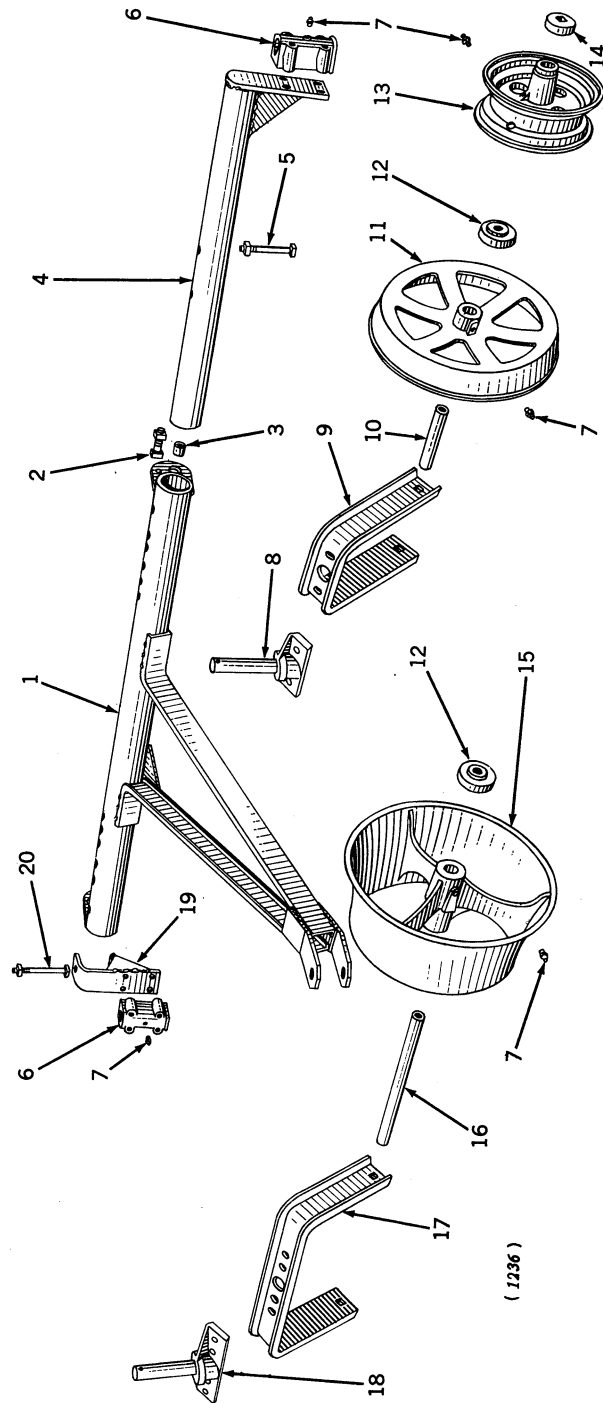
Note: One piece used in this grouping unless otherwise noted.



Ref. No.	Part No.	Description
1	LB 89 F	Strap Cover for Rods
2	LB 91 F	Spacer for LB89F, 3/4" Pipe, 13/16" Long
3	LB 88 F	Channel Rod Holder
4	LB 90 F	Bushing, 3/8" Pipe, 1-5/16" Long
5	LB 87 F	Deflector Support Bar
6	Z 817 F	Double Deflector Rod
7	Z 818 F	Single Deflector Rod (10 used)
....	ALB 35 F	Left Deflector with Rods (LB87F, LB88F, LB89F, LB90F, LB91F, Z817F, 10 Z818F)
....	ALB 36 F	Right Deflector with Rods

Note: One piece used in this grouping unless otherwise noted.

FRONT TRUCKS



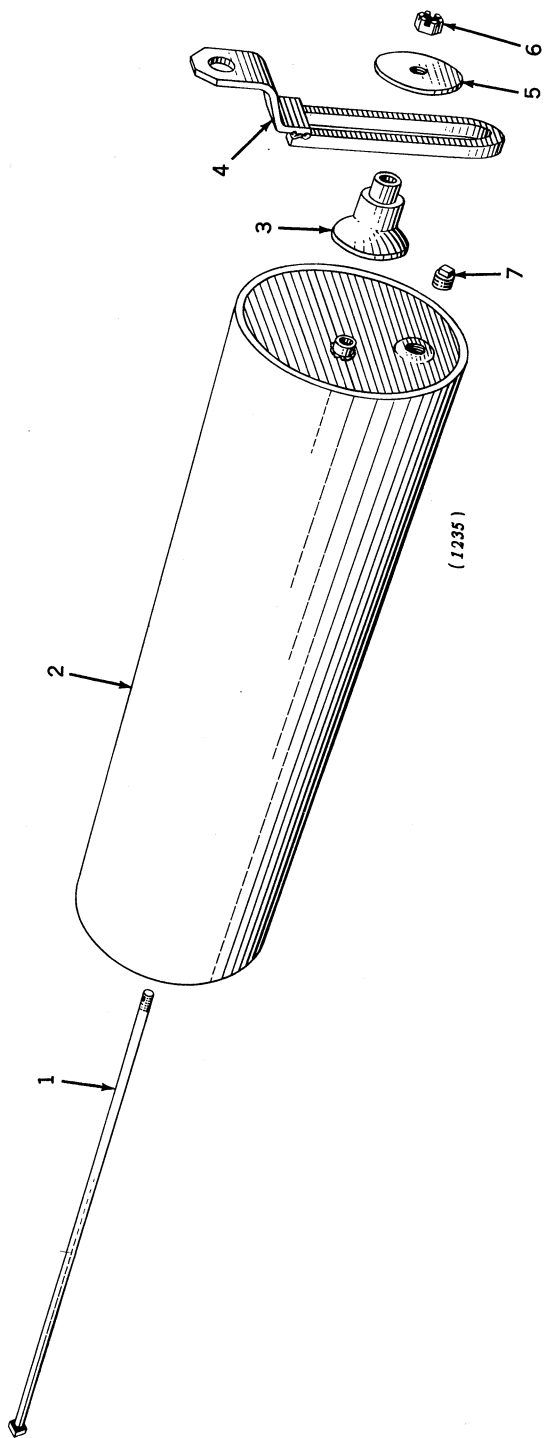
(1236)

FRONT TRUCKS—Continued

Ref. No.	Part No.	Description	No. Used		
			PD116	PD116R	PD117
1	Z 1034 F	Truck Frame Welded.....	1	1	1
2	LB 263 F	3/4" x 2-1/2" Machine Bolt Drilled for Cotter.....	2	2	2
3	Z 860 F	Bushing for Digger Frame, 3/4" Pipe, 1-1/16" Long.....	2	2	2
4	Z 1033 F	Extension Bar.....	2	2	2
5	Z 1047 F	5/8" x 4-1/2" Machine Bolt Hardened.....	2	2	2
6	B 386 F	Caster Shank Bearing.....	2	2	2
7	JD 7759	1/8" Straight Zerk Fitting (Alemit No. 1610).....	6	4	6
8	Z 1045 F	Caster Shank Assembly.....	2	2	2
9	Z 906 F	Caster Wheel Arch.....	2	2	2
10	Z 909 F	Caster Wheel Bushing, 3/4" Extra Heavy Pipe, 6" Long.....	2	2	2
11	B 309 F	Caster Wheel Half.....	4	4	4
12	B 175A F	Sand Band.....	4	4	4
13	B 351 F	Wheel with Drop Center Rim for 4.00 x 8 Rubber Tire.....	2	2	2
14	B 120 F	Sand Band for B351F.....	4	4	4
15	B 241 F	Caster Roller Half.....	2	2	2
16	Z 272A F	Caster Roller Bushing, 3/4" Extra Heavy Pipe, 14-11/16" Long.....	2	2	2
17	Z 907 F	Caster Roller Arch.....	2	2	2
18	Z 1046 F	Caster Shank Assembly.....	2	2	2
19	Z 1037 F	Bearing Support Welded.....	2	2	2
20	Z 1048 F	5/8" x 5-3/4" Machine Bolt Hardened.....	2	2	2

Note: One piece used in this grouping unless otherwise noted.

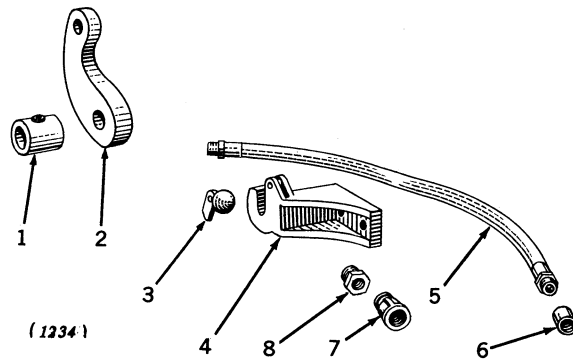
ROLLER ATTACHMENT



Ref. No.	Part No.	Description
1	ALB 168 F	Roller Rod with Nut, Welded
2	LB 235 F	Smoothing Roller
3	B 403 F	Roller Attachment Bearing (2 used)
4	ALB 142 F	Attaching Bracket (2 used)
5	LB 239 F	Roller Washer (2 used)
6	14H533	3/4" Slotted Hex. Nut
7	E 819 F	3/4" Std. Pipe Plug (2 used)

Note: One piece used in this grouping unless otherwise noted.

POWER CONTROL



Ref. No.	Part No.	Description
1	B 405 F	Spacing Collar for Lift Shaft Arm
2	B 410 F	Lift Shaft Arm
3	B 426 F	Cylinder Support Lock
4	B 409 F	Hydraulic Cylinder Support
5	LB 261 F	Hose Assembly, 1/2" Male Pipe Thread Each End
6	JD 148 A	1/2" Pipe Coupling
7	JD 146 A	1/2" x 3/4" Reducing Coupling
8	JD 143 A	1/2" x 3/4" Reducing Bushing

Note: One piece used in this grouping unless otherwise noted.

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ALB 148 F.....	27	B 376 F.....	33	E 1017 F.....	39
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ALB 161 F.....	31	B 399 F.....	35	E 1046 F.....	33
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FOR GENUINE JOHN DEERE



PARTS

AND FACTORY-CONTROLLED

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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

