

INSTRUCTIONS AND REPAIR PARTS LIST

No. P-152

For Setting Up and Operating THE NEW IDEA ONE ROW CORN PICKER

For the Dealer and User



NEW IDEA

FARM EQUIPMENT COMPANY
COLDWATER, OHIO, U.S.A.

Read This Instruction

Save It For Reference

Setting Up Instructions

SHIPPING BUNDLES

- | | |
|-----------------------------|------------------------------------|
| 1 Main frame assembly | 1 Cleaning fan housing |
| 1 Hitch frame | 1 Bundle P. T. O. shield |
| 1 Ear elevator | 1 Bundle (2) flare boards |
| 1 Bundle shaft and coupling | 1 Bundle hitch and parts |
| 1 Bundle lever truss | 2 Disc wheels with (without) tires |
| 1 Outside wheel shield | |

With the crated picker resting on its skids, remove parts wired to the frame.

Bolt stub axle assemblies in place as shown in Figs. 3 and 4. If 24" Air Tired wheels are used put axles in center holes of plates, however if 20" Air Tired wheels are used put axles on lower set of holes.

If picker is to be operated closer to the ground place the axles in the next higher position.

Fill both wheel hubs with grease.

Bolt disc wheels to the hubs. Be sure to draw all bolts up tight. Use the special wrench furnished.

Next let two men take hold of the gathering unit frame work and rock the picker over forward on its wheels so that it stands in its natural position, then remove the skids. Hook wagon elevator throw out rod to pawl and attach rope to rod, Figs. 8 and 9.

Refer to Figs. 5, 6 and 7 and install cleaning fan as illustrated. Be sure to install the shield over the

drive belt.

Now by referring to Fig. 8 bolt the hitch in place and hook tension spring to hitch plate. This spring should be adjusted so Picker can be raised or lowered easily. The hitch is adjustable and can be set in several positions so that proper connection can be made to the tractor that is to be used. See page 7.

Bolt the lever truss, lever, lever sector and brace in place as shown. Be sure the sector and brace are placed on the outside of the "U" support on hitch. If picker hitch is set in the offset position the lever sector will have to be bolted in place in the reverse position from that shown so as to properly engage the lever. The main lever can be lengthened or shortened as the case may be so that it can be reached from the tractor seat.

Bolt the center power shaft bearing arch to the hitch and put the power shaft and telescope shaft in place as shown.



Fig. 3

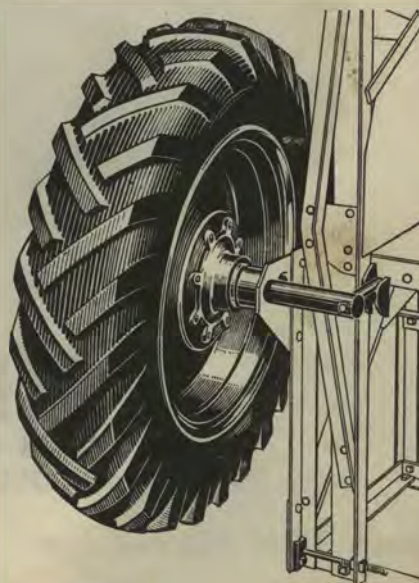


Fig. 4

A

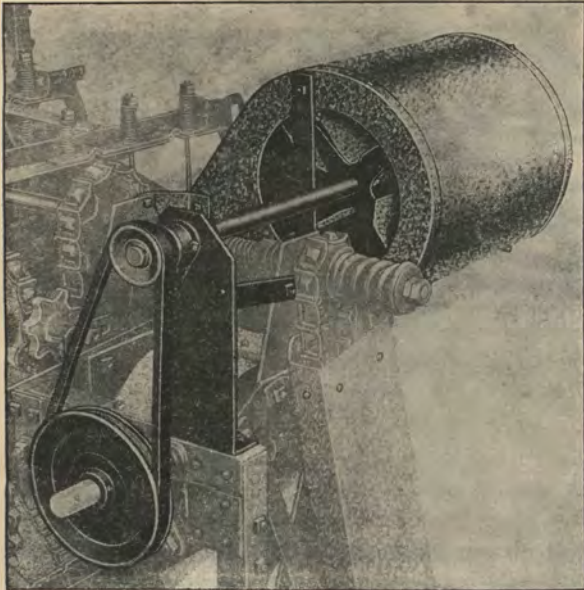


Fig. 5

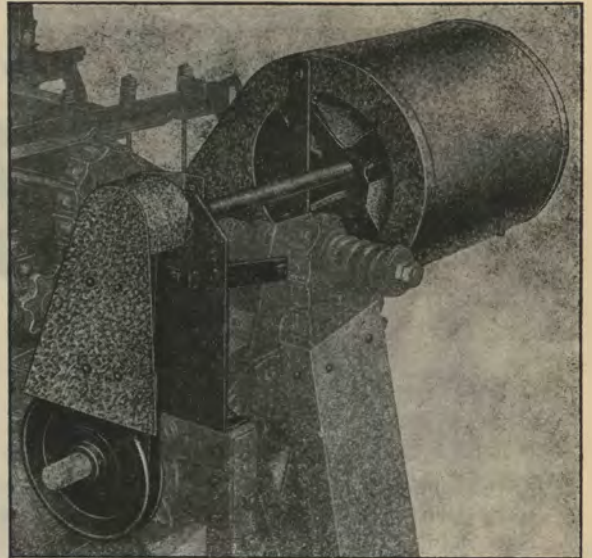


Fig. 6

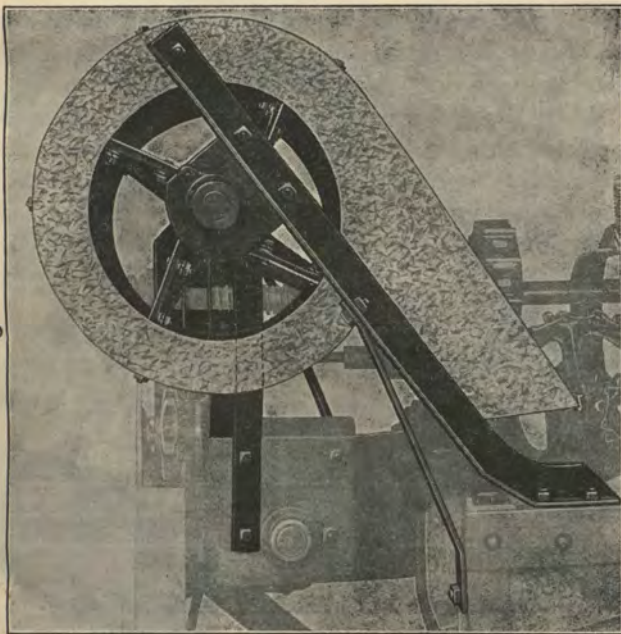


Fig. 7

Figs. 5, 6 and 7 illustrate how cleaning fan should be attached to machine. Be sure to draw all bolts up tight and install shield over drive belt.

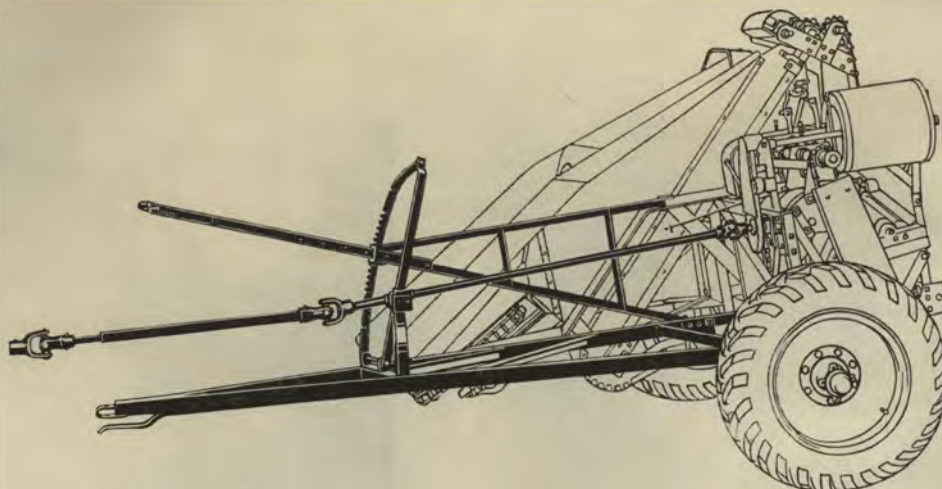


Fig. 8

Bolt the wagon elevator bail standard and tension rod in place, Fig. 9. **ALSO BOLT THE POWER SHAFT SHIELDS IN PLACE. THESE SHIELDS MUST ALWAYS BE IN PLACE WHEN PICKER IS IN OPERATION.**

Bolt tool box to rear hitch cross angle. See Fig. 10.

Bolt oil can holder to bolts supporting right rear end of power shaft shield. Oil gun holder is bolted to right wagon elevator bail standard. Fig. 10.

Attach wagon elevator clutch rod to right wagon elevator standard.

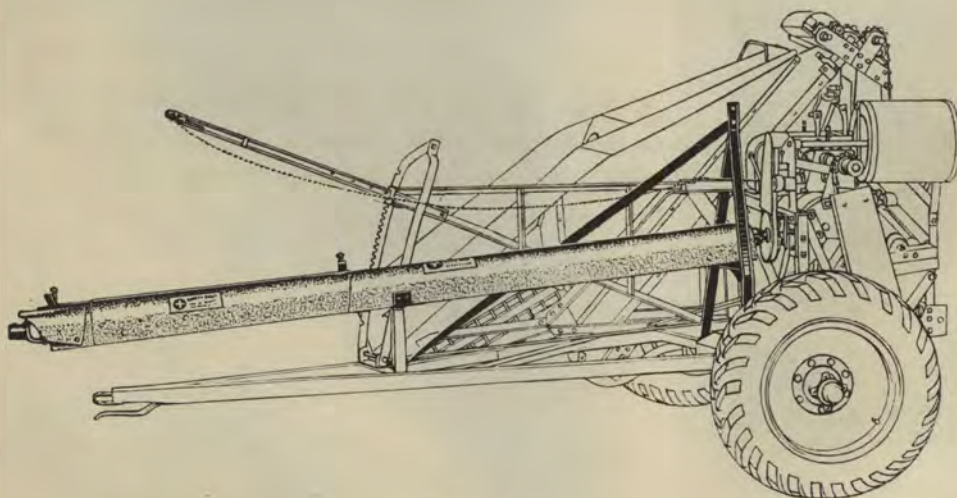


Fig. 9

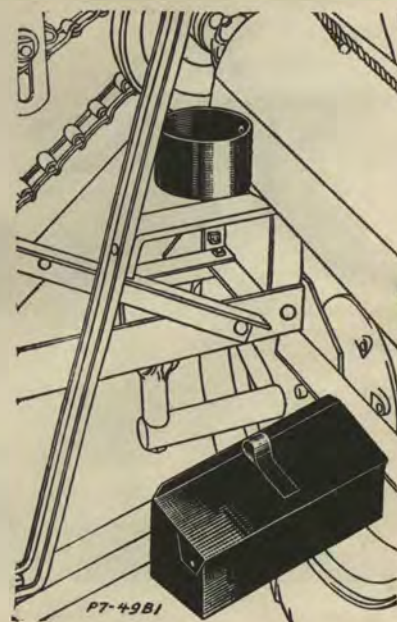


Fig. 10

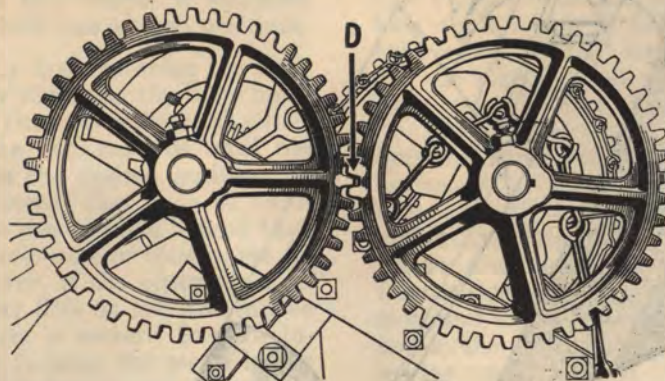


Fig. 11

Put the clearing drum gears in place. Keys for these gears will be found in the tool box. **BE SURE TO PUT THESE GEARS ON SO THAT THE MARKED TOOTH OF ONE GEAR MESHES BETWEEN THE TWO MARKED TEETH OF THE OTHER GEAR "D" Fig. 11. THESE TEETH ARE MARKED WITH A SMALL DOT AND ARE ALSO PAINTED YELLOW.** Draw set screws and lock nuts up tight. Bolt triangular shield for these gears in place.

Now unroll the first elevator conveyor back of the machine with smooth side of the bar backward and the chain on the floor. Take the first bar and place it on the drive sprocket tooth marked "**BAR**" and painted black. This times the bar with rotating clearing drum. Work the conveyor downward over the sloping elevator guides and around the bottom idler pipe and over chain slides and couple the conveyor.

Bolt the roller first elevator conveyor chain tighteners in place (Fig. 13) and adjust the conveyor so that it runs freely.

TURN THE CONVEYOR ONE COMPLETE ROUND BY HAND AND SEE THAT THE FLAP OF THE CLEARING DRUM CLEARS EACH PADDLE. If it does not clear, adjust the stop rods on the flap for proper clearance.

Put the first elevator upper drive sprocket and chain in place—key will be found in tool box—and adjust the chain tightener.

Attach the right wheel shield and the right and left floating points. Make sure that the shoes work freely, spread the spring cotters in the limit stops and see that bolt in "U" clamp is drawn up tight.

Remove wagon elevator drive chain shield. Then hook bail rod in upper bracket of wagon elevator and lift elevator in place, put drive chain on the sprocket and bolt left supporting bracket to frame, then attach bail rod to standard. Replace drive chain shield and bolt side brace rod in place.

Attach the wagon hitch as shown. The connection on the right end is to be used only when trailing wagons down a highway or lane. This sets wagon over so that it does not project beyond picker.

Now go over the entire machine to make sure that all bolts are drawn up tight and that cross pins where necessary have spring cotters. Also make sure that there are no bolts or tools around that might find their way into the mechanism. **THIS IS VERY IMPORTANT.**

Now take a pressure type oil gun and load it with pressure gun grease and lubricate all moving parts equipped with fittings. Read oiling instructions on pages 8 and 9.

Finally, before connecting to the tractor, set a wrench on the square telescope shaft and turn it enough to make sure that the machine is free.

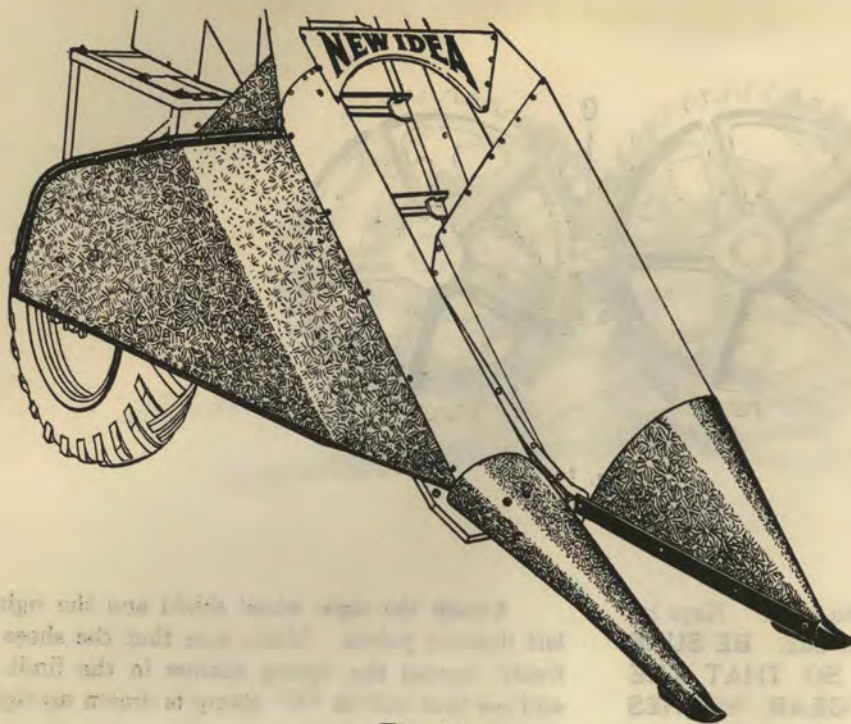


Fig. 12

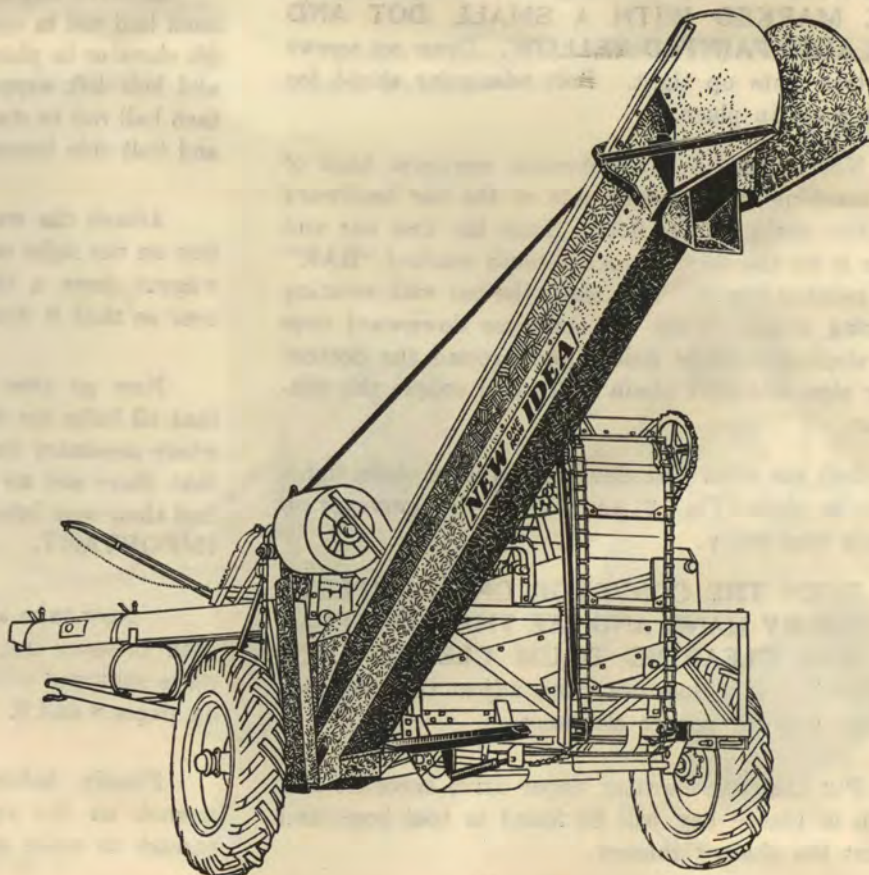


Fig. 13

Important Information Concerning Hitch and Telescope Shaft

The NEW IDEA One Row Picker is equipped with an adjustable hitch which has several positions.

The hitch is adjusted by first removing the lever from the sector and then by removing the bolts holding the hitch to the frame. Then move the hitch either forward or backward as the case may be until the front end of the hitch is in the desired position for proper connection to the tractor that is to be used. If the rear hole in right rear side of hitch is used then the front hole on the left rear side of hitch must be used or vice versa. However, if the center hole on right side is used then either hole on left side can be used. Then replace the lever in sector. In some instances it will be necessary to place the sector in the eversed position from that shown in order to properly engage the lever.

The hitch should always be adjusted so that the right tractor drive wheel will run as far from the standing corn as possible.

The NEW IDEA One Row Corn Picker has three universal joints in the power shaft line. The No. 1 FS which fits on the short main drive shaft at picker frame and the No. 2 between power shaft and telescope shaft are the same on all machines. The universal joint on the front end of the telescope shaft can be furnished in three styles as follows:— $1\frac{1}{8}$ " 6B spline; $1\frac{3}{8}$ " 6B spline; $1\frac{3}{4}$ " 6B spline. To determine what type should be ordered for the tractor that is to be used refer to "Power Take-Off Specifications" on page 16.

Two type of telescope shafts can be furnished.

The Farmall F-20 and F-30 tractors require a special long shaft which is $55\frac{1}{2}$ " long, overall and square tube which is $55\frac{1}{8}$ " long, overall. All other tractors use the regular shaft which is 39" long, overall and tube which is $40\frac{5}{8}$ " long, overall.

For proper turning and so as not to buckle the telescope shaft and tube it may in some instances be necessary to lengthen the tractor drawbar. The proper length can be determined as follows: Put the gathering points up fully, then with the tractor traveling and the power take-off shaft not turning, turn the tractor slowly as far to the right as you can. Then stop, and let the lever down, until the gathering points are on the ground. The telescope tubing should not hit the coupling by at least one inch. Now raise the points and repeat this same procedure and turn left slowly as far as you can. Let the points down and test for clearance as before. Some tractors have the least clearance on a short left turn, while others have the least on a right turn. Regardless of which is closest there should always be a space of about one inch between the tube and coupling, or something will break or bend. If there is not enough space then the draw bar will have to be lengthened so as to get desired results.

Also see that the telescoping portion of power shaft shield has plenty of clearance. In some instances it may be necessary to cut off a small portion of the front end of the upper shield and a small portion of rear end of the lower shield.

When the square shaft is slipped into the tube make sure that the forks of the universal joints are in line.

CAUTION

Make sure that all Power Shaft Shields are always in place when the picker is in operation.

NEVER LEAVE THE TRACTOR SEAT WITH THE POWER TAKE-OFF SHAFT IN MOTION.

DO NOT RIDE ON MACHINE.

Keep Hands and Clothing away from moving parts.

Never attempt to clean, oil or adjust the machine while it is in motion.

Power Shaft Shields

Fig. 9 illustrates the power shaft shields as furnished with the New Idea No. 7 corn picker. Always make sure that these shields are in place and proper connection made to tractor before starting to operate the machine.

If tractor is not equipped with the proper master shield or bracket it must be secured from the tractor manufacturer.

Do not under any circumstances connect a tractor to the picker until these shields are in place and then be sure to make the proper tractor connection.

After connections have been made drive the tractor forward and make short right and left hand turns and check to see that there is plenty of clearance between the telescoping members and shields so

they will not buckle. If they do not have sufficient clearance cut off a portion of the rear end of the lower shield and the front end of the upper shield.

Also check the telescope shaft to see it has the proper clearance.

Fig. 14 illustrates how Power Take-Off Shield is connected to a Farmall H or M tractor.

Fig. 15 illustrates connection to an Allis Chalmers WC or RC tractor. Fig. 16 shows it connected to a John Deere Model A tractor. Note that the front extension shield is not used on this tractor. Connections to other tractors are made in a similar manner. The corn picker should not be operated without these shields in place

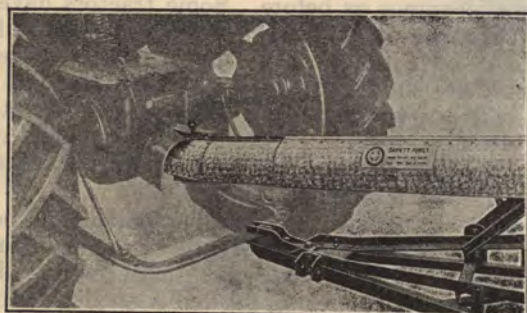


Fig. 14

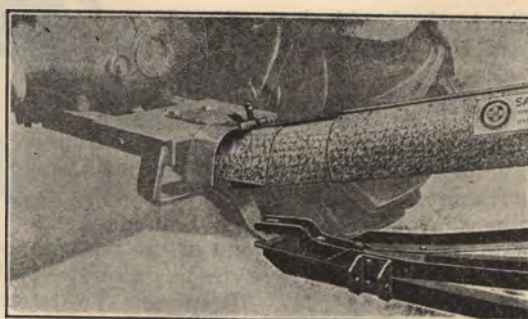


Fig. 15



Fig. 16

Machine Oiling (with oil can)

Occasional oiling should be done on the following parts:—

- All the bearing seats or hangers.
- The floating shoe hinges.
- Steel chain slides back of and below gathering chains.
- Chain slides of the first elevator.
- Bearings for flap on rotating drum of center elevator.
- All the chains.

Pressure Type Lubrication

When greasing the machine be sure to find all of the parts equipped with fittings. Oversight or carelessness may mean a burnt out bearing and a cut shaft, causing delays and unnecessary expense. The following list gives you the number and position of the pressure type fittings. Find every pressure type fitting on the list. Do a thorough systematic job of oiling. Use a good Pressure Gun Grease or an oil of such consistency that it can be barely poured into the pressure type gun. Make sure that the gun is actually delivering oil while you are pumping and that it is not air-bound. Hold the gun on the fittings

so that the oil really gets into the bearings and not on the outside of the fitting. Oil generously when the machine is new.

When the picker is well broken in—a generous oiling of all bearings and greasing of gears once every morning and afternoon before starting and the oiling every two hours of the more important bearings such as the snapping roll, husking roll, gathering chain and main shaft bearings is essential. A dab of good grease, preferably Graphite grease, put on the gears when standing still, will carry around to the entire gear when the machine is in operation.

Number and Position of Pressure Type Fittings

- | | |
|---|---|
| 3—Universal joints. | 2—Rear presser wheel bearings. |
| 1—Power shaft bearing on hitch. | 1—Corn saver drive shaft. |
| 1—Front fan shaft bearing | 1—Husk agitator. |
| 1—Fan belt idler. | 1—Husk agitator drive arm. |
| 2—Short power entry shaft. | 1—Husk conveyor drive shaft bearing. |
| 1—Corn saver drive shaft. | 2—Ear straightener bearings. |
| 1—Corn saver and husk conveyor main drive idler. | 2—Ear straightener cam follower bearings. |
| 2—Corn saver secondary drive shaft. | 2—First elevator drive shaft. |
| 1—Corn saver drive chain tightener. | 1—Right clearing drum. |
| 1—Husk conveyor drive shaft. | 1—Husk conveyor idler. |
| 2—Husk conveyor drive chain idler. | 1—Corn saver idler. |
| 1—Husking unit ratchet shaft. | 2—First elevator conveyor tighteners. |
| 2—Front presser wheel bearings. | 1—First elevator drive chain tightener. |
| 1—First elevator ratchet shaft chain tightener. | 1—Right clearing drum bearing. |
| 2—First elevator and wagon elevator shaft bearings. | 6—Upper husking roll bearings. |
| 1—Wagon elevator shifter fork. | 3—Husking unit cross shaft bearings. |
| 1—Long main shaft at bevel gears. | 1—First elevator ratchet shaft bearing. |
| 1—Center main shaft bearing. | 1—Husking unit ratchet shaft. |
| 1—Left clearing drum bearing. | 1—Corn saver idler. |
| 1—First elevator idler bearing. | 1—Husk conveyor idler shaft. |
| 3—Inside gathering chain drive shaft bearings. | 1—Long main shaft bearing. |
| 2—Inside gathering chain idlers. | 2—Upper snapping roll bearings. |
| 1—Inside snapping roll lower bearing. | 2—Gathering chain ratchet shafts. |
| 1—Left ground wheel. | 3—Long gathering chain drive bearing. |
| 1—Rear fan shaft bearing. | 1—Right ground wheel |
| 6—Lower husking roll bearings. | 1—Long gathering chain idler |
| 1—Wagon elevator drive chain idler. | 1—Outside snapping roll lower bearing. |
| 2—Wagon elevator lower bearings. | 1—First elevator idler shaft. |
| 12—Presser wheel arms. | 2—Upper end of wagon elevator. |

Cutting Wagon Tongue

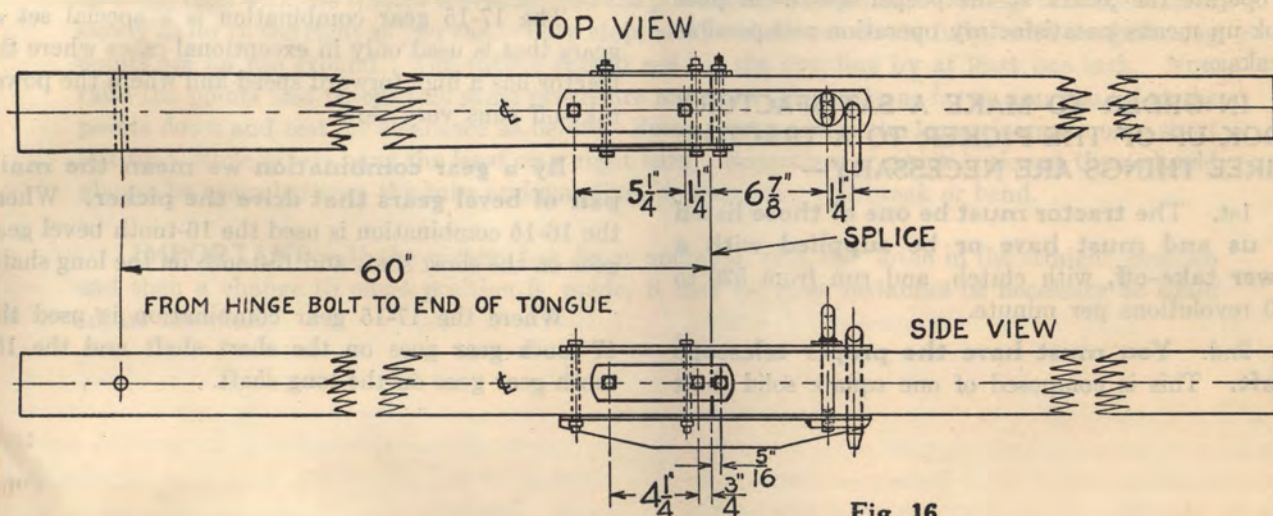


Fig. 16

The NEW IDEA No. 7 One Row Picker is equipped with a rear elevator and wagon is pulled back of the picker, this may necessitate cutting wagon tongues. Fig. 16 illustrates a method of cutting tongues and attaching wagon hitch irons. It also shows how tongue can again be coupled up for use with horses. Irons can be purchased at slight additional cost.

THE HOOK-UP OF The NEW IDEA PICKER to the TRACTOR

The transmission of power from the tractor to the NEW IDEA One Row Corn Picker is a rather simple arrangement. Likewise the adaptation of the picker and its power transmission to the different tractors listed is very simple. All of this has been worked out in a very flexible and common sense way, and it is only necessary for the person making the connections of the picker to the respective tractor to use a little additional common knowledge to make satisfactory hook-ups with the different tractors. **Study the following instructions carefully** (not merely read them) **so as to be able to make the proper hook-up for the different tractors.**

A hook-up means the **proper connections of the power shaft and power shaft shield** to operate the picker; the **proper length telescope** for operating and turning around in the field; the **proper gearing** to operate the picker at the proper speed. A poor hook-up means unsatisfactory operation and possible breakage.

IN ORDER TO MAKE A SATISFACTORY HOOK-UP OF THE PICKER TO A TRACTOR, THREE THINGS ARE NECESSARY—

1st. **The tractor must be one of those listed by us and must have or be supplied with a power take-off, with clutch, and run from 520 to 550 revolutions per minute.**

2nd. **You must have the proper telescope shaft.** This is composed of one square solid shaft

and one square tube which telescope over each other and allow for the ordinary variation of length when turning. On each of these square shafts is a flexible coupling or joint. One end fits onto the picker shaft and the other end onto the power take-off shaft on the tractor. We have two sets of telescope shafts; one for Farmall F20 and F30 tractors, which is about 64" long when closed; and one for all other tractors, which is about 50" long. You understand, therefore, that **when you connect our picker to a Farmall F20 and F30 tractor the long telescope shaft is used. For most other tractors the shorter telescope shaft is used.**

3rd. **You must have the proper gear ratio in the picker.** We have two sets of gearing, one being a 16-15 and the other a 17-15; the 16-15 being used in nearly all instances.

The 17-15 gear combination is a special set of gears that is used only in exceptional cases where the tractor has a high forward speed and where the power take-off runs very slow.

By a gear combination we mean the main pair of bevel gears that drive the picker. Where the 16-15 combination is used the 16-tooth bevel gear goes on the short shaft and 15-tooth on the long shaft.

Where the 17-15 gear combination is used the 17-tooth gear goes on the short shaft and the 15-tooth gear goes on the long shaft.

Telescope Shaft Assembly

When ordering a complete telescope assembly be sure to specify the make and model of the tractor, and when you get the assembly, if your tractor is not a Farmall F20 or F30 follow the important instructions below:

The Universal Joint, which couples to the tractor can be furnished in three styles— $1\frac{1}{8}$ " 6 spline; $1\frac{3}{8}$ " 6 spline; $1\frac{3}{4}$ " 6 spline.

To determine what type and size universal joint is required for various tractors refer to "Power take-off specifications" on page 16.

For most Tractors, the square shaft and joint is 39" long, and the square tube and joint is $40\frac{5}{8}$ " long.

For the Farmall F20 and F30 tractors the square shaft and joint is $55\frac{1}{2}$ " long, and the square tube and joint is $55\frac{1}{8}$ " long.

In some instances it may be necessary to lengthen the tractor drawbar so as to use the short telescope assembly. You can determine the proper length as follows: Put the gathering points up fully, then with the tractor traveling, and the power take-off shaft not turning, turn the tractor slowly as far to the right as you can. Then stop, and let the lever down fully, until the gathering points are on the ground. The tubing should not hit the coupling by at least one inch. Now raise the points and repeat this same procedure and turn left slowly as far as you can. Let the points down and test for clearance as before. Some tractors have the least clearance on a short left turn, while others have the least on a right turn. Regardless of which is closest there should always be space between the tube and coupling, or something will break or bend.

IMPORTANT:—If the picker has been operated with the hitch in the straight position and then a change to offset position is made, it may in some instances be necessary to again adjust drawbar.

Starting the Machine

Operate the picker from the power take-off, with the tractor standing still, **first slowly** and then if everything runs properly gradually bring it up to full speed.

Now stop the machinery by throwing the power

shaft out of gear. Pull the picker around with the tractor making sharp right and left turns **SLOWLY** and **watch** that the telescope shaft and telescoping power shaft shield have ample room to telescope into each other at the closest turns both right and left.

How to Operate Picker

The machine is operated by driving the tractor alongside the row of corn to be picked. Always drive the tractor in **low gear** unless corn is very light, say not over 40 to 50 bushels per acre, where the tractor can be run in second gear, if tractor has a second gear. **Never run in high gear.**

Having arrived at the beginning of the row that is to be picked, stop the travel of the tractor, keeping the engine running. Set the lever on the hitch frame so that the floating gathering shoes or points merely touch or sweep over the ground. Watch that the rear parts of the gathering shoes are not forced tight upon the ground. Too low a setting will cause unnecessary wear at the bottom of the gathering shoes and cause the points of the gathering shoes to stick up and then these points will not get underneath the down stalks. Depress the clutch and engage the power take-off lever, then shift the tractor in low gear, next let the clutch in easily and drive the tractor along the rows with the motor running at full speed watching that the picker advances centrally on the corn row.

The power take-off shaft should run between the speed of 520 and 550 revolutions per minute. Make sure that this speed is maintained.

If the picker should choke or clog, which it will sometimes do in extreme down corn or for other reasons, remove the congestion. Sometimes this can be done by stopping the forward motion of the tractor and by running the machinery. Sometimes the ma-

chinery must be stopped and the congestion removed. **Never under any circumstances get off the tractor seat with the power take-off and machinery in motion to clean out the machine by hand.** The gathering chains, wagon elevator, husking rolls and center elevator have ratchet drives and in case anything gets caught in them these ratchets will slip. When you hear a ratchet slipping, stop the travel of the tractor and machinery and remove the obstacle. If these ratchets slip from no apparent reason, they may not have enough tension, in which case the tension should be increased on the spring.

When you have arrived at the end of the row just picked, declutch your tractor, set power shaft out of gear, raise the gathering shoes by raising picker lever, then drive to the next row which you want to pick. Steer into the row to be picked, then stop and repeat the operation as before.

Never make turns with the power shaft running, or turn shorter than the hitch or coupling will permit. When running the power shaft while turning a pounding noise results and with short turn tractors, such as the row crop type, there is danger of breaking the hitch and the power shaft.

Never back with the picker in operation or turn the machinery backwards by hand. In case that backing is absolutely necessary, be sure to set the power shaft out of gear and then back straight backwards. Sharp turning in backing is likely to strain the hitch and power shafts.

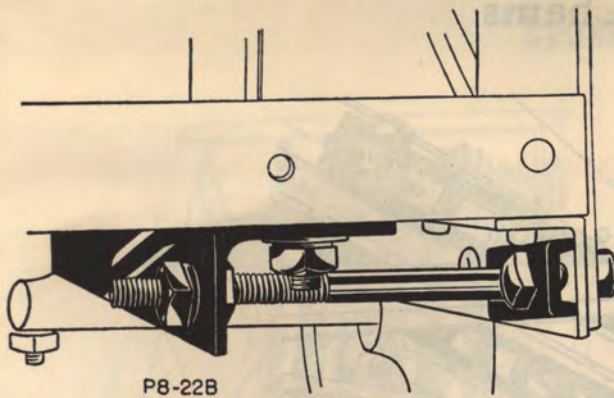


Fig. 18

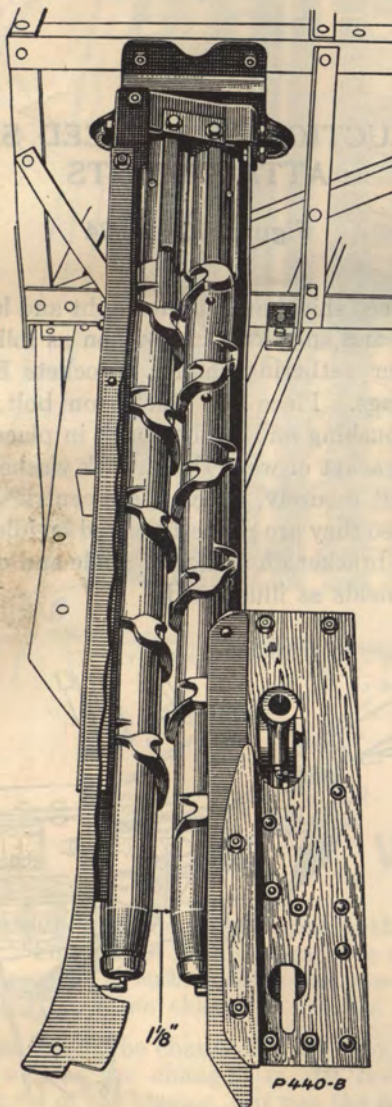


Fig. 19

Adjustments

The picker has few adjustments and they are very simple.

SNAPPING ROLLS

The snapping rolls can be set closer together, or further apart by adjusting the tie bolt, which is found under the rear angle frame member, and shown in Fig. 18. First loosen the bolt holding the snapping roll angle to the frame, then turn the nuts on the tie bolt forward or backward until the proper change is made. Always lock both nuts tight against the angle and then when the adjustment is complete, tighten securely the bolt which holds the angle to the frame member. **This is important.** For average conditions the distance between the snapping rolls at the bottom just above the taper should be 1-1/8 in. See Fig. 19. For unusually dry conditions the snapping rolls should be opened up further at the bottom. If the snapping rolls are set closer than 1-1/8 in. they are very apt to run tight together at the top and pound. Furthermore, if the snapping rolls are set entirely too far apart then some ears with tough shanks (ropes) may stick between the upper ends of the rolls.

The snapping rolls are properly timed at the factory. If for some reason they get out of time or are being replaced make sure that they are put in so the spirals feed the stalks upwards and that the breaker bars at the upper end run together, also that the lobes of one roll run centrally between the lobes of the mating roll. See Fig. 19.

The Floating Shoe adjustment is controlled by the reversable "U" clamp "C" Fig. 21. A closer adjustment can be had by adding washers between clamp and support. The shoes should be adjusted so that the points merely touch or sweep over the ground.

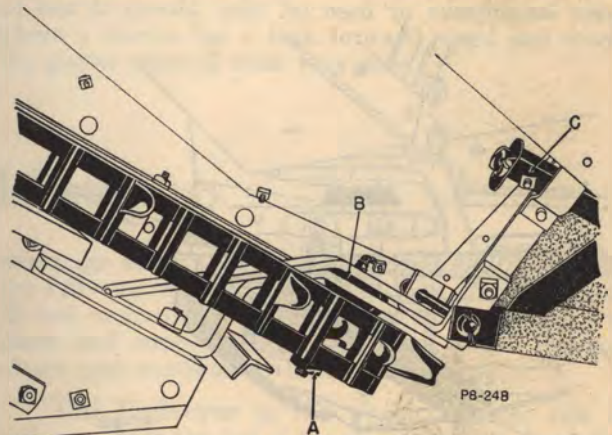


Fig. 21

Gathering Chains

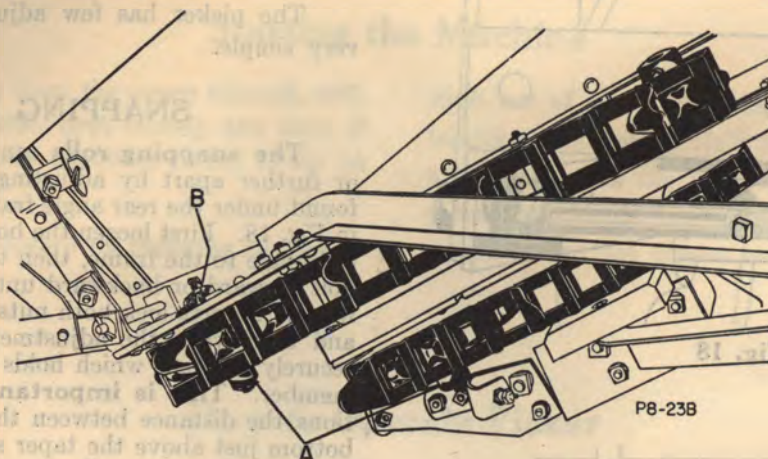


Fig. 20

Gathering Chains should be adjusted from time to time if they get entirely too loose. This can be done by loosening the lower idler sprocket bolts and moving the sprockets until the chains have the proper tension. Then again tighten bolts "A" Figs. 20 and 21. The gathering chains should not be tight. When properly adjusted the chain should be loose enough so that the end of the finger of the attachment can be bent backward 1-1/2 in. Oil the gathering chains and the face of the steel chain slides. Oiling these parts prolongs their life.

Changing position of gathering chain idler sprockets. The machines are regularly shipped with the gathering chain idler sprockets set out. When picking small and down corn it is advisable to move the sprockets together. This can be done by turning malleable eccentric clamp E42 and E44 a quarter or a half turn according to conditions, "B" Figs. 20 and 21.

INSTRUCTIONS FOR WEED SHIELD ATTACHMENTS

Figures 23 and 24

The weed shield and cup for right and left gathering chains and sprockets are put on as follows: Remove upper gathering chains, sprockets E-68, E-58 and bushings. Place cup shields on bolt, then put sprocket, bushing and washer back in place, followed by front bracket of weed shield, lock washer and nut. Tighten nut securely, check the eccentric clamps on top of cup so they are properly seated on idler bracket. Bolt lower bracket on to side of angle and on top side of weed shields as illustrated.

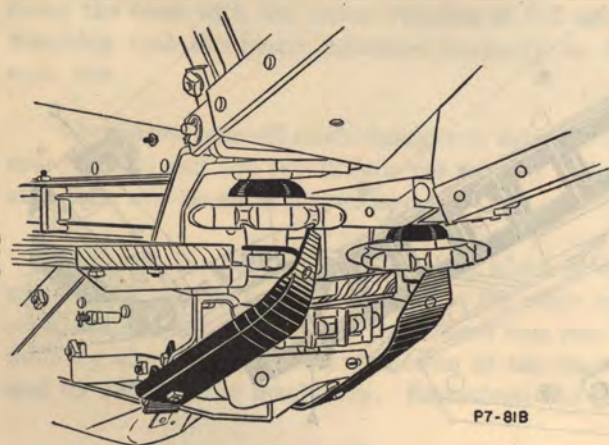


Fig. 23

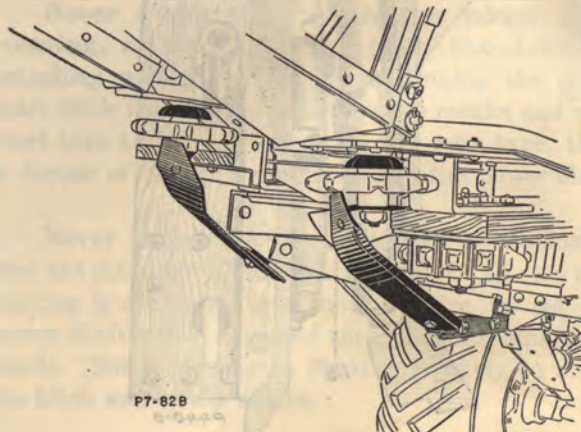


Fig. 24

Husking Rolls

The **Husking Rolls** are properly timed at the factory so that they run groove to groove or smooth on smooth of the mating and adjoining roll. The spirals should run together.

The **spring tension** for the bottom husking rolls is adjusted at the factory, but can be regulated by adjusting the nuts on the threaded rods at the rear of the picker for the upper and lower hangers "A". Fig. 22.

PRESSER WHEELS

The **Presser Wheels** are easily adjusted by simply turning the two adjusting crank screws. The purpose of these crank screws is to regulate the distance between the presser wheels and the husking rolls and to afford the proper pressure. For corn which has the husk on very tight the crank screws should be set so that the wheels run close to the rolls. However, if the pressure is too great the action will be rather severe and cause unnecessary shelling. In heavy corn the presser wheels require more clearance between the paddles and the rolls. Never let the presser wheels come too close to the rolls as they might catch or break. If for some reason it is desired to run one of the wheels higher or lower than the others it can be adjusted by loosening or tightening the nuts on the limit stops.

TAKING UP END PLAY

In case the main shaft or power shaft gets too much end play it can be taken up by placing shims between the cast iron wearing rings E-126, E-335 and the steel bearing plates. Some of these shims will be found in the tool box.

A special 17-15 gear combination can be furnished but it should only be used in exceptional cases where a tractor has a high forward speed and where the power take-off runs very slow.

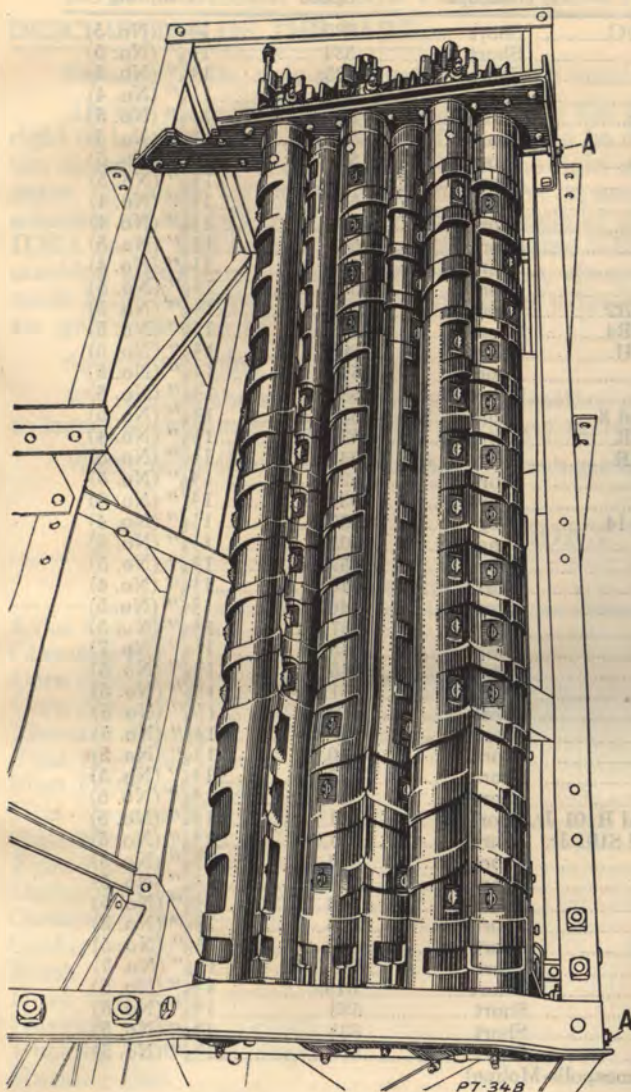


Fig. 22

Wagon Elevator

The wagon elevator is equipped with a throw-out clutch. This clutch should always be disengaged when turning at the ends (unless the power take-off is disengaged) or when changing wagons.

Wagons should be changed in the row or on the ends. If wagons are changed in the row stop the forward travel of the tractor, but run the power take-off so as to clean all the corn out of the picker. Then

disengage the wagon elevator clutch and disconnect the full wagon, and continue to pick corn for about 25 feet or until the empty wagon can be pulled into place and coupled up, engage the wagon elevator clutch and continue to pick corn.

The **Conveyor** in the wagon elevator can be tightened near the top of the elevator when the chains get too loose.

Telescope Shaft Specifications for New Idea One Row Corn Picker

Name of Tractor	Model	Telescope	Power Take-Off Speed	Universal Coupling
Allis Chalmers.....	U and UC.....	Short.....	530.....	1 $\frac{3}{8}$ " (No. 5)
Allis Chalmers.....	WC.....	Short.....	534.....	1 $\frac{3}{8}$ " (No. 5)
Allis Chalmers.....	RC.....	Short.....	535.....	1 $\frac{3}{8}$ " (No. 5)
Allis Chalmers.....	C.....	Short.....	600.....	1 $\frac{1}{8}$ " (No. 4)
Avery.....	Ro-Trak.....	Short.....	550.....	1 $\frac{3}{8}$ " (No. 5)
Case.....	C Series.....	Short.....	535.....	1 $\frac{3}{8}$ " (No. 5)
Case.....	D Series.....	Short.....	535.....	1 $\frac{3}{8}$ " (No. 5)
Case.....	LA.....	Short.....	550.....	1 $\frac{3}{8}$ " (No. 5)
Case.....	R Series.....	Short.....	543.....	1 $\frac{1}{8}$ " (No. 4)
Case To Serial No. 4,706,368.....	S Series.....	Short.....	541.....	1 $\frac{1}{8}$ " (No. 4)
Case From Serial No. 4,706,368.....	S Series.....	Short.....	541.....	1 $\frac{3}{8}$ " (No. 5)
Case.....	V Series.....	Short.....	556.....	1 $\frac{1}{8}$ " (No. 4)
Caterpillar.....	22.....	Short.....	536.....	1 $\frac{3}{8}$ " (No. 5)
Caterpillar.....	D2 and R2.....	Short.....	548.....	1 $\frac{3}{8}$ " (No. 5)
Caterpillar.....	D4 and R4.....	Short.....	545.....	1 $\frac{3}{8}$ " (No. 5)
Cletrac.....	E and EH.....	Short.....	595.....	1 $\frac{3}{8}$ " (No. 5)
Cletrac.....	25.....	Short.....	542.....	1 $\frac{3}{8}$ " (No. 5)
Co-Op.....	No. 1.....	Short.....	535.....	1 $\frac{3}{8}$ " (No. 5)
Co-Op.....	No. 2 and 3.....	Short.....	535.....	1 $\frac{3}{8}$ " (No. 5)
John Deere to 1940.....	A and AR.....	Short.....	536.....	1 $\frac{1}{8}$ " (No. 4)
John Deere after 1939.....	A and AR.....	Short.....	546.....	1 $\frac{3}{8}$ " (No. 5)
John Deere.....	D.....	Short.....	526.....	1 $\frac{3}{8}$ " (No. 5)
John Deere.....	G.....	Short.....	532.....	1 $\frac{3}{4}$ " (No. 6)
Farmall.....	F12 and 14.....	Long.....	550.....	1 $\frac{1}{8}$ " (No. 4)
Farmall.....	F20.....	Long.....	505.....	1 $\frac{1}{8}$ " (No. 4)
Farmall.....	F30.....	Long.....	557.....	1 $\frac{3}{8}$ " (No. 5)
Farmall To Serial No. FBH 118,000.....	H.....	Short.....	540.....	1 $\frac{1}{8}$ " (No. 4)
Farmall From Serial No. FBH 118,000.....	H.....	Short.....	540.....	1 $\frac{3}{8}$ " (No. 5)
Farmall.....	M.....	Short.....	537.....	1 $\frac{3}{8}$ " (No. 5)
Ford Before 1944.....		Long.....	545.....	1 $\frac{1}{8}$ " (No. 7)
Ford After 1943 when equipped with standardized parts.....		Short.....	545.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	30 Series.....	Short.....	551.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	44 Series.....	Short.....	534.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	12.....	Short.....	550.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	P. H.....	Short.....	530.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	25.....	Short.....	545.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	C. H.....	Short.....	530.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	R101 and R101 Jr.....	Short.....	551.....	1 $\frac{3}{8}$ " (No. 5)
Massey Harris.....	S101 and S101 Jr.....	Short.....	551.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	M.....	Short.....	546.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	J.....	Short.....	570.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	KTA.....	Short.....	546.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	FTA.....	Short.....	526.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	R Series.....	Short.....	560.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	U Series.....	Short.....	575.....	1 $\frac{3}{8}$ " (No. 5)
Minneapolis-Moline.....	Z Series.....	Short.....	615.....	1 $\frac{3}{8}$ " (No. 5)
Oliver.....	60 Series.....	Short.....	533.....	1 $\frac{3}{8}$ " (No. 5)
Oliver.....	70.....	Short.....	538.....	1 $\frac{3}{8}$ " (No. 5)
Oliver.....	80.....	Short.....	577.....	1 $\frac{3}{8}$ " (No. 5)
Twin City.....	(See Minneapolis-Moline)			

The above list covers most of the tractors that are adaptable for operation with the New Idea Corn Picker. If your tractor is not listed give us the name and model and we will advise if it is adaptable.

Also some of the tractors listed do not conform to the new A. S. A. E. standards for the Power Take-Off and Drawbar. If your tractor is one of these it is suggested that you secure from the tractor manufacturer the necessary bundle of conversion parts for the Power Take-Off and Drawbar to bring it up to standard. If these parts are installed it will make a more satis-

factory hook up for the Picker and any other Power Take-Off driven implement.

For the list of the parts needed for this conversion you can secure from The American Society of Agricultural Engineers, at St. Joseph, Michigan, Bulletin No. 44 listing the various bundles necessary to make the change. You can also obtain this information from your implement dealer, the tractor manufacturer or if you write to the Service Department of New Idea Farm Equipment Co. at Coldwater, Ohio, giving the make, model and serial number of your tractor.

NEVER OPERATE THE PICKER WITH THE POWER TAKE-OFF SHIELDS REMOVED

REPAIR PARTS LIST

The following pages contain parts list and illustrations of "exploded" views of the various units so the part wanted may be easily located.

DO NOT ORDER REPAIR PARTS FROM ILLUSTRATIONS ONLY; ALSO REFER TO THE DESCRIPTION OF THE PART.

Standard bolts, nuts and rivets having no number, should be ordered by size.

Always order repairs by number and give the description of the part, where used and whether it is a right or left hand part. Right or left parts can be determined by standing back of the machine looking in the direction of travel and then parts on the right are right hand parts and those on the left are left hand parts. Also give lot and serial number. The lot and serial number will be found stamped on a metal plate attached to the left front corner upright angle of the main frame. Always order repairs from the NEW IDEA dealer and be assured of getting genuine NEW IDEA repairs. In order to keep your NEW IDEA machine performing at its highest efficiency, always insist on genuine repairs. NEW IDEA repairs are made from the same patterns and are of the same high quality and workmanship as the original part and are guaranteed to fit.

Specify shipping instructions.

We reserve the right to change specifications or design at any time without incurring the obligation to install such changes on machine previously manufactured.

Where more than one part is used (in each group) it is so indicated in the description of the part.

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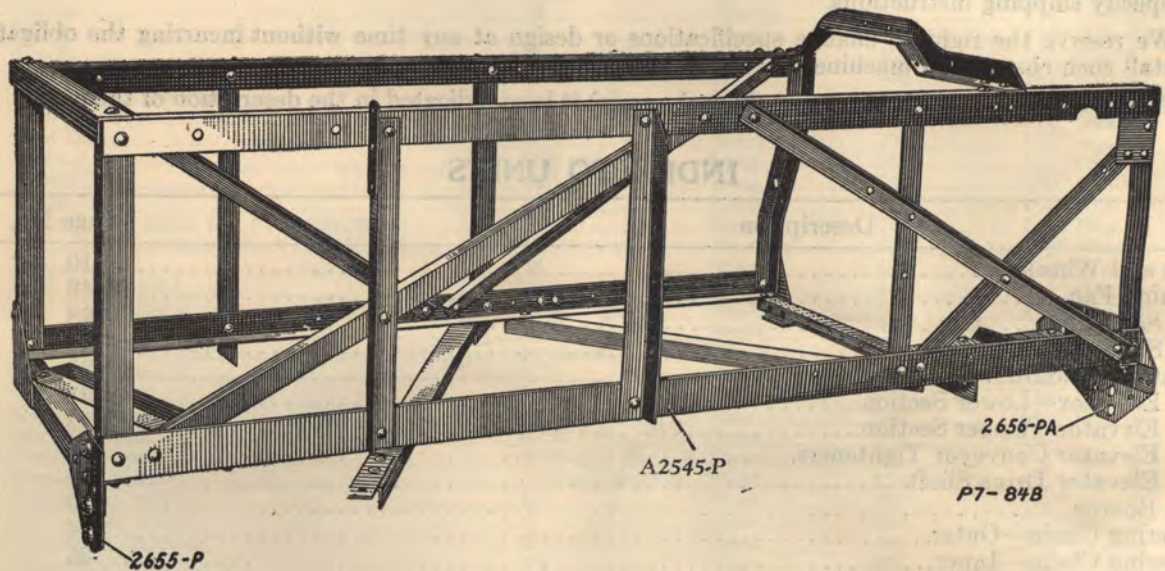
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MAIN FRAME



	Part No.	Description	Wt. Lbs.
.....	2335 P	Wagon hitch bracket on main frame, 1/4 x 5" flat, 5-3/4" long. Not illustrated.....	2
.....	A2545 P	Main frame complete.....	
.....	2655 P	Gusset plate for stub axle right, 3/16 x 10" flat, 7-3/4" long.....	4-1/4
.....	2656 PA	Gusset plate for stub axle, left, 3/16 x 10" flat, 16-3/8" long.....	8-1/2

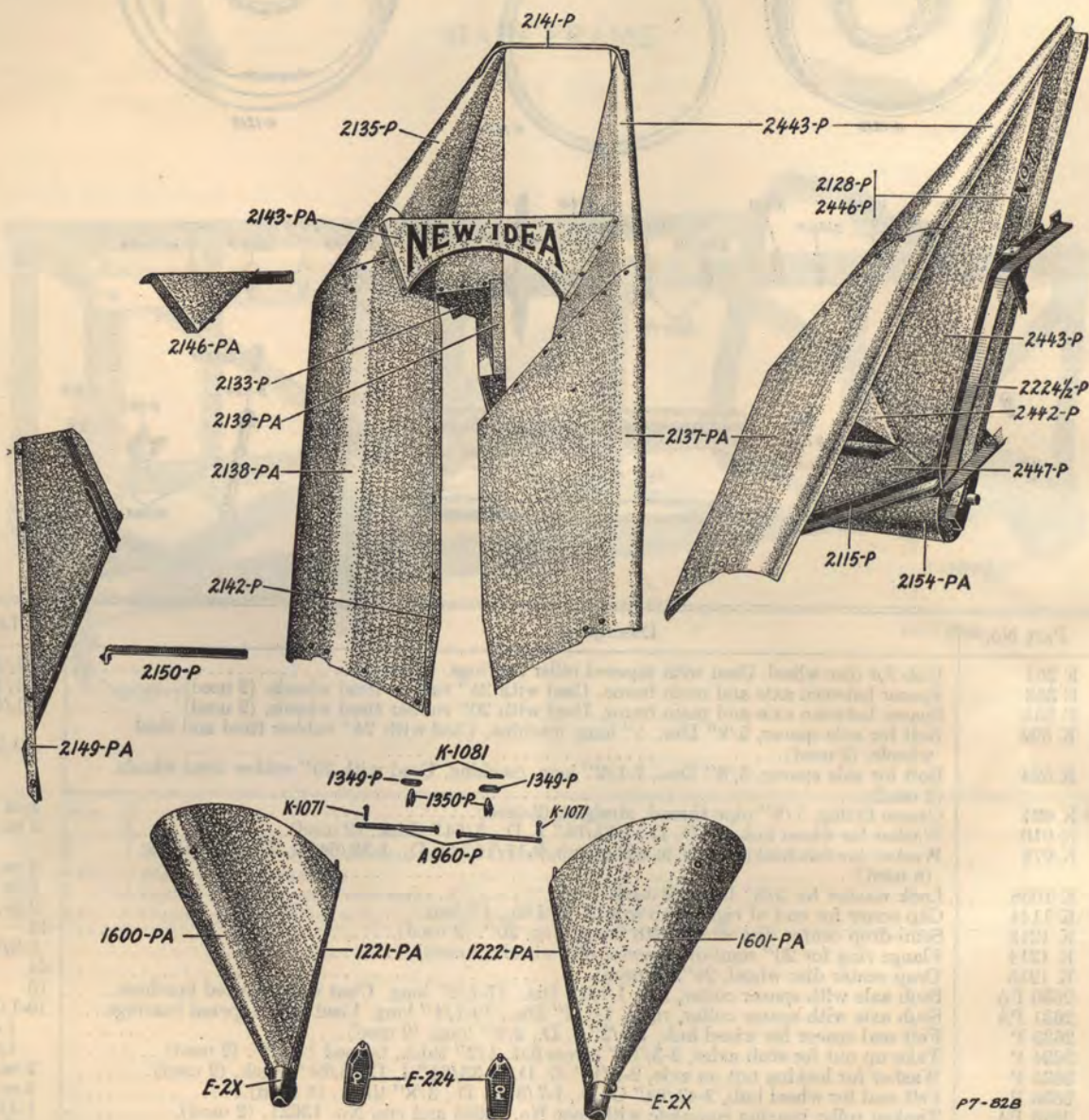
GATHERING UNIT



Part No.	Description	Wt. Lbs
E 361	Hub for disc wheel. Used with tapered roller bearings. (2 used).....	18-1/2
E 363	Spacer between axle and main frame. Used with 24" rubber tired wheels. (2 used).....	1-1/4
E 364	Spacer between axle and main frame. Used with 20" rubber tired wheels. (2 used).....	2-1/4
K 522	Bolt for axle spacer, 5/8" Dia., 5" long, machine. Used with 24" rubber tired and steel wheels. (2 used).....	1/2
K 524	Bolt for axle spacer, 5/8" Dia., 7-1/2" long, machine. Used with 20" rubber tired wheels. (2 used).....	1
K 621	Grease fitting, 1/8" pipe thread, straight. (2 used).....	1 oz.
K 910	Washer for wheel hub, 2" O. D., 1-33/64" I. D., 5/64" thick. (2 used).....	2 oz.
K 978	Washer for felt seal retainer in wheel hub, 2-11/16" O. D., 1-33/64" I. D., 1/8" thick. (8 used).....	3 oz.
K 1038	Lock washer for 5/8" bolt. (2 used).....	1 oz.
K 1144	Cap screw for end of right stub axle, 1/2" Dia., 1" long.....	2 oz.
K 1213	Semi-drop center disc wheel with flange ring, 20". (2 used).....	42
K 1214	Flange ring for 20" semi-drop center disc wheel. (2 used).....	6-3/4
K 1215	Drop center disc wheel, 24". (2 used).....	44
2630 PA	Stub axle with spacer collar, left, 1-1/2" Dia., 17-1/2" long. Used with tapered bearings.....	10
2631 PA	Stub axle with spacer collar, right, 1-1/2" Dia., 19-1/4" long. Used with tapered bearings.....	10-1/2
2633 P	Felt seal spacer for wheel hub, 1-1/2" I. D., 3/8" long. (2 used).....	1/4
2634 P	Take up nut for stub axles, 2-3/16" across flat, 1/2" thick, tapped 1-1/2". (2 used).....	1/4
2635 P	Washer for locking nut on axle, 2-9/16" O. D., 1-33/64" I. D., 5/64" thick. (2 used).....	2 oz.
2636 P	Felt seal for wheel hub, 2-47/64" O. D., 1-7/8" I. D., 3/8" thick. (4 used).....	3 oz.
2646 PA	Timken roller bearing complete with cone No. 13685 and cup No. 13621. (2 used).....	1-1/4
2646 PB	Timken roller bearing cone No. 13685. (2 used).....	3/4
2646 PC	Timken roller bearing cup No. 13621. (2 used).....	1/2
2923 PA	Wheel hub and axle assembly, right.....	31
2924 PA	Wheel hub and axle assembly, left.....	30
1078 S	Hub bolt for disc wheel, 9/16" Dia., 1-1/4" long. (16 used).....	1/4
1303 S	Socket wrench for disc wheel hub bolt. Not illustrated.....	1/2
0173 WC	Handle for hub bolt socket wrench. Not illustrated.....	1 oz.

AXLES AND WHEELS

GATHERING UNIT

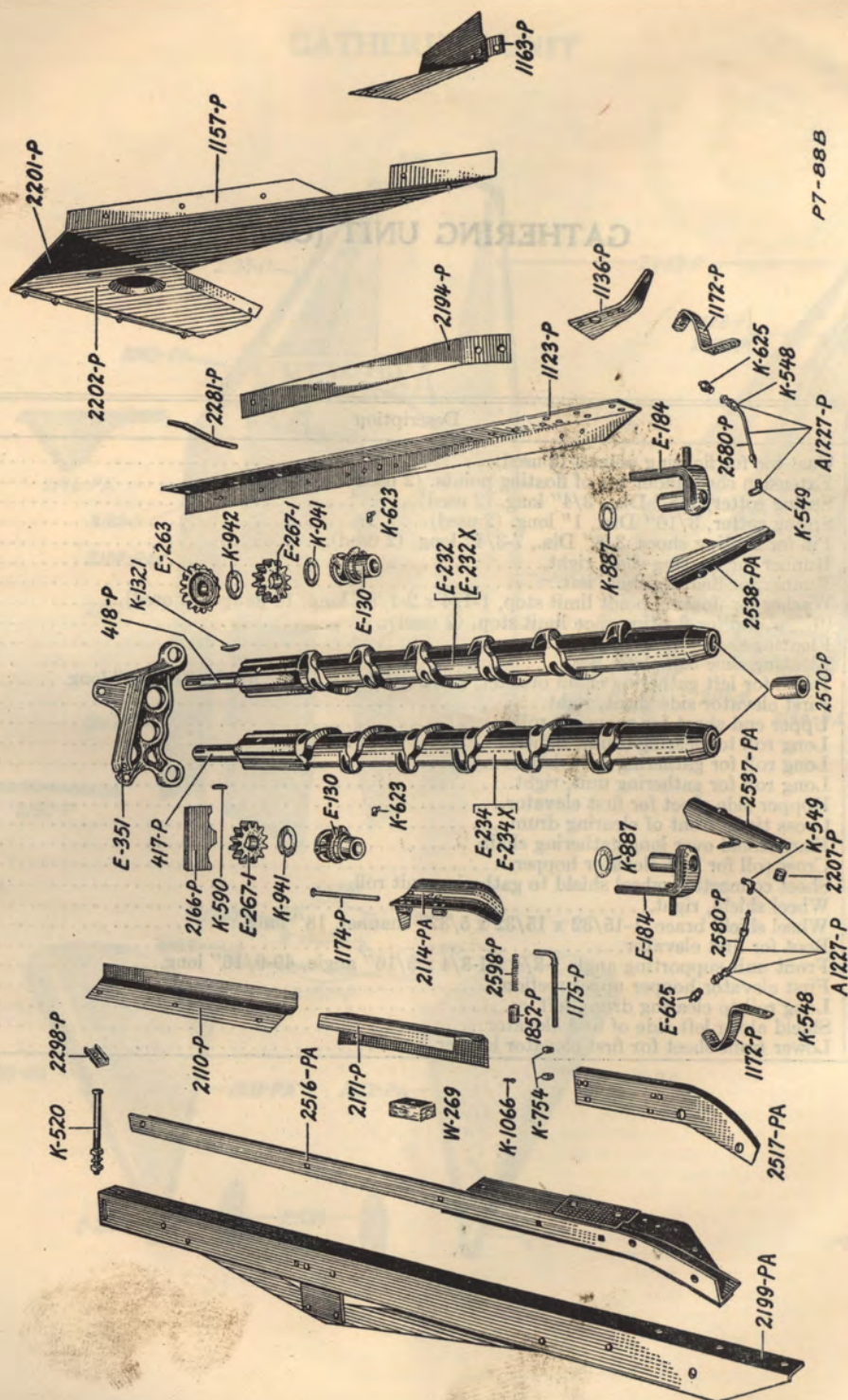


P7-82B

GATHERING UNIT (Con't)

Part No.	Description	Wt. Lbs.
E 2X	Cast toe for floating points. (2 used)	2
E 224	Extension shoe under toe of floating points. (2 used)	3/4
K 1071	Spring cotter, 1/8" Dia., 3/4" long. (2 used)	1 oz.
K 1081	Spring cotter, 3/16" Dia., 1" long. (2 used)	1 oz.
A960 P	Pin for floating shoes, 3/8" Dia., 7-3/4" long. (2 used)	1/4
1221 PA	Runner for floating shoe, right	4
1222 PA	Runner for floating shoe, left	4
1349 P	Washer for floating point limit stop, 1-1/4 x 2-1/8" long, 14 gauge. (2 used)	1 oz.
1350 P	"U" clamp for floating shoe limit stop. (2 used)	1/4
1600 PA	Floating shoe complete, right	15-1/2
1601 PA	Floating shoe complete, left	15-1/2
2115 P	Brace for left gathering chain bracket, 1-1/2 x 1-1/4 x 5/32" angle, 31-1/16" long.	3-1/4
2128 P	First elevator side sheet, right	2-1/2
2133 P	Upper end sheet for snapping rolls	1/2
2135 P	Long roll to clearing drum, right	8
2137 PA	Long roll for gathering unit, left	18-1/2
2138 PA	Long roll for gathering unit, right	22
2139 PA	Hopper side sheet for first elevator	4
2141 P	Cross tie in front of clearing drum	1-1/2
2142 P	Flare shield over long gathering chain	4
2143 PA	Cross roll for first elevator hopper	4-1/4
2146 PA	Sheet connecting wheel shield to gathering unit roll	3/4
2149 PA	Wheel shield, right	24
2150 P	Wheel shield brace, 1-15/32 x 15/32 x 5/32" channel, 18" long.	1-3/4
2154 PA	Boot for first elevator	9
2224 PA	Front unit supporting angle 1-3/4 x 1-3/4 x 3/16" angle, 49-9/16" long.	9
2442 P	First elevator hopper upper section	3
2443 P	Long roll to clearing drum, left	18
2446 P	Shield along left side of first elevator	7-3/4
2447 P	Lower front sheet for first elevator hopper	3

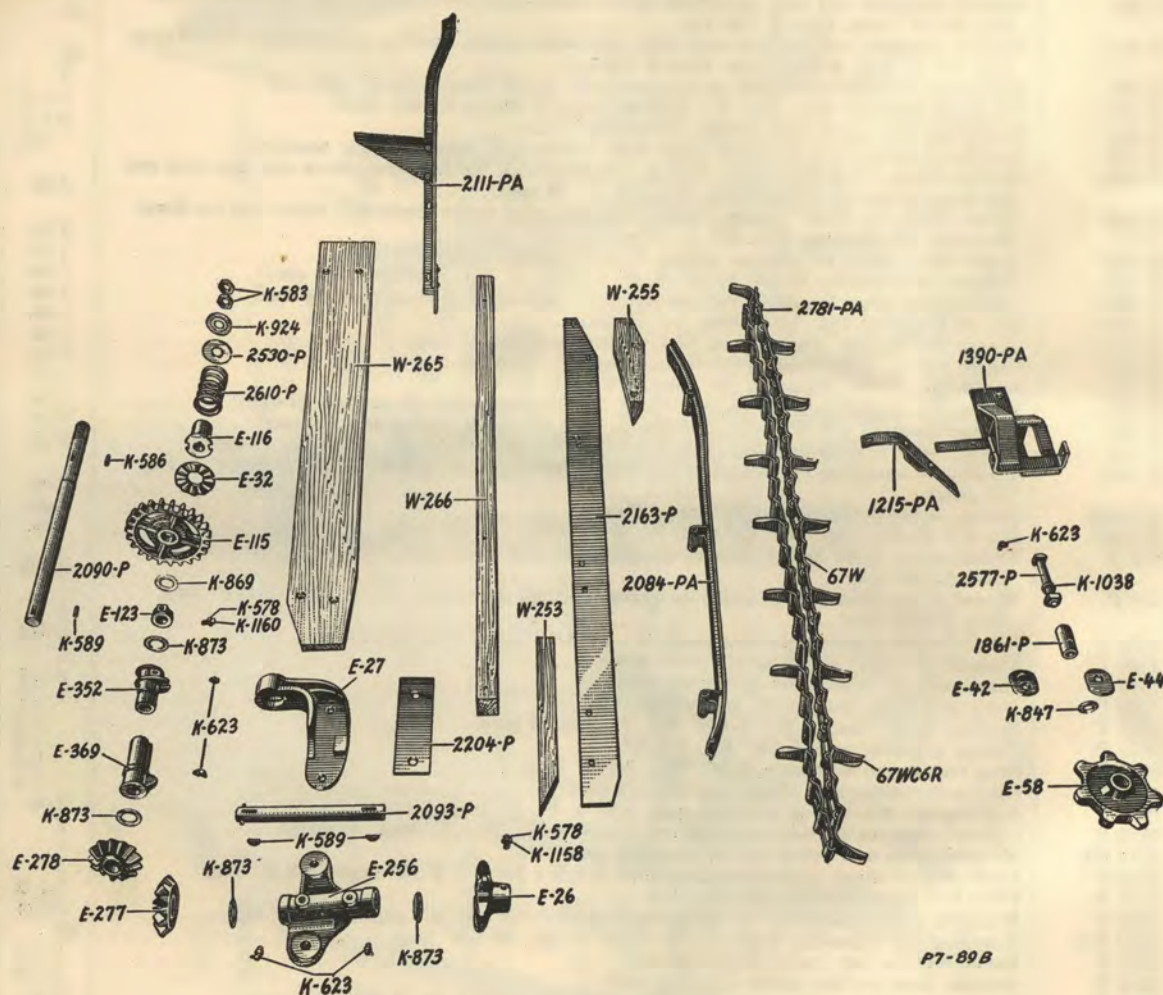
SNAPPING UNIT



SNAPPING UNIT (Con't)

Part No.	Description	Wt. Lbs.
E 130	Bronze bearing for upper end of snapping rolls, 1-1/4" bore. (2 used).....	2-1/2
E 184	Lower snapping roll bracket with stud. (2 used).....	2-1/2
E 232	Inside snapping roll with renewable bronze bushing in lower end. Upper trunnion 1-1/4" Rd., 7-3/4" long. Uses K 1321 key.....	47
E 232X	Inside snapping roll for pop corn with renewable bronze bushing in lower end. Upper trunnion 1-1/4" Rd., 7-3/4" long. Uses K 1321 key.....	45
E 234	Outside snapping roll with renewable bronze bushing in lower end. Upper trunnion 1-1/4" Rd., 6-1/4" long. Uses K 590 key.....	46
E 234X	Outside snapping roll for pop corn with renewable bronze bushing in lower end. Upper trunnion 1-1/4" Rd., 6-1/4" long. Uses K 590 key.....	45
E 263	Sixteen tooth steel bevel gear on snapping roll, 1-1/4" bore. Uses K 1321 key.....	2
E 267-1	Twelve tooth steel spur gear, 1-1/4" bore. Uses K 590 or K 1321 keys.....	1-1/2
E 351	Gathering unit upper end casting, malleable.....	8-1/2
K 520	Bolt for snapping roll adjusting angle with 2 nuts, 1/2" Dia., 7" long, machine.....	3/4
K 548	Special fitting for 3/16" copper tubing, complete with taper sleeve, sleeve nut, and lock nut for lower snapping roll bearing. (No. 701 A). (2 used).....	2 oz.
K 549	Elbow fitting for 3/16" copper tubing, complete with taper sleeve and sleeve nut for lower snapping roll bearing. (No. 801 A). (2 used).....	2 oz.
K 550	Taper sleeve for 3/16" copper tubing. Not illustrated. (4 used).....	1 oz.
K 551	Hexagon lock nut for K 548, 9/16" O. D., 1/8" I. D. Not illustrated. (2 used).....	1 oz.
K 585	Lock nut for lower snapping roll bracket, 1/2" square. Not illustrated. (4 used).....	1 oz.
K 590	No. 18 Woodruff key, 1/4" thick, 1-1/8" long.....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2" degree elbow. (2 used).....	1 oz.
K 625	Grease fitting, 1/8" female pipe thread, straight. (2 used).....	1 oz.
K 754	Square nut, 5/16", tapped 1/32", large. (2 used).....	1 oz.
K 886	Washer for stud, 1-7/8" O. D., 1-7/32" I. D., 16 gauge. Not illustrated. (2 used).....	1 oz.
K 887	Washer for stud, 1-7/8" O. D., 1-7/32" I. D., 1/8" thick, carburized. (2 used).....	2 oz.
K 941	Washer for snapping roll trunnions, 2-3/8" O. D., 1-17/64" I. D., 13 gauge. (2 used).....	2 oz.
K 942	Washer for snapping roll trunnion, keywayed for 1/4" key, 2-3/8" O. D., 1-17/64" I. D., 13 gauge.....	2 oz.
K 1066	Spring cotter, 3/32" Dia., 1/2" long. (2 used).....	1 oz.
K 1321	No. RX Hi-Pro key, (No. HP 2208 A). 1/4" thick, 2-5/16" long.....	1 oz.
417 P	Trunnion for upper end of outside snapping roll with drive pin, 1-1/4" Rd., 10-1/8" long. Uses K 590 key.....	3-1/2
418 P	Trunnion for upper end of inside snapping roll with drive pin, 1-1/4" Rd., 11-5/8" long. Uses K 1321 key.....	4
1123 P	Inner snapping roll supporting angle, 3 x 2 x 3/16" angle, 48-15/16" long.....	13-3/4
1136 P	Support for inner snapping roll point guide.....	1
1157 P	Inner sheet for box under gathering unit.....	4-1/4
1163 P	Inner gathering chain drive gear shield.....	1-1/2
1172 P	Bracket for oil line, 3/16 x 1-1/4" flat, 7" long. (2 used).....	1/2
1174 P	Pin for movable gate, 5/16" Rd., 7-1/4" long.....	1/4
1175 P	Stop rod for movable gate, 5/16" Rd., 7-1/4" long.....	1/4
A1227 P	Oil line complete with elbow and oiler. (2 used).....	1/4
1852 P	Bushing for stop rod on movable gate, 1/4" I. D., 1" long.....	2 oz.
2110 P	Curved sheet for outside snapping roll, 4-1/4" wide, 28-1/2" long, 16 gauge.....	2
2114 PA	Movable gate over lower end of snapping roll.....	1
2166 P	Limit stop at upper end of snapping rolls, 2-1/2 x 1-1/2 x 3/16" angle, 5-3/8" long.....	1
2171 P	Filler box above outside snapping roll.....	1-1/2
2194 P	Brace for inside snapping roll supporting angle, 2 x 2 x 3/16" angle, 28-2/8" long.....	5-3/4
2199 PA	Snapping roll adjusting angle, 3 x 2 x 3/16" angle, 69-1/4" long.....	26
2201 P	Back sheet for box under snapping unit.....	1-1/4
2202 P	Outside sheet for box under snapping unit.....	1-1/2
2207 P	Short spacer for outside snapping roll entry guide, 3/8" I. D., 9/16" long.....	2 oz.
2281 P	Brace for inside snapping roll angle, 1/4 x 1-1/4" flat, 8-3/4" long.....	3/4
2298 P	Clip for snapping roll adjusting bolt, 1-1/4 x 1/2 x 1/8" channel, 2-3/8" long.....	1/4
2516 PA	Outside snapping roll supporting angle with plates.....	22-1/2
2517 PA	Movable gate support, 4-1/4" wide, 14" long, 13 gauge.....	1-1/2
2537 PA	Point guide for outside snapping roll with bracket.....	1-1/2
2538 PA	Point guide for inside snapping roll with bracket.....	1-1/2
2570 P	Bronze bushing for lower end of snapping rolls, 1-9/16" O. D., 1-1/4" I. D., 2-1/8" long. (2 used).....	1/2
2580 P	Oil line for snapping rolls, 3/16" O. D., 4-5/8" long. (2 used).....	2 oz.
2598 P	Compression spring for movable gate over snapping rolls, 1/2" O. D., 2-1/2" long.....	1/4
W 269	Wood spacer for filler box above outside roll.....	1/4

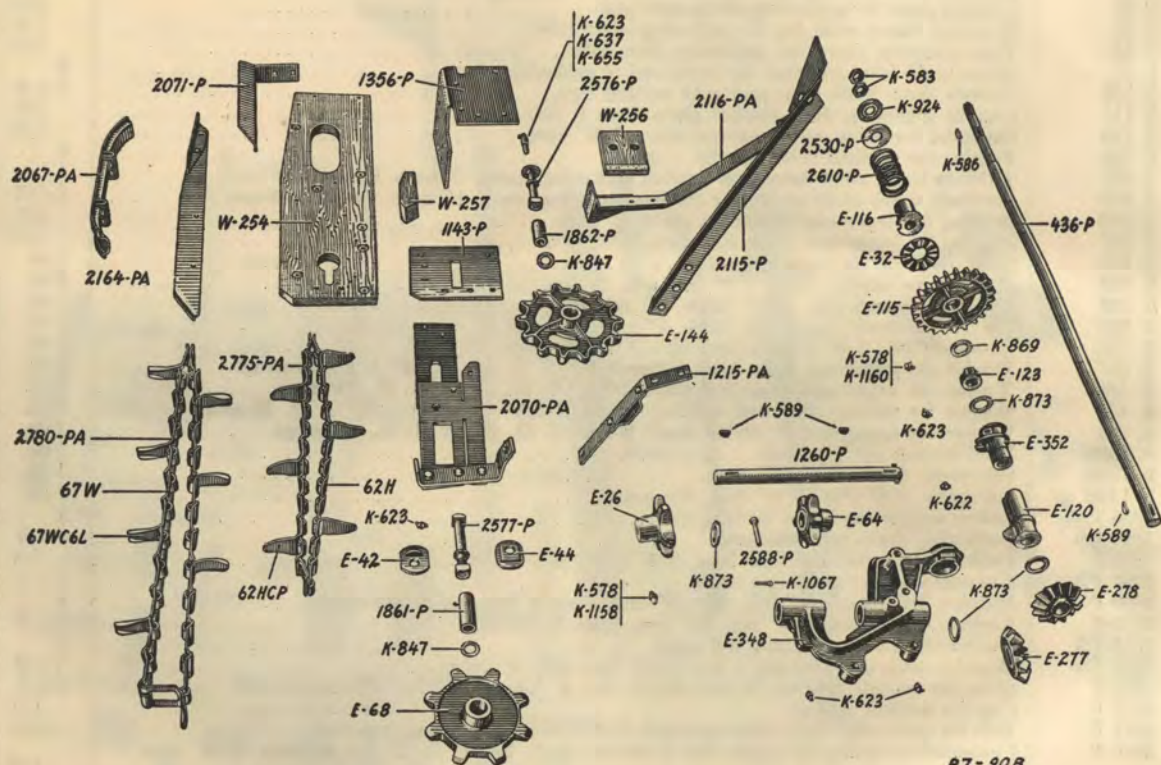
OUTER GATHERING CHAIN



OUTER GATHERING CHAIN (Con't)

Part No.	Description	Wt. Lbs.
67 W	Steel chain link. (32 used).....	2 oz.
67 WC6R	Attachment link. (16 used).....	2 oz.
E 26	Five tooth drive sprocket on gathering chain drive spindle. Uses K 589 key.....	1-3/4
E 27	Bracket for gathering chain drive shaft lower bearing.....	3
E 32	Ratchet plate for gathering chain spur gear.....	1/2
E 42	Eccentric clamp with lug for gathering chain idler.....	1/4
E 44	Plain eccentric clamp for gathering chain idler.....	1/4
E 58	Seven tooth idler sprocket for lower end of gathering chain.....	3
E 115	Twenty three tooth spur gear with ratchet hub.....	3-1/4
E 116	Cap for gathering chain ratchet plate. Uses K 586 key.....	3/4
E 123	Set collar for drive end of ratchet shaft, 7/8" bore.....	1/4
E 256	Bearing for vertical drive spindle.....	4
E 277	Thirteen tooth steel bevel gear driving gathering chain, 1" bore. Uses K 589 key.....	1
E 278	Fourteen tooth steel bevel gear driving gathering chain, 1" bore. Uses K 589 key.....	1-1/4
E 352	Bearing for upper end of ratchet shaft, 1" bore.....	3/4
E 369	Bearing for lower end of ratchet shaft, 7/8" bore.....	1/4
K 578	Lock nut, 3/8" hexagon. (2 used).....	1 oz.
K 583	Jam nut for ratchet shaft, 7/8" hexagon. (2 used).....	2 oz.
K 586	No. 19 Woodruff key, 3/16" thick, 1-7/32" long.....	1 oz.
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (3 used).....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow. (5 used).....	1 oz.
K 847	Washer for gathering chain idler sprocket, 1-1/2" O. D., 21/32" I. D., 13 gauge.....	1 oz.
K 869	Washer for upper end of ratchet shaft, 1-3/4" O. D., 57/64" I. D., 16 gauge.....	1 oz.
K 873	Washer for ratchet shaft and vertical spindle, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (4 used).....	1 oz.
K 924	Washer for upper end of ratchet shaft, 2-1/4" O. D., 57/64" I. D., 13 gauge.....	1 oz.
K 1038	Lock washer for 5/8" bolt.....	1 oz.
K 1158	Set screw, 3/8" Dia., 3/4" long.....	1 oz.
K 1160	Set screw, 3/8" Dia., 7/8" long, low head.....	1 oz.
1215 PA	Lower supporting brace for long roll.....	1
1390 PA	Gathering chain idler support.....	9-1/4
1861 P	Bushing for gathering chain idler, 3/4" I. D., 2-3/8" long.....	1/4
2084 PA	Channel slide for gathering chain.....	5-1/4
2090 P	Ratchet drive shaft, 1" Rd., 20-1/2" long. Uses K 586 and K 589 keys.....	4
2093 P	Vertical drive spindle, 1" Rd., 10" long. Uses K 589 key.....	2-1/2
2111 PA	Vertical brace for snapping roll angle.....	3
2163 P	Wearing slide under chain, 1/8 x 2-3/4" flat, 49-7/8" long.....	4-1/2
2204 P	Shim for bearing bracket, 5/16 x 2-1/2" flat, 8" long.....	1-3/4
2530 P	Cap for ratchet spring.....	1/4
2577 P	Bolt for gathering chain idler sprocket, 5/8" Dia., 4-1/4" long, machine.....	1/4
2610 P	Compression spring for upper end of ratchet shaft, 2-1/2" O. D., 3-5/8" long, 5/16" wire, 6 coils.....	1/2
2781 PA	Long gathering chain with 16 67-WC6R attachments and 32 67-W plain links; 16 attachments each followed by 2 plain links.....	7-1/2
W 253	Block at lower end of gathering chain slide, 1-1/4 x 2-1/8" wide, 14-1/8" long.....	1
W 255	Upper stripper block for gathering chain, 1" thick, 12-1/4" long.....	1/2
W 265	Long gathering chain return slide, 25/32" thick, 5" wide, 47" long.....	4-1/2
W 266	Support under gathering chain slide, 1-1/2 x 2" wide, 47-1/8" long.....	3

INNER GATHERING CHAIN

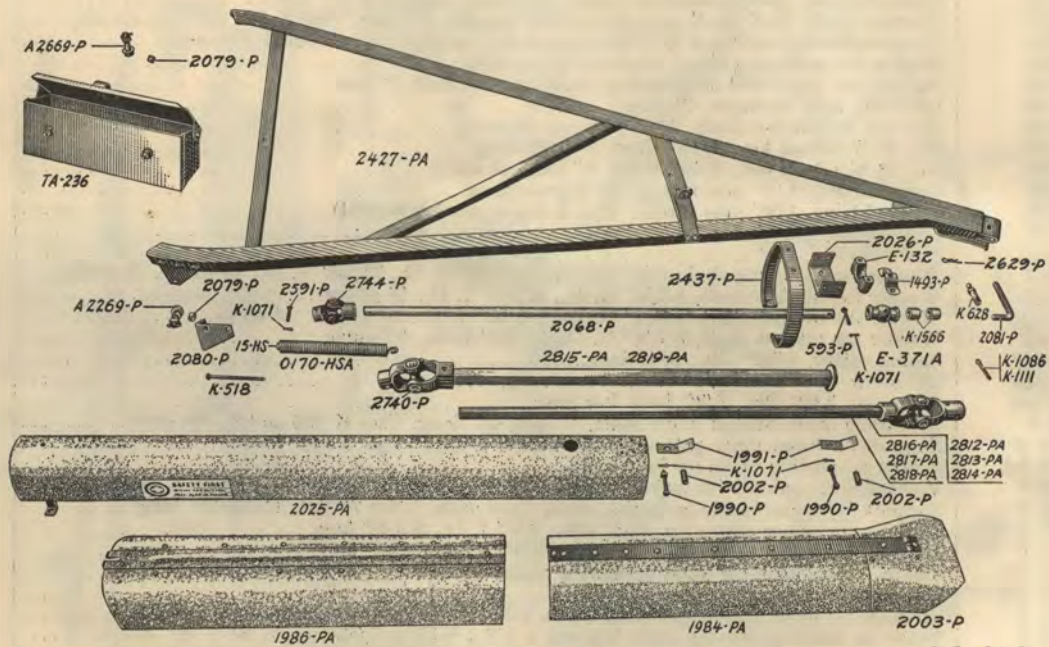


P7-908

INNER GATHERING CHAIN (Con't)

Part No.	Description	Wt. Lbs.
62 H	Steel chain link for lower gathering chain. (20 used).....	1 oz.
62 HCP	Attachment link for lower gathering chain. (6 used).....	2 oz.
67 W	Steel chain link for upper gathering chain. (17 used).....	1 oz.
67 WC6L	Attachment link for upper gathering chain. (8 used).....	2 oz.
E 26	Five tooth chilled drive sprocket on gathering chain drive spindle. Uses K 589 key.....	1-3/4
E 32	Ratchet plate.....	1/2
E 42	Eccentric clamp with lug, upper.....	1/4
E 44	Eccentric clamp, lower.....	1/4
E 64	Six tooth drive sprocket for lower gathering chain, 1" bore.....	1-1/2
E 68	Eighth tooth idler sprocket for upper gathering chain.....	3-1/4
E 115	Twenty three tooth spur gear with ratchet hub.....	3-1/4
E 116	Cap for gathering chain ratchet plate. Uses K 586 key.....	3/4
E 120	Bearing at lower end of gathering chain ratchet shaft, 1" bore.....	1-1/4
E 123	Set collar for upper end of ratchet shaft, 7/8" bore.....	1/4
E 144	Fourteen tooth idler sprocket for lower gathering chain, 1-1/16" bore.....	4-1/4
E 277	Thirteen tooth steel bevel gear, for vertical spindle, 1" bore. Uses K 589 key.....	1
E 278	Fourteen tooth steel bevel gear for lower end of ratchet shaft. Uses K 589 key.....	1-1/4
E 348	Bearing for gathering chain vertical drive spindle.....	11-1/4
E 352	Bearing for upper end of gathering chain ratchet shaft, 1" bore.....	3/4
K 578	Lock nut, 3/8" hexagon. (2 used).....	1 oz.
K 583	Jam nut for ratchet shaft, 7/8" hexagon. (2 used).....	2 oz.
K 586	No. 19 Woodruff key, 3/16" thick, 1-7/32" long.....	1 oz.
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (3 used).....	1 oz.
K 622	Grease fitting, 1/8" pipe thread, 30 degree elbow.....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow. (4 used).....	1 oz.
K 637	Pipe nipple, 1/8" I. D., 1-1/4" long.....	1 oz.
K 655	Pipe coupling, 1/8".....	2 oz.
K 847	Washer for gathering chain idler sprocket, 1-1/2" O. D., 21/32" I. D., 13 gauge. (2 used).....	1 oz.
K 869	Washer for ratchet shaft, 1-3/4" O. D., 57/64" I. D., 16 gauge.....	1 oz.
K 873	Washer for ratchet shaft, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (4 used).....	1 oz.
K 924	Washer for ratchet shaft, 2-1/4" O. D., 57/64" I. D., 13 gauge.....	2 oz.
K 1067	Spring cotter, 3/32" Dia., 3/4" long.....	1 oz.
K 1158	Set screw, 3/8" Dia., 3/4" long.....	1 oz.
K 1160	Set screw, 3/8" Dia., 7/8" long, low head.....	1 oz.
436 P	Gathering chain ratchet drive shaft, 1" Rd., 45" long. Uses K 586 and K 589 keys.....	9-3/4
1143 P	Support for lower inner gathering chain idler, 1/4 x 7" flat, 5-7/8" long.....	3
1215 PA	Lower supporting brace for long roll.....	1
1260 P	Vertical drive spindle for inside gathering chains, 1" Rd., 12-7/8" long. Uses K 589 key.....	3
1356 P	Support for upper inside gathering chain wood slide, 1/4 x 7" flat, 11-13/16" long.....	5-1/2
1861 P	Bushing for upper gathering chain idler, 3/4" I. D., 2-3/8" long.....	1/4
1862 P	Bushing for lower gathering chain idler, 3/4" I. D., 2-3/8" long.....	1/4
2067 PA	Channel slide back for upper gathering chain.....	2
2070 PA	Gathering chain idler support, left.....	6
2071 P	Stripper for lower inside gathering chain, 1/8 x 3" flat, 13" long.....	1
2115 P	Brace for inside gathering chain bracket, 1-1/2 x 1-1/4 x 5/32" angle, 31-1/16" long.....	3-1/4
2116 PA	Lower brace for inside snapping roll angle, 1-1/2 x 1-1/4 x 5/32" angle, 22-3/8" long.....	2-1/2
2164 PA	Wearing slide for upper gathering chain, 1/8 x 2" flat, 22-7/8" long.....	1-3/4
2530 P	Cap for ratchet spring.....	1/4
2576 P	Bolt for lower gathering chain idler sprocket, 5/8" Dia., 3-1/2" long, carriage.....	1/4
2577 P	Bolt for upper gathering chain idler sprocket, 5/8" Dia., 4-1/4" long, machine.....	1/4
2588 P	Pin for lower gathering chain drive sprocket, 5/16" Dia., 2-1/16" long, flat head.....	2 oz.
2610 P	Compression spring for gathering chain ratchet shaft, 2-1/4" O. D., 3-5/8" long, 6 coils.....	1/2
2775 PA	Lower short gathering chain with 6 62-HCP attachments and 20 62-H plain links; 4 attachments each followed by 3 plain links and 2 attachments each followed by 4 plain links.....	5-3/4
2780 PA	Upper short gathering chain with 8 67-WC6L attachments and 17 67-W plain links; 7 attachments each followed by 2 plain links and 1 attachment followed by 3 plain links.....	6
W 254	Wood chain slide under upper gathering chain, 1-1/16 x 7-1/4" wide, 21" long.....	10
W 256	Return chain slide for lower gathering chain, 25/32 x 3-3/4" wide, 4-3/4" long.....	1/2
W 257	Chain slide back of lower gathering chain, 1-5/16 x 1-7/8" wide, 4-3, 16" long.....	1/2

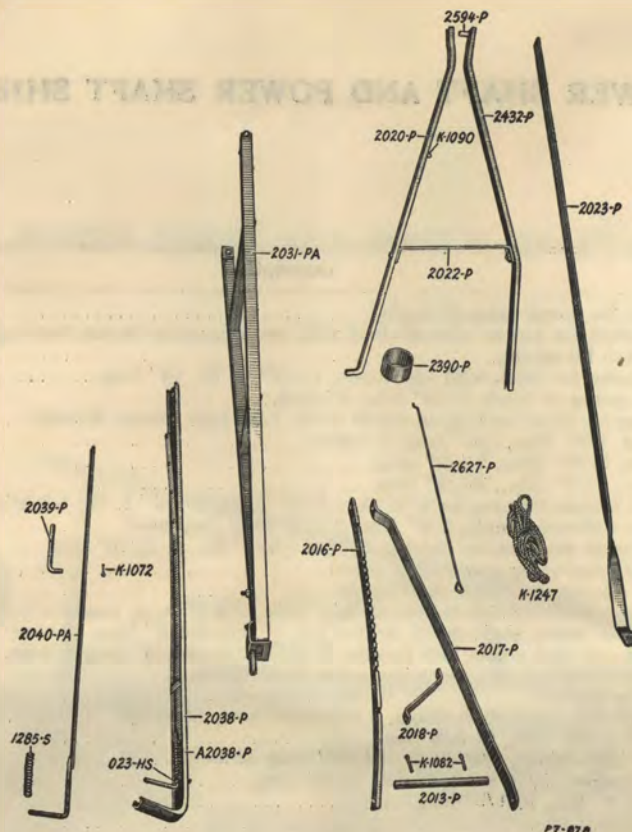
HITCH, POWER SHAFT AND POWER SHAFT SHIELDS



HITCH, POWER SHAFT AND POWER SHAFT SHIELDS (Con't)

Part No.	Description	Wt. Lbs.
E 132	Bearing base for power take-off shaft.....	2-1/4
E 371A	Bearing on hitch for power take-off shaft with two renewable bronze bushings.....	2-1/4
15 HS	Insert for hitch lift spring.....	1/4
0170 HSA	Extension spring for hitch with cast insert, 1-1/2" O. D., 14" long.....	2-3/4
K 518	Bolt for lift spring on hitch, 7/16" Dia., 6" long.....	1/4
K 628	Grease fitting for front bearing on power shaft, 1/8" pipe thread, straight.....	1 oz.
K 1071	Spring cotter, 1/8" Dia., 3/4" long. (5 used).....	1 oz.
K 1086	Spring cotter, 3/16" Dia., 2-1/2" long.....	1 oz.
K 1111	Spring cotter, 5/16" Dia., 2-1/2" long.....	1 oz.
K 1566	Steel backed bronze bushing for E 371A, 1-3/8" O. D., 1-1/4" I. D., 1-3/4" long.....	1/4
593 P	Cross pin for universal joints, 3/8" Dia., 2-5/8" long, oval head.....	2 oz.
1493 P	Plate over power shaft center bearing, 3/16 x 1-3/4" flat, 5-13/16" long.....	1/2
1984 PA	Forward end telescoping power shaft shield.....	8-3/4
1986 PA	Rear end of telescoping power shaft shield.....	9-1/2
1990 P	Bolt for power shaft shield lock handle, 3/8" Dia., 2-3/4" long, machine bolt. (2 used).....	1/4
1991 P	Lock handle for power shaft shield, 3/16 x 1-1/4" flat, 4-3/8" long. (2 used).....	1/2
2002 P	Spring for power shaft shield lock handle, 27/64" I. D., 1-1/2" long, 8 coils. (2 used).....	1/4
2003 P	Extension for front end of telescoping power shaft shield.....	1-1/4
2025 PA	Shield for power shaft.....	10-1/2
2026 P	Front bracket for power shaft shield, 3 x 11-3/4" long, 14 gauge.....	3/4
2068 P	Power shaft, 1-1/4" Rd., 61-5/8" long.....	21
2079 P	Bushing for hitch hinge, 7/8" O. D., 11/16" long. (2 used).....	2 oz.
2080 P	Lift spring bracket, 3/16 x 3-3/4" flat, 7-1/4" long.....	3/4
2081 P	Hitch pin, 3/4" Rd., 10-1/2" long.....	1
2427 PA	Hitch complete.....	79
2437 P	Center bearing bracket for power shaft, 1-3/4 x 1/2 x 3/16" channel, 34-1/8" long.....	4-1/2
2591 P	Pin for rear universal joint, 3/8" Dia., 2-1/4" long, oval head.....	2 oz.
2629 P	Spring clip for hitch pin.....	1 oz.
A2669 P	Bolt with bushing for rear end of hitch, 5/8" Dia., 2-1/2" long.....	1/4
2744 P	Universal joint at picker, both ends bored for 1-1/4" round shaft with pins.....	6
2812 PA	Telescope shaft and 1-1/8" joint assembly 39" long, overall.....	12-1/2
2813 PA	Telescope shaft and 1-3/8" joint assembly 39" long, overall.....	12-1/2
2814 PA	Telescope shaft and 1-3/4" joint assembly 39" long, overall.....	12-1/2
2815 PA	Telescope tube and joint assembly, 40-5/8" long, overall.....	10
2816 PA	Telescope shaft and 1-1/8" joint assembly 55-1/2" long, overall for F-20 and F-30 tractors.....	16-1/2
2817 PA	Telescope shaft and 1-3/8" joint assembly 55-1/2" long, overall for F-20 and F-30 tractors.....	16-1/2
2818 PA	Telescope shaft and 1-3/4" joint assembly 55-1/2" long, overall.....	16-1/2
2819 PA	Telescope tube and joint assembly, 55-1/8" long, overall.....	12
2822 PA	Short telescope shaft, tube and joint assembly 1-1/8".....	22-1/2
2823 PA	Short telescope shaft, tube and joint assembly 1-3/8".....	22-1/2
2824 PA	Short telescope shaft, tube and joint assembly 1-3/4".....	22-1/2
2825 PA	Long telescope shaft, tube and joint assembly 1-1/8".....	28-1/2
2826 PA	Long telescope shaft, tube and joint assembly 1-3/8".....	28-1/2
2827 PA	Long telescope shaft, tube and joint assembly 1-3/4".....	28-1/2
TA 236	Tool box.....	3-1/2

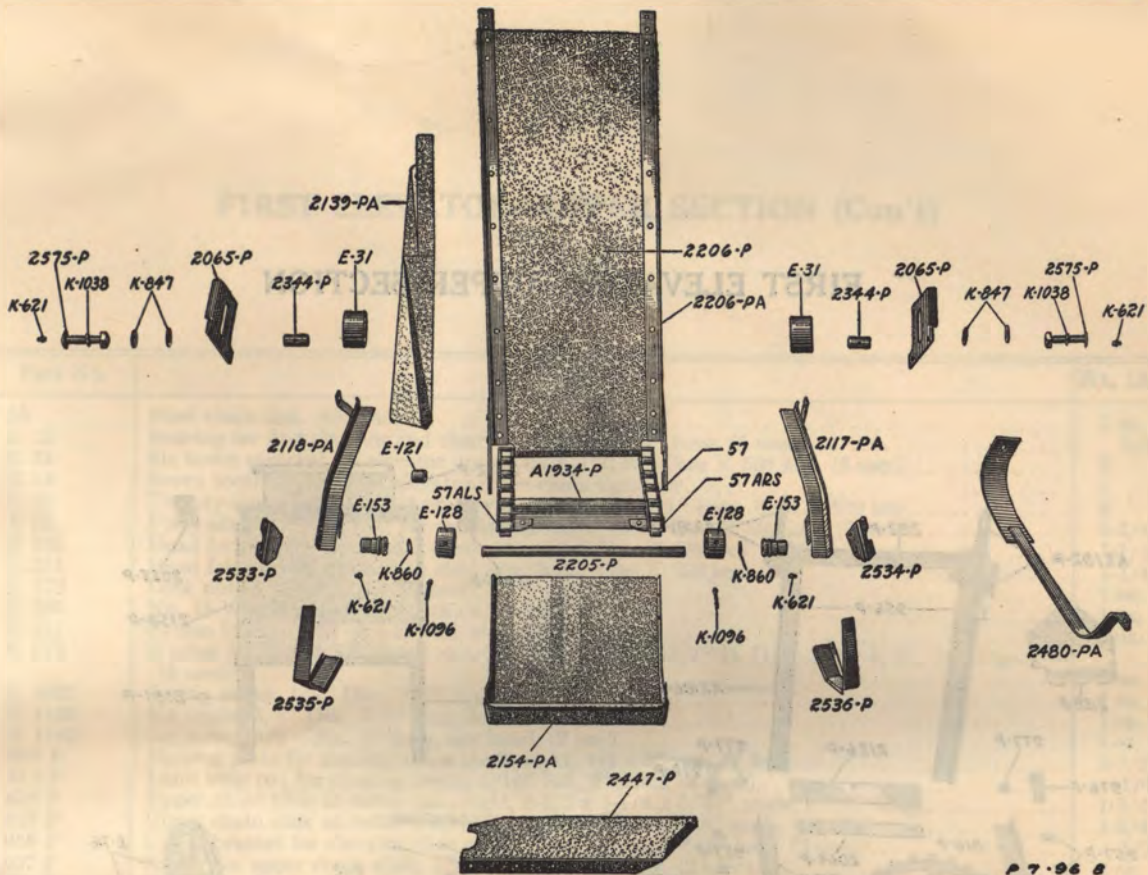
LEVER, LEVER SECTOR AND ELEVATOR STANDARD



PT-878

Part No.	Description	Wt. Lbs.
023 HS	Spring cotter, 5/16" Dia., 3/4" long, 11/32" hole in eye.....	1 oz.
K 1072	Spring cotter, 1/8" Dia., 1" long.....	1 oz.
K 1082	Spring cotter, 3/16" Dia., 1-1/4" long. (2 used).....	1 oz.
K 1090	Spring cotter, 1/4" Dia., 3/4" long.....	1 oz.
K 1247	Trip rope for rear elevator clutch.....	1/4
2013 P	Hinge pin for lever sector, 5/8" Rd., 8-3/8" long.....	3/4
2016 P	Lever sector, 3/8 x 1-1/2" flat, 35-3/4" long.....	5-1/2
2017 P	Lever sector brace, 1/4 x 1-1/2" flat, 35-1/2" long.....	3-3/4
2018 P	Lever sector tie, 3/16 x 1" flat, 7-7/8" long.....	1/4
2020 P	Standard for wagon elevator bail rod, right, 1-1/2 x 9/16 x 3/16" channel, 40" long.....	4-1/2
2022 P	Tie for wagon elevator standard, 1-1/2 x 5/16 x 5/32" channel, 16" long.....	1-1/2
2023 P	Tension rod for wagon elevator bail rod standard, 3/16 x 1-1/4" flat, 72" long.....	4-1/2
2031 PA	Lever truss.....	17
2038 P	Main lever.....	7
A2038 P	Main lever complete.....	8-1/2
2039 P	Lever latch.....	1/2
2040 PA	Lever latch rod with handle.....	1-1/4
2390 P	Oil can holder.....	1/4
2432 P	Standard for wagon elevator bail rod, left, 1-1/2 x 9/16 x 3/16" channel, 40-1/8" long.....	4-3/4
2594 P	Pin for wagon elevator bail rod, 1/2" Dia., 1-1/2" long, oval head.....	2 oz.
2627 P	Wagon elevator clutch shifter wire, 3/16" Dia., 29" long.....	1/4
1285 S	Compression spring, 11/16" O. D., 3-5/8" long, 13-1/2 coils.....	2 oz.

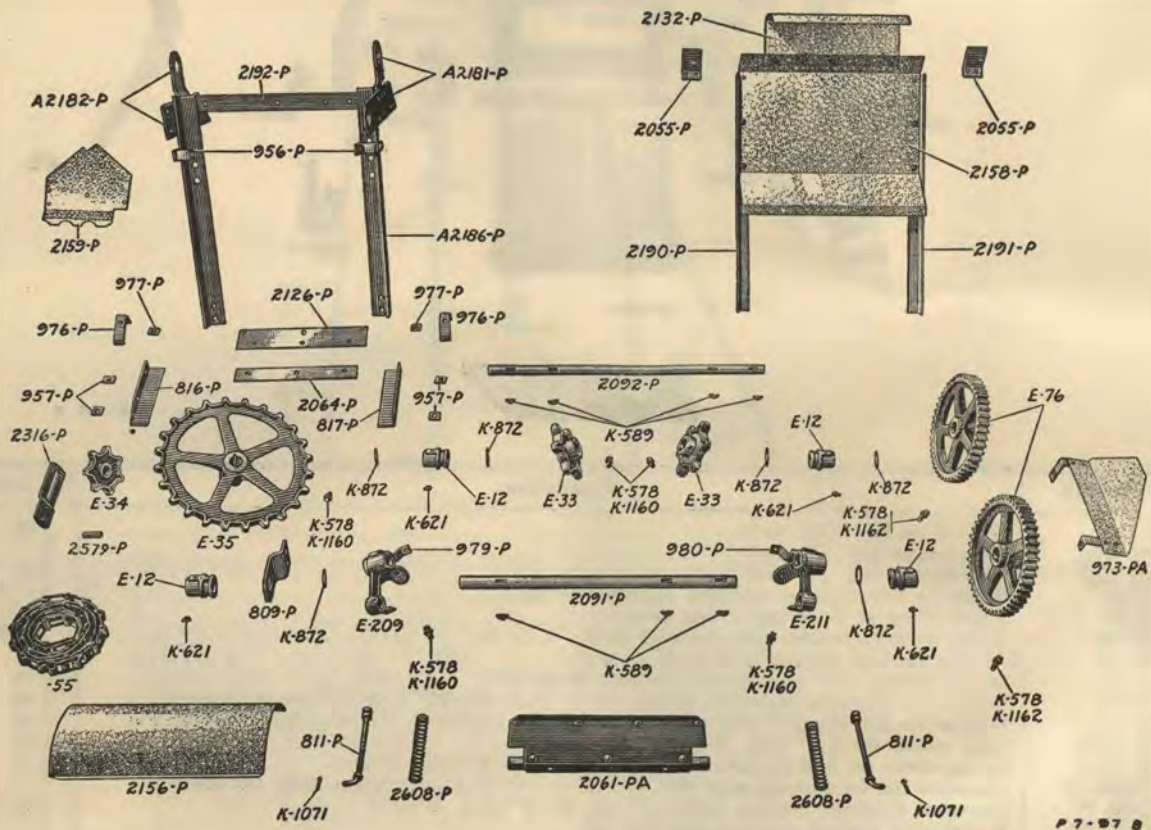
FIRST ELEVATOR LOWER SECTION AND CONVEYOR TIGHTENERS



P 7-96 8

Part No.	Description	Wt. Lbs.
57	Steel chain link. (130 used).....	2 oz.
57 ARS	Attachment link. (13 used).....	3
57 ALS	Attachment link. (13 used).....	3 oz.
E 31	Roller for first elevator conveyor tightener. (2 used).....	1-1/2
E 121	Spacer block at lower end of first elevator.....	3/4
E 128	Roller for first elevator idler shaft. (2 used).....	1-1/2
E 153	Bearing for first elevator idler shaft. (2 used).....	1
K 621	Grease fitting, 1/8" pipe thread, straight. (4 used).....	1 oz.
K 847	Washer for conveyor tightener, rollers, 1-1/2" O. D., 21/32" I. D., 13 gauge. (4 used).....	1 oz.
K 860	Washer for first elevator idler pipe, 1-9/16" O. D., 1-3/32" I. D., 16 gauge. (2 used).....	1 oz.
K 1038	Lock washer for 5/8" bolt. (2 used).....	1 oz.
K 1096	Spring cotter for first elevator idler pipe, 1/4" Dia., 2" long. (2 used).....	1 oz.
A1934 P	Conveyor bar for first elevator with 57 ARS and 57 ALS attachment links. (13 used).....	2
2065 P	Conveyor tightener bracket, 3/16 x 4" flat, 6-1/2" long. (2 used).....	1-1/4
2117 PA	Return slide for first elevator conveyor, left.....	4-1/2
2118 PA	Return slide for first elevator conveyor, right.....	4-1/2
2139 PA	Hopper side for first elevator.....	4
2154 PA	Boot for first elevator.....	9
2205 P	Idler pipe for first elevator.....	4
2206 P	Bottom sheet for first elevator 18-1/2" wide, 45-3/4" long, 18 gauge.....	13-3/4
2206 PA	First elevator lower section, complete.....	25
2344 P	Bushing for first elevator conveyor tightener, 7/8" O. D., 1-7/8" long. (2 used).....	2 oz.
2447 P	Lower front sheet for first elevator hopper.....	3
2480 PA	Slide on bottom of main frame for first elevator conveyor.....	2-1/2
2533 P	Clamp plate for lower end of first elevator, right.....	1/2
2534 P	Clamp plate for lower end of first elevator, left.....	1/2
2535 P	Closure shield for first elevator boot, right.....	1
2536 P	Closure shield for first elevator boot, left.....	1
2575 P	Bolt for first elevator conveyor chain tightener, 5/8" Dia., 3-1/4" long, carriage. (2 used).....	1/4
2796 PA	First elevator conveyor with 57 steel chain and A1934 P bar, 130 57 plain links, 13 57-ARS and 13 57-ALS attachment links; 13 bars each followed by 5 plain links.....	67

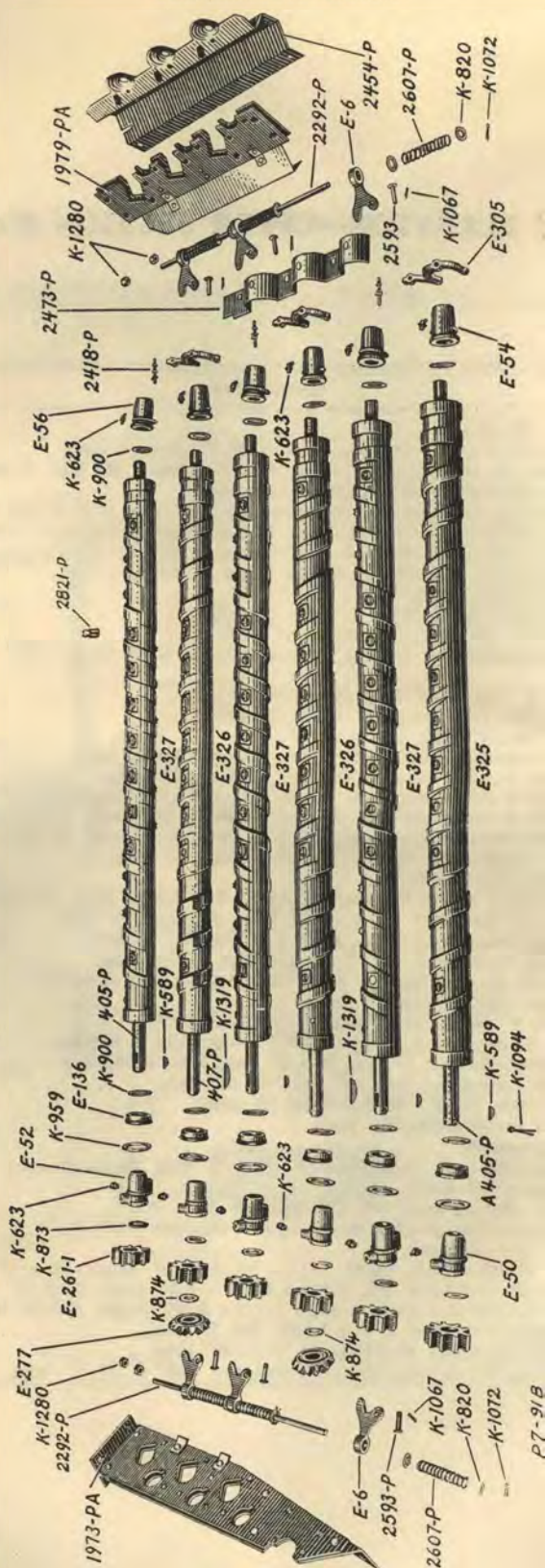
FIRST ELEVATOR—UPPER SECTION



FIRST ELEVATOR—UPPER SECTION (Con't)

Part No.	Description	Wt. Lbs.
55	Steel chain link. (48 used).....	1 oz.
E 12	Bearing for first elevator and clearing drum shaft, 1" bore. (4 used).....	3/4
E 33	Six tooth sprocket for elevator upper shaft, 1" bore. Uses K 589 key. (2 used).....	2
E 34	Seven tooth sprocket for elevator drive chain tightener.....	1
E 35	Twenty-four tooth sprocket on elevator upper shaft, 1" bore. Uses K 589 key.....	8
E 76	Forty-six tooth spur gear for clearing drum, 1" bore. Uses K 589 key. (2 used).....	7-3/4
E 209	Head for clearing drum with steel arm, right. Uses K 589 key.....	1-1/4
E 211	Head for clearing drum with steel arm, left. Uses K 589 key.....	1-1/4
K 578	Lock nut, 3/8" hexagon. (7 used).....	1 oz.
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (7 used).....	1 oz.
K 621	Grease fitting, 1/8" pipe thread, straight. (4 used).....	1 oz.
K 872	Washer for first elevator and clearing drum shafts, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (4 used).....	1 oz.
K 1071	Spring cotter, 1/8" Dia., 3/4" long. (2 used).....	1 oz.
K 1160	Set screw, 3/8" Dia., 7/8" long, low head. (5 used).....	1 oz.
K 1162	Set screw, 3/8" Dia., 1" long, low head. (2 used).....	1 oz.
809 P	Bearing plate for clearing drum shaft, right, 1/4 x 3" flat, 5" long.....	1-1/2
811 P	Limit stop rod for clearing drum, 5/16" Rd., 7" long. (2 used).....	1/4
816 P	Upper chain slide at cutter bar, right, 1-1/2 x 1-1/4 x 5/32" angle, 8-1/8" long.....	1-3/4
817 P	Upper chain slide at cutter bar, left, 1-1/2 x 1-1/4 x 5/32" angle, 8-1/8" long.....	1-3/4
956 P	Upper bracket for elevator slide sheet, 1/4 x 1" flat, 5-5/8" long. (2 used).....	1/2
957 P	Spacer for upper chain slide, 1/4 x 1" flat, 7/8" long. (2 used).....	2 oz.
973 PA	Shield for clearing drum gears.....	1-1/2
976 P	Conveyor bar lifter on cutter bar angle, 1/4 x 1" flat, 4-3/4" long. (2 used).....	1/2
977 P	Spacer for conveyor bar lifter, 7/8 x 1-1/4" long, 13 gauge. (2 used).....	2 oz.
979 P	Spoke for clearing drum head, right, 1/8 x 3/4" flat, 3-7/8" long.....	2 oz.
980 P	Spoke for clearing drum head, left, 1/8 x 3/4" flat, 3-7/8" long.....	2 oz.
2055 P	Chain slide on first elevator back, 1/8 x 2" flat, 3-1/4" long. (2 used).....	1/4
2061 PA	Flap with clip and pipe for clearing drum.....	1-3/4
2064 P	Shear bar, 3/16 x 2" flat, 11-1/4" long.....	1-1/4
2091 P	Drive shaft for clearing drum, 1" Rd., 22-5/8" long. Uses K 589 key.....	5
2092 P	Drive shaft for first elevator, 1" Rd., 26-1/2" long. Uses K 589 key.....	6
2126 P	Spacer plate under shear bar, 1/8 x 3" flat, 12-1/4" long.....	1-1/4
2132 P	Shield for drive shaft, 8-7/8 x 13-3/8" long, 20 gauge.....	1-1/2
2156 P	Steel roll for first elevator clearing drum.....	4
2156 PA	Clearing drum complete.....	17
2158 P	Shield in first elevator back frame, 17-3/8 x 18-1/8" long, 20 gauge.....	4-1/4
2159 P	Husking unit upper end shield.....	2-3/4
A2181 P	Bearing plate support for clearing drum and first elevator shaft, left.....	5
A2182 P	Bearing plate support for clearing drum and first elevator shaft, right.....	4-1/4
A2186 P	Upper frame for first elevator.....	11
2190 P	Support for first elevator back, right, 1-1/4 x 1-1/4 x 1/8" angle, 24-3/16" long.....	2
2191 P	Support for first elevator back, left, 1-1/4 x 1-1/4 x 1/8" angle, 24-3/16" long.....	2
2192 P	Cross angle for first elevator knife, 1-1/2 x 1-1/2 x 3/16" angle, 18-3/8" long.....	2-3/4
2316 P	Drive chain tightener bracket, 3/16 x 1-3/4" flat, 7" long.....	1/2
2579 P	Bushing for chain tightener, 19/32" O. D., 1-13/32" long.....	2 oz.
2608 P	Compression spring for clearing drum flap stop rod, 7/8" O. D., 5" long, 17 coils. (2 used)....	1/4

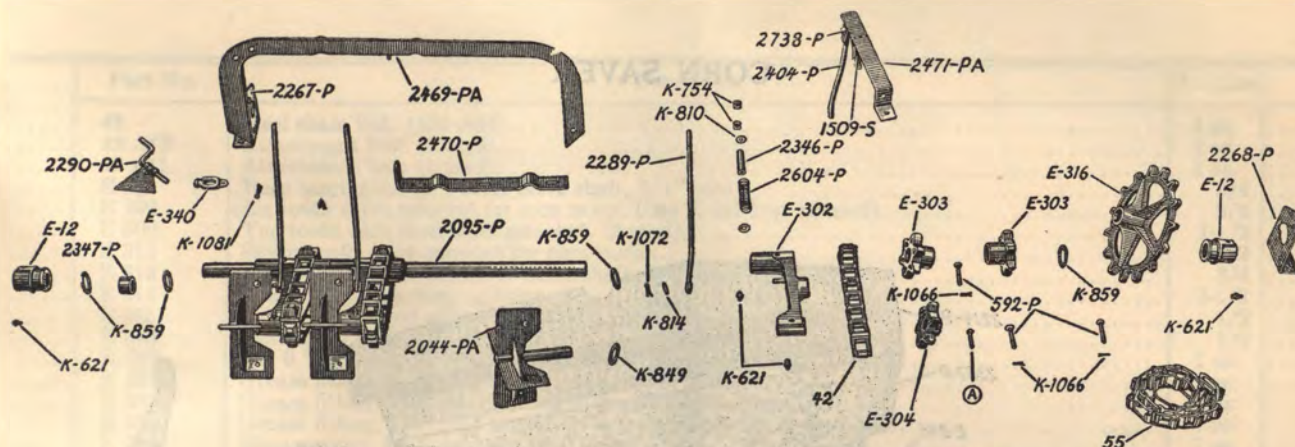
HUSKING UNIT



HUSKING UNIT (Con't)

Part No.	Description	Wt. Lbs.
E 6	Tension arm for lower husking roll bearings. (3 used).....	1/2
E 50	Stationary bearing for upper end of upper husking rolls, 1" bore. (3 used).....	1
E 52	Sliding bearing for upper end of lower husking rolls, 1" bore. (3 used).....	1
E 54	Stationary bearing for lower end of upper husking rolls, 1" bore. (3 used).....	1
E 56	Sliding bearing for lower end of lower husking rolls, 1" bore. (3 used).....	1
E 136	End stop collar for upper end of husking rolls. (6 used).....	1/4
E 261-1	Ten tooth cut steel spur gear at upper end of husking rolls, 1" bore. Uses K 589 or K 1319 key. (6 used).....	1-1/2
E 277	Thirteen tooth bevel gear at upper end of husking rolls, 1" bore. Uses K 1319 key. (2 used)...	1
E 305	Cap for lower husking roll bearing, malleable. (3 used).....	1/2
E 325	Front upper husking roll with 1" trunnion. Uses K 589 key.....	35-3/4
E 326	Upper husking roll with 1" trunnion. Uses K 1319 key. (2 used).....	35-3/4
E 327	Lower husking roll with 1" trunnion. Uses K 589 key. (3 used).....	35-3/4
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (4 used).....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow. (12 used).....	1 oz.
K 820	Washer for tension rod, 1-1/8" O. D., 15/32" I. D., 14 gauge. (12 used).....	1 oz.
K 873	Washer for upper end of husking rolls, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (6 used).....	1 oz.
K 874	Washer for upper end of husking rolls, with 3/16" keyway, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (2 used).....	1 oz.
K 900	Washer for upper and lower end of husking rolls, 2" O. D., 1-1/32" I. D., 16 gauge. (12 used).....	1 oz.
K 959	Washer for upper end of husking rolls, 2-1/2" O. D., 1-11/16" I. D., 16 gauge. (6 used).....	2 oz.
K 1067	Spring cotter, 3/32" Dia., 3/4" long. (6 used).....	1 oz.
K 1072	Spring cotter, 1/8" Dia., 1" long. (6 used).....	1 oz.
K 1094	Spring cotter for front upper husking roll trunnion, 1/4" Dia., 1-1/2" long.	1 oz.
K 1280	Hexagon nut, 7/16", tapped 1/32" large. (4 used).....	1 oz.
K 1319	No. 26 Hi-Pro key. (No. HP 1706B). 3/16" thick, 15/16" long. (2 used).....	1 oz.
405 P	Trunnion for upper end of lower husking roll with drive pin, 1" Rd., 7-1/8" long. Uses K 589 key. (3 used).....	1-1/2
A405 P	Trunnion for front upper husking roll with drive pin, 1" Rd., 7-1/8" long. Uses K 589 key....	1-1/2
407 P	Long trunnion in upper husking rolls with drive pin, 1" Rd., 8-1/4" long. Uses K 1319 key. (2 used).....	1-1/2
1973 PA	Husking unit upper frame, does not include bearings and tension arms.....	15-3/4
1979 PA	Husking unit lower frame, does not include bearings and tension arms.....	9-1/2
2292 P	Tension rod on husking unit hangers, 7/16" Dia., 19" long. (2 used).....	1
2418 P	Special collared bolt for lower husking unit hanger, 5/16" Dia., 2-3/16" long. (3 used).....	2 oz.
2454 P	Shield at lower end of husking unit.	3
2473 P	Cover for lower husking roll bearings.	3/4
2593 P	Pin for husking unit tension arms, 3/8" Dia., 1-1/4" long, flat head. (6 used)	2 oz.
2607 P	Compression spring for husking roll tension rods, 7/8" O. D., 3-3/4" long, 14 coils. (6 used)..	1/4
2821 P	Spring type husking peg. (138 used).....	1 oz.

LOWER PRESSER WHEEL UNIT



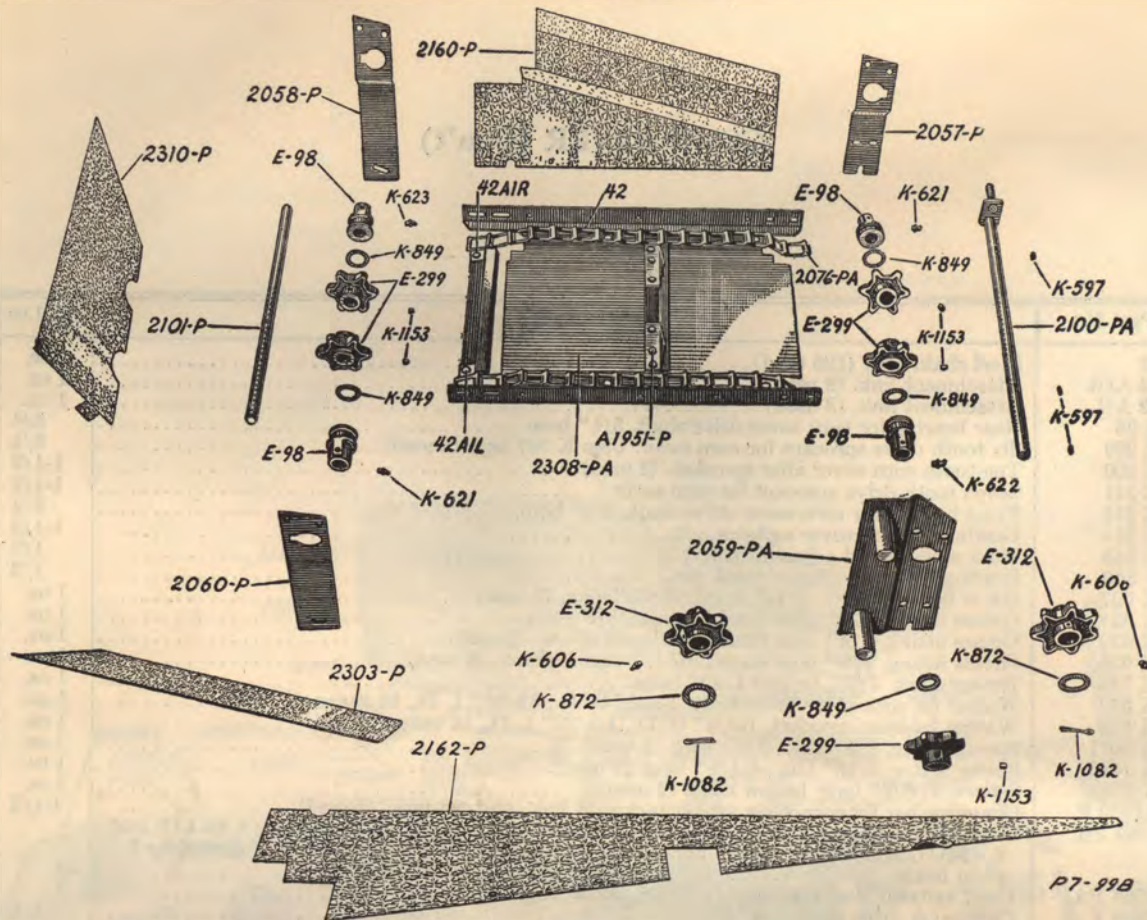
P7-94B

Part No.	Description	Wt. Lbs.
42	Steel chain link. (45 used).....	1 oz.
55	Steel chain link. (26 used).....	1 oz.
E 12	Bearing for presser wheel shaft. (2 used).....	3/4
E 302	Presser wheel supporting arm. (3 used).....	2-1/2
E 303	Six tooth drive sprocket on presser wheel shaft. (4 used).....	1
E 304	Six tooth drive sprocket on presser wheel. (3 used).....	1
E 316	Fifteen tooth drive sprocket on presser wheel shaft, 1" bore.....	4
E 340	Presser wheel adjusting link.....	1/4
K 621	Grease fitting, 1/8" pipe thread, straight. (8 used).....	1 oz.
K 754	Square nut, 5/16", tapped 1/32" large. (6 used).....	1 oz.
K 810	Washer, 7/8" O. D., 3/8" I. D., 18 gauge. (6 used).....	1 oz.
K 814	Washer, 1" O. D., 7/16" I. D., 16 gauge. (3 used).....	1 oz.
K 849	Washer for presser wheel, 1-1/2" O. D., 13/16" I. D., 16 gauge. (3 used).....	1 oz.
K 859	Washer for presser wheel shaft, 1-9/16" O. D., 1-1/32" I. D., 16 gauge. (8 used).....	1 oz.
K 1066	Spring cotter, 3/32" Dia., 3/4" long. (5 used).....	1 oz.
K 1072	Spring cotter, 1/8" Dia., 1" long. (3 used).....	1 oz.
K 1081	Spring cotter, 3/16" Dia., 1" long.....	1 oz.
592 P	Cross pin for presser wheel drive sprocket, 1/4" Dia., 1-3/4" long. (5 used).....	1 oz.
2044 PA	Presser wheel complete. (3 used).....	2-1/4
2095 P	Presser wheel shaft, 1" Rd., 26" long.....	5-1/2
2267 P	Rear bearing plate for presser wheel shaft.....	3/4
2268 P	Front bearing plate for presser wheel shaft.....	3/4
2289 P	Stop rod for presser wheel, 5/16" Rd., 12-7/8" long. (3 used).....	1/2
2346 P	Bushing for stop rods, 1/4" Dia., 2-5/16" long. (3 used).....	2 oz.
2347 P	Spacer for presser wheel shaft, 1" I. D., 3/4" long.....	3 oz.
2404 P	Arm for secondary ear straightener, 7/16" Rd., 14-3/8" long.....	3/4
2469 PA	Presser wheel supporting frame, 1-1/2 x 1-1/2 x 3/16" angle, 40" long.....	6-1/2
2470 P	Slide for presser wheel adjustment, 1/4 x 1-1/4" flat, 14-3/4" long.....	1-1/4
2471 PA	Supporting bracket for stationary ear straightener.....	1-1/4
2472 PA	Support with presser wheel adjusting crank.....	1/2
2604 P	Compression spring for stop rods, 13/16" O. D., 3" long, 12 coils. (3 used).....	3 oz.
2738 P	Pin for secondary ear straightener, 3/8" Dia., 1-1/8" long, oval head.....	1 oz.
1509 S	"A" rivet, 1/4" Dia., 1-3/4" long, oval head. (3 used).....	2 oz.
	Compression spring for secondary ear straightener, 5/8 x 2-5/8" long, 13 coils.....	2 oz.

CORN SAVER (Con't)

Part No.	Description	Wt. Lbs.
42	Steel chain link. (126 used).....	1 oz.
42 A1R	Attachment link. (8 used).....	1 oz.
42 A1L	Attachment link. (8 used).....	1 oz.
E 98	Rear bearing for corn saver drive shaft, 3/4" bore.....	3/4
E 299	Six tooth drive sprocket for corn saver. Uses K 597 key. (2 used).....	3/4
E 300	Ten tooth corn saver idler sprocket. (2 used).....	1-1/2
E 311	Seven tooth drive sprocket for corn saver.....	1-1/2
E 313	Front bearing for corn saver drive shaft, 3/4" bore.....	3/4
E 314	Bearing for corn saver agitator.....	1-1/2
E 345	Husk agitator rod adjustment link.....	1/2
E 346	Bearing on husk agitator crank pin.....	1/2
K 597	No. 9 Woodruff key, 3/16" thick, 21/32" long. (2 used).....	1 oz.
K 621	Grease fitting, 1/8" pipe thread, straight. (2 used).....	1 oz.
K 622	Grease fitting, 1/8" pipe thread, 30 degree elbow. (2 used).....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow. (2 used).....	1 oz.
K 746	Hexagon nut 1/2", tapped 1/32" large.....	1 oz.
K 849	Washer for corn saver drive shaft, 1-1/2" O. D., 13/16" I. D., 16 gauge. (2 used).....	1 oz.
K 872	Washer for idler sprocket, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (2 used).....	1 oz.
K 1071	Spring cotter, 1/8" Dia., 3/4" long. (2 used).....	1 oz.
K 1082	Spring cotter, 3/16" Dia., 1-1/4" long. (2 used).....	1 oz.
K 1153	Set screw, 3/8" long, hollow head. (2 used).....	1 oz.
A1950 P	Conveyor bar for corn saver with attachment link, 15-1/2" long. (8 used).....	1-1/2
1950 PA	Corn saver conveyor with 42 steel chain and A1950 P bar, 126 42 plain links; 8 42-A1R and 8 42-A1L attachment links; 7 bars each followed by 8 plain links and 1 bar followed by 7 plain links.....	20
2054 PA	Husk agitator stud bracket.....	2
2099 P	Corn saver drive shaft, 3/4" Rd., 21-1/2" long. Uses K 597 key.....	2-3/4
2161 PA	Corn saver hood.....	4-1/4
2213 PA	Front wall along husking unit.....	9-1/4
2214 PA	Rear wall along husking unit.....	11
2215 P	Front shield in corn saver.....	2-1/2
2265 P	Brace for agitator bracket 3/16 x 2" flat, 9-1/2" long.....	1
2266 PA	Chain tightener.....	1-1/4
2294 P	Agitator arm, 7-1/16" Rd., 20-1/2" long.....	3/4
2307 P	Shield for husk agitator.....	1/2
2311 P	Rear wall for corn saver, 3 x 26-3/4" long, 18 gauge.....	1
2338 P	Corn saver spout.....	1/4
2387 P	Lower section of rear husking bed wall.....	3
2416 P	Lower perforated sheet for corn saver.....	13
A2416 P	Corn saver complete.....	54
2417 P	Upper perforated sheet for corn saver.....	13
2456 P	Shield on inner wagon elevator support.....	1-1/2
2460 PA	Corn saver spout and inner wagon elevator support.....	3-3/4
2484 P	Front drive shaft bearing plate for corn saver, 3/16 x 2-3/4" flat, 7-1/8" long.....	1
2485 P	Rear drive shaft bearing plate for corn saver, 3/16 x 2-3/4" flat, 8-5/16" long.....	1-1/4
2486 P	Agitator pull rod, 1/2" Rd., 14-7/8" long.....	1
2487 PA	Front bracket for corn saver idler with stud.....	1-1/4
2488 PA	Rear bracket for corn saver idler with stud.....	1-1/4
2513 P	Bushing for husk agitator pull rod, 9/16" O. D., 19/32" long.....	1/4
2518 P	Chain stripper, 4 x 18-3/4" long, 14 gauge.....	1-3/4
2519 P	Return chain slide on corn saver, 1/8 x 1" flat, 2-7/8" long. Not illustrated. (2 used).....	1/4
2522 P	Bushing for husk agitator arm, 9/16" O. D., 1/2" long. Also used on agitator pull rod.....	1 oz.
2586 P	Pin for husk conveyor drive sprocket, 1/4" Dia., 1-5/8" long, oval head.....	1 oz.
2588 P	Pin for husk agitator adjustment link, 5/16" Dia., 2-1/16" long, flat head.....	2 oz.

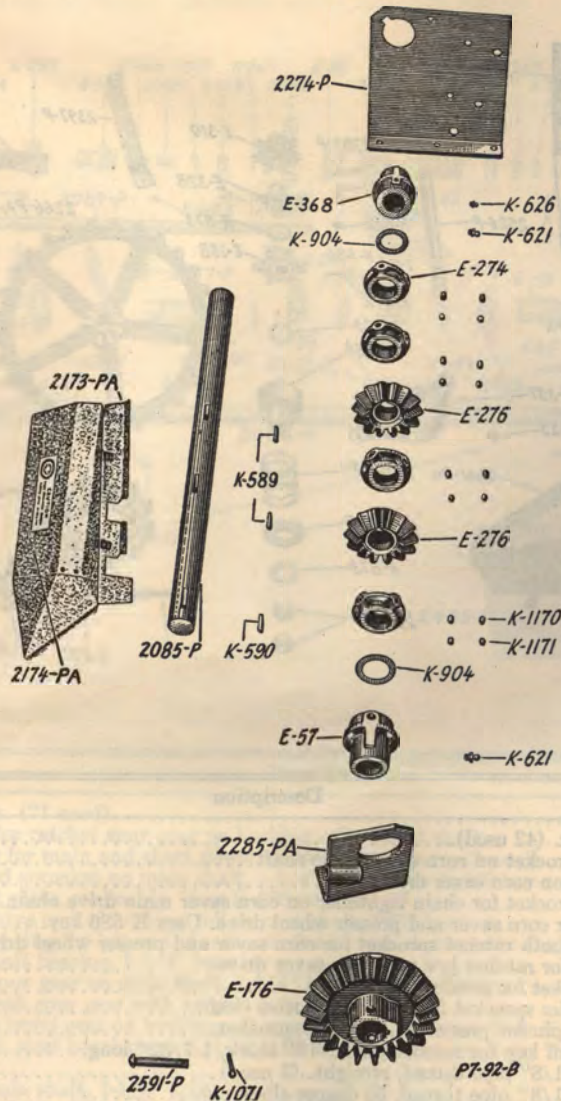
HUSK CONVEYOR



P7-99B

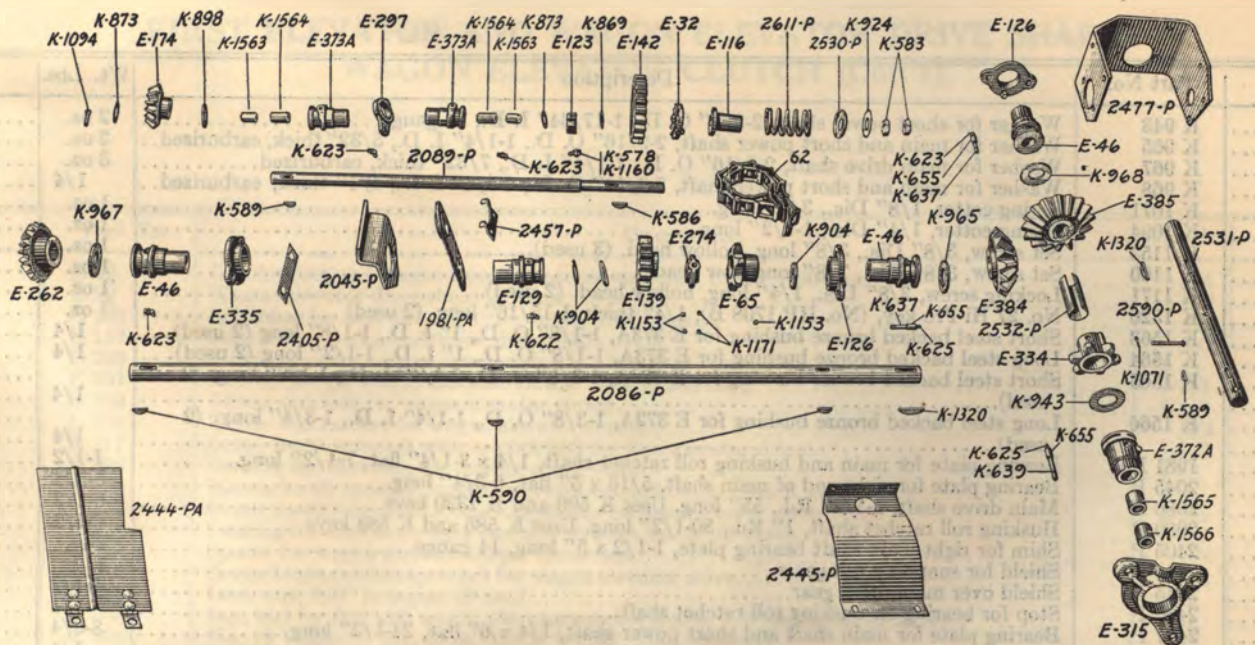
Part No.	Description	Wt. Lbs.
42	Steel chain link (56 used).....	1 oz.
42 A1R	Attachment link. (4 used).....	1 oz.
42 A1L	Attachment link. (4 used).....	1 oz.
E 98	Bearing for husk conveyor drive and idler shaft. (4 used).....	3/4
E 299	Six tooth sprocket for husk conveyor. Uses K 597 key. (3 used).....	3/4
E 312	Seven tooth idler sprocket for husk conveyor and corn saver drive chain. (2 used).....	1-1/4
E 370	Six tooth idler shaft sprocket. (2 used).....	3/4
K 597	No. 9 Woodruff key, 3/16" thick, 21/32" long. (3 used).....	1 oz.
K 606	Grease fitting, 1/8" pipe thread, straight. (2 used).....	1 oz.
K 621	Grease fitting, 1/8" pipe thread, straight. (2 used).....	1 oz.
K 622	Grease fitting, 1/8" pipe thread, 30 degree elbow.....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow.....	1 oz.
K 849	Washer, 1-1/2" O. D., 13/16" I. D., 16 gauge. (5 used).....	1 oz.
K 872	Washer, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (2 used).....	1 oz.
K 1082	Spring cotter, 3/16" Dia., 1-1/4" long. (2 used).....	1 oz.
K 1153	Set screw, 3/8" long, hollow head. (5 used).....	1 oz.
A1951 P	Conveyor bar for husk conveyor with attachment links and steel fins, 13-1/2" long overall. (4 used).....	1-1/4
2057 P	Short rear husk conveyor bearing plate, 3/16 x 2-1/4" flat, 9-5/8" long.....	1
2058 P	Long rear husk conveyor bearing plate, 3/16 x 2-1/4" flat, 12" long.....	1-1/2
2059 PA	Center front husk conveyor and idler shaft bearing plate, 3/16 x 5" flat, 11-1/2" long.....	3
2060 P	Long front husk conveyor bearing plate, 3/16 x 2-1/4" flat, 11-3/8" long.....	1-1/4
2076 PA	Husk conveyor with 42 steel chain and A1951 P bar; 56 42 plain links, 4 42-A1R and 4 42-A1L attachment links, 4 bars each followed by 7 plain links.....	5
2100 PA	Husk conveyor drive shaft with crank arm, 3/4" Rd., 19-3/4" long. Uses K 597 key.....	2-3/4
2101 P	Husk conveyor idler shaft, 3/4" Rd., 17-1/4" long.....	2-1/2
2160 P	Rear wall below husk conveyor.....	1-1/2
2162 P	Front wall below husk conveyor.....	2-1/2
2303 P	Inside front shield, 5" wide, 41-3/4" long, 20 gauge.....	1-1/4
2308 PA	Bottom for husk conveyor, complete.....	5
2310 P	End shield under upper husking unit hanger.....	2

HUSKING UNIT CROSS SHAFT



Part No.	Description	Wt. Lbs.
E 57	Bearing for cross shaft, 1-1/4" bore.....	1-1/4
E 176	Twenty three tooth bevel gear, 1-1/4" bore. Uses K 590 key.....	3-1/2
E 274	Set collar for cross shaft, 1-1/4" bore. (4 used).....	1
E 276	Fourteen tooth bevel gear, 1-1/4" bore. Uses K 589 key. (2 used).....	1-1/4
E 368	Rear cross shaft bearing.....	1-1/4
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (2 used).....	1 oz.
K 590	No. 18 Woodruff key, 1/4" thick, 1-1/8" long.....	1 oz.
K 621	Grease fitting, 1/8" pipe thread, straight. (2 used).....	1 oz.
K 626	Grease fitting, 1/4" 28 thread, straight.....	1 oz.
K 904	Washer, 2" O. D., 1-17/64" I. D., 13 gauge. (2 used).....	1 oz.
K 905	Washer for cross shaft with 1/4" keyway, 2" O. D., 1-17/64" I. D., 13 gauge. (2 used).....	1 oz.
K 1071	Spring cotter, 1/8" Dia., 3/4" long.....	1 oz.
K 1170	Set screw for collars, 3/8" Dia., 1/2" long, cone point, hollow head. (8 used).....	1 oz.
K 1171	Locking screw for K 1170, 3/8" Dia., 1/4" long, hollow head. (8 used).....	1 oz.
2085 P	Cross shaft, 1-1/4" Rd., 22-1/2" long. Uses K 589 and K 590 keys.....	8-1/4
2173 PA	Support for cross shaft shield.....	3-3/4
2174 PA	Gear shield for cross shaft.....	4
2274 P	Rear bearing plate for cross shaft, 3/16 x 8" flat, 9-3/4" long.....	4-3/4
2285 PA	Front bearing plate for cross shaft, 1/4 x 3-3/4" flat, 7-3/8" long.....	1-1/2
2591 P	Pin for bevel gear, 3/8" Dia., 2-1/4" long, oval head.....	2 oz.

MAIN SHAFT AND HUSKING ROLL DRIVE SHAFT



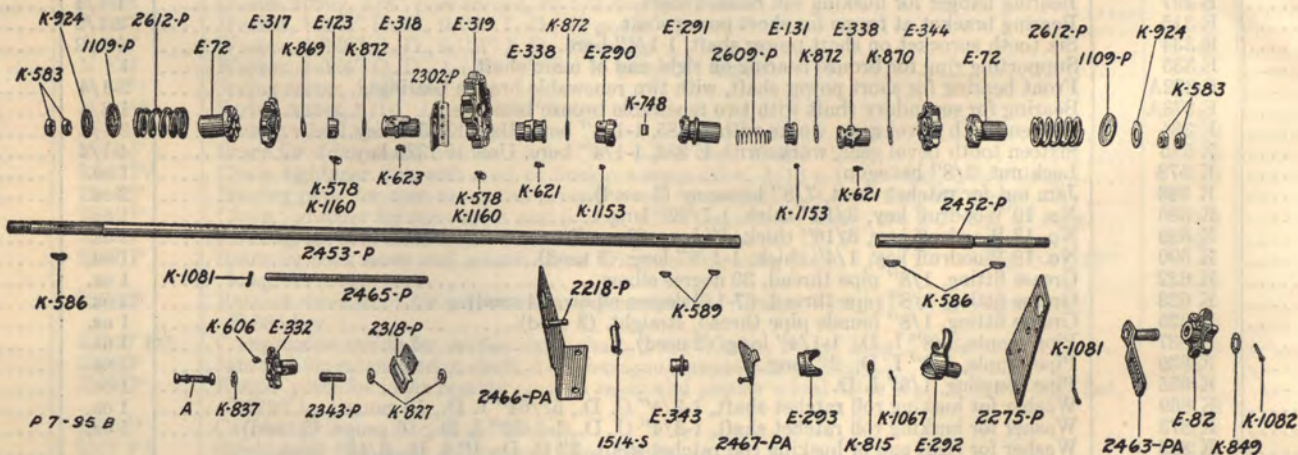
P7-85B

Part No.	Description	Wt. Lbs.
62	Steel chain link. (21 used).....	1 oz.
E 32	Ratchet plate for ratchet spur gear on husking roll ratchet shaft.....	1/2
E 46	Bronze bearing for main and short power shafts, 1-1/4" bore. (3 used).....	2-1/4
E 65	Six tooth chilled sprocket on main shaft, 1-1/4" bore. Uses K 590 key.....	1-1/2
E 116	Cap for ratchet plate, malleable. Uses K 586 key.....	3/4
E 123	Set collar for drive end of husking roll ratchet shaft, 7/8" bore.....	1/4
E 126	Cast supporting ring for left end of main shaft and rear short power shaft. (2 used).....	1-1/2
E 129	Center main shaft bearing, 1-1/4" bore.....	1-1/2
E 139	Fifteen tooth spur gear on main shaft, 1-1/4" bore. Uses K 590 key.....	2-1/4
E 142	Twenty-one tooth spur gear with ratchet hub, 7/8" bore.....	3-1/2
E 174	Fourteen tooth bevel gear on husking roll ratchet shaft, 1" bore. Uses K 589 key.....	2
E 262	Seventeen tooth steel bevel gear on main shaft to drive snapping rolls, 1-1/4" bore. Uses K 590 key.....	2-3/4
E 274	Set collar on main shaft, 1-1/4" bore.....	1
E 297	Bearing hanger for husking roll ratchet shaft.....	1-1/4
E 315	Bearing bracket at frame for short power shaft.....	2-1/2
E 334	Six tooth sprocket on short power shaft, 1-1/4" bore.....	1-1/2
E 335	Supporting ring for bronze bearing on right end of main shaft.....	1
E 372A	Front bearing for short power shaft, with two renewable bronze bearings.....	2-1/4
E 373A	Bearing for secondary shaft with two renewable bronze bearings.....	1-3/4
E 384	Fifteen tooth bevel gear, works with E 385, 1-1/4" bore. Uses K 1320 key.....	3-1/4
E 385	Sixteen tooth bevel gear, works with E 384, 1-1/4" bore. Uses K 1320 key.....	4-1/4
K 578	Lock nut, 3/8" hexagon.....	1 oz.
K 583	Jam nut for ratchet shaft, 7/8" hexagon. (2 used).....	2 oz.
K 586	No. 19 Woodruff key, 3/16" thick, 1-7/32" long.....	1 oz.
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (2 used).....	1 oz.
K 590	No. 18 Woodruff key, 1/4" thick, 1-1/8" long. (3 used).....	1 oz.
K 622	Grease fitting, 1/8" pipe thread, 30 degree elbow.....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow. (4 used).....	1 oz.
K 625	Grease fitting, 1/8" female pipe thread, straight. (2 used).....	1 oz.
K 637	Pipe nipple, 1/8" I. D., 1-1/4" long. (2 used).....	1 oz.
K 639	Pipe nipple, 1/8" I. D., 2" long.....	1 oz.
K 655	Pipe coupling, 1/8" I. D.....	1 oz.
K 869	Washer for husking roll ratchet shaft, 1-3/4" O. D., 57/64" I. D., 16 gauge.....	1 oz.
K 873	Washer for husking roll ratchet shaft, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (2 used).....	1 oz.
K 898	Washer for right end of husking roll ratchet shaft, 2" O. D., 1" I. D., 3/16" thick, carburized.....	2 oz.
K 904	Washer for main shaft, 2" O. D., 1-17/64" I. D., 13 gauge. (3 used).....	1 oz.
K 924	Washer for husking roll ratchet shaft, 2-1/4" O. D., 57/64" I. D., 13 gauge.....	2 oz.

MAIN SHAFT AND HUSKING ROLL DRIVE SHAFT (Con't)

Part No.	Description	Wt. Lbs.
K 943	Washer for short power shaft, 2-3/8" O. D., 1-17/64" I. D., 16 gauge.	2 oz.
K 965	Washer for main and short power shaft, 2-9/16" O. D., 1-1/4" I. D., 5/32" thick, carburized.	2 oz.
K 967	Washer for main drive shaft, 2-9/16" O. D., 1-1/4" I. D., 7/32" thick, carburized.	3 oz.
K 968	Washer for main and short power shaft, 2-9/16" O. D., 1-1/4" I. D., 1/4" thick, carburized.	1/4
K 1071	Spring cotter, 1/8" Dia., 3/4" long.	1 oz.
K 1094	Spring cotter, 1/4" Dia., 1-1/2" long.	1 oz.
K 1153	Set screw, 3/8" Dia., 3/8" long, hollow head. (3 used).	1 oz.
K 1160	Set screw, 3/8" Dia., 7/8" long, low head.	1 oz.
K 1171	Locking screw, 3/8" Dia., 1/4" long, hollow head. (2 used).	1 oz.
K 1320	No. 27 Hi-Pro key, (No. HP 1708 B), 1/4" thick, 1-15/16" long. (2 used).	1 oz.
K 1563	Short steel backed bronze bushing for E 373A, 1-1/8" O. D., 1" I. D., 1-1/8" long (2 used).	1/4
K 1564	Long steel backed bronze bushing for E 373A, 1-1/8" O. D., 1" I. D., 1-1/2" long (2 used).	1/4
K 1565	Short steel backed bronze bushing for E 372A, 1-3/8" O. D., 1-1/4" I. D., 1-1/8" long. (2 used).	1/4
K 1566	Long steel backed bronze bushing for E 372A, 1-3/8" O. D., 1-1/4" I. D., 1-3/4" long. (2 used).	1/4
1981 PA	Bearing plate for main and husking roll ratchet shaft, 1/4 x 3-1/4" flat, 7-1/2" long.	1-1/2
2045 P	Bearing plate for right end of main shaft, 5/16 x 5" flat, 6-3/4" long.	3-3/4
2086 P	Main drive shaft, 1-1/4" Rd., 55" long. Uses K 590 and K 1320 keys.	6-1/2
2089 P	Husking roll ratchet shaft, 1" Rd., 30-1/2" long. Uses K 586 and K 589 keys.	6-1/2
2405 P	Shim for right main shaft bearing plate, 1-1/2 x 5" long, 14 gauge.	2 oz.
2444 PA	Shield for snapping roll gears.	1
2445 P	Shield over main drive gear.	1-1/2
2457 P	Stop for bearing on husking roll ratchet shaft.	1/4
2477 P	Bearing plate for main shaft and short power shaft, 1/4 x 6" flat, 24-1/2" long.	8-3/4
2530 P	Cap for ratchet spring.	1/4
2531 P	Short power shaft, 1-1/4" Rd., 17-7/8" long. Uses K 589 and K 1320 keys.	6-1/4
2532 P	Spacer on short power shaft.	1-1/4
2590 P	Pin for sprocket on short power shaft, 5/16" Dia., 2-1/4" long.	2 oz.
2611 P	Compression spring for husking roll ratchet, 2-5/16" O. D., 3-5/8" long, 7 coils.	1/2

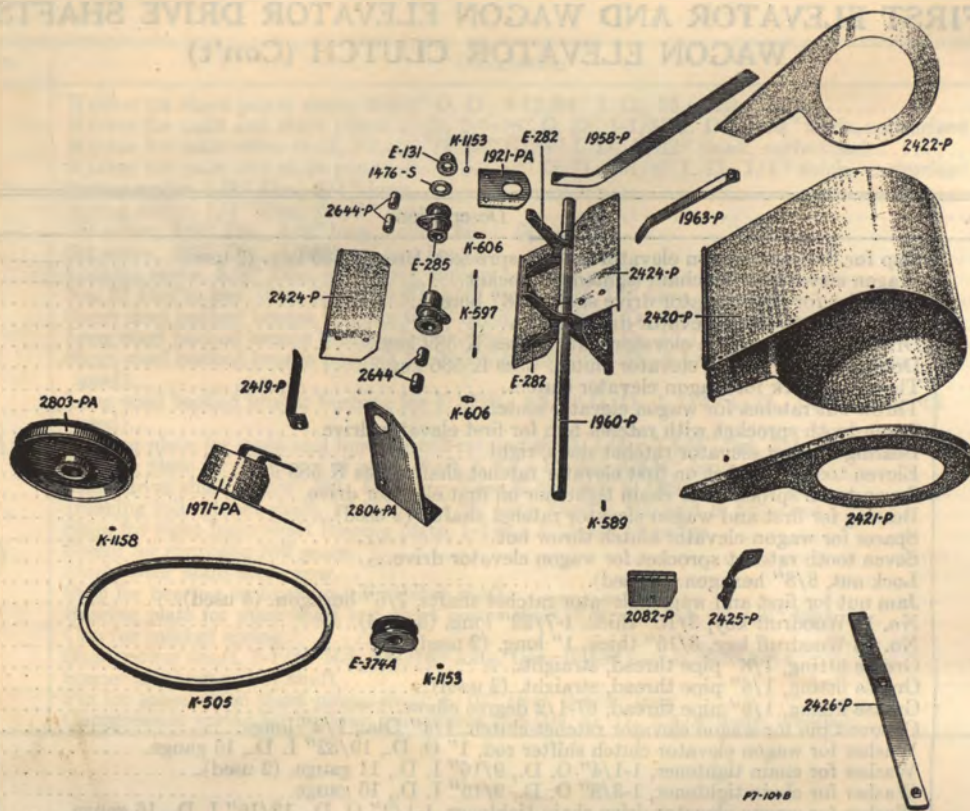
FIRST ELEVATOR AND WAGON ELEVATOR DRIVE SHAFTS WAGON ELEVATOR CLUTCH



FIRST ELEVATOR AND WAGON ELEVATOR DRIVE SHAFTS WAGON ELEVATOR CLUTCH (Con't)

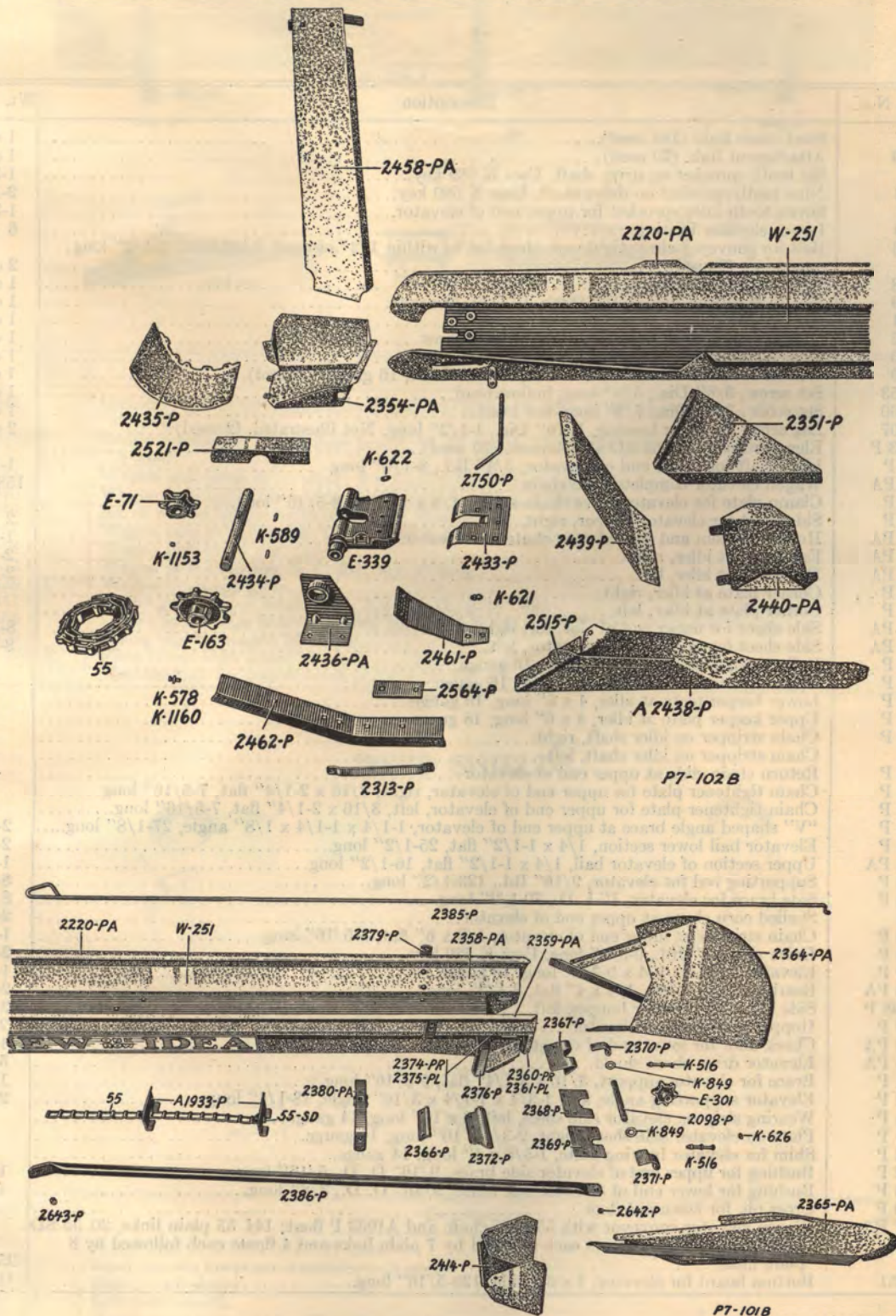
Part No.	Description	Wt. Lbs.
E 72	Cap for first and wagon elevator ratchet sprocket. Uses K 586 key. (2 used).....	1-3/4
E 82	Wagon elevator drive chain tightener sprocket.....	1-1/2
E 123	Set collar for first elevator drive shaft, 7/8" bore.....	1/4
E 131	Set collar for wagon elevator drive shaft.....	1/2
E 290	Driving jaw for wagon elevator clutch. Uses K 589 key.....	1
E 291	Driven jaw for wagon elevator clutch. Uses K 586 key.....	1-1/4
E 292	Throw out fork for wagon elevator clutch.....	1-1/4
E 293	Throw out ratchet for wagon elevator clutch.....	3/4
E 317	Seven tooth sprocket with ratchet hub for first elevator drive.....	1-1/2
E 318	Bearing for first elevator ratchet shaft, right.....	1
E 319	Eleven tooth sprocket on first elevator ratchet shaft. Uses K 589 key.....	3
E 332	Seven tooth sprocket for chain tightener on first elevator drive.....	1-1/2
E 338	Bearing for first and wagon elevator ratchet shafts. (2 used).....	1-1/2
E 343	Spacer for wagon elevator clutch throw out.....	1/4
E 344	Seven tooth ratchet sprocket for wagon elevator drive.....	1-1/2
K 578	Lock nut, 3/8" hexagon. (2 used).....	1 oz.
K 583	Jam nut for first and wagon elevator ratchet shafts, 7/8" hexagon. (4 used).....	2 oz.
K 586	No. 19 Woodruff key, 3/16" thick, 1-7/32" long. (3 used).....	1 oz.
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (2 used).....	1 oz.
K 606	Grease fitting, 1/8" pipe thread, straight.....	1 oz.
K 621	Grease fitting, 1/8" pipe thread, straight. (2 used).....	1 oz.
K 623	Grease fitting, 1/8" pipe thread, 67-1/2 degree elbow.....	1 oz.
K 748	Grooved pin for wagon elevator ratchet clutch, 1/4" Dia., 1/2" long.....	1 oz.
K 815	Washer for wagon elevator clutch shifter rod, 1" O. D., 19/32" I. D., 16 gauge.....	1 oz.
K 827	Washer for chain tightener, 1-1/4" O. D., 9/16" I. D., 11 gauge. (2 used).....	1 oz.
K 837	Washer for chain tightener, 1-3/8" O. D., 9/16" I. D., 16 gauge.....	1 oz.
K 849	Washer for wagon elevator drive chain tightener, 1-1/2" O. D., 13/16" I. D., 16 gauge.....	1 oz.
K 869	Washer for first elevator ratchet shaft, 1-3/4" O. D., 57/64" I. D., 16 gauge.....	1 oz.
K 870	Washer for wagon elevator ratchet shaft, 1-3/4" O. D., 7/8" I. D., 7 gauge.....	1 oz.
K 872	Washer for first and wagon elevator ratchet shaft, 1-3/4" O. D., 1-1/32" I. D., 16 gauge. (3 used).....	1 oz.
K 924	Washer for end of first and wagon elevator ratchet shaft, 2-1/4" O. D., 57/64" I. D., 13 gauge. (2 used).....	2 oz.
K 1067	Spring cotter, 3/32" Dia., 3/4" long.....	1 oz.
K 1081	Spring cotter, 3/16" Dia., 1" long. (2 used).....	1 oz.
K 1082	Spring cotter, 3/16" Dia., 1-1/4" long.....	1 oz.
K 1153	Set screw, 3/8" Dia., 3/8" long, hollow head. (2 used).....	1 oz.
K 1160	Set screw, 3/8" Dia., 7/8" long, low head. (2 used).....	1 oz.
1109 P	Cap for first and wagon elevator ratchet spring. (2 used).....	1/4
2218 P	Limit stop for wagon elevator clutch throw out pawl, 3/8" Rd., 1-15/16" long.....	2 oz.
2275 P	Bearing plate for wagon elevator ratchet shaft, left.....	2 oz.
2302 P	Bearing plate for first elevator ratchet shaft, right, 1-1/2 x 2-1/2 x 3/16" angle, 5-3/4" long..	1-1/4
2318 P	Chain tightener bracket for first elevator drive, 3/16 x 4" flat, 3-1/2" long.....	1/2
2343 P	Bushing for chain tightener on first elevator drive, 3/4" O. D., 2-5/16" long.....	2 oz.
2452 P	Ratchet shaft for wagon elevator drive, 1" Rd., 13-3/4" long. Uses K 586 key.....	3
2453 P	Ratchet shaft for first elevator drive, 1" Rd., 57-1/4" long. Uses K 586 and K 589 keys.....	13-1/4
2463 PA	Wagon elevator drive chain tightener with stud and sprocket, 1/2 x 1-3/4" flat, 6-3/4" long..	2-1/4
A2463 PA	Wagon elevator drive chain tightener with stud only, 1/4 x 1-3/4" flat, 6-3/4" long.....	1-1/2
2465 P	Clutch shifter rod for wagon elevator, 1/2" Rd., 11-3/4" long.....	3/4
2466 PA	Bearing plate for first elevator ratchet shaft, left.....	2-1/4
2467 PA	Throw out pawl for wagon elevator clutch, 3/16 x 3" flat, 5-1/2" long.....	1/4
2609 P	Compression spring for wagon elevator clutch, 1-1/16" I. D., 2-7/8" long.....	1/4
2612 P	Compression spring for first and wagon elevator ratchet shafts, 2-1/2" O. D., 3-3/4" long, 3/8" wire.....	1/2
1514 S	Extension spring for wagon elevator throw out clutch, 5/8" O. D., 2-1/4" long, overall 3-1/2", 41 coil.....	1/4

CLEANING FAN



Part No.	Description	Wt. Lbs.
E 131	Set collar on fan shaft, 1".....	1/2
E 282	Spider for fan. Uses K 597 key. (2 used).....	3-1/4
E 285	Bearing for fan shaft, bronze lined. (2 used).....	1-1/2
E 374 A	Sheave for fan shaft, 3-1/8" Dia. Uses K 589 key.....	2
K 505	"V" belt.....	2
K 589	No. 13 Woodruff key, 3/16" thick, 1" long.....	1 oz.
K 597	No. 9 Woodruff key, 3/16" thick, 21/32" long. (2 used).....	1 oz.
K 606	Grease fitting, 1/8" pipe thread, straight. (3 used).....	1 oz.
K 1153	Set screw, 3/8" Dia., 3/8" long, hollow head. (2 used).....	1 oz.
K 1158	Set screw, 3/8" Dia., 3/4" long.....	1 oz.
1921 PA	Rear bearing plate with stud, 1/4 x 3-1/4" flat, 4-5/8" long.....	1-1/4
1958 P	Rear supporting bracket for fan, 1-3/8 x 1-3/8 x 5/32" angle, 23-7/16" long.....	2-1/2
1960 P	Shaft for fan, 1" Rd., 31-1/4" long. Uses K 589 and K 597 keys.....	7
1963 P	Brace for rear supporting bracket, 3/16 x 1-1/4" flat, 11-5/8" long.....	3/4
1971 PA	Shield for fan belt.....	3
2082 P	Chain slide for fan housing.....	1/2
2419 P	Brace for front bearing bracket, 3/16 x 1-1/4" flat, 8-3/8" long.....	3/4
2420 P	Housing for fan.....	8-3/4
2421 P	Front end for fan housing.....	2
2422 P	Rear end for fan housing.....	2
2424 P	Blades for fan. (4 used).....	1
2425 P	Front fan housing support, 3-1/2 x 4-1/2" long, 14 gauge.....	1/4
2426 P	Vertical fan housing support, front, 3/16 x 1-1/4" flat, 19-13/16" long.....	3
2644 P	Bushing (Oilite) for fan bearings, 1-1/4" O. D., 1" I. D., 1-1/4" long. (4 used).....	1/4
1476 S	Washer for fan shaft, 2" O. D., 1-1/32" I. D., 16 gauge. (2 used).....	1 oz.
2803 PA	Driving sheave for fan, 7" Dia. Uses K 589 key.....	2
2804 PA	Front bearing support assembly, 3/16 x 4-1/2" flat, 13-5/8" long.....	3-1/2

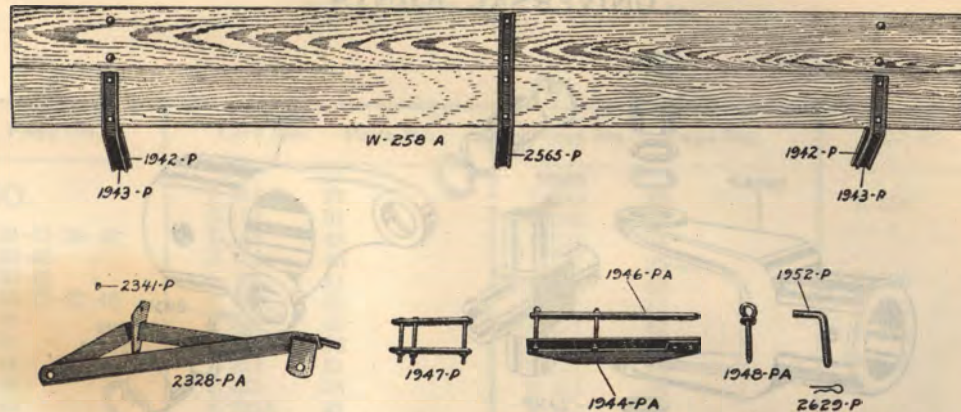
WAGON ELEVATOR



WAGON ELEVATOR (Con't)

Part No.	Description	Wt. Lbs.
55	Steel chain link. (144 used).....	1 oz.
55 SD	Attachment link. (20 used).....	1 oz.
E 71	Six tooth sprocket on drive shaft. Uses K 589 key.....	1-3/4
E 163	Nine tooth sprocket on drive shaft. Uses K 589 key.....	2-1/4
E 301	Seven tooth idler sprocket for upper end of elevator.....	1-3/4
E 339	Lower elevator bearing.....	6
K 516	Bolt for conveyor chain tightener, threaded to within 1/2" of head, 3/8" Dia., 3-1/2" long, machine. (2 used).....	2 oz.
K 578	Lock nut, 3/8" hexagon.....	1 oz.
K 589	No. 13 Woodruff key, 3/16" thick, 1" long. (2 used).....	1 oz.
K 621	Grease fitting, 1/8" pipe thread, straight.....	1 oz.
K 622	Grease fitting, 1/8" pipe thread, 30-degree elbow.....	1 oz.
K 626	Grease fitting, 1/4" 28 thread, straight.....	1 oz.
K 849	Washer for idler shaft, 1-1/2" O. D., 13/16" I. D., 16 gauge. (2 used).....	1 oz.
K 1153	Set screw, 3/8" Dia., 3/8" long, hollow head.....	1 oz.
K 1160	Set screw, 3/8" Dia., 7/8" long, low head.....	1 oz.
K 1207	Lag screw for lower bearing, 5/16" Dia., 1-1/2" long. Not illustrated. (2 used).....	2 oz.
A1933 P	Elevator float with 55 SD attachment. (20 used).....	3/4
2098 P	Idler shaft for upper end of elevator, 3/4" Rd., 8-1/4" long.....	1-1/4
2220 PA	Wagon elevator complete with chain.....	158
2313 P	Clamp plate for elevator drive chain shield, 1/8 x 1" flat, 8-5/16" long.....	1/4
2351 P	Side sheet for elevator hopper, right.....	2
2354 PA	Hopper bottom and shelled corn chute for elevator.....	1-3/4
2358 PA	Extension at idler, right.....	2-1/4
2359 PA	Extension at idler, left.....	2-1/4
2360 P	Corner plate at idler, right.....	1/4
2361 P	Corner plate at idler, left.....	1/4
2364 PA	Side sheet for upper end of elevator, right.....	8-1/4
2365 PA	Side sheet for upper end of elevator, left.....	8-1/4
2366 P	Bail guard, 2-13/16 x 5-7/8" long, 16 gauge.....	1/2
2367 P	Upper chain guard, 6-5/16 x 6" long, 16 gauge.....	3/4
2368 P	Lower keeper plate at idler, 4 x 6" long, 16 gauge.....	1/2
2369 P	Upper keeper plate at idler, 4 x 6" long, 18 gauge.....	1/2
2370 P	Chain stripper on idler shaft, right.....	1/4
2371	Chain stripper on idler shaft, left.....	1/4
2372 P	Return chain slide at upper end of elevator.....	1/2
2374 P	Chain tightener plate for upper end of elevator, right, 3/16 x 2-1/4" flat, 7-5/16" long.....	3/4
2375 P	Chain tightener plate for upper end of elevator, left, 3/16 x 2-1/4" flat, 7-5/16" long.....	3/4
2376 P	"V" shaped angle brace at upper end of elevator, 1-1/4 x 1-1/4 x 1/8" angle, 27-1/8" long.....	2-1/4
2379 P	Elevator bail lower section, 1/4 x 1-1/2" flat, 25-1/2" long.....	2-3/4
2380 PA	Upper section of elevator bail, 1/4 x 1-1/2" flat, 16-1/2" long.....	1-3/4
2385 P	Supporting rod for elevator, 9/16" Rd., 123-1/2" long.....	8-3/4
2386 P	Side brace for elevator, 1" I. D., 70-1/2" long.....	8
2414	Shelled corn chute at upper end of elevator.....	2-1/2
2433 P	Chain stripper at lower end of elevator, 1/8 x 6" flat, 5-5/16" long.....	1-1/4
2434 P	Drive shaft, 1" Rd., 9-3/4" long. Uses K 589 key.....	2-1/2
2435 P	Elevator boot, 12-1/4 x 9-3/8" long, 18 gauge.....	1-3/4
2436 PA	Bearing bracket, left, 1/4 x 4" flat, 8-1/2" long.....	2-1/2
A2438 P	Side sheet for elevator hopper, left.....	3
2439 P	Hopper end sheet for elevator.....	2
2440 PA	Check door for lower end of elevator.....	1-1/2
2458 PA	Elevator drive chain shield.....	5-3/4
2461 P	Brace for elevator support, 3/16 x 3-1/4" flat, 9-3/16" long.....	1-1/2
2462 P	Elevator supporting angle, left, 1-3/4 x 1-1/4 x 3/16" angle, 18-1/4" long.....	2-3/4
2515 P	Wearing strip on elevator side sheet, left, 3 x 10" long, 14 gauge.....	3/4
2521 P	Plate on elevator side sheet, right, 2-3/4 x 10" long, 14 gauge.....	1/2
2564 P	Shim for elevator bearing plate, 1-5/8 x 4" long, 14 gauge.....	1/4
2642 P	Bushing for upper end of elevator side brace, 9/16" O. D., 5/16" long.....	1 oz.
2643 P	Bushing for lower end of elevator side brace, 9/16" O. D., 3/8" long.....	1 oz.
2750 P	Cross pin for clean out door.....	1/4
2797 PA	Wagon elevator conveyor with 55 steel chain and A1933 P float; 144 55 plain links, 20 55 SD attachment links, 16 floats each followed by 7 plain links and 4 floats each followed by 8 plain links.....	25
W 251	Bottom board for elevator, 1 x 6" wide, 125-5/16" long.....	11

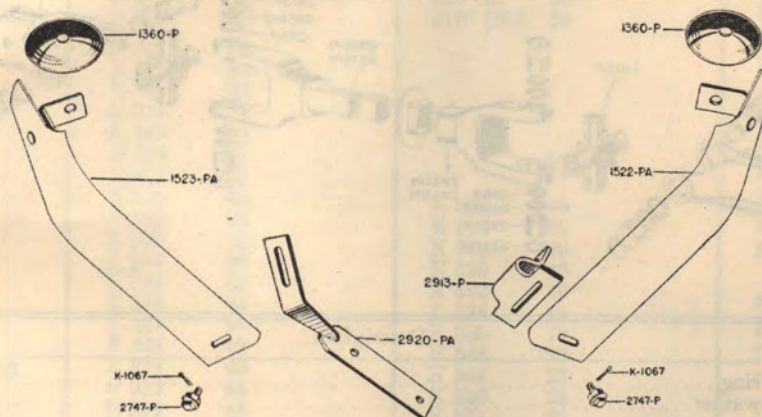
FLARE BOARDS, WAGON POLE IRONS AND WAGON HITCH



P 7-105 B

Part No.	Description	Wt. Lbs.
1942 P	Outside bracket for wagon flare board, 15/32 x 1-15/32 x 5/32" channel, 16-1/2" long. (2 used).....	1-3/4
1943 P	Inside bracket for wagon flare board, 15/32 x 1-15/32 x 5/32" channel, 10-3/4" long. (2 used).....	1
1944 PA	Wagon pole lower hitch strap, 2 x 1-1/2 x 3/16" angle, 15-1/8" long.....	2-1/2
1946 P	Wagon pole upper hitch strap, 5/16 x 2" flat, 15-1/8" long.....	2-1/2
1946 PA	Set of wagon tongue hitch irons. Not illustrated.....	7-1/4
1947 P	Wagon pole side plates, 3/16 x 1-3/4" flat, 6-3/4" long.....	3/4
1948 PA	Wagon pole screw pin.....	1/2
1952 P	Wagon pole hitch pin, 3/4" Rd., 8-1/2" long.....	1
2328 PA	Wagon hitch complete.....	7-1/2
2341 P	Bushing for wagon hitch plate, 3/4" O. D., 5/16" long.....	1 oz.
2565 P	Center inside flare board bracket, 15/32 x 1-15/32 x 5/32" channel, 16-1/2" long.....	1-3/4
2629 P	Spring clip for wagon hitch pin.....	1 oz.
W 258 A	Flare board with irons. (2 used).....	2 oz.
	Machine bolt for wagon hitch plate, 1/2" Dia., 1-1/4" long, machine. (3 used).....	

WEED SHIELDS

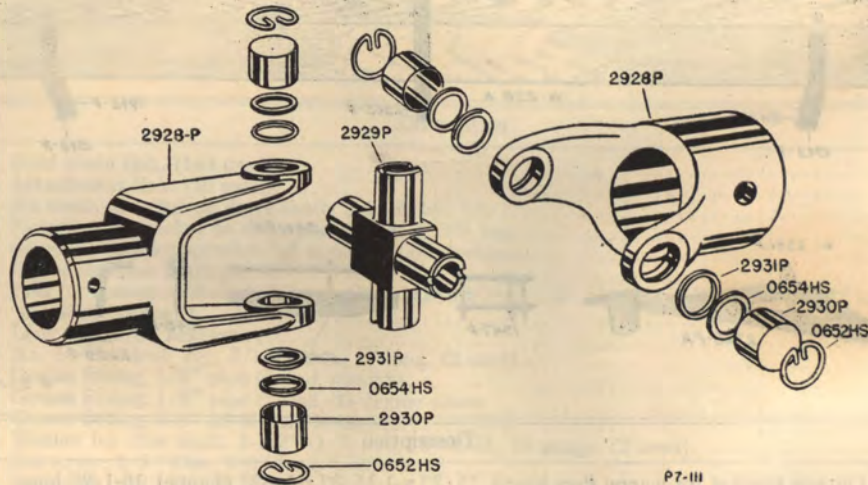


P7-113

Part No.	Description	Wt. Lbs.
K 1067	Spring cotter, 3/32 x 3/4". (2 used).....	1 oz.
1360 P	Sand cup for lower idler sprocket. (2 used).....	1/4
1522 PA	Right weed shield.....	1-3/4
1523 PA	Left weed shield.....	1-3/4
2747 P	Weed shield bolt, 5/16 x 1" machine bolt and nut. (2 used).....	1 oz.
2913 PA	Weed shield bracket, right.....	1/4
2920 PA	Weed shield bracket, left.....	1 2

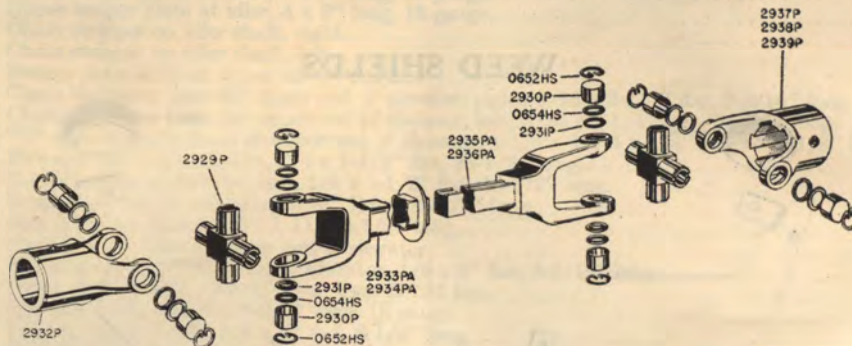
FLARE BOARDS, WAGON POLE IRONS AND WAGON HITCH

UNIVERSAL JOINTS



Part No.	Description	Wt. Lbs.
0652 HS	Snap ring.....	
0654 HS	Cork washer.....	
2928 P	Plain yoke, 1-1/4" bore.....	
2929 P	Center cross.....	
2930 P	Bushing.....	
2931 P	Cork retainer.....	

UNIVERSAL JOINTS AND SHAFT ASSEMBLY



Part No.	Description	Wt. Lbs.
0652 HS	Snap ring.....	
0654 HS	Cork washer.....	
2929 P	Center cross.....	
2930 P	Bushing.....	
2931 P	Cork retainer.....	
2932 P	Plain yoke, 1-1/4" Rd.....	
2933 PA	Plain yoke with square tube, (short).....	
2934 PA	Plain yoke with square tube, (long).....	
2935 PA	Yoke with square shaft, (short).....	
2936 PA	Yoke with square shaft, (long).....	
2937 P	Yoke, 1-1/8" spline.....	
2938 P	Yoke, 1-3/8" spline.....	
2939 P	Yoke, 1-3/4" spline.....	

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Most farm accidents, like industrial, home and highway accidents, are caused by the failure of some individual to observe simple and fundamental safe rules or precaution. For this reason farm accidents, just as other types of accidents, can be prevented by recognizing the cause of accidents and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of farm equipment, there are many points that cannot be completely safeguarded without interfering with accessibility and efficient operation.

A careful operator is the best insurance against an accident.

The complete observance of one simple rule would prevent many thousands serious injuries each year. That rule is "NEVER ATTEMPT TO CLEAN, OIL, OR ADJUST A MACHINE WHILE IN MOTION."

—National Safety Council