

**FEED ROLLS
ATTACHMENT FOR NO. 12-A
COMBINE & NO. 12-A
COMBINE EQUIPPED
WITH FEED ROLLS
(SERIAL NO. 12-87604 & UP)**



JOHN DEERE

OPERATORS MANUAL

FEED ROLLS ATTACHMENT FOR NO. 12-A
COMBINE & NO. 12-A COMBINE EQUIPPED WITH
FEED ROLLS (SERIAL NO. 12-87604 & UP)

OMH15251 (01FEB51) English

OMH15251 (01FEB51)

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ENGLISH



TO THE PURCHASER

The purpose of this Manual is to give you useful information on how to operate your John Deere No. 12-A Combine equipped with Feed Rolls.

Information regarding setting-up of the John Deere No. 12-A Combine will be found in the Setting-Up Manual, OM-H4. General Operation of the John Deere No. 12-A Combine will be found in the Operator's Service Manual, OM-H3.

This Feed Rolls Attachment will handle flax and other hard-to-thresh crops. See Adjustments for Various Crops.

Before operating Combine in a different crop, see that it is properly adjusted for that crop.

Be sure to have the proper roll spacing.

Check roll pressure from time to time.

Keep strippers properly adjusted to prevent leakage of material.

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INSTRUCTIONS FOR ADJUSTING AND OPERATING JOHN DEERE No. 12-A COMBINE EQUIPPED WITH FEED ROLLS

The lower feed roll is of heavy steel tubing and the upper roll is of extra tough rubber vulcanized over steel—both rolls are full length of cylinder.

The combination rubber and steel rolls crush the flax bolls or seed pods and free the seed without injury, thus allowing easy separation at the cylinder. The rolls because of their slow-feeding action, are also beneficial in threshing other crops listed under "Adjustments for Various Crops". The cylinder does little other than loosen up the material and pass it over the grate surface onto the straw rack.

The top roll runs slightly faster than the lower roll giving a rubbing action which further adds to clean threshing. Pressure on top roll is maintained by heavy coil springs. The tension of springs is readily adjusted.

FIELD ADJUSTMENTS

In general, the field adjustments for the No. 12-A Combine with feed rolls are the same as those for the standard No. 12-A. Refer to your copy of the "Operator's Service Manual", OM-H3.

The field adjustments of the feed roll unit consists of roll spacing and roll pressure. These adjustments are easily made.

Roll Spacing

There should be a slight opening between the rolls. They should not contact each other. The amount of opening required depends upon the crop being handled. Specific roll spacings will be given under the heading "Adjustments for Various Crops".

Roll Pressure

Pressure adjustment is independent of spacing adjustment. Crops that are hard to thresh require a greater pressure than those that thresh easily.

To Adjust Pressure: Turn hexagon nut "B", Figure 1, below support bracket for adjusting bolt, to the **left to increase** and to the **right to decrease** spring tension; adjust both sides evenly. Amount of pressure can be determined by measuring spring compression as shown at "C", Figure 1. This varies, see "Adjustments for Various Crops".

Lower Roll Stripper Adjustments

Strippers are provided for front and rear of lower roll to prevent leakage of material. They should be adjusted to just clear roll at all times.

Adjustment of Front Stripper: Front stripper "D", Figure 1, (leather) should be adjusted to the rear so it just touches roll. To Adjust: Loosen bolts and slide stripper toward roll. Holes are slotted. Adjust evenly full length of roll.

Adjustment of Roll Spacing. Turn adjusting bolt "A", Figure 1, to obtain proper opening. Check with shim for desired spacing. Adjust both sides evenly.

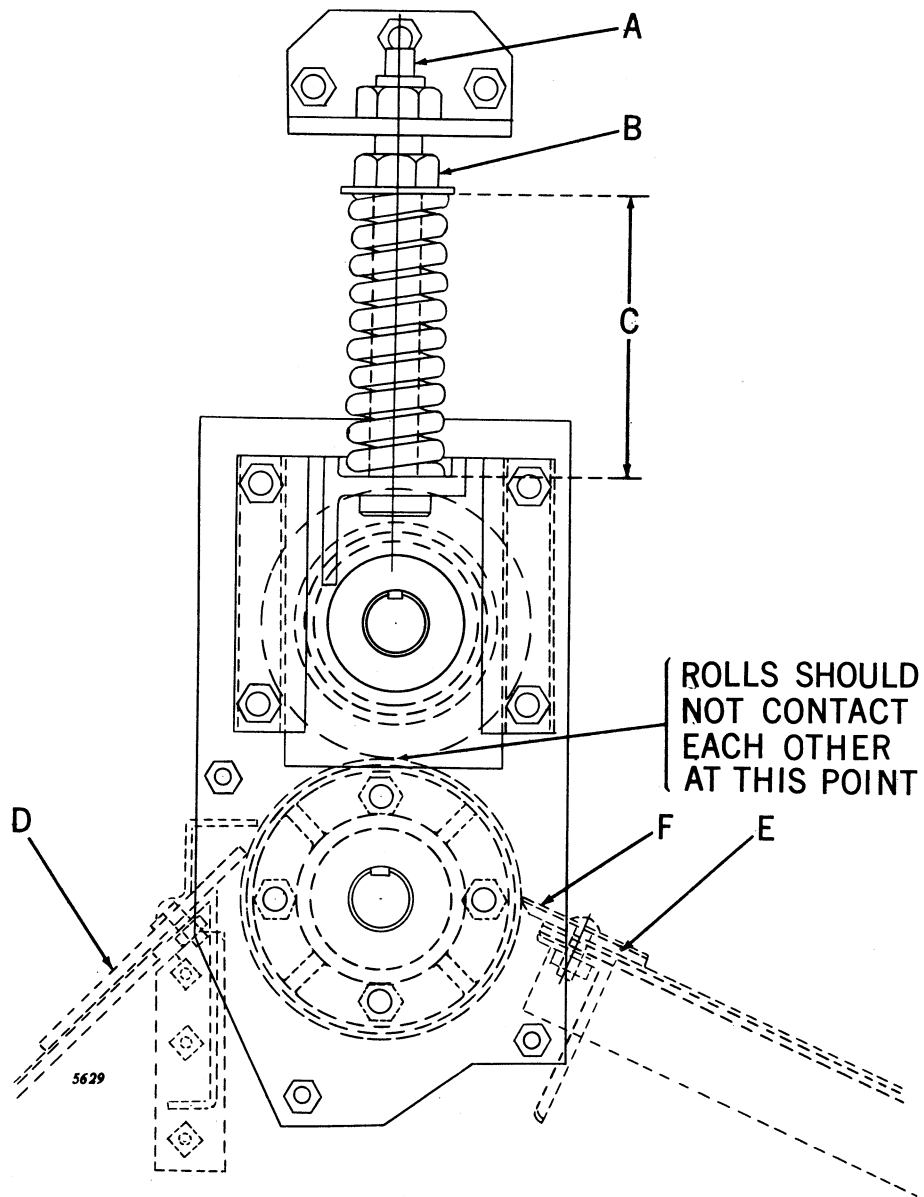


Figure 1

Adjustment of Rear Stripper. Knife stripper "E", Figure 1, should be adjusted forward so it just clears roll. At the same time adjust end plates "F", Figure 1, to completely seal corners. To Adjust: Loosen lock bolts and slide stripper forward. Adjust evenly full length of roll.

DRIVE ROLLER CHAINS

The feed roll drive chains should be kept tight at all times. The upper and lower roll drive chains are adjusted by sliding double sprocket tightener "A," Figure 2, forward. If further adjustment is needed on lower feed roll drive chain, slide tightener sprocket "B", Figure 2, to the rear. Tighten all nuts after adjustments have been made.

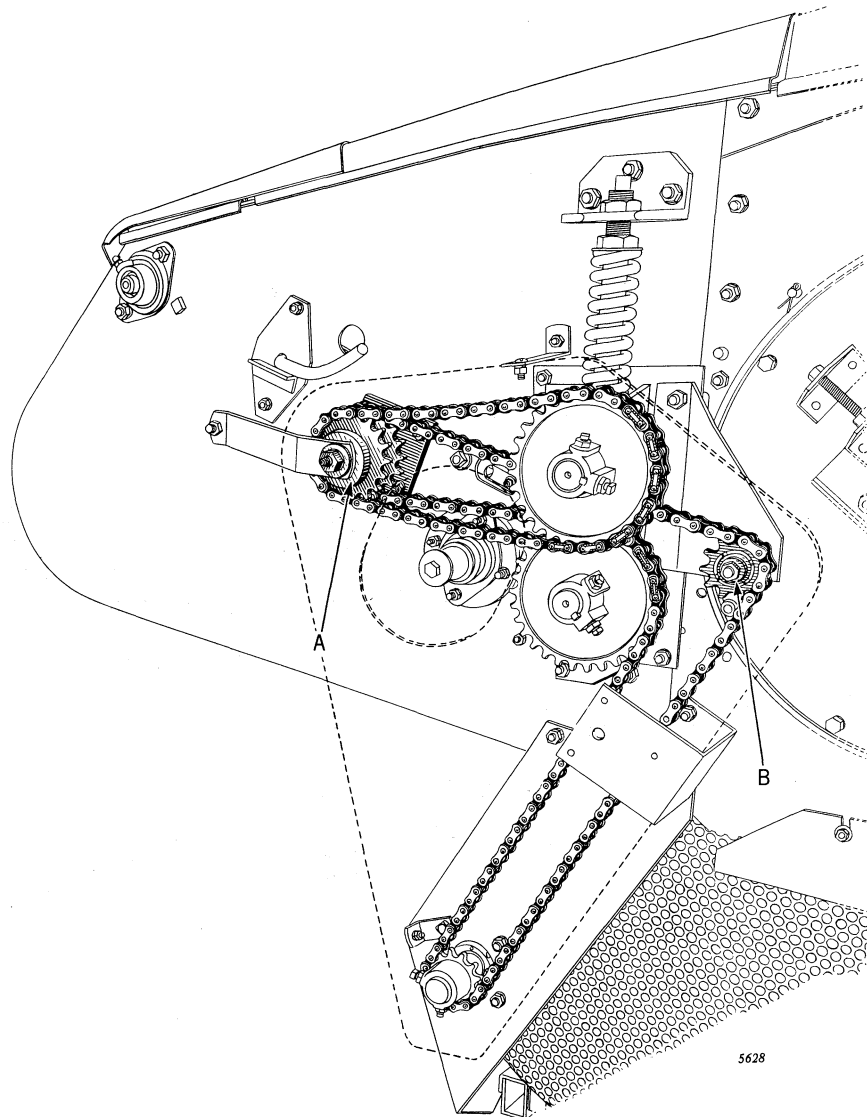


Figure 2

ADJUSTMENTS FOR VARIOUS CROPS

Flax and Radish Seeds

Roll Spacing: $1/64$ " or thickness of ordinary postcard.

Roll Pressure: 5" compression of coil springs on upper roll.

Cylinder Speed: 920 to 940 R.P.M.

Cylinder and Concave Spacing: $3/8$ ".

Because there is very little chaff, it is not necessary to use an excessive amount of fan blast. Replace the $9-5/8$ " fan sheave which comes on the separator with the 10956HH, $11-3/4$ " sheave. This will reduce the speed of the fan from 655 R.P.M. to 536 R.P.M. Tailings will usually be very low. Blast should be placed back as far as possible on cleaning sieve.

A straw rack speed of from 260 to 265 R.P.M. will be sufficient for most conditions.

Clovers, Timothy, and Other Grass Seeds

Roll Spacing: $1/64$ " or thickness of ordinary postcard.

Roll Pressure: 5" compression of coil springs on upper roll.

Cylinder Speed: About 1400 R.P.M.

Cylinder and Concave Spacing: $1/4$ ". Reduce if needed to improve threshing.

Soybeans

Roll Spacing: About $1/8$ " to $3/8$ ".

Roll Pressure: $5-1/4$ " compression of coil springs on upper roll.

Cylinder Speed: 500 R.P.M.

Cylinder and Concave Spacing: About $5/16$ ".

REMARKS: It has been found that when a crop is tough, as after rains or after heavy dew, increasing the spring pressure slightly is very effective in breaking the tough pods.

Edible Beans

Roll Spacing: About $1/8$ " to $3/8$ ".

Roll Pressure: $5-1/4$ " compression of coil springs on upper roll.

Cylinder Speed: 175 to 350 R.P.M.

Cylinder and Concave Spacing: About $5/16$ ".

REMARKS: Great care is necessary in threshing edible beans such as Black-eye, Baby Lima, etc. Cylinder speed and cylinder and concave clearance must be accurately adjusted—spring pressure on rolls must also be carefully adjusted.

Navy or Great Northern variety beans are tough and do not, as a rule damage very easily.

Wheat, Barley Rye and Oats

Roll Spacing: About $1/8$ ".

Roll Pressure: 5" compression of coil springs on upper roll.

Cylinder Speed: About 900 R.P.M.

Cylinder and Concave Spacing: About $3/8$ ".

SETTING UP SHIPPING PACKAGES

JOHN DEERE No. 12A COMBINE FEED ROLLS ATTACHMENT

- 14541 HH Side Sheet Extensions and Drive Chain Shield
- 11835 HH Rubber and Steel Rolls, Drive Shaft and Front Cover Extension for Cylinder
- 14103 HH Hub with Universal (Serial No. 12-33268 and Up)
- 14116 HH Separator Drive Sheave with Universal (Below Serial No. 12-33268)
- 10956 HH 11-3/4" Slow Speed Fan Sheave

JOHN DEERE No. 12-A COMBINE EQUIPPED WITH FEED ROLLS SERIAL No. 12-81549 AND UP

- 14537 HH Separator with Grain Tank and 6-Ply Tires (Regular)
- 14539 HH Separator with Grain Tank and 8-Ply Tires (Special)
- 14538 HH Separator with Sacking Attachment and 6-Ply Tires (Regular)
- 14540 HH Separator with Sacking Attachment and 8-Ply Tires (Special)
- 14246 HH Tractor Hitch Tubes
- 14244 HH Tractor Hitch Extension
- 14542 HH Platform Bottom

11208 HH Platform Side Sheets
 10475 HH Platform Skid Shoes with Brace and Support Plate
 14245 HH Platform Lifting Arm
 14193 HH Platform Lifting Lever with Drag Link
 14147 HH Pitman Drive Shaft
 11014 HH Reel Pipe Supports and Braces
 11577 HH Reel Pipe with Spiders
 10353 HH Reel Arms
 10211 HH Reel Slats
 14131 HH Bundle of Sheaves and Reel Center Plates
 11013 HH Platform and Feeder Canvases
 14143 HH Main Drive Gear Case (Power-Driven Grain Tank Machine)
 14140 HH Main Drive Gear Case (Power-Driven Sacker Machine)
 14206 HH Main Drive Shield (Power-Driven Machine)
 14400 HH Bag of Chains, Shields and Belts (Power-Driven Grain Tank Machine)
 14202 HH Bag of Chains, Shields and Belts (Power-Driven Sacker Machine)
 14195 HH Power Shaft with Front Bearing Bracket
 14052 HH Sack Chute
 10956 HH 11-3/4" Slow Speed Fan Sheave
 14397 HH Miscellaneous Bag of Parts (Engine-Driven Grain Tank Machine)
 14075 HH Miscellaneous Bag of Parts (Engine-Driven Sacker Machine)

SETTING UP FEED ROLLS ATTACHMENT

1. Remove the following from the machine:

- Separator and tailings elevator drive belts.
- Feeder and tailings elevator drive sheave.
- Separator drive belt upper idler sheave and upper idler bracket.
- Pitman drive pipe and platform canvas drive roller sheave.
- Platform canvas drive roller and platform.
- Cylinder end plate on left-hand side of combine.

2. (Figure 3) Attach template to left hand separator side sheet as shown: Drill holes "A," in side sheet as indicated on template; cut off front portion of left hand side sheet.

3. (Figure 4) Reverse template and attach to right hand separator side sheet as shown and drill holes "A" as indicated on template; cut off front portion of right hand side sheet.

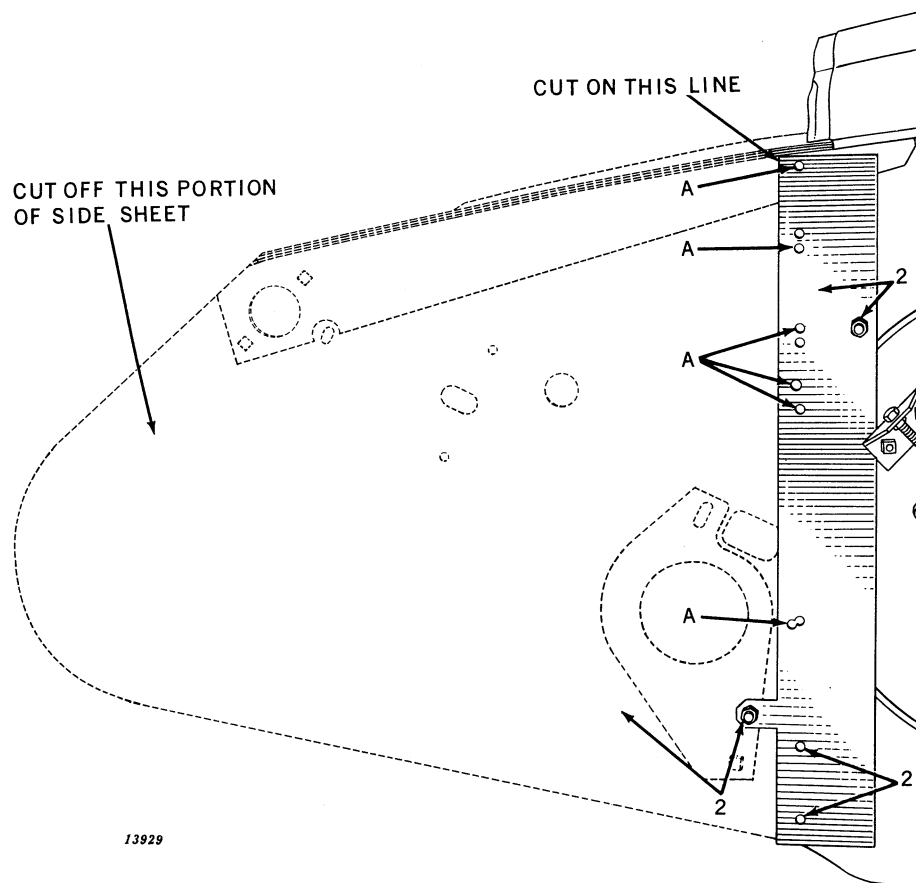


Figure 3

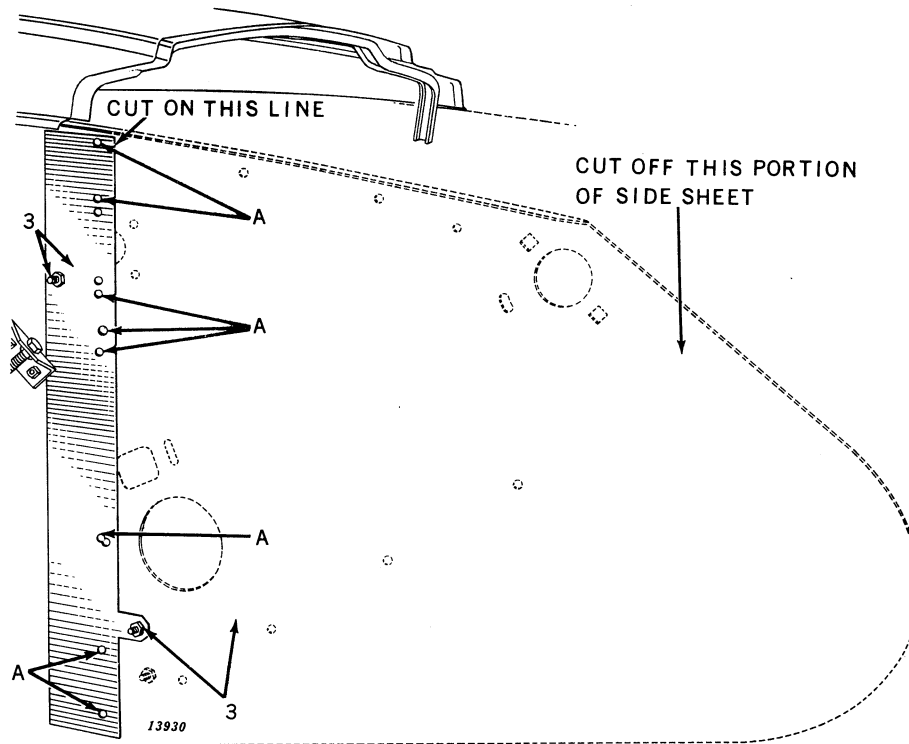


Figure 4

4. (Figure 5) Replace plate at front of concave with new one furnished. After lower flax roll has been installed adjust plate for clearance at same time adjusting end plates to completely seal corners.

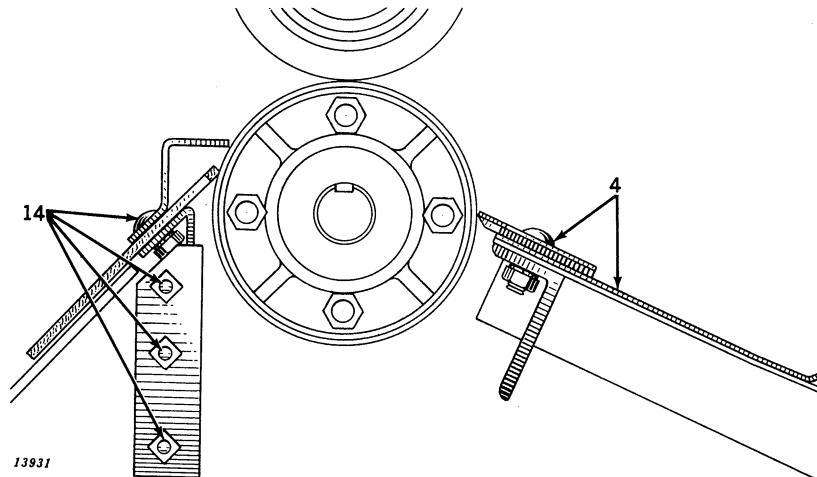


Figure 5

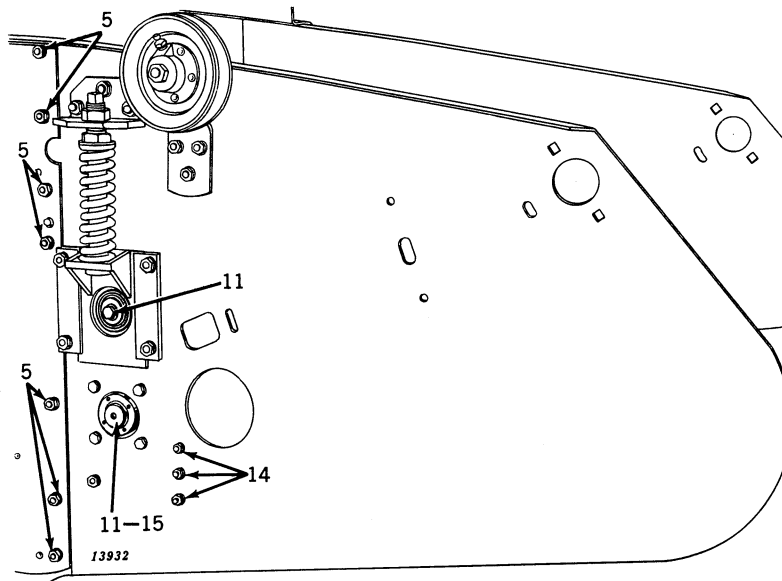


Figure 6

5. (Figure 6) Bolt extension sheet to right hand-side sheet as shown.
6. (Figure 7) Bolt extension sheet to left-hand side sheet as shown. At same time bolt drive chain shield bracket "A" in place as shown.

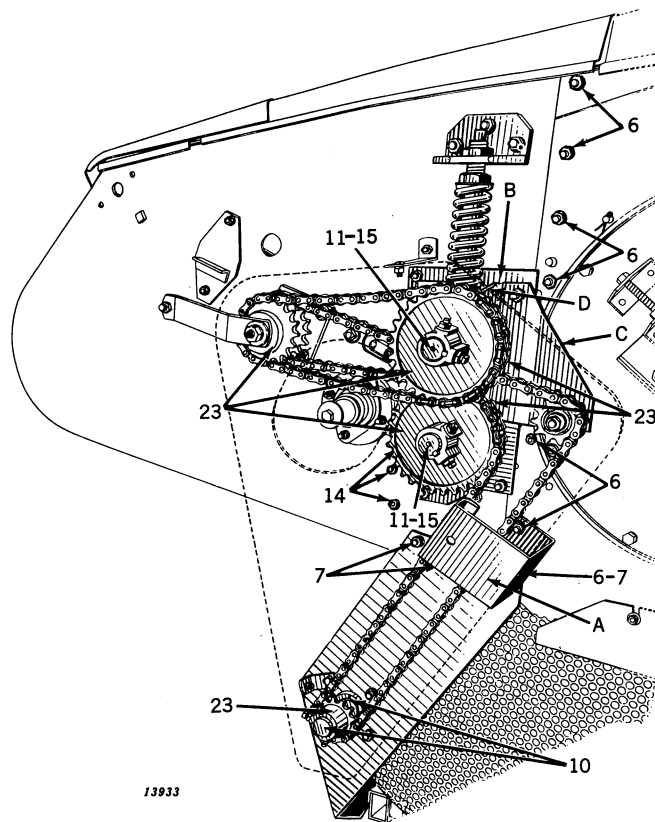


Figure 7

7. (Figure 7) Bolt fan cross angle support bracket to extension for left hand side sheet, at the same time bolt feed roll drive shaft support to separator side left hand. Bolt feed roll drive shaft support to separator cross support tube with bolt and U-bolt as shown in Figure 8.

8. (Figure 8) Bolt bracket (bolted to right hand side sheet extension) to fan cross angle and upright support angle, right hand.

9. (Machines below Serial No. 12-33268) (Figure 8) Replace separator drive sheave with new one furnished.

10. (Figure 7 and 8) Loosen retainer in left hand bearing housing; slide drive shaft through bearing (from inside) and bolt to universal joint (welded to new separator drive sheave). Note 1: *Machines Serial No. 12-33268 and up*, universal joint bolts directly to separator drive sheave with six longer cap screws furnished. See 1, Figure 13. Note 2: *On early machines* it will be necessary to cut holes in fan screen (see Figure 8) before drive shaft can be installed. It will also be necessary to notch front of both fan shutters to allow complete movement of shutters. After shaft is set in place tighten retainer.

11. (Figures 6, 7, and 8) Remove plate "B," Figure 7, on left-hand side of machine, at the same time remove drive chain tightener bracket "C," Figure 7, and upper roll adjusting assembly "D," Figure 7. Slide upper roll (rubber) through opening and into bearing box on right-hand side; place large washer, then bearing, then other large washer onto right-hand end of roll. Hold in place by screwing cap screw with lock washer into right-hand end of shaft. Wire left-hand end of roll up out of way, slide lower roll (steel) through opening and into bearing box in right hand side. *Note: Before inserting roll shaft in right-hand side be sure that the bearing and two snap rings (one on either side of bearing) are placed in bearing box. Do not lock shaft to bearing at this time.*

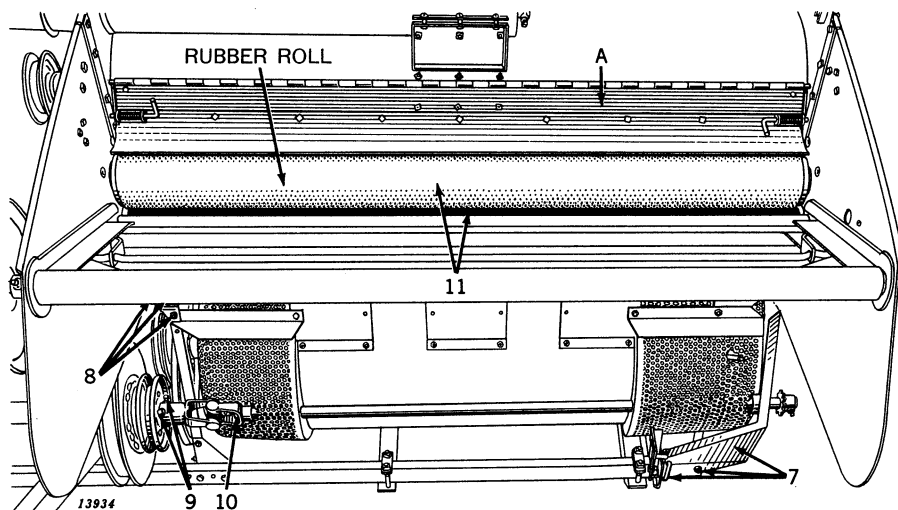


Figure 8

12. (Figure 8) Replace cylinder cover "A" with new one furnished
13. (Figure 7) Place bearings and snap rings into lower bearing box in plate "B," slide plate onto rolls and rebolt to machine. Do not rebolt drive chain tightener bracket "C" or upper roll adjusting assembly "D" to combine at this time.
14. (Figures 5, 6, and 7) Bolt lower roll seal to right-hand and left-hand sides as shown. Adjust so that seal just clears lower roll.
15. (Figures 6 and 7) Center steel roll between side sheets and lock bearings both sides. Install bearing and snap ring in adjusting assembly "D" Figure 7. Slide assembly onto upper roll shaft and rebolt to machine. At the same time rebolt main drive chain tightener "C," Figure 7, to machine. Center rubber roll in machine and lock bearing in left hand side.
16. Remove spring tension adjusting bolt from rear end of platform lifting spring. Remove lifting spring assembly from lifting crank. Remove plug from front end of spring.
17. (Machines below Serial No. 12-33268) (Figure 9) Secure new lifting spring and clevis to lifting crank with pin and cotter.
- (Machines Serial No. 12-33268 and up) See 1, Figure 14 for installation of new lifting spring.
18. (Machines below Serial No. 12-33268) (Figure 9) Screw lifting spring, just removed from machine, onto clevis and secure to tie strap with cap screw. Be sure that tapped pipe which is welded to strap is to rear.
- (Machines Serial No. 12-33268 and up) See 2, Figure 14 for installation of second lifting spring.

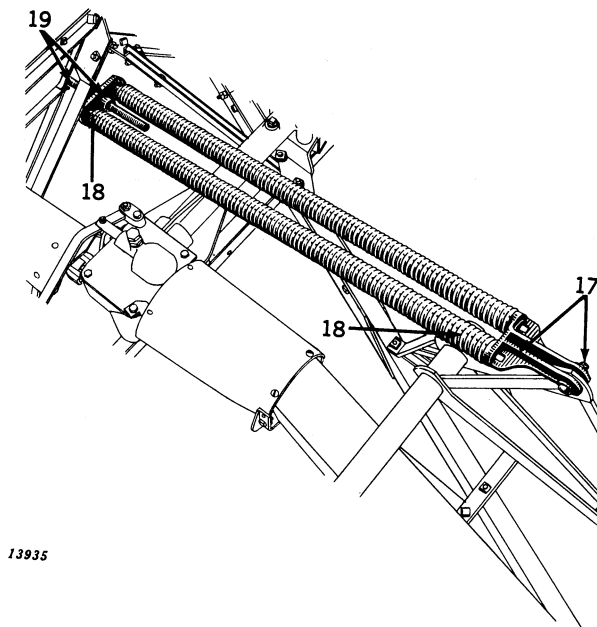


Figure 9

19. (Machines below Serial No. 12-33268) (Figure 9) Screw spring tension adjusting bolt into tie strap.

(Machines Serial No. 12-33268 and up) See 3, Figure 14 for installation of tension adjusting bolt. Adjust tension of platform lifting spring after instruction 22 has been carried out.

20. Bolt platform lifting arm extension to platform lifting arm as shown at "A," Figure 15.

21. Reinstall feeder frame, platform drive roller; feeder drive sheave, platform drive roller sheave and sickle drive pipe. Replace canvas tightener crank with new one furnished as shown at "A," Figure 10.

22. Hook platform lifting link into platform lifting arm extension.

23. (Figure 7) Assemble sprockets as shown and attach drive chains. After drive chains are installed line up lower sprocket on feed rolls drive shaft with other sprockets.

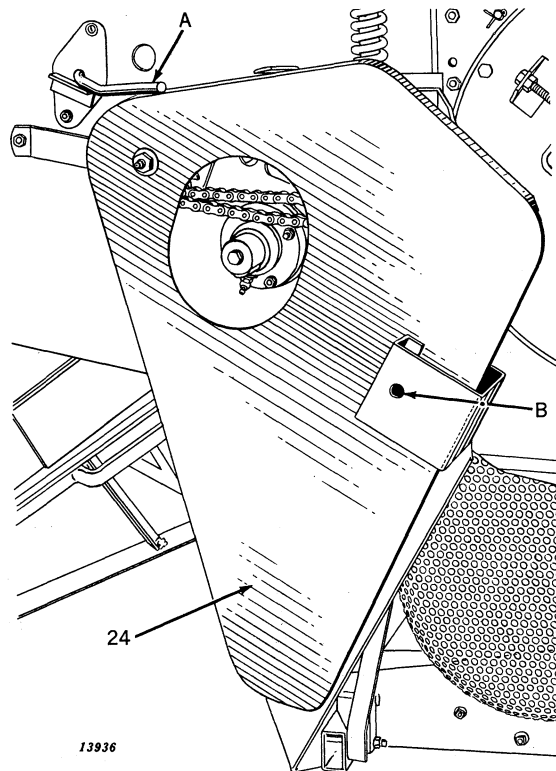


Figure 10

24. (Figure 10) Attach drive chain shield as shown.

NOTE: If Combine is equipped with adjustable reel attachment, discard flat bracket to which P2561 H square lock bracket for outer reel support square pipe is attached. Bolt P2561 H square lock bracket to shield at "B," Figure 10.

25. (Figure 12) Attach new upper idler sheave with longer bolt furnished

26. (Figure 11) Replace separator top door with new one furnished.

27. Attach separator drive belt "A," Figure 12 as shown. A transfer on the separator side sheet shows the correct way to place belts on sheaves. After main drive gear case is attached, adjust tightener sheave at "B," Figure 12, so belt is just tight enough to run without slipping.

28. Attach tailings elevator drive belt "C," Figure 12, as shown. Tailings elevator drive belt is kept at correct tension by tightener "D," Figure 12. No adjustment is required.

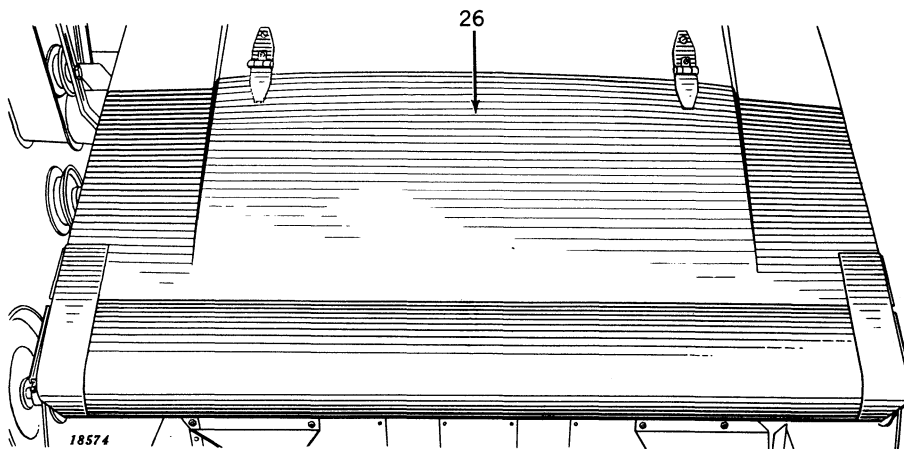
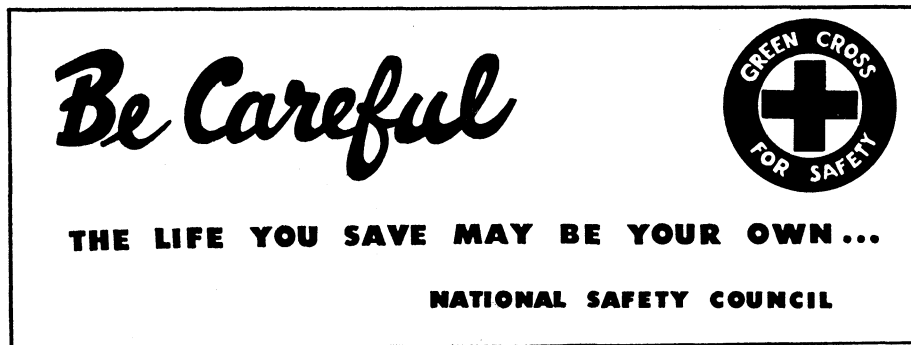


Figure 11



SETTING-UP No. 12 A COMBINE EQUIPPED WITH FEED ROLLS

The general procedure for setting-up a No. 12-A Combine with feed rolls is the same as a regular No. 12-A Combine; therefore, with a few exceptions the Instructions in the Operator's Setting-Up Manual, OM-H4, should be followed.

V-BELTS

The setting up of V-belts on a combine equipped with feed rolls is the same except for the arrangement of idlers for the separator drive belt. Install this belt as shown at "A," Figure 12. For the balance of V-belt installation instructions see "V-BELTS" in Operator's Manual OM-H4.

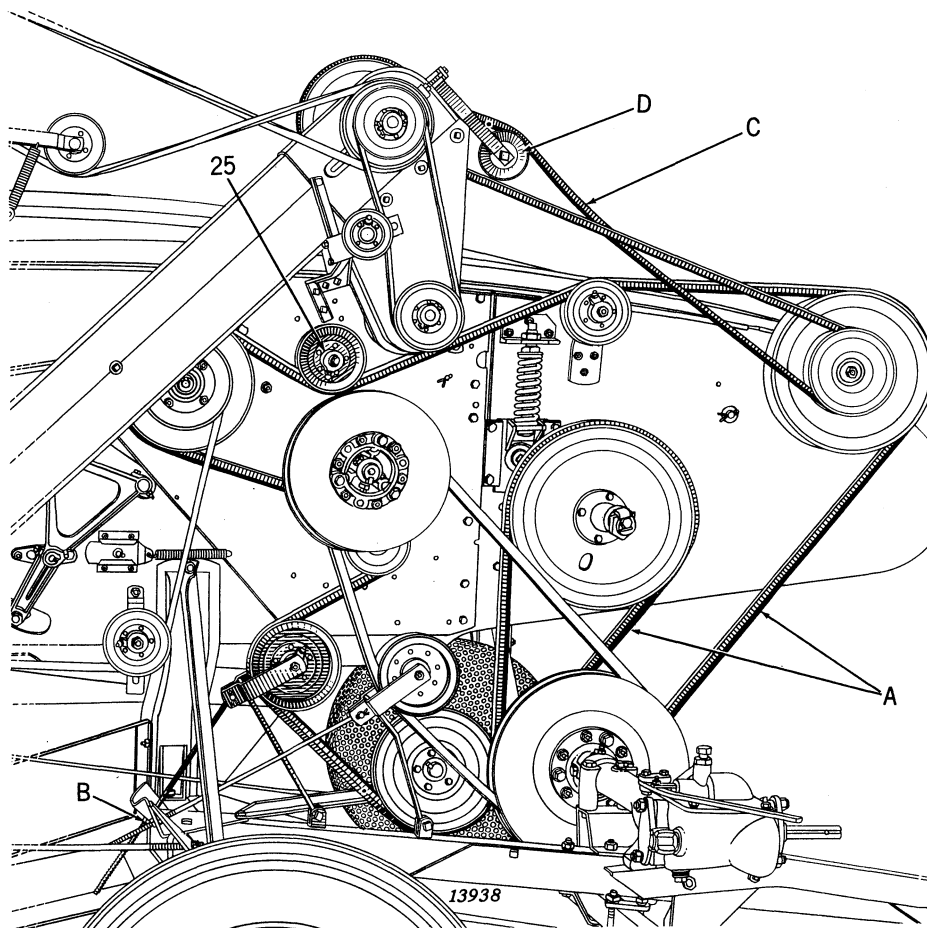


Figure 12

MAIN DRIVE GEAR CASE

1. Bolt hub on universal joint and separator drive sheave to hub on gear case as shown in Figure 13, with longer cap screws furnished, instead of just bolting separator drive sheave to hub on gear case as described in step 4, "Main Drive Gear Case," OM-H4. The balance of the installation of "Main Drive Gear Case" is the same as that given in OM-H4.

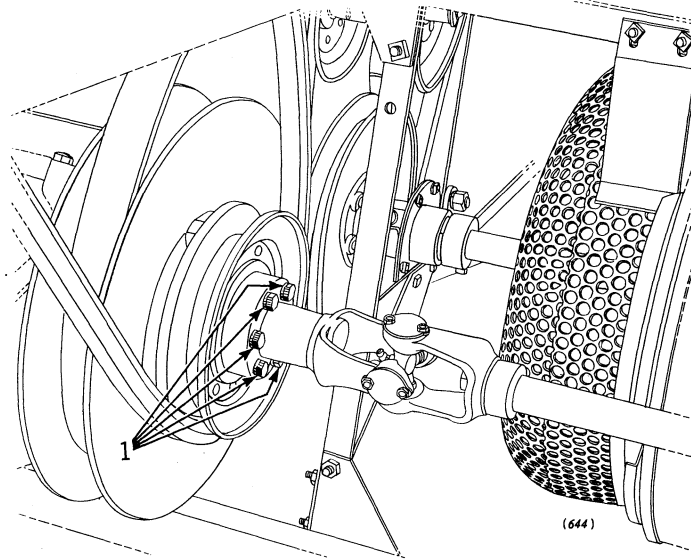


Figure 13

PLATFORM LIFTING PARTS

The installation of the platforms lifting parts for machines with, or without, feed rolls is the same as described in OM-H4, with the following exceptions applying to feed rolls.

1. (Figure 14) Secure clevis to lifting crank with pin and cotter.
2. (Figure 14) Screw lifting springs onto clevis and secure to tie strap with cap screws. Be sure that tapped pipe which is welded to strap is to the rear.

3. (Figure 14) Screw spring tension adjusting bolt into tie strap.
 4. (Figure 14) Bolt lifting lever extension plate to left-hand side of lifting lever as shown, replacing lower bolt with longer shoulder bolt furnished. Secure clevis at front end of lifting pipe to extension plate with pin and cotter.
- Remove blocking under platform and adjust tension of lifting spring with adjusting bolt "3," Figure 14, so platform will raise and lower easily.

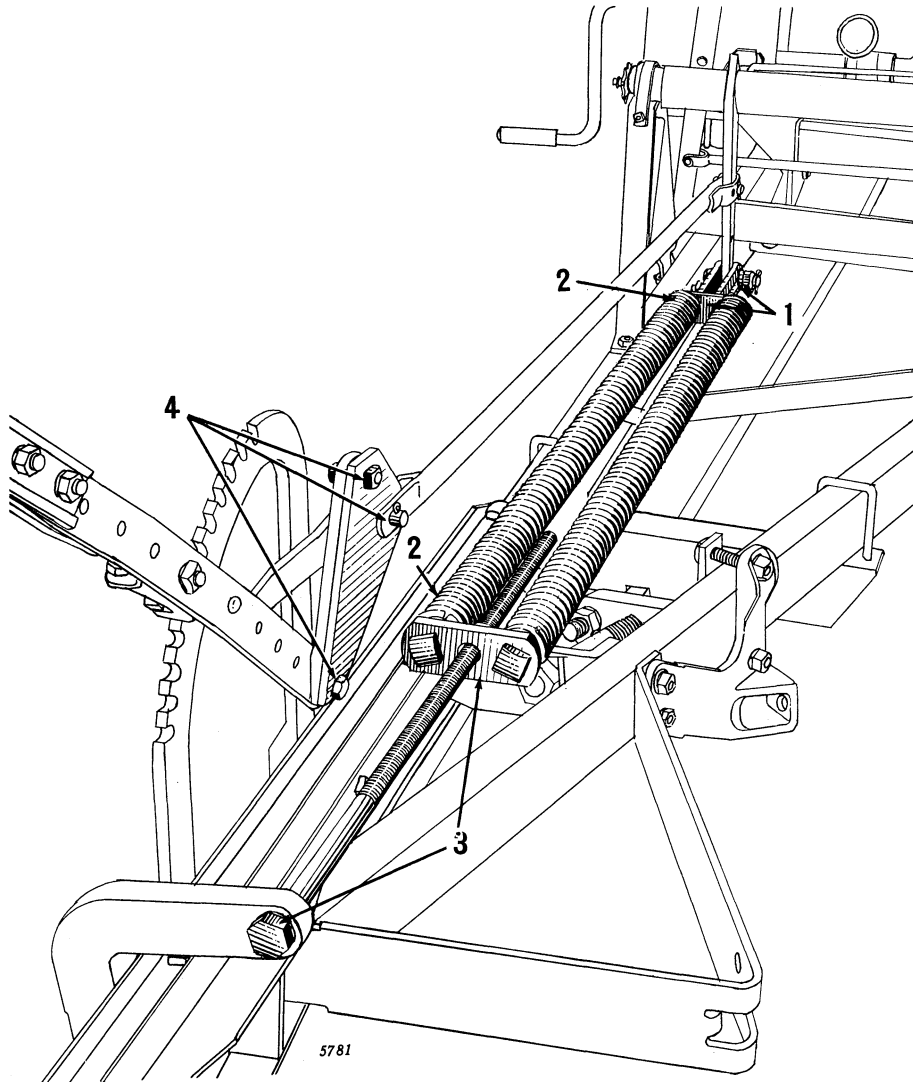


Figure 14

5. Before proceeding with Instruction 8, of OM-H4, bolt platform lifting arm extension to lifting arm as shown at "A," Figure 15. Disregard Instruction 9.

6. Disregard Instruction 9 in OM-H4, as the lifting tension has already been adjusted in the proceeding Instruction 4.

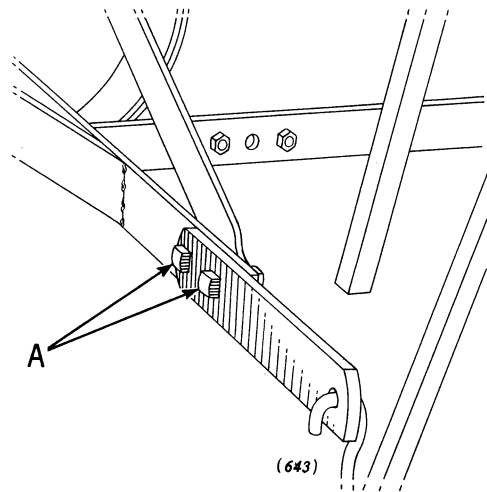
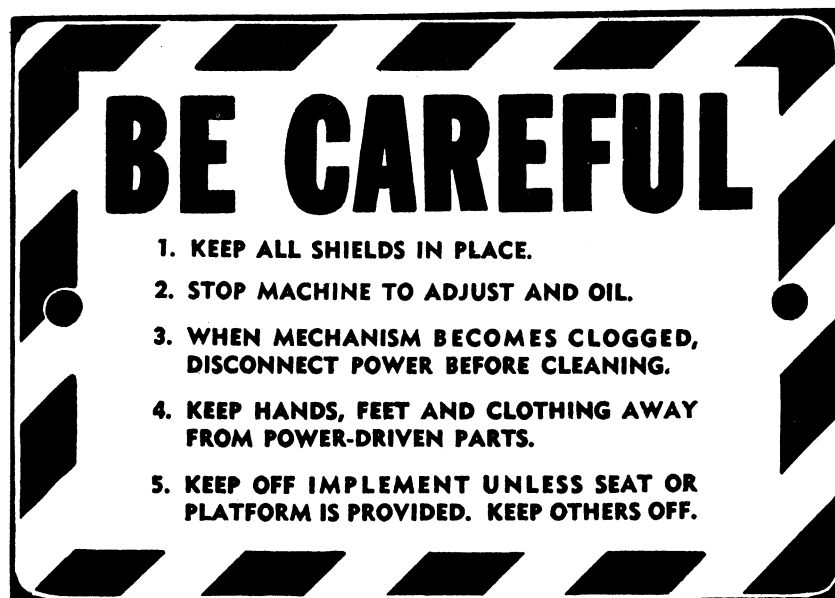


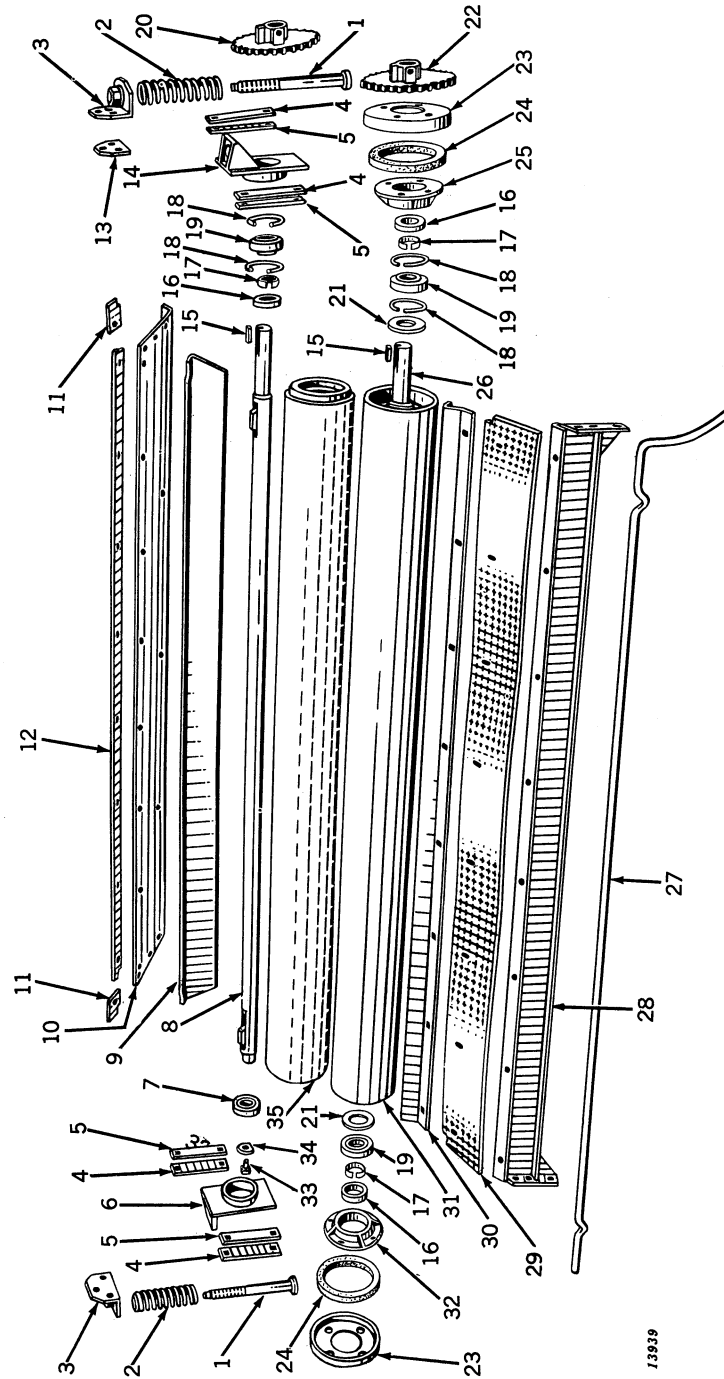
Figure 15



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FEED ROLLS WITH FRONT AND REAR STRIPPERS

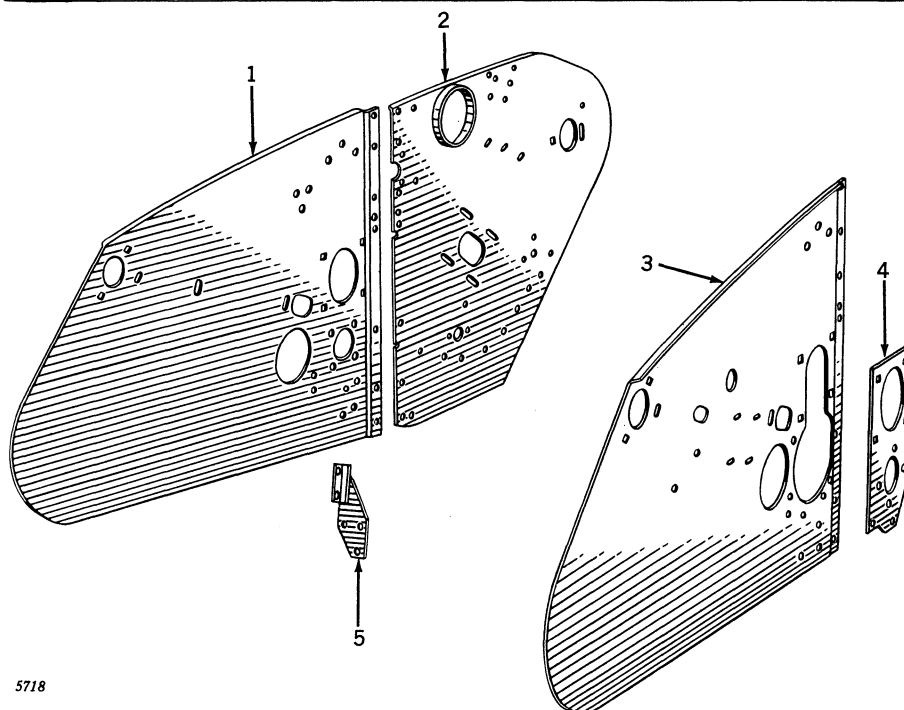


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FEED ROLLS WITH FRONT AND REAR STRIPPERS—Continued

Key	Part No.	Description
1	P 32048 H	Adjusting Bolt for Upper Feed Roll (2 used)
2	P 32008 H	Tension Spring (2 used) (31/32" x 5-1/2", 11 Coils)
3	AP 14556 H	Bracket for Adjusting Bolt (2 used)
4	P 31322 H	Guide for Bearing Box (4 used)
5	P 31321 H	Filler for Bearing Box Guides (4 used)
6	P 2888 H	Bearing Box, R.H.
7	JD 7160 H	Roller Bearing (New Departure No. 88506)
8	AP 13758 H	Shaft for Upper Roll
9	P 31326 H	Support Angle for Rear Stripper
10	P 31320 H	Plate at Front of Concave
11	P 33403 H	Seal on End of Rear Stripper (2 used)
12	P 31327 H	Rear Stripper
13	P 32066 H	Shim under L.H. Bracket for Adjusting Bolt
14	P 2903 H	Bearing Box, L.H.
15	H 2904 H	Key, Sprockets to Shafts (2 used) (1/4" x 1/4" x 1-1/2"
16	P 28485 H	Nut for Adapter (3 used)
17	P 42232 H	Adapter for Bearing (3 used)
18	P 28484 H	Snap Ring for Bearings (4 used)
19	JD 7165 H	Roller Bearing (New Departure No. 88A) (3 used)
20	P 2985 H	Driven Sprocket on L.H. End of Upper Roll (29 Teeth)
21	P 32278 H	Washer (2 used) (1-3/16" x 2-3/8")
22	P 2984 H	Driven Sprocket on L.H. End of Lower Roll (30 Teeth)
23	P 41876 H	Retainer for Felt Grease Seal (2 used)
24	P 31308 H	Felt Grease Seal (2 used)
25	P 2902 H	Bearing Housing, L.H.
26	AP 13759 H	Shaft for Lower Roll
27	P 33441 H	Tightener Crank for Feeder Canvas
28	AP 15622 H	Support for Front Stripper
29	P 31324 H	Front Stripper (Leather Belting)
30	P 36045 H	Bolt Retainer for Front Stripper
31	AP 17426 H	Lower Roll, Complete with Shaft
32	P 2901 H	Bearing Housing, R.H.
33	P 29172 H	Cap Screw for R.H. End of Shaft (L.H. Threads) (3/8" x 1")
34	24H 932 H	Washer on R.H. End of Shaft (7/16" x 1-1/2")
35	AP 12861 H	Upper Roll (Rubber Covered)

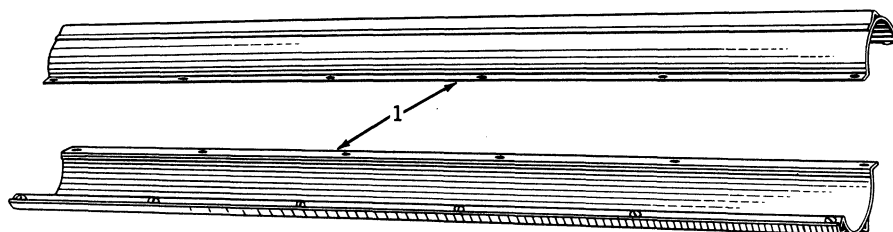
SIDE SHEETS FOR FEED ROLLS ATTACHMENT



5718

Key	Part No.	Description
1	P 31329 H	Side Sheet, R.H.
2	P 33393 H	Stiffener Plate on Separator Side at R.H. End of Cylinder
3	P 31330 H	Side Sheet, L.H.
4	P 31319 H	Plate over Opening in Side Sheet, L.H.
5	AP 20078 H	Angle Bracket on R.H. End of Cross Angle for Upper End of Fan Upright Support Angle

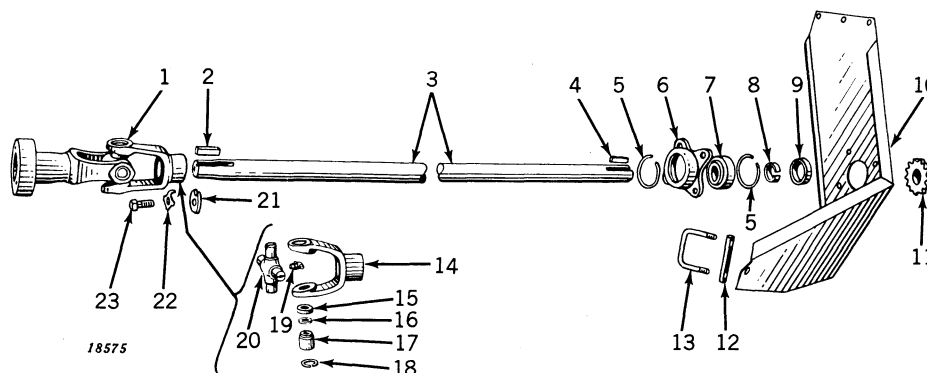
COVER FOR UPPER FEED ROLL (SPECIAL)



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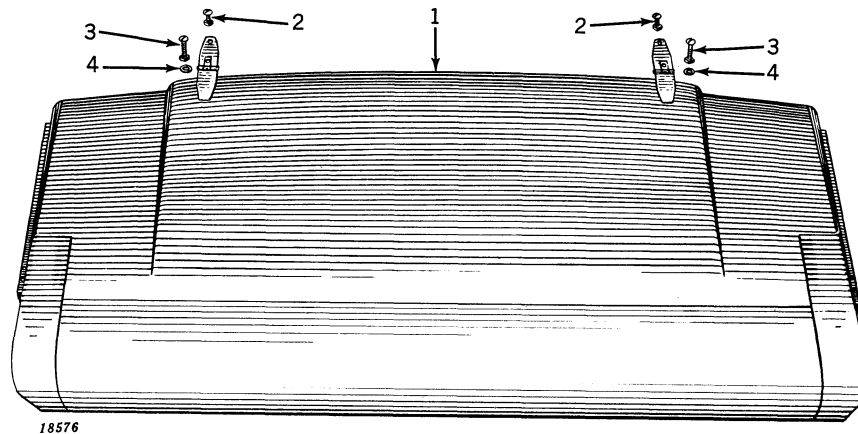
Key	Part No.	Description
1	AP 16290 H	Cover for Upper Flax Roll (Special for Combining Maize) (2 used)

DRIVE SHAFT FOR FEED ROLLS (AT FRONT OF FAN HOUSING)



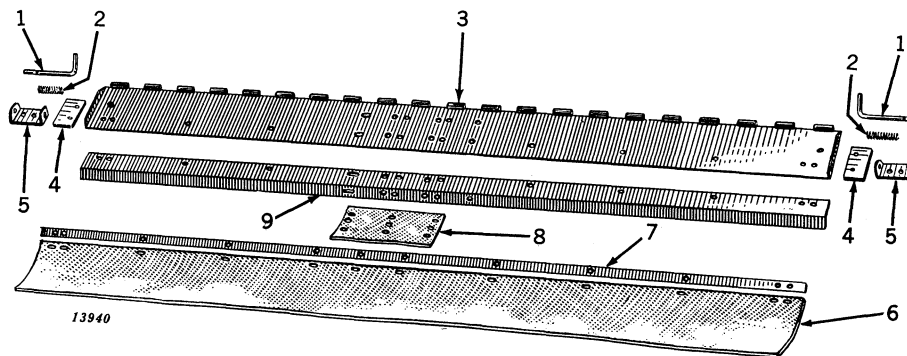
Key	Part No.	Description
1	(AP 20172 H	Hub with Universal Joints (Machines Built after 1945)
	(AP 13761 H	Sheave with Universal Joints (Machines Built prior to 1945)
2	P 29928 H	Key, Universal Joint to Shaft (3/8" x 5/16" x 1-1/8")
3	P 32803 H	Drive Shaft
4	H 2904 H	Key, Sprocket to Shaft (1/4" x 1/4" x 1-1/2")
5	P 42232 H	Snap Ring for Bearing (2 used)
6	PK 992 H	Box for Roller Bearing
7	JD 7165 H	Roller Bearing (New Departure No. 88A)
8	P 28484 H	Adapter for Bearing
9	P 28485 H	Nut for Adapter
10	P 32804 H	Support Bracket
11	P 34015 H	Drive Sprocket (13 Teeth)
12	P 33061 H	Clamp Strap for U-Bolt
13	P 33060 H	U-Bolt for Support
14	P 43682 H	Universal Joint End (Keyed)
15	P 31972 H	Retainer for Grease Washer (4 used)
16	P 31971 H	Grease Washer (Cork) (4 used)
17	P 31967 H	Bushing for Connection (4 used)
18	P 43183 H	Ring, Snap (4 used)
19	JD 7800	Fitting, Grease, 67-1/2°, 5/16" x 7/8" Long, (Alemite No. 1763)
20	P 41300 H	Universal Joint Connection
21	P 32938 H	Washer on Cap Screw (Notched) (15/32" x 1-1/2")
22	J 17071 H	Lock Washer on Cap Screw
23	19H 326 H	Cap Screw in End of Shaft (7/16" x 1")

DOOR OVER CYLINDER



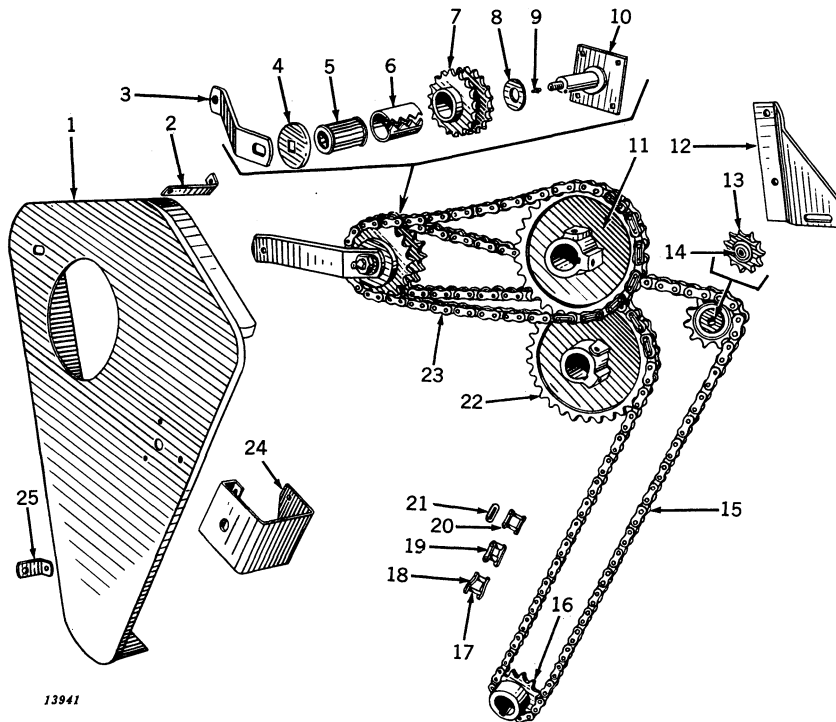
Key	Part No.	Description
1	AP 19904 H	Door Over Cylinder with Hinges
2	13H 176 D	Bolt, Stove, 1/4" x 1/2", with Nut (2 used)
3	13H 238 H	Bolt, Stove, 1/4" x 1-1/8", with Nut (2 used)
4	24H 139 H	Washer, Front Stove Bolt, 5/16" x 3/4" (2 used)

TOP DOOR HINGED EXTENSION



Key	Part No.	Description
1	P 30126 H	Pin, Latch (2 used)
2	HZ 7008 H	Spring, Latch Pin, 10 Coils, 7/16" x 2" (2 used)
3	P 36722 H	Extension, Hinged
4	P 31335 H	Seal, End (2 used)
5	P 30171 H	Bracket, Latch Pin (2 used)
6	P 36725 H	Extension, Rubber
7	P 36724 H	Retainer, Rubber Extension
8	P 31337 H	Flap, Rubber
9	P 36723 H	Angle, Stiffener

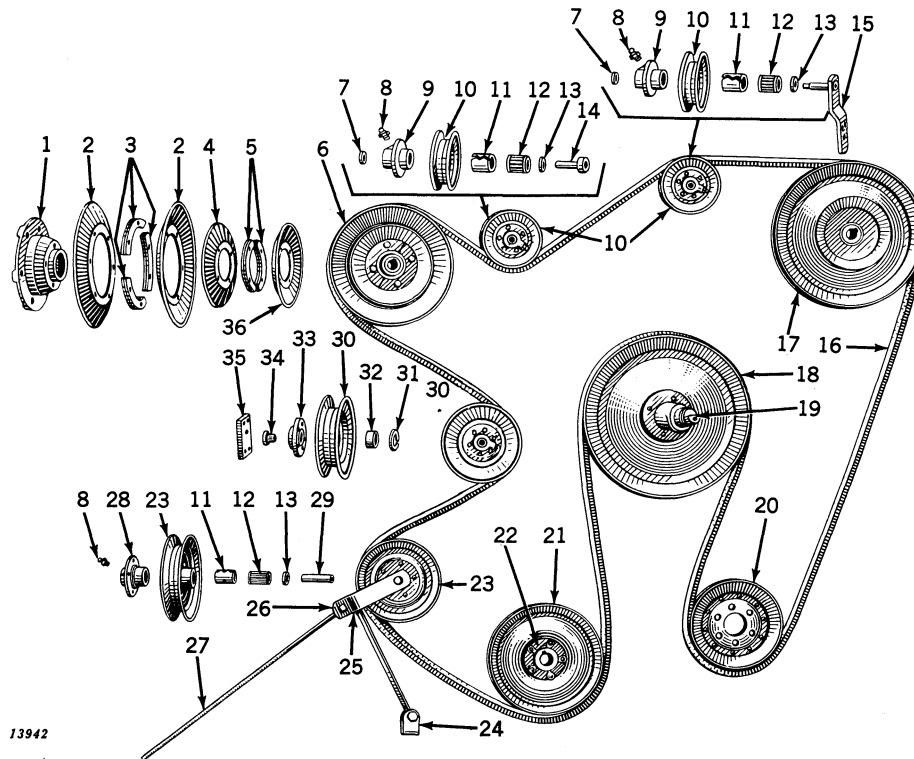
DRIVE CHAIN FOR FEED ROLLS



13941

Key	Part No.	Description	Key	Part No.	Description
1	AP 13968 H	Shield for Drive Chains	16	P 34015 H	Drive Sprocket on L.H. End of Drive Shaft (13 Teeth)
2	P 32064 H	Bracket, Upper	17	P 29361 H	Pin for End Link
3	P 32801 H	Brace for Idler Stud	18	P 20352 H	Offset End Link, 5/8" Pitch
4	P 3178 H	Sand Collar	19	P 20350 H	Chain Link, 5/8" Pitch
5	JD 7911 H	Roller Bearing (Hyatt No. 94540)	20	P 20351 H	Connecting Link, 5/8" Pitch
6	JD 7455 H	Sleeve for Bearing (Hyatt No. 4831)	21	P 21010 H	Snap Spring Washer
7	P 2989 H	Double Idler Sprocket	22	P 2984 H	Driven Sprocket on L.H. End of Lower Roll (30 Teeth)
8	24H 639 H	Washer on Stud (1-1/64" x 1-7/8")	23	AP 14470 H	Drive Chain for Upper feed Roll (56 Links, 5/8" Pitch) (Order 1 AP 6093 H, 2 P20350H, P20351H and 2 P20352H)
9	JD 7797	Fitting, Grease, Straight, 1/4" (Alemite No. 1641)	24	P 41853 H	Bracket, Lower, Rear
10	AP 13760 H	Stud for Idler	25	P 33487 H	Bracket, Lower, Front
11	P 2985 H	Driven Sprocket on L.H. End of Upper Roll (29 Teeth)	..	AP 6093 H	50 Links, 5/8" Pitch Roller Chain
12	P 32817 H	Tightener Bracket	..	AP 6094 H	25 Links, 5/8" Pitch Roller Chain
13	AJ 6142 H	Tightener Sprocket with Bearing	..	AP 6095 H	10 Links, 5/8" Pitch Roller Chain
14	J 1269 H	Tightener Sprocket (Order AJ6142H)	..	AP 17865 H	100 Ft., 5/8" Pitch Roller Chain
15	JD 7172 H	Ball Bearing (New Departure No. 88500)			
	AP 14471 H	Drive Chain for Lower Roll (136 Links, 5/8" Pitch) (Order 2 AP 6093 H, 1 AP 6094 H, 1 AP 6095 H and 1 P20352H)			

DRIVE FOR FEEDER, PLATFORM, REAR BEATER AND FAN

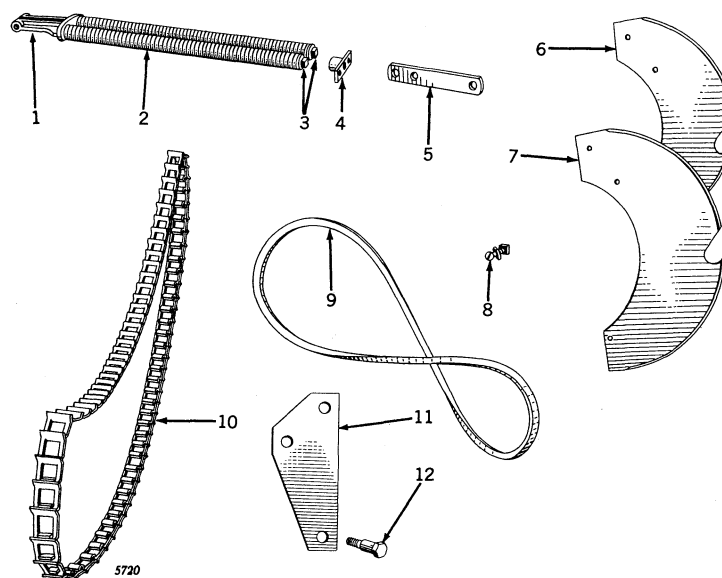


Key	Part No.	Description
1	PK 97 H	Hub for Adjustable Sheave on Beater
2	P 34420 H	Sheave Half on Beater (10-3/8" Dia.) (2 used)
3	P 34421 H	Shim for Beater (Large)
4	P 34418 H	Sheave Half, Inner on Beater (6-3/4" Dia.)
5	P 34419 H	Shim for Beater (Small)
6	AP 14882 H	Double Sheave on Beater (Adjustable) (6-3/4" and 10-3/8" Dias.)
7	24H 802 H	Washer for Upper Idler Sheave (15/32" x 1-1/2") (2 used)
8	JD 7759	Fitting, Straight, Grease, 1/8" (Alemite No. 1610A) (3 used)
9	P 2531 H	Hub for Upper Idler Sheave (2 used)
10	AP 11444 H	Upper Idler Sheave (5-1/8" Dia.) (2 used)
11	JD 8300 H	Sleeve for Bearing (Hyatt No. 4814) (3 used)
12	JD 7923 H	Roller Bearing (Hyatt No. 93224) (3 used)
13	P 28542 H	Retainer Washer (21/32" x 1-1/16", 3/16" Thick) (3 used)
14	P 33395 H	Stud for Upper Idler Sheave Rear
15	AP 13915 H	Bracket with Stud for Upper Idler Sheave Front
16	P 43013 H	Drive Belt (Double "V")
17	AP 13655 H	Driven Sheave for Feeder (6-7/16" and 12-1/4" Dias.)
18	AP 18229 H	Driven Sheave on Platform (14" Dia.)
19	PK 947 H	Eccentric Hub for Sheave on Platform Drive Roller
20	AP 17049 H	Drive Sheave on Gear Housing (7-7/8" Dia.) (Bolted to Hub)
21	AP 13574 H	Sheave on Fan Shaft (Regular) (9-5/8" Dia.)
	AP 13610 H	Sheave on Fan Shaft (Special) (11-3/4" Dia.)

DRIVE FOR FEEDER, PLATFORM, REAR BEATER AND FAN—Continued

Key	Part No.	Description
22	P 2945 H	Hub for Fan Driven Sheave
23	AP 17775 H	Tightener Sheave (7-1/8" Dia.)
24	P 2922 H	Bracket on Hitch Tube
25	AP 15168 H	Tightener Arm (11-13/16" Long)
26	H 4211 H	Pin (Drilled) (3/8" x 1-1/8")
27	P 43014 H	Adjusting Rod
28	P 2918 H	Hub for Tightener Sheave
29	P 35175 H	Stud for Tightener Sheave
30	AP 17774 H	Lower Idler Sheave (7-1/8" Dia.)
31	P 35533 H	Snap Ring for Ball Bearing
32	JD 7161 H	Ball Bearing (New Departure No. 88503)
33	P 2977 H	Hub for Lower Idler Sheave
34	P 30245 H	Stud for Lower Idler Sheave
35	P 33864 H	Stiffener Plate for Lower Idler Stud
36	AP 14753 H	Sheave, Half, Outer, on Beater (6-3/4" Dia.)

Double Platform Lifting Spring, Extension for Platform Lifting Arm and Lever, Fan Side Shutters, Cylinder Rasp-Bar Bolt, Tailings Elevator Drive Belt and Reel Drive Chain, Front for No. 12-A Combine Equipped with Feed Rolls



Key	Part No.	Description
1	P 2965 H	Bracket, Rear, for Spring
2	AP 13898 H	Lifting Spring for Platform (Complete with Rear Bracket and Nuts)
3	P 2936 H	Nut for Spring (2 used)
4	AP 12992 H	Bracket, Front, for Spring
5	P 33064 H	Extension for Platform Lifting Arm
6	P 33256 H	Side Shutter, L.H. for Fan
7	P 33255 H	Side Shutter, R.H. for Fan
8	AP 17108 H	Bolt with Nut and Lock Washer (Screwhead) (Used for Attaching Last Rasp-Bar on a 16-bar Cylinder) (3/8" x 1") (5 used)
9	P 32058 H	Drive Belt for Tailings Elevator (V-Type)
10	AP 15657 H	Drive Chain, Front, for Reel (186 Links, No. 32 Steel)
11	P 36340 H	Plate on Platform Lifting Lever, Rear
12	P 36341 H	Shoulder Bolt for Front End of Platform Lifting Rod (7/16" x 2-1/2")

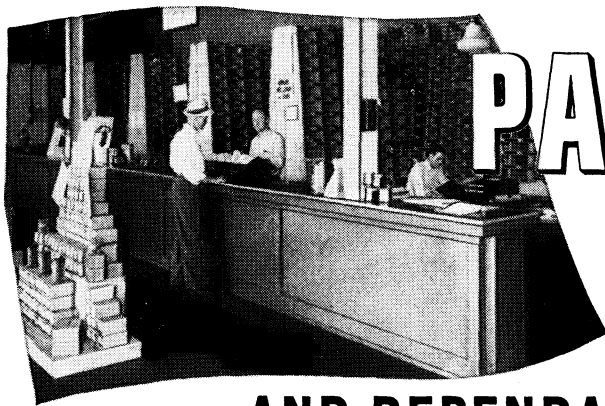
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WHEN you need new parts for your John Deere equipment, always *insist on genuine John Deere parts*. They are made from the same patterns, of the same high-quality materials as the original parts. They will save you money because they fit properly,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

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LAST LONGER, AND DUPLICATE ORIGINALS.
YOUR JOHN DEERE DEALER HAS TRAINED
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MEMORANDUM

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Farm Accidents Can Be Prevented *with Your Help*

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

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

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

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

NATIONAL SAFETY COUNCIL

