

**PARTS PRICE LIST**

INSTRUCTIONS *for* ASSEMBLING  
*and*  
OPERATING

THE 27 MODEL  
**GLEANER**

MANUFACTURED BY  
**THE  
GLEANER COMBINE HARVESTER  
CORPORATION**

General Office:  
Land Bank Building, Kansas City, Mo.

Factory:  
Independence, Missouri

Catalog No. 27

## Directions for Ordering Repairs

Repairs are cash. If payment does not accompany order, the parts will be shipped collect.

Order by name and number. Always give the number of your Gleaner.

Write your name and address plainly. Mention if your shipping station is different than your address.

If not otherwise ordered, repairs will be shipped by express or parcel post.

It will be more convenient for you to order repairs through your dealer.

The price of repairs are subject to change without notice.

When parts are ordered by telegraph, the message should be prepaid.

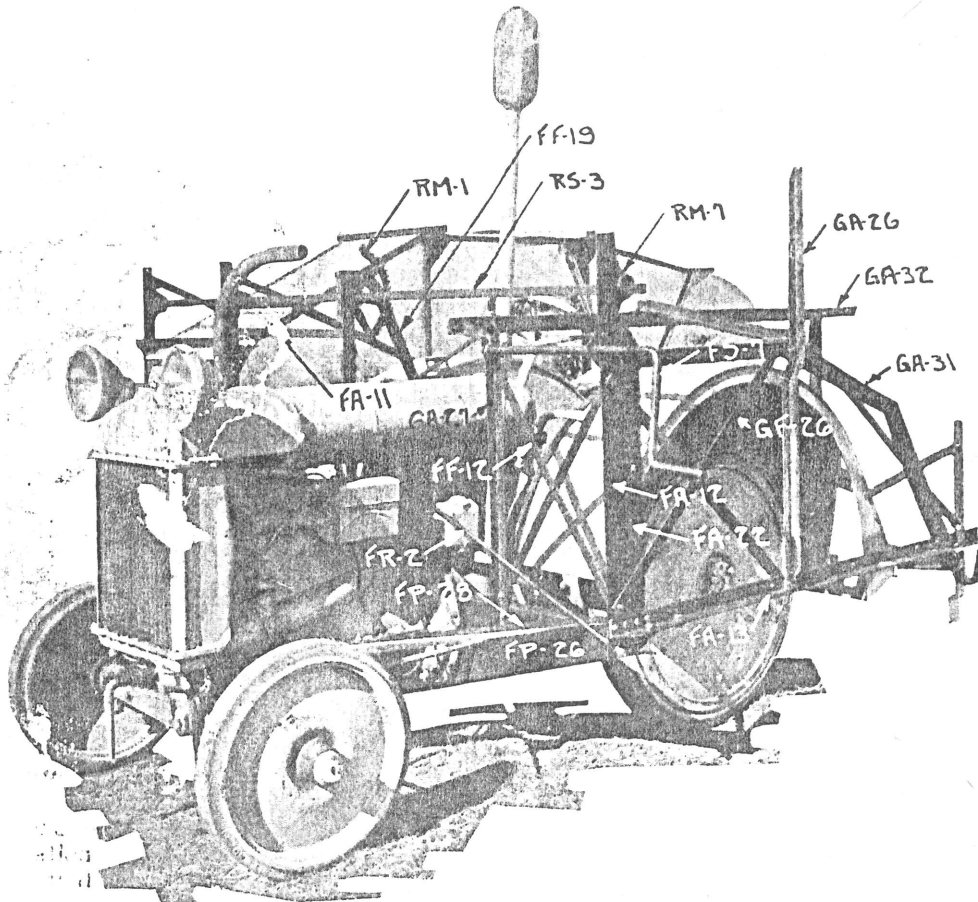
Freight or express on returned parts should be prepaid and shipper's name must appear on the package, and a letter with a list of the returned parts mailed to our office.

## Instructions for Mounting the Gleaner on a Fordson

1. Before mounting the harvester on the tractor, make sure that the tractor is in good condition, ready to develop its full rated power. If there is a new tractor to be used, it should be given a long run and kept well lubricated and properly cooled to limber up the parts and smooth up the cylinders. A tractor usually requires two to four days to limber up and reach its rated power.
2. If a used tractor is to operate the harvester, a careful inspection is necessary. Every part should be in readiness to perform its allotted task with the tractor developing its rated power, valves seating properly, cylinders showing good compression, ignition apparatus in perfect order and the radiator clean inside and out. The fan blades must be set at proper angles and a good fan belt keeping the fan at correct speed. All worn parts should be replaced and the whole machine put in readiness for continued service so repairs during harvest will be unnecessary. Make all needed tractor repairs before starting to mount the harvester.
3. A Fordson has no need for lugs on the drive wheels when being used for harvesting ordinary fields with the GLEANER. The machine will travel over soft ground and operate easier if the lugs are removed from the tractor drive wheels and extension rims added.
4. Best results can be obtained by the use of the special GLEANER extension rims which are solidly attached to the wheel by means of flat steel bars bolted across the wheel and rim.
5. When purchasing a Fordson for use with the GLEANER, select a tractor with the agricultural gear. This type gear leaves more power available for driving the harvester and is better for plowing and general farm use.
6. The operator should learn to guide and control his machine before starting to harvest. When he has become familiar with the details of the harvester, he should select a favorable field in which to learn how to best manage and adjust his machine. When he has mastered the operation, he may then undertake the more difficult work. Operating instructions are furnished with the GLEANER and every GLEANER operator should read and study these instructions.
7. Every tractor used for GLEANER harvesting should be equipped with the following essential accessories, which may be obtained from any Ford Dealer:
  - (1) Extension Rims on Rear Wheels.
  - (2) Regular Fordson Fenders.
  - (3) Regular Fordson Belt Drive Unit.
  - (4) A good Tractor Governor.

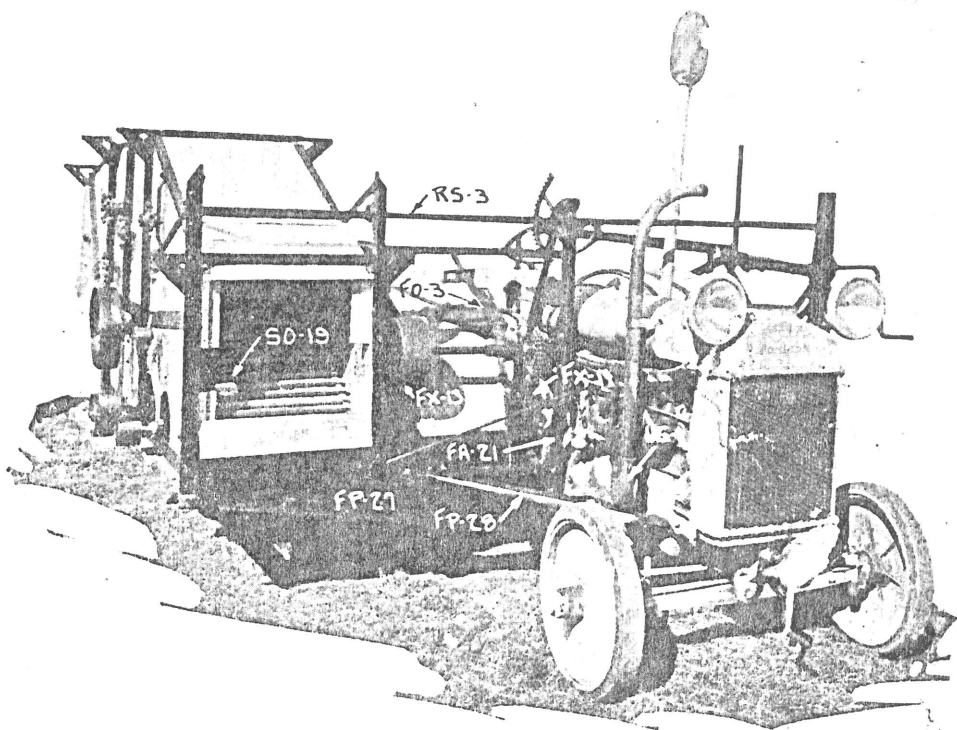
The following special Fordson accessories are furnished free with every GLEANER:

- (1) Exhaust Elbow to divert exhaust from stubble and minimize fire risk.
- (2) Camel Clenair attachments for furnishing clean air to the Fordson Air Washer.
- (3) Extension Steering Post.
- (4) Seat Spring Extension.
- (5) Auxiliary Water Supply Tank for Fordson.
- (6) Special Radiator Hood to keep dirt from the radiator.



### Mounting of Gleaner

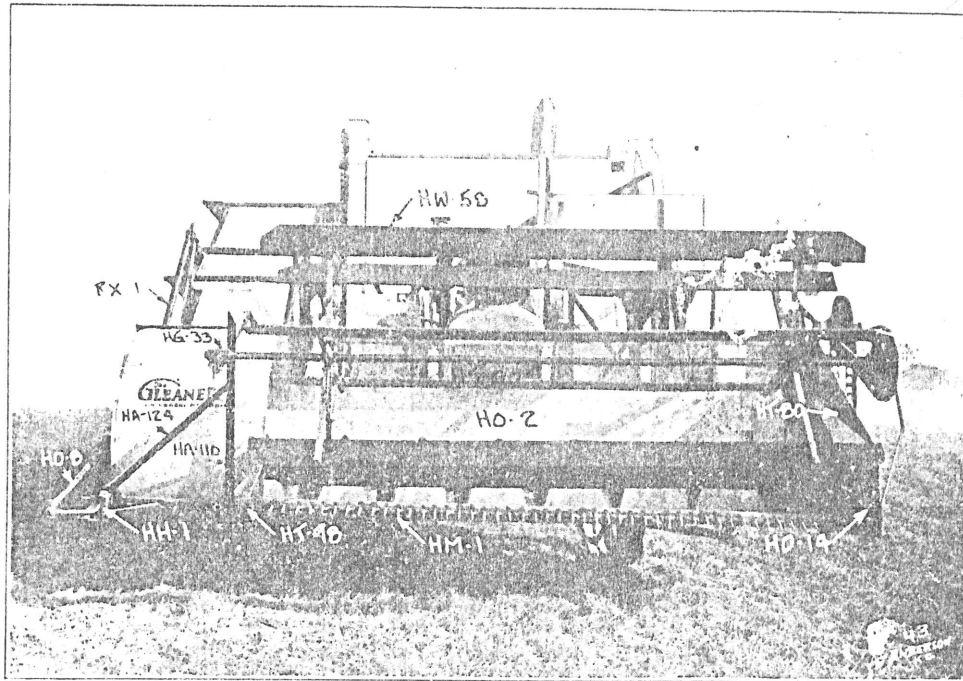
8. Unpack the parts. Place the Separator on the right side of the tractor, the harvester in front and the grain bin at the left. READ THE INSTRUCTIONS FOR MOUNTING FOUND IN THE GLEANER PARTS LIST CATALOG packed in the small box of parts.
9. Examine parts to see if any thing has been broken in shipment. If broken or damaged parts are found, report to Railway Agent and have damage noted on expense bill. Notify the manufacturer at once if damaged or broken parts are found.
10. After testing the tractor with care to determine it is in good working order, the tractor accessories should be attached. These are the seat extension, steering post extension, exhaust elbow, Camel Cleonair, and auxiliary water tank furnished with the GLEANER. The power take-off unit less the pulley should be put in place and extension rims bolted to the wheels. Attach the governor and see that all parts are working free. Test the governor to determine if it will hold the tractor to its standard speed when idle and under load.
11. See that tractor wheels are on tractor as far as possible. When wheels are correctly in place the width of wheels from outside to outside, including extensions should be  $75\frac{3}{8}$  inches.



12. Remove cast plugs from oil holes in rear axle bearings and replace with Alemite-Zerk Oilers with  $\frac{3}{8}$ " bushing attached. Remove the belt pulley from belt unit and replace with 20-tooth double steel cut sprocket furnished with the GLEANER. The sprocket is secured to belt unit with same fixture as belt pulley. Before placing the sprocket on power unit, remove six 1/2" bolts from each side of flange where motor and transmission connect, three bolts above center line and three below, also the two front bolts on each side of flange where oil pan is connected with motor. Next, place right hand bolster (FP-27) which is the longest of the two against transmission flange on side of flange nearest rear axle. (Attach main chain tightener bracket to right front bolster before bolster is put in place) and bolt to plate securely with the extra bolts furnished. Proceed the same with bolster (FP-26). It will be necessary to disconnect steering connection rod at front knuckle and slip same through round hole in bolster. Place the diagonal braces (FP-28 and FP-29) on their respective sides and fasten to front end of oil pan on top of flange with bolts furnished with GLEANER and bolt outer ends to bolsters. Place tractor platform (FO-14) furnished with GLEANER on tractor by removing regular platform on tractor.

13. The GLEANER platform is secured by bolting to wishbone, or fender supports, using the two rear bolt holes of regular platform for front holes in GLEANER platform. Ream the holes in the tractor "wishbone." Bolt platform in place. Use holes in the platform braces as template and center punch location of other holes in wishbone and fender skirt. Drill and tap wishbone and fender holes where necessary. Use great care to see that holes line up and that BACK EDGE of PLATFORM PARALLELS the TRACTOR AXLE.

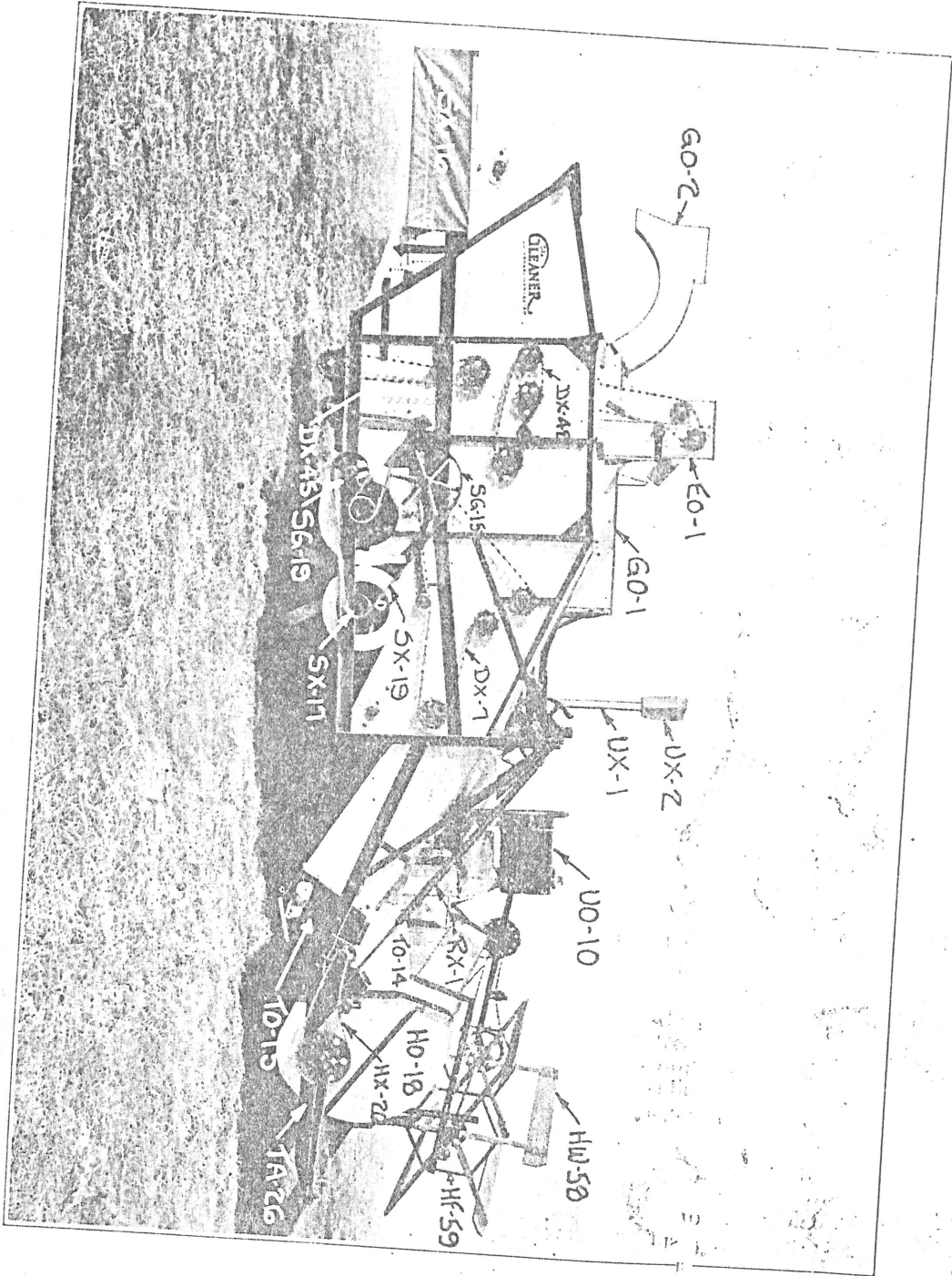




17. Put on right front grain bin post (GA-27) which is bolted in vertical position on left bolster next to transmission as quadrant post on opposite side. Put on flat cross braces (FF-12) from this post to left corner pivot post.

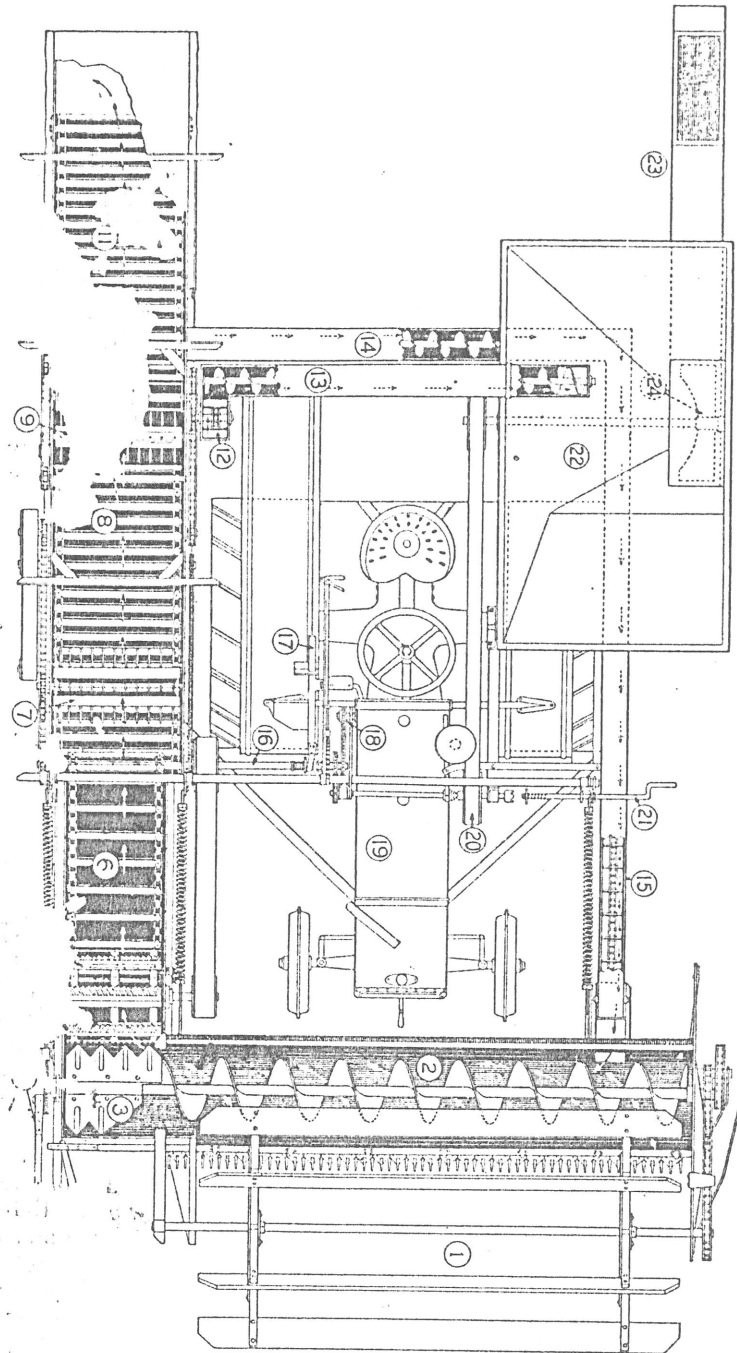
18. Bolt (GA-28) grain bin rail R. H. rear post to rear bolster. Secure L. H. rear grain bin post (GA-33) by fastening the cross braces. Put (GA-32) R. H. grain bin rail (GA-31) L. H. grain bin rail in place. Do not tighten nut until all parts are attached. Remove nuts from grain bin rail and other bin attaching bolts. Set the grain bin in place and fasten to sills and other supports. Place bin bottom reinforcing board between bottom of bin and supporting sill. Attach grain bin cross-angle brace No. GA-29 to grain bin and to R. H. grain bin rail (GA-32). Attach grain blower shaft bearing bracket to R. H. rear grain bin post and connect flexible joint. Attach grain bin unloading pipe in proper place and secure it with the attaching brackets and brace. Bolt grain bin gate lever in place and attach lifting rod to lever.

19. Put separator on projecting ends of bolster on R. H. side of tractor, putting flange of L. H. separator sill, front end, under projecting end of diagonal brace from tractor. Bolt separator sills to bolsters at each corner and tighten all bolts in R. H. diagonal brace (FP-29). Put on truss rod (FR-2) over motor and under throttle control rod, one end of truss rod through left separator sill and the other end through bottom of left pivot post (FA-12). Loop double roller drive chain over the power take off double sprocket and double countershaft sprocket. Bolt countershaft to quadrant post and to separator with U bolts over the bearing housings.

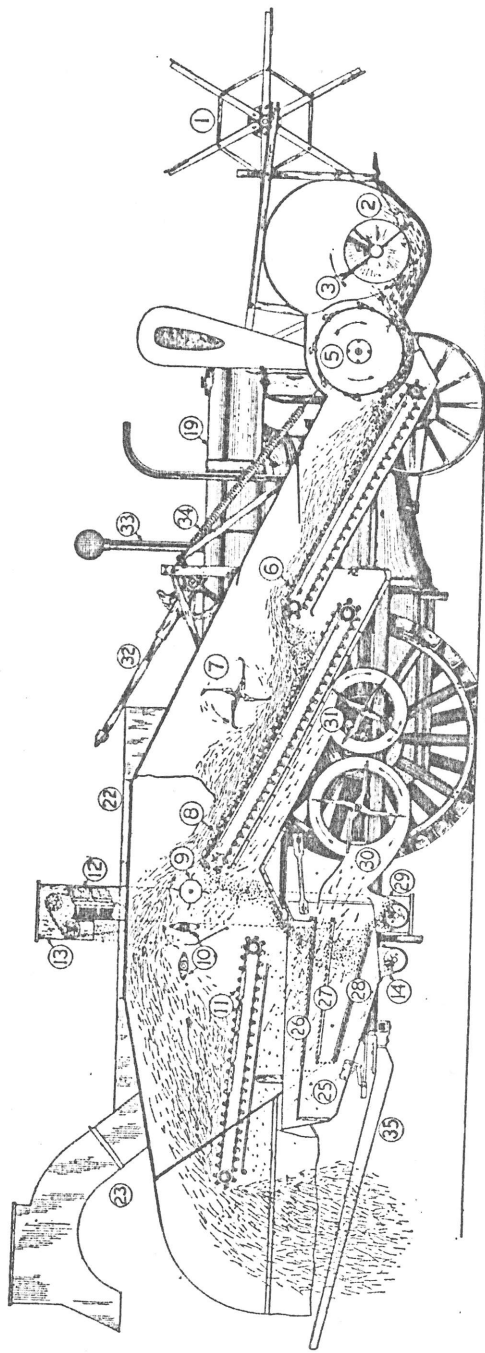




25. Insert belting between elevator and rear bolster. Attach rear bolster with bracket and bolts on each side of elevator. Tighten all conveyor and elevator bolts. See that elevator chain and buckets are at proper tension.
26. Bolt tailing elevator housing under rear of separator just behind the rear bolster. Pass left end of auger housing pipe through stirrup at left end of rear bolster. Loosen elevator chain and hang sprocket on chain. Rest front end of elevator on stirrup of return slide at left end of main grain pan. Insert end of conveyor pipe into the elevator boot passing the auger shaft through the sprocket. Key sprocket in place. Put bearing on shaft. Test for end shake. Adjust elevator chains to proper tension.
27. Fasten right reel support angle to the right reel support angle. Attach the left reel support arm with braces to left end of main grain pan. Bolt reel bearings to reel supporting arms with reel sprocket at end of pan. Bolt reel arms to right side of reel hubs. Attach reel arm braces. Leave bolts loose until all are on, then tighten. Bolt reel bats in place. Bolt pan arm to bellcrank pivot sickle bar angle braces in place. Attach sickle bar angle supporting angle. Bolt post support angle brace. Attach bell crank pivot post supporting angle. Fasten sickle and pitman in place. See that sickle and pitman move freely.
28. Put harvester roller drive chain in place from cylinder to 54-tooth conveyor sprocket. Examine the main grain conveyor to see that it does not touch bottom of pan at any place. **IT SHOULD RUN AS CLOSE AS POSSIBLE TO BOTTOM BUT SHOULD NOT TOUCH.** If pan has been jammed in shipment, the dents may be removed with a wood block or a piece of 2"x4" scantling. Guard against future trouble by **FASTENING ALL NUTS WITH LOCK WASHERS.**
29. The separator is driven by an endless leather belt. Fasten in direction as indicated by arrow stamped on the belt.
30. The blower is driven by a straight belt.
31. All chains are equipped with tighteners and should be kept at proper tension, tight enough to prevent flopping but not so tight as to cause excessive wear. In attaching beater chain the beaters must be set to operate in time with middle beater at right angles to other two.
32. The auxiliary starting crank is used in connection with the grain blower countershaft and tractor is cranked from left side of GLEANER by letting the tractor clutch and blower clutch in and disengaging the harvester clutch.
33. Put on all chains and belts as per cuts. Detachable chain should be put on so that the solid part of links will bear against driving side of drive sprocket tooth. **BEFORE PUTTING ON EITHER BELTS OR CHAINS, TURN EACH INDIVIDUAL PART BY HAND TO MAKE SURE THAT EVERY MOVING PART OF THE MACHINE IS TURNING FREE. SEE THAT ALL WEARING PARTS OF MACHINE ARE WELL OILED BEFORE STARTING.**
34. In starting the machine let the clutch in slow, and let the machine run at a slow speed for awhile. It is best to have the machine limbered up before starting into the field, as well as to familiarize yourself with all parts and the handling of same.
35. Each individual unit of the GLEANER has been run on the testing block. The parts have been disassembled and it is necessary that they be correctly reassembled and all parts put in their proper place and correctly adjusted to work in harmony with other parts. Great care should be used to see that belts, chains, raddles and elevators are all operating at proper tension. Before starting, the operator should know that every part is free to move. Care and skill on the part of the operator are required to see that parts are in correct adjustment, so that each part may work in harmony with other parts.



## Instructions to Gleaner Operators



1. After the Gleaner has been mounted and ALL BEARINGS OILED, it is ready for starting. To start motor see that Gleaner clutch is disengaged and that tractor gears are in neutral position. Engage blower drive clutch when using special tractor crank, on the grain side of harvester, for starting the Fordson, releasing the clutch after the engine starts. After motor is started, disengage tractor clutch, bringing drive chain to a stop. Engage Gleaner clutch by releasing lever from catch on fender, permitting tension spring on counter shaft to throw the sliding member of jaw clutch into mesh. After Gleaner clutch is engaged, let tractor clutch in slowly starting the Gleaner into motion. When Gleaner has attained its proper speed, shift the tractor into the desired gear, as you would with the lone tractor, making this shift as rapidly as possible and letting the tractor clutch in immediately. By making this shift quickly the momentum of Gleaner is not lost. After once having Gleaner in motion it will need no further attention in making the tractor gear shifts as the jaw clutch on counter shaft will act as a ratchet while making these shifts. The countershaft ratchet will make a sharp clicking noise while the shift is being made but no harm will come from the operation.

### Cutting the Straw to Proper Height

2. CUT THE STRAW AS HIGH AS POSSIBLE AT ALL TIMES. Do not cut any lower than is necessary to get all the heads. By leaving as much of the straw as possible standing as stubble, it makes the field more easily tilled than when cut off and left in windrows behind the machine. IT ALSO TAKES LESS POWER FOR THRESHING, DOES NOT BURDEN THE SEPARATOR, AND SAVES MORE GRAIN.

3. The reel is provided with different kinds of clutch to guard against tightening or loosening. It should be kept tight enough to avoid slippage, but not so tight as to run the reel at a speed lower than that to which it will soon find the proper speed. The reel should make at normal speed of twelve hundred revolutions per minute.

### THE REEL

provided with ample adjustments to handle properly the conditions of grain. The reel drive has a friction release to prevent accidental breakage. The clutch may be adjusted by the bolts which hold the friction plates together. It should be adjusted to operate the reel, but should slip easily after adjustment. After adjusting the clutch plates to the proper tension, the bolts should be tightened. It is advisable to set the reel a little lower and tighter on the Gleaner than you have been accustomed to on the header or binder. With a little experimenting you will soon find the proper location to suit your particular condition. The reel should make approximately three revolutions when the cylinder is running at normal speed of twelve hundred revolutions per minute.

### THE STRAW CONVEYOR

4. The straw conveyer and feeder is the large spiral auger just back of the sickle. When properly set it will need practically no attention other than oiling the two bearings on which it is mounted. When properly set the CLEARANCE BETWEEN THE AUGER AND BOTTOM OF PAN SHOULD NOT EXCEED THREE-EIGHTHS OF ONE INCH. THE AUGER SHOULD NOT BE ALLOWED TO TOUCH THE BOTTOM OF THE PAN. Provision is made for this adjustment by the use of shims under auger bearing.

### THE THRESHING CYLINDER

5. With the governor set to run the motor at normal speed of 1000 R. P. M. the threshing cylinder is belted to run 1200 R. P. M. and this speed should be maintained as nearly as possible. The cylinder speed can easily be reckoned while in actual operation by marking one of the reel bats and counting the revolutions of same for a minute or fraction thereof as you drive through the grain. If the cylinder is at proper speed, the reel will make twenty-three R. P. M.

6. Threshing space is the distance between concave bar and cylinder bar. Under ordinary conditions this space should be approximately one-fourth of an inch, but under grain conditions vary it will be necessary to change this space and provision is made for this with the use of shims under cylinder bearings. Extra shims are furnished with the harvester. Shims may be removed or others added by loosening the cylinder bearing U bolts. Care should be taken to have U bolts sufficiently tight to hold bearing in place but not so tight as to destroy the self-aligning bearing feature. Care should be taken at all times to maintain the correct concave space for good threshing.

7. As the grain ripens and the straw becomes more brittle it may be advisable to remove one of the ends of front concave bars from under cylinder. When removing concave bars, bolt same to underside of concave plate with same bolts, thus closing the holes in concave plate.

### CYLINDER BALANCE

8. As dirt and dust will accumulate on inside of cylinder and in doing any adjusting or work on round cylinder, this dirt may get jarred off from one side of cylinder only, causing it to become unbalanced. Make sure that none of this dirt is molested or that it is all entirely cleaned out from inside of cylinder.

### THE SEPARATION

9. The separator is equipped with a deflector in thresher raddle housing just behind cylinder and check curtains in separator to check any flying grains from the cylinder. If check curtains are worn or missing, some threshed grain might be thrown out with the straw. The purpose of the front or

thresher fan is to relieve the shoe by holding a greater percent of the chaff suspended and causing same to be carried over the riddles with the straw. Keep all riddle and elevator chains at proper tension by loosening adjusting plates and drawing taut by hand. Tension should be great enough to keep idle shafts turning. Provision is made in the take-up plate to allow a complete link and slot to be taken out of riddle when slot has been used up.

### THE CLEANING SHOE

10. The final cleaning and separation is performed by the shoe. The amount of air passing through a series of sieves in the cleaning shoe. Owing to varied conditions there is no set rule for the adjustments of the air and chaffer. You should use sufficient air at all times to lift the chaff off from chaffer, but not so much as to carry grain off with the chaff. It is good practice to set the sieves low behind to a point where an excessive amount of grain does not pass back through the tailings. Watch your tailings. If too much clean grain is being returned, some of it is subject to being cracked in passing through the cylinder the second time. Set the tail-board just below the floating chaff and above the floating grain. If the grain is floating high in the chaff, there is too much wind. If the chaff accumulates on rear of chaffer, there is not sufficient wind. However, if the chaffer is set too high behind this will cause heavy materials to accumulate on chaffer. A volume of green weeds should not be returned. For green weeds and heavy materials, set tail-board ahead nearer the chaffer, narrowing the space between chaffer and tail-board.
11. Too much clean grain in tailings may be caused by having adjustable sieve closed too much, not allowing the grain to pass through. It is good policy to make a few tests under your field condition. It is some familiar with the Gleaner. Lower the chaffer behind until the grain levels across on the chaffer, then raise it slightly. Do the same with the adjustable sieve. Open sieve until straw joints and white caps begin to come out in the cleaned grain, then close sieve gradually until a satisfactory job of cleaning is being done.
12. The successful operation of machinery is largely a matter of reasoning from cause to effect. Be certain that you know the cause before attempting to make a remedy.

### CRACKING GRAIN

- Cause 1. Returning too much grain to threshing cylinder.  
Remedy: Riddles in shoe not properly adjusted. (See instructions under cleaning shoe.)
- Cause 2. Too close threshing space.  
Remedy: Raise cylinder by placing more shims under bearings.
- Cause 3. Too high speed on cylinder.  
Remedy: Test speed by counting revolutions of reel. 23 R. P. M.
- Cause 4. Grain blower fan out of adjustment.  
Remedy: Center fan in housing. Do not run over speed. Keep motor at normal speed or slower.

### OILING

13. Oil prolongs life of machinery. Do not slight it. Pack the ball and roller bearings every day. All sleeve bearings should be oiled with a heavy adherent lubricant. Use proper oil on all bearings. The Alemite-Zerk gun will handle most any grade of oil or grease.
14. The Gleaner grease has been thoroughly tested and is recommended by us for use on all Gleaner bearings.

### CHAINS

15. All high speed roller chains should be cleaned frequently by washing with kerosene or gasoline, and should be kept THOROUGHLY OILED AT ALL

When the crankcase oil is drained from the tractor, it can be used in lubricating the roller chains. If chains are soaked over night they will become thoroughly lubricated. Detachable steel and cast iron chains should be cleaned and oiled occasionally.

16. Chains should be kept at proper tension. They should move freely and have a slight slack as to cause jumping, jerking or a tendency to

17. When a link is worn sufficiently to allow removing a link, it should be replaced with an offset link, shortening the chain. When roller chain is to be put on the machine, the sprocket should be checked over the sprocket and forcing the connecting link in place.

### RADIATION

18. A protective hood or hood is furnished with the Gleaner. The radiator hood takes air for cooling the radiator from high above the tractor where the air is comparatively clean. This arrangement assists in keeping the radiator free from dirt. Care should be taken in filling the radiator to keep water from running down the outside of the radiator where it will quickly cause a coating of dust to accumulate and prevent good radiation. The radiator cap should have a good gasket and be kept tightly closed to prevent water slopping and wetting the tubes. Care should be taken to see that the overflow pipe is kept open so steam may escape in case the water in the radiator reaches its boiling point. A radiator to be kept cool must be CLEAN both INSIDE and OUT.

### PRECAUTIONS

19. When starting up after rains, it is well to examine bottom of elevators and raddles. Truss augers enough by hand to be sure they are thoroughly cleaned out.

### GRAIN BLOWER

- 20. The grain bin is equipped with Liberty grain blower for delivering the threshed grain from bin to wagon or truck. The grain blower is driven independent of the Gleaner, the Gleaner to be idle while bin is being emptied.
- 21. The blower clutch is engaged by releasing tractor clutch, bring drive chains to a stop and engaging blower clutch by sliding the jaws of blower clutch on blower countershaft into mesh. Be sure that blower has attained its full speed before opening the gate, permitting grain to enter blower fan. In case the blower fan should become filled it may be emptied by removing cover on bottom side of blower housing.
- 22. If smut or dirt is present in the grain the grain blower gate may be partially opened, permitting the grain to enter the blower slowly and nearly all of the smut or dirt will be removed.
- 23. After the advance of the Gleaner into the grain has been halted, the harvester should be allowed to run a sufficient time to clear the straw from the separator and the grain from the elevators before stopping the thresher.
- 24. When starting to harvest it is best to allow a few feet of clear space before the harvester enters the grain. If the Gleaner is stopped while advancing into the grain, it is best to back out a few feet to allow the thresher to reach its normal speed before grain enters the cylinder.
- 25. The manufacturer has given great care to every feature which will add to efficient continuous service so each Gleaner day's work will be made up of actual hours of field service.

26. The Gleaner operator must so systematize his work that field delays will not occur. Arrangements for fuel, oil and water should be made in advance so no unnecessary delays will occur. Trucks, wagons, or grain bins should be conveniently placed and every endeavor made to so order the day's work that every hour of the day will be utilized for harvesting. The Gleaner harvests about two acres per hour. Keep it going as many hours per day as possible.

27. The company cannot accept responsibility for any trouble which may arise from a failure of the operator to operate and care for the machine properly according to instructions.

28. If the harvester is properly operated, it will do good work. It is dependent upon the operator to adjust properly, care for and operate the machine.

29. All harvesting processes waste some grain. The Gleaner method wastes less grain than other methods.

30. By counting the number of grains per square foot of surface behind the separator, the loss per acre may be approximately determined. A bushel of average wheat contains approximately 1,000,000 grains. There are 43,560 square feet in an acre and 23 grains per square foot would be necessary to show a loss of 1 bushel per acre.

31. The Gleaner cutter bar is 8 feet 3 inches. The separator width is 2 feet, therefore to show a loss of 1 bushel per acre, each square foot of ground behind the separator would have to show 4 x 23 grains or 92 grains if the loss amounted to one bushel per acre.

#### ADJUSTING THE GLEANER FOR THRESHING PEAS AND BEANS

32. Peas and beans may be threshed by means similar to the processes employed for threshing wheat. The seeds are larger and more easily broken and certain adjustments are necessary to avoid cracking. Space between the cylinder and concave bars must be great enough to allow the seeds to pass without cracking and close enough to do clean threshing. Openings in sieves and chaffer must be large enough to allow the seeds to pass through freely with as small a per cent of tailings as possible returning to the cylinder.

33. The speed of the grain elevator should be reduced and the seed should be scooped from the bin instead of being passed through the blower. Every precaution should be taken to avoid cracking the beans or peas.

34. When the Gleaner is to be used for threshing beans or peas special pea and bean attachments should be used. The cylinder speed is reduced by exchanging the countershaft pulley for a smaller one and the cylinder pulley to a larger one thus reducing the cylinder speed. The thirteen tooth sprocket on the cylinder shaft is exchanged for a larger sprocket to maintain the harvester speed at its normal rate.

35. Shims are added beneath the cylinder bearings to obtain the correct concave space.

36. A larger sprocket is put on the grain elevator beater shaft to reduce the elevator speed.

37. Under favorable conditions peas and beans may be harvested and threshed from the field.

38. When the crop is down extension or pick-up guard will be of material assistance in gathering the seed from the field.

39. The same general principles of separating and cleaning are applicable in handling peas and beans as in wheat or other grains. Separating and cleaning adjustments must be made to suit conditions.

40. Prices on pea and bean accessories will be furnished on request.

## Adjusting the Gleaner for Harvesting and Threshing Kafir, Sorghum or Milo

41. The Gleaner is particularly adapted to handling these grains. Where the crops are properly matured, they may be cut and threshed from the field. The threshing operations are similar to the processes used in handling wheat. Good results require proper adjustments of the thresher. The cylinder should be driven at the correct speed and enough shims should be placed beneath the cylinder bearings to give the right concave clearance for good threshing without cracking the grain. If grain is cracked, the cylinder should be reduced in speed or shims added to give greater concave clearance.
42. The cleaner shoe should be adjusted to do good cleaning without allowing much threshed grain to return to the cylinder. Under some conditions, kafir, sorghum or milo may be threshed with the cylinder running at normal speed, but if the grain is brittle or easily cracked, a special kafir cylinder pulley should be used. This will reduce the cylinder speed to about 900 R. P. M. which under average conditions will be found to be best.
43. When headed grain is to be threshed from the shock or stack, the only additional changes required will be to remove the reel and sickle. The grain may then be pitched upon and evenly distributed over the conveyor which feeds it to the threshing cylinder. Care should be taken to spread the grain evenly to avoid masses of stalks from slugging the cylinder. If the straw is to be stacked, a Gleaner straw carrier may be attached to the rear of the separator.
44. When bundles of kafir, sorghum, milo, sudan or very long straw wheat are to be threshed, a Gleaner kafir sickle should be used. To attach the kafir sickle the reel, sickle and sickle bar are removed. The sickle and sickle bar are replaced by the special sickle and bar which places the guards in a vertical position. With the sickle running the bundles are thrust down upon the swift moving knives. The heads are served and pass through the thresher as in field operation. (Operators should be careful to avoid coming in contact with the sickle.) With one man to guide the tractor and two to feed the bundles to the sickle, rapid clean work can be done.
45. Under certain conditions, beans, cowpeas, alfalfa or other grains are sometimes piled in small shocks. The tractor travels by at low speed while two active men pitch the material upon the conveyor feeder. The threshing being done as the machine progresses from shock to shock.

## Care of the Gleaner

46. After the harvesting and threshing season is over, the Gleaner may be dismantled from the tractor. The machine should be carefully shedded and kept together so parts will not be scattered or lost when harvest again arrives. Any dirt, grain or straw which may have accumulated inside the harvester should be cleaned out before the machine is put away. Bearings should be freshly oiled and the whole machine put in readiness for assembly and service. A little attention and care will greatly prolong the life of the harvester and maintain it at a higher degree of operating efficiency. More farm machinery rusts out than wears out.
47. It is best to set the separator and harvester on some kind of supporting platform when they are removed from the tractor. If a platform of proper height is constructed, it will be of great advantage in reassembling the machine.



## Parts Numbering System

Cleaner parts are numbered by a systematic code. The first letter of the number indicates the unit to which the part belongs. The second letter indicates the material of which the part is constructed or indicates that it is an assembly of parts or that it is purchased on the market as a finished article. The figures indicate the particular part belonging to the series indicated by the letters. The second letter of the part number is arranged in its proper alphabetical order among the series to which the part belongs. If the numbering system is studied, it will be found to be a simple matter to find any listed part in the repair book.

### Number Code:

First Code Letter indicates unit to which part belongs—

- H. . . . Harvester.
- T. . . . Thresher.
- S. . . . Separator.
- C. . . . Cleaner.
- E. . . . Elevator.
- R. . . . Raising Device.
- F. . . . Sub-frame and Countershaft.
- D. . . . Parts used in more than one unit.
- U. . . . Special accessories.

Second Code Letter indicates material—

- B. . . . Brass.
- C. . . . Channel Steel.
- T. . . . Sheet Metal (tin).
- M. . . . Malleable cast.
- G. . . . Grey iron cast.
- S. . . . Steel.
- W. . . . Wood.
- F. . . . Flat Steel.
- R. . . . Rod.
- P. . . . Plate (boiler plate).
- O. . . . An assembled part.
- X. . . . A finished part as belt or chain.

### Examples—

HG-30—

- H. . . . Indicates a harvester part.
- G. . . . Made of grey iron.
- 30. . . . Grey iron harvester part number.

HG-30. . . . Bell crank pivot.

SW-1—

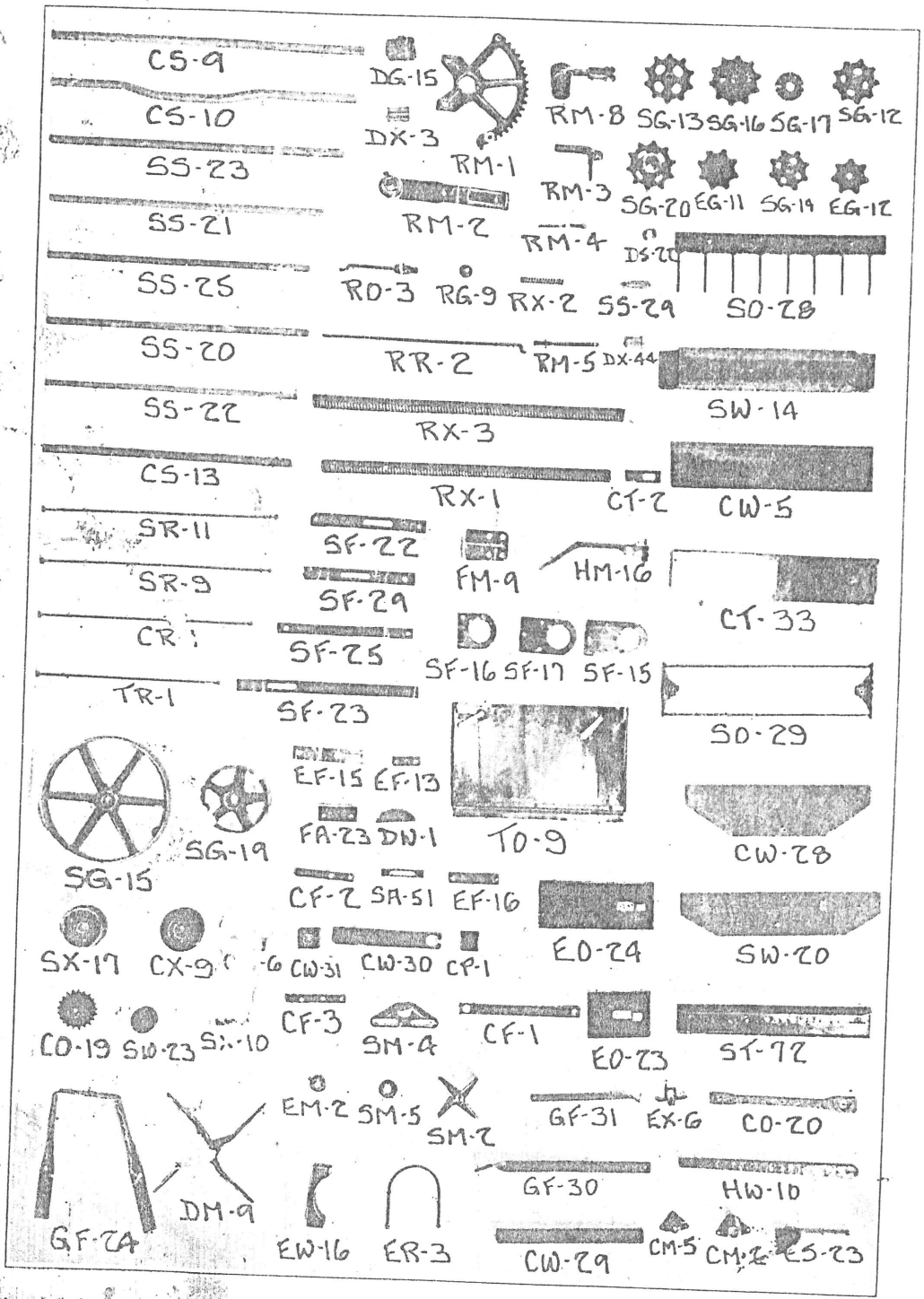
- S. . . . Indicates a separator part.
- W. . . . Made of wood.
- 1. . . . Wood separator part number.

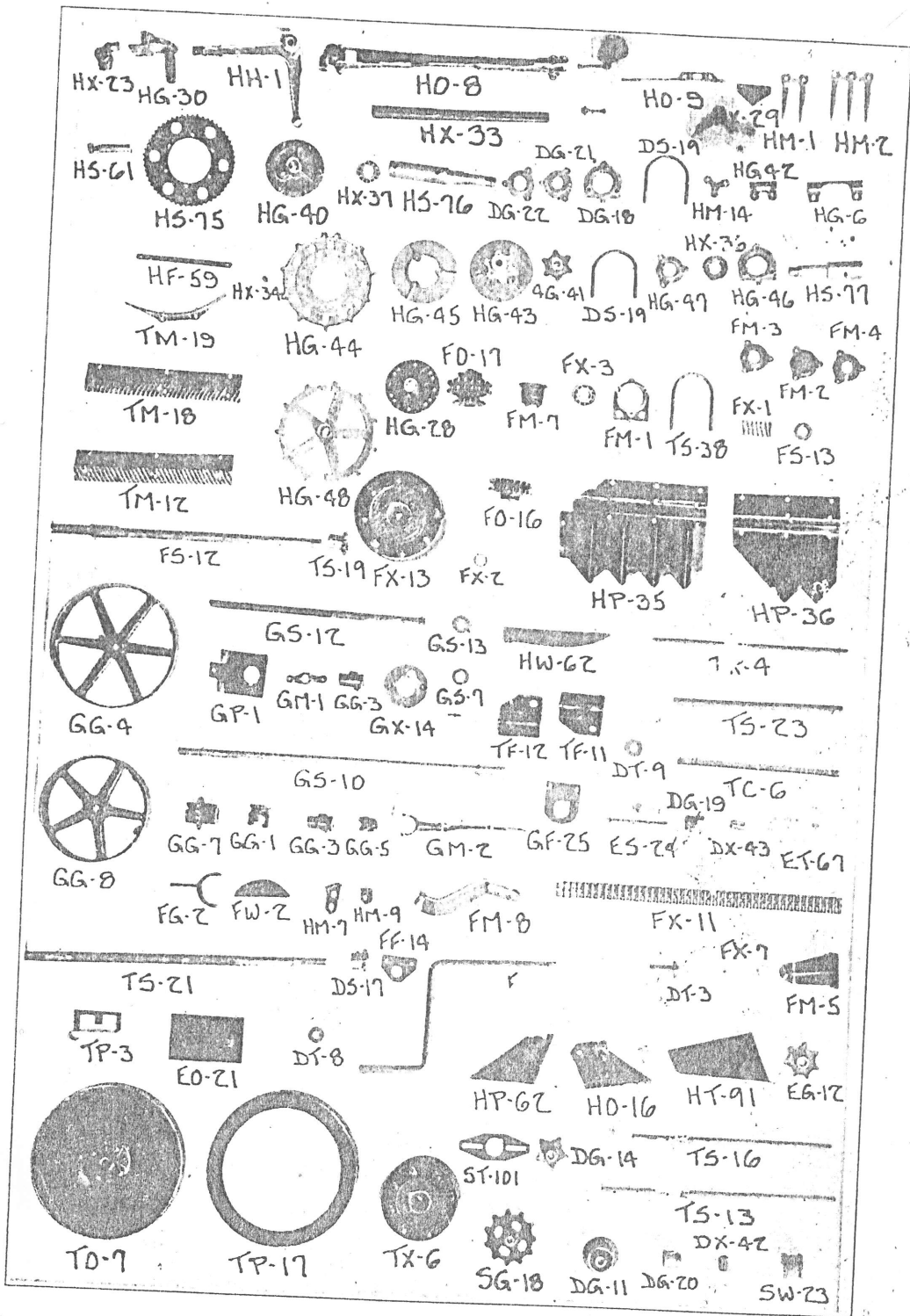
SW-1. . . . Separator raddle slat.

TM-12—

- T. . . . Indicates a thresher part.
- M. . . . Made of malleable cast.
- 12. . . . Malleable thresher part number.

TM-12. . . . Cylinder rasp bar.





Code	No.	Name	Price
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BELTS

Guest	CX-13	*Blower Drive Belt 3-Ply Rubber, state year, 2 1/2" x 16 1/2"	\$ 6 90
Syrup	S7-18	*Separator Drive Belt Endless Leather, 3 7/8" x 9' 9"	5 25
Tyke	TX-4	*Cylinder Drive Belt, 4-ply Rubber, 4 1/2" x 10' 4"	11 00

\*This belting is the best obtainable for the purpose.  
We advise its exclusive use for best results with the Cleaner.

CLEANER PARTS

Cabin	CF-1	Cleaner Shoe Hanger, rear	30
Cable	CF-2	Shoe Pitman Bearing Strap	25
Cage	CM-2	Cleaner Shoe Front Hanger Bearing	55
Cake	CM-5	Cleaner Shoe Rear Hanger Pivot Bracket	45
Calk	CM-6	Shoe Pitman Bearing Plate	30
Coal	CO-2	Cleaner Shoe Assembly less Chaffer Sieves, Dirt Screen and Hangers	15 25
Coast	CO-3	Dirt Screen Assembly	4 00
Coat	CO-4	Adjustable Sieve	15 00
Cob	CO-5	No Choke Chaffer	7 00
Cocoa	CO-10	Adjustable Tail Board Complete	1 70
Cock	CO-11	Chaffer Extension	1 50
Codex	CO-15	Cleaner Fan Housing Assembly	15 00
Coffer	CO-16	Cleaner Fan Assembly	5 75
Coil	C-18	Cleaner Shoe Pitman Complete	2 25
Coln	C-19	Separator Drive Sprocket, 20-tooth	3 75
Crab		Sieve Tie Rod	25
Crack		Cleaner Shoe Rear Hanger Pipe Bushing	05
Cradle	CS-8	Cleaner Shoe Front Hanger Pipe Bushing	05
Craft	CS-9	Cleaner Fan Shaft	2 00
Crag	CS-10	Crank Shaft	3 00
Crain	CS-11	Cleaner Fan Sprocket, 18-tooth steel	3 50
Cramp	CS-12	Cleaner Fan Pulley Spacer	15
Crane	CS-13	Cleaner Shoe Cross Shaft (pipe)	1 00
Crash	CT-2	Tail Board Plate, 18 gauge galvanized	15
Crawl	CT-33	Tail Board Extension	1 00
Creak	CT-42	Cleaner Fan Wind Board, inner	50
Cream	CT-44	Cleaner Fan Blade Reinforcement	10
Crease	CT-47	Cleaner Fan Wind Board, outer	50
Creed	CW-3	Cleaner Shoe Tail Board	40
Creel	CW-17	Cleaner Fan Blades	40
Creep	CW-28	Cleaner Shoe Guide	15
Crept	CW-29	Shoe Pitman Bar	35
Cress	CW-30	Shoe Pitman Bearing Box	35
Crest	CW-31	Cleaner Shoe Front Curtain	35
Crib	CX-6	Dirt Screen Curtain	40
Crick	CX-8	Cleaner Fan Pulley, 3 1/2" x 5"	3 00
Creek	CX-9	Cleaner Fan Spider	2 00
Down	DM-5	Cleaner Fan and Crank Shaft Bearing Assembly	3 50
Dock	DC		

COTTER KEYS

		Cotter Keys, size 1/8 x 3/4	Doz.	05
		Cotter Keys, size 1/8 x 7/8	"	05
		Cotter Keys, size 1/8 x 1	"	05
		Cotter Keys, size 1/8 x 1 1/8	"	05
		Cotter Keys, size 1/8 x 1 1/4	"	08
		Cotter Keys, size 1/8 x 1 1/2	"	08
		Cotter Keys, size 1/8 x 1 3/4	"	08
		Cotter Keys, size 1/8 x 1 7/8	"	08
		Cotter Keys, size 1/8 x 2	"	10
		Cotter Keys, size 1/8 x 2 1/4	"	10
		Cotter Keys, size 1/8 x 2 1/2	"	10
		Cotter Keys, size 1/8 x 2 3/4	"	15
		Cotter Keys, size 1/8 x 2 7/8	"	15
		Cotter Keys, size 1/8 x 3	"	15

GRAIN BIN PARTS

Gain	A-26	Grain Bin Post, L. II, front	1 00
Gale	A-27	Grain Bin Rail, R. II, Front Post	1 50
Gall	CA-28	Grain Bin Rail, R. II, Rear Post	1 50
Gambol	CA-29	Grain Bin Rail Front Cross Angle	1 00
Game	GA-30	Grain Bin Post, L. II, Rear	1 25
Gang	GA-31	Grain Bin, L. II, Rail	6 50
Garb	A-32	Grain Bin, R. II, Rail	3 50
Garden	GA-33	Grain Bin, L. II, Rear Post Brace	75
Gentle	GF-20	Counter Shaft Bearing Bracket on Grain Bin Rail, R. II	50
Gentry	GF-21	Counter Shaft Bearing Bracket on Quadrant Post	50
Genus	GF-22	Grain Bin Post Cross Brace	75
Germ	GF-23	Grain Bin Dash Brace	80
Geyscr	GF-24	Grain Bin Conveyor Support	1 00

Code	Part No.	Name	Price
GRAIN BIN PARTS—Continued			
Ghost	GF-25	Grain Blower Counter Shaft Brace Plate	\$ 0 50
Ghoul	GF-26	Grain Bin, L. H. Rail Cross Brace	1 00
Giant	GF-27	Grain Bin Rear Post Cross Brace, long	80
Giddy	GF-28	Grain Bin Rear Post Cross Brace, short	70
Gild	GG-1	Counter Shaft Drive Clutch	90
Gimp	GG-3	Blower Bearing for Fan Shaft and 1927 Counter Shaft	1 00
Ginger	GG-4	Blower Pulley, 2 3/4" x 14"	5 50
Gipsy	GG-5	Starting Crank Clutch on Blower Countershaft	50
Gird	GG-6	Grain Blower Fan Spider	4 50
Girt	GG-7	Grain Blower Drive Sprocket	4 20
Gist	GG-8	Grain Blower Drive Pulley	4 55
Glare	GM-1	Grain Blower Flexible Coupling Hub	1 00
Goal	GO-1	Grain Bin Complete with Liberty Grain Blower, Blower Spout and Angle Frame, state year	100 00
Gold	GO-2	Liberty Grain Blower Spout	25 00
Gore	GO-5	Blower Counter Shaft Complete with Sprockets, Pulley, Clutch, Bearings and Brackets	25 00
Gouge	GO-19	Grain Blower Counter Shaft Sprocket Assembly, 18-tooth	7 25
Grab	GR-10	Grain Bin Truss Rod, 2" thread both ends	1 00
Grade	GS-7	Grain Blower Set Collar	35
Graft	GS-8	Blower Fan Shaft	1 50
Grain	GS-10	Grain Blower Counter Shaft	3 00
Grasses	GW-20	Grain Bin Bottom Board	30
Graze	GW-21	Grain Bin Side Board	50
Gruel	GX-10	Grain Bin Pad, L. H.	60
Gruff	GX-11	Grain Bin Pad, R. H.	60
Gully	GX-14	Grain Blower Flexible Coupling Disc	90

#### GRAIN ELEVATOR AND CONVEYOR PARTS

Doctor	DO-4	Grain Elevator Shaft Bearing Assembly, 7 1/2"	2 25
Drought	DX-43	Grain Elevator Shaft Bearing, 7 1/2"	2 00
Early	EF-14	Grain Elevator Support, upper	1 25
Earthy	EG-11	Grain Elevator Sprocket, 8-tooth	70
Enter	EO-16	Grain Elevator Housing without Buckets, Chain, Brace or Sprockets	15 00
Entice	EO-17	Grain Conveyor Assembly	5 00
Entire	EO-19	Bin Loader Conveyor Assembly	9 00
Entomb	EO-20	Bin Loader Housing Assembly	9 00
Entreat	EO-21	Grain Elevator Boot Door	50
Entry	EO-22	Grain Elevator Head Cover	50
Envy	EO-25	Bin Loader Spout Assembly	1 25
Ephod	EO-27	Grain Elevator Chain Complete with Buckets	7 00
Escapade	ER-3	Grain and Tailings Conveyor "U" Bolt	25
Essay	ES-23	Grain Elevator Head Shaft	50
Estate	ES-26	Grain Conveyor Gudgeon Elevator End	75
Estray	ES-27	Bin Loader Conveyor Gudgeon Drive End	75
Esteem	ES-28	Grain Conveyor Gudgeon R. H. and Bin Loader L. H.	75
Even	ET-67	Grain Elevator Bearing Adjusting Plate	1 25
Ewer	EW-15	Grain Elevator Center Board	25
Exact	EW-16	Conveyor Tube, Saddle Wood	25
Excel	EX-6	Grain Elevator Buckets	15

#### HARVESTER PARTS

Dandy	DG-18	Harvester Conveyor R. H. Bearing Housing	1 25
Dash	DG-21	R. H. Bearing Housing Cap, outer	50
Date	DG-22	R. H. Bearing Housing Cap, inner	50
Drag	DS-19	Conveyor Bearing "U" Bolt	25
Habit	HA-51	Pan Arm Lifting Link Clip	35
Hack	HA-52	Back Brace in Front Pan to Left Pan Arm	50
Hackle	HA-101	Sickle Bar Angle	9 00
Hackney	HA-102	Pan Arm Left on Grain Side	5 50
Had	HA-106	Grain Pan End Frame	2 00
Haddock	HA-107	Reel Countershaft Post Cross Brace	35
Haft	HA-109	Reel Support R. H.	1 00
Hag	HA-110	Reel R. H. Support Post	1 00
Hair	HA-116	Reel R. H. Support Post Brace	80
Half	HA-117	Reel Countershaft R. H. Post Brace	80
Halloo	HA-120	Sickle Bar Clip	15
Hallow	HA-121	Feeder Housing Post, L. H.	80
Halt	HA-122	Feeder Housing Post, R. H.	80
Halve	HA-123	Conveyor L. H. Bearing Support	1 00
Ham	HF-59	Reel Arm Brace	05
Hames	HF-75	Tailings Elevator Front Support Saddle	25
Hamlet	HF-76	Sickle Bar Spacer	10
Hamper	HF-77	Cutter Bar Brace	75
Hand	HF-78	Left Hand Reel Support	1 50
Handle	HF-79	Left Hand Reel Support Brace	75
Handy	HF-80	Left Hand Pan Arm to Sickle Bar Brace	1 00
Hang	HF-81	Center Pan Arm to sickle Bar Brace	1 25
Hanker	HF-83	Harvester Conveyor R. H. Bearing Liner	10
Hanson	HF-84	Conveyor Drive Chain Idler Bracket	25
Hap	HF-86	Reel Drive Intermediate Sprocket Support Brace	1 25
Happy	HF-87	Reel Drive Chain Idler Bracket	60

Code	Pa	Name	Price
HARVESTER PARTS—Continued			
Hard	HC	Sickle Back Guide	\$ 0 40
Hardy	HC	Reel Hub	75
Harem	HC	Bell Crank Pivot	1 00
Harm	H	Reel Bearing	80
Harrow	H	Harvester Conveyor Sprocket Hub	4 50
Harry	H	Reel Drive Sprocket, 6-tooth	75
Harsh	H	Sickle Guide	35
Hart	H	Reel Drive Intermediate Sprocket, 6-tooth	2 00
Hash	H	Reel Drive Intermediate Sprocket, 21-tooth	1 00
Hslet	H	Reel Drive Friction Disc	60
Hsp	H	Harvester Conveyor L. H. Bearing Housing	1 50
Haste	H	Harvester Conveyor L. H. Bearing Cap	50
Hatch	H	Reel Sprocket	1 25
Hatchet	H	Bell Crank Sickle Drive	4 00
Hate	H	Double Guard	35
Hater	H	Triple Guard	50
Haunt	H	Center Pan Arm to Cutter Bar Bracket	30
Haven	H	Reel R. H. Support Post Clip	30
Hayed	H	Sickle Clip	12
Haze	H	L. H. Grain Divider Bracket	1 25
Hobby	H	Harvester Conveyor with Feeder Beater Blades	31 50
Hocus	HO	Sickle Complete with Head	8 00
Hoe	HO	Sickle Complete without Head	6 00
Holst	HO	Sickle Pitman Complete	3 75
Hold	HO	Sickle Head Complete with Roller Pins & Bushing	2 00
Honest	H	Grain Pan Screen with Frame	3 75
Honey	H	Reel Drive Chain Idler Assembly	1 00
Honor	H	Grain Pan End Left Hand Assembly	6 00
Hope	H	Left Hand Divider Board Assembly	3 75
Horn	H	R. H. Spring Bolt Bracket Assembly with Chain Idler	1 25
Horror	H	Reel Drive Intermediate Sprocket Assembly	4 25
Host	HO-18	Feeder Housing Assembly	12 00
Heat	HP-26	Bell Crank Pivot Washer	05
Heal	HP-29	Spring Bolt Bracket R. H.	75
Heat	HP-35	Feeder Beater Blade, long	2 00
Heater	HP-36	Feeder Beater Blade, short	1 90
Heavy	HP-62	Center Spring Bolt Bracket	75
Hebrew	HS-60	Reel Pipe Shaft	5 00
Hector	HS-64	Sickle Pitman Crank Pin	75
Hedge	HS-75	Crank Pin Nut	10
Head	HS-76	Harvester Conveyor Sprocket, 54-tooth only	5 00
Holed	HS-77	Harvester Conveyor R. H. Gudgeon	5 00
Hoed	HS-77	Harvester Conveyor L. H. Gudgeon	4 75
Hoed	HS-78	Reel Drive Intermediate Sprocket Stud	1 00
Hofer	HT-43	R. H. Grain Divider	1 50
Hoer	HT-76	Grain Pan	16 00
Helix	HT-80	Left Hand Harvester Grain Pan End	4 00
Helmet	HT-81	Left Hand Grain Divider Only, not assembled	2 50
Helot	HT-83	Harvester Pan Reinforcement	2 50
Helve	HT-85	Sickle Guide Clip	20
Hem	HT-87	Feeder Housing Bottom L. H. Flange	2 50
Henna	H	Tailings Elevator Slide on Grain Pan	2 50
Herald	H	Tailings Elevator Slide Support on Pan Arm	35
Herd	H	Reel Arm	35
Hermit	HW-10	Reel Bats	1 10
Hesper	HW-58	Pan Bulge Block	50
Hesper	HW-62	Sickle Pitman Box (M. B. 1124)	1 10
Hest	HX-23	Sickle Section	12
Higgle	HX-29	One Set of Pins, Bushing and Rollers for Sickle Head	1 00
Hift	HX-30	Tailings Elevator Front Support Saddle Pad	10
Hind	HX-31	Sickle Pitman Wood	1 00
Hinder	HX-3	Reel Drive Friction Disc Washer	05
Hinny	HX-3	Harvester Conveyor	27 50
Hint	HX-35	Harvester Conveyor L. H. Bearing, Hyatt	4 25
Hitch	HX-35	Harvester Conveyor R. H. Bearing, N. D.	5 50
Hive	HX-37		
KEYS			
Frush	FS-6	Counter Shaft Pulley Key, $\frac{1}{8}$ "x5"	15
Gram	GS-11	Grain Blower Flexible Coupling Spider Key, $\frac{3}{8}$ "x1 $\frac{1}{2}$ "	10
Spot	SS-27	Separator Pulley Key on Drive Shafts and Counter Shaft, $\frac{3}{8}$ "x2 $\frac{1}{4}$ "	10
Trestle	TS-34	Cylinder Head Key, $\frac{1}{4}$ "x3 $\frac{1}{2}$ "	10
Trey	TS-35	Cylinder Pulley Key, $\frac{1}{4}$ "x3 $\frac{1}{2}$ "	10
Tret	TS-36	Cylinder Shaft Sprocket Key, $\frac{1}{4}$ "x2"	10
MISCELLANEOUS PARTS			
Drab	DS-1	Wood Roller Chain Tightener Bushing	10
Draff	DS-11	Pan Arm Pivot Bracket Spacer	10
Drank	DT	Raddle Slat Clip	Per doz.
Drape	DX	Raddle Slat Rivets	05
Draw	D	Bearing Adjusting Plate Bolt	05
Drawl	DX	Roller Bearing for DG-15 Housing 18127	2 50
Forum	FO-5	Zerk Straight Fitting and $\frac{1}{8}$ " to $\frac{1}{2}$ " Bushing for Tractor Axle	30

Code	Part No.	Name	Price
MISCELLANEOUS PARTS--Continued			
Hostile	HO-19	Zerk Straight Fitting and Zerk Grease Ca	
Umber	UF-1	Tube Bracket for Air Cleaner	Pitman Box \$ 0 70
Umple	UF-12	Sickle Guide Plate Kafir Corn Attache	75
Unbend	UG-1	Exhaust Elbow	75
Unbind	UG-2	Tractor Cone Lug	2 25
Undo	UG-3	Straw Carrier Raddle Pulley, 2 3/8" x 5 3/4"	25
Undress	UM-1	Glenair Lead Adapter for Aircleaner	6 00
Unearth	UO-3	Radiator Hood Complete with Fasteners	5 00
Uneven	UO-4	Air Cleaner Complete	10 00
Unhitch	UO-5	Sacker Attachment Complete	7 50
Unholy	UO-9	Straw Carrier Attachment Complete	100 00
Unstop	UO-10	Auxiliary Water Tank	65 00
Upheld	UO-11	Overflow Pipe for Auxiliary Water Tank	1 25
Upfold	UO-17	Kafir Corn Attachment Complete	18 00
Upland	UO-18	Air Cleaner Hood Support	30
Upper	UO-27	Sickle Complete for Kafir Corn Attachn	10 00
Upon	US-4	Seat Extension	10 00
Uproof	US-5	Steering Post Extension	1 50
Upward	UT-4	Radiator Screen Hook Clip	5 00
Urban	UW-26	Wood Raddle Idler for Straw Carrier	10
Urn	UW-28	Straw Carrier Raddle Stat	35
Usher	UX-1	Air Cleaner Tube	17
Utilize	UX-2	Air Cleaner Hood	1 00
Usury	UX-12	Auxiliary Water Tank Gasket	60
Unbolt	UX-35	Air Cleaner Gasket	20
Uncle	UX-36	Countershaft Pulley for Pea and Bean Thres	50
	UX-37	Cylinder Pulley for Kafir, Pea and Bean Thres	6 50
			10 00

RAISING DEVICE PARTS

Rack	RF-1	Lifting Link (Pan Afm to Lifting Crank)	
Racket	RF-2	Raising Lever	1 75
Range	RG-9	Spring Plug (Tapped)	1 00
Rash	RM-1	Quadrant	40
Rasp	RM-2	Lever Casting	2 50
Ratch	RM-3	Hand Hold	2 25
Rat	RM-4	Trigger	55
Rave	RM-5	Latch	25
Ream	RM-7	Pivot Bearing	30
Robe	RM-8	Lifting Crank	50
Rock	RO-3	Spring Bolt Top with Plug	1 25
Rocky	RO-4	Counter Balance Spring R. H. with Plugs and Bolts	65
Rub	RO-5	Counter Balance Spring, L. H. with Plugs and Bolts	5 80
Ruble	RR-2	Spring Bolt Threaded	6 30
Ruck	RR-10	Latch Rod	65
Rude	RS-2	Lifting Link Bushing	30
Ruff	RS-3	Raising Pivot Bar	05
Rule	RW-1	Quadrant Filler Block	5 00
Ruler	RX-1	Counter Balance Spring Cylinder Side R. H.	15
Ruled	RX-2	Latch Spring on Raising Device	4 00
Rump	RX-3	Counter Balance Spring Grain Side, L.H.	15
	RX-4	Lifting Link Pin	4 50
			10

ROLLER CHAIN

Dry	DX-34	Roller Chain, 449	
Dried	DX-35	Coupling Links, 449	Per foot 1 20
Drying	DX-36	Offset Links, 449	Each 15
Dull	DX-37	Roller Chain, 433D	Each 35
Dulled	DX-38	Coupling Links, 433D	Per foot 3 60
Fustic	FX-11	Main Drive Chain (433D Diamond), 3 1/2"	Each 50
Grunt	GX-12	Blower Drive Chain (449 Diamond), 3 3/8"	18 45
Hester	HX-26	Harvester Drive Chain (449 Diamond), 6 1/2"	4 55
Syntax	SX-18	Separator Drive Chain (449 Diamor 4), 95%	6 25
			9 60

SEPARATOR PARTS

Daft	DG-11	Separator Raddle Idler	
Dale	DG-14	Separator Raddle Drive Shaft Spro	75
Dance	DG-15	Both Fans and Crankshaft Bearin	5-tooth 40
Darn	DG-19	Separator Raddle Drive Shaft Bear	using 85
Dart	DG-20	Idler Shaft Bearing Housing	making 50
Dawn	DM-9	Separator and Cleaner Fan Spider	50
Dock	DO-1	Separator Fan Shaft Bearing Assen.	2 00
Doctor	DO-3	Bearings Assembled for all Separator	3 50
Doctrine	DO-4	Bearings Assembled for all Separator	ive Shafts 2 10
Draft	DS-17	Steel Separator Drive Sprocket on Countershaft, 13-tooth	2 25
Draw	DX-2	Bearing Adjusting Plate Bolts	2 50
Drawl	DX-3	Fan and Crank Shaft Roller Bearing, Hyatt	05
Drug	DX-42	Bearings for all Idler Shafts, 3 1/2"	2 50
Drought	DX-43	Bearings for all Drive Shafts and Belt Idler Pulley, 3/8"	1 75
Drainage	DX-44	Bearings for all Idler Sprockets	2 00
Saber	SF-15	Fan Shaft Bearing Bracket	2 10
Sable	SF-16	Crank Shaft Bearing Bracket	50
Sabot	SF-17	Separator Fan Shaft Bearing Bracket	50
Sabre	SF-22	Sprocket Tightener Bracket	50

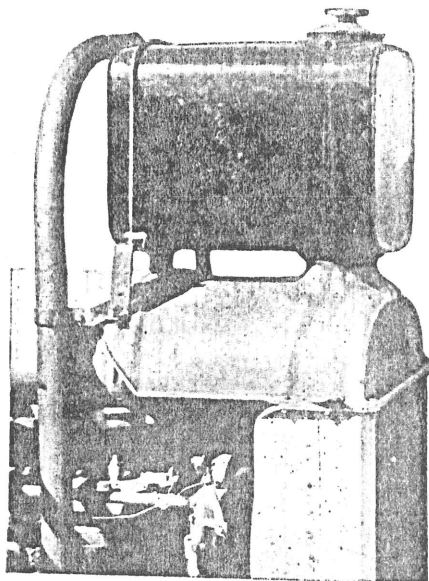
Code	Part No.	Name	Price
SEPARATOR PARTS - Continued			
Saddle	SF-25	Chain Spring Idler Bracket	
Sag	SF-4	Separator Fan Shaft Pulley	\$ 0 50
Sago	SG-10	Separator Raddle Drive Chain Idler Sprocket	3 00
Sail	SG-12	Rear Picker Shaft Sprocket	75
Saint	SG-13	Separator Rod Beater and Raddle Beater Sprocket	75
Sake	SG-14	Crank Shaft Sprocket, 8-tooth	75
Salad	SG-15	Crank Shaft Pulley, 3 1/4" x 1 1/4"	75
Salam	SG-16	Elevator Drive Sprocket, 10-tooth	5 50
Sale	SG-17	Elevator Drive Clutch	75
Sallow	SG-18	Raddle Drive Sprocket, 11-tooth	75
Sally	SG-19	Separator Belt Idler Pulley	75
Salmon	SG-20	Separator Raddle Sprocket, 10-tooth	3 75
Salute	SM-2	Separator Rod Beater Spider	1 00
Salvage	SM-3	Separator Rod Beater Spider	75
Salve	SM-4	Separator Belt Idler Bracket	75
Soap	SC-7	Separator Top Cover	75
Soar	SC-8	Separator Deck Door Front Raddle	3 75
Sob	SJ-9	Separator Raddle False Bottom	1 25
Sock	SO-10	Separator Beater with Prongs and Spiders without Shaft	5 50
Sofa	SO-16	Separator Curtain Assembly Front	5 00
Soft	SO-17	Rear Raddle Curtain Assembly	1 25
Soil	SO-19	Separator Raddle Assembly	1 00
Soldier	SO-22	Separator Drive Chain Guide and Shield	20 00
Solid	SO-25	Separator Fan Assembly	1 75
Solo	SO-26	Separator Fan Housing Assembly	5 75
Solve	SO-28	Separator Beater Bar with Prongs, without Shaft	12 00
Somber	SO-29	Separator Rod Beater with 2 Rods	1 00
Song	SO-30	Rear Raddle Assembly	2 00
Songs	SO-32	Separator Belt Idler Pulley with Bearing	12 00
Songster	SO-33	Separator Idler Sprocket Assembly with Bearing	6 25
Spark	SR-9	Separator Raddle False Bottom Tie Rod	3 75
Spray	SR-10	Separator Cover Hook Bolt	25
Speak	SR-11	Separator Raddle Bottom Tie Rod Rear	15
Speakey	SR-12	Separator Hood Rod	25
Spoil	SS-20	Separator Beater Shafts	1 00
Spoke	SS-21	Separator Raddle and Straw Raddle Drive Shaft	1 25
Spoken	SS-22	Separator Raddle and Straw Raddle Idler Shaft	1 25
Spool	SS-23	Separator Fan Shaft	1 25
Spore	SS-25	Separator Picker Beater Shaft	1 50
Sprain	SS-29	Separator Idler Sprocket Stud	1 50
Sprat	SS-30	Separator Belt Idler Pulley Stud	1 00
Stage	ST-61	Separator Beater Stripper	1 00
Stagger	ST-72	Rear Raddle False Bottom Support	1 25
Stamp	ST-101	Separator Raddle Idler Adjusting Plate	1 00
Swag	SW-2	Separator Raddle Slat	35
Swain	SW-14	Separator Rear Raddle False Bottom Board	15
Swale	SW-15	Separator Raddle Bottom Skid Rail	50
Swam	SW-20	Separator Fan Blades	40
Swamp	SW-22	Separator Roller Chain Idler	35
Swart	SW-23	Separator Chain Track	35
Sylva	SX-10	Chain Tightener Tension Spring	65
Synod	SX-15	Elevator Drive Safety Clutch Spring	25
Symbol	SX-17	Separator Fan Shaft Pulley, 3 1/4" x 1 1/4"	20
Syndic	SY-16	Separator Canvas Hood	3 00
STEEL AND MALLEABLE CHAIN			
Drear	DX-7	Thresher Raddle Drive Chain No. 45, steel, 75 links	1 50
Drill	DX-13	Jackson Chain	40
Dreg	DX-41	Grain Elevator Drive Chain, No. 45, steel, 54 links	Per foot
Dredge	DX-42	Tailings Drive Chain, No. 45, steel, 45 links	1 10
Drench	DX-43	Reel Drive and Separator Raddle Drive Chain, No. 45, steel 40 links	95
Dredging	DX-47	Reel Chain, No. 45, steel, 52 links	80
Drenching	DX-48	Rod Beater Drive Chain, No. 45, steel, 36 links	1 05
Dress	DX-15	*Malleable Chain, No. 45	75
		*Improved Type	20
Dressed	DX-18	Steel Chain, No. 45	Per foot 16
SUB-FRAME PARTS			
Dandy	DS-13	Counter Shaft Bearing Housing	
Drag	DS-19	Counter Shaft Bearing "U" Bolt	1 25
Fabric	FA-11	Quadrant Post Tie Brace, state year	25
Face	FA-12	L. H. Pivot Post	50
Fact	FA-13	Sub-Frame Sill, L. H.	3 50
Fagot	FA-20	Separator to Rear Bolster Brace	3 50
Fail	FA-21	Quadrant Post	1 00
Fain	FA-22	Pivot Post Stiffener	3 50
Faint	FA-23	Chain Idler Bracket on Quadrant Post	3 00
Fairy	FB-2	Main Shaft Clutch Sprocket Bushing	50
Faith	FB-12	Grain Bin Post Cross Brace	1 00
Fail	FF-13	Quadrant Post Brace Lower	50
False	FF-14	Starting Crank Bracket on Pivot Post	50
Falter	FF-15	Grain Bin Rail R. H. Front Post Brace	50
Fellow	FF-19	Quadrant Post Brace Upper	1 00



Code	Part No.	Name	Price
SUB-FRAME PARTS--Continued			
Feel	FF-21	Rear Platform Cross Brace, L. H.	
Felt	FF-22	Rear Platform Cross Brace, R. H.	\$ 1 50
Fern	FG-2	Clutch Throw-Out Yoke, steel	1 00
Fierce	FM-1	Counter Shaft Bearing Housing	1 25
Film	FM-2	Counter Shaft Bearing Cap, outer closed	75
Filter	FM-3	Counter Shaft Bearing Cap, inner open, L.	1 00
Final	FM-4	Counter Shaft Bearing Cap, inner open, R.	1 00
Find	FM-5	Main Countershaft Sliding Jaw Clutch	50
Fine	FM-7	Main Drive Chain Idler Bracket	2 00
Fire	FM-8	Tractor Platform Rear Bracket	1 00
Firm	FM-9	Main Countershaft Sprocket Clamp Collar	1 00
Fish	FM-10	Left Hand Platform Bracket	75
Fist	FM-11	Right Hand Platform Bracket	1 00
Fit	FM-12	Countershaft Clutch Shifting Lever Complete with Plate and Yoke	1 00
Fog	FO-3	Countershaft Complete, state year	6 00
Fogy	FO-4	Foot Pedal Safety Clutch Release Bar, F Plate Assembly	50 00
Foll	FO-5	Clutch Lever Assembly	2 10
Fold	FO-6	Safety Release Bolt Plate Assembly	2 75
Folk	FO-7	Starting Crank Assembly	3 25
Forest	FO-11	Safety Clutch Foot Plate Complete with Bolt, Bushing and T. P. 14	3 00
Form	FO-13	Tractor Platform	1 25
Fort	FO-14	Power Take-Off Sprocket	10 00
Fosse	FO-16	Countershaft Clutch Sprocket	6 00
Foster	FO-17	Fender Truss Band	10 00
Foul	FO-18	Front Bolster, L. H.	1 25
Fried	FP-26	Front Bolster, R. H.	8 00
Friend	FP-27	Front Bolster Brace, L. H.	10 00
Fringe	FP-28	Front Bolster Brace, R. H.	3 50
Fringed	FP-29	Rear Bolster	3 50
Frock	FP-31	Clutch Lever Bracket	10 00
Frog	FP-32	Front Bolster Brace Rod Over Tractor, state year	1 40
From	FR-2	Countershaft Bearing "U" Bolt with Nuts	2 00
Frost	FS-2	Countershaft Bearing Spacer	1 25
Frosted	FS-3	Clutch Lever Pivot Bushing	10
Fuel	FS-9	Main Countershaft	5
Fumble	FS-12	Fender Stiffeners	7 50
Fume	FT-1	L. H. Pivot Post Spacer Block Wood	25
Fund	FW-1	Drive Chain Idler Block	15
Funk	FW-2	Countershaft Clutch Lever Swivel Plate Block	15
Funnel	FW-3	Clutch Spring	15
Fur	FX-1	Countershaft Bearing Snap Collar	25
Furl	FX-2	Countershaft Bearing N. D. No. 1306	20
Fuse	FX-3	*May be purchased from Ford Dealers.	4 25
Futile	FX-7	Starting Crank Spring	15
Futility	FX-13	Countershaft Cylinder Drive Pulley, 4 1/2" x 1 1/2"	6 00
Talnt	TP-3	Safety Clutch Release Lock Bar	2 00
Track	TP-3	Clutch Lever Catch	1 00
Trade	TP-4	Countershaft Clutch Lever Swivel Plate	1 00
Trail	TP-13	Safety Clutch Release Bar Guide	60
Tailed	TP-14	Safety Clutch Release Lock Foot Plate	75
TAILINGS, ELEVATOR AND CONVEYOR PARTS			
Doctor	DO-4	Tailings Elevator Shaft Bearing Assembly	2 25
Drought	DX-43	Tailings Elevator Shaft Bearing	2 00
Ear	EF-10	Tailings Conveyor Tube Support	50
Earthen	EG-12	Tailings Elevator Sprocket, 7-tooth	60
Erect	EO-4	Tailings Elevator Complete with Chain, Buckets, Shaft and Bearings	30 00
Erelong	EO-8	Elevator Chain Complete with Buckets	10 00
Ermine	EO-14	Tailings Conveyor Complete with Housing, Bearings and Sprockets	20 00
Erode	EO-18	Tailings Conveyor Assembly	10 00
Errand	EO-23	Tailings Elevator Boot Door	50
Errata	EO-24	Tailings Elevator Head Cover	50
Erst	EO-28	Tailings Conveyor Housing Assembly	4 00
Ernst	EO-29	Tailings Conveyor Tube	5 00
Escapade	ER-3	Tailings Conveyor "U" Bolt	25
Essence	ES-24	Tailings Elevator Head Shaft	50
Establish	ES-25	Tailings Conveyor Drive Gudgeon	1 00
Estate	ES-26	Tailings Conveyor Gudgeon, elevator end	1 00
Even	ET-67	Tailings Elevator Adjusting Plate	25
Ewing	EW-11	Tailings Elevator Center Board	2 25
Exact	EW-16	Tailings Conveyor Tube Saddle Wood	20
Excel	EX-6	Buckets for Tailings Elevator	15
Except	EX-7	Tailings Housing Support Pad	15
Saint	SG-13	Conveyor Drive Sprocket, 3/8" bore, 10-tooth	75
THRESHER PARTS			
Daft	DG-11	Thresher Raddle Idler	75
Dale	DG-14	Thresher Raddle Sprocket, 5-tooth	40
Dash	DG-21	Cylinder Bearing Cap, outer	75

Code	Part No.	Name	Price
THRESHER PARTS—Continued			
Date	DG-22	Cylinder Bearing Cap, Inner	\$ 0 75
Doctor	DO-3	Thresher Raddle Idler Shaft Bearing Assembly	2 10
Doctrin	DO-4	Thresher Raddle Drive Shaft Bearing Assembly	2 25
Drag	-19	Conveyor Bearing "U" Bolt	25
Drain		Cylinder Bearing Spacer, Inner	25
Fierce		Cylinder Bearing Housing	1 25
Fuse		Cylinder Bearing	4 25
Haunt		Center Pan Arm to Cutter Bar Bracket	30
Havoc	HI	Cylinder Housing Door Latch Handle	15
Haw	HM	Thresher Raddling Door Latch	10
Sallow	SC 8	No. 1 Raddle Pivot Stay Rod	1 25
Spar	SR-3	Center Pan Arm	5 00
ck	TA-10	R. II. Pan Arm and Pivot Bearing Angle	5 00
	TA-26	Cylinder Concave Bar, all models	25
l.	TC-6	Thresher Raddle Housing Brace	1 00
Ta.	TF-10	Pan Arm Pivot Bracket, R. II.	75
Tally	TF-11	Pan Arm Pivot Bracket Center	30
Talon	TF-12	Cylinder Bar	1 25
Teach	TM-13	Cylinder Guard	1 25
Teachin		Thresher Cylinder with Heads, Bars and Shaft	45 00
Teem		Thresher Raddle Housing Assembly	8 00
Toga		Thresher Raddle False Bottom	5 00
Tolling		Cylinder Head with Hub	7 00
Toll		Cylinder Housing Door—Fron udl orHladetsing	1 50
Tongs		Thresher Raddle Assembly	13 50
Tongue		Grain Deflector Assembly	1 50
Tonic		Thresher Raddle Housing Door Bottom Assembly	1 25
Topic		Cylinder Housing Cover Assembly	5 00
Topple		Cylinder Housing Assembly	25 00
Tore		Thresher Raddle Housing Deflector	1 50
Torn	TO	Thresher Head Center	3 50
Toss	TO	Thresher Raddle False Bottom Tie Rod	20
Trait	TP	Cylinder Housing Spacer	30
Tramp	TR	Thresher Raddle Drive Shaft	1 25
Trance	TR	Thresher Raddle Idler Shaft	1 00
Trap	TS-13	Thresher Pan Arms Pivot Spacer	60
Tread	TS-16	Cylinder Shaft Sprocket, 13-tooth	2 50
Treble	TS-18	Cylinder Shaft Bearing Spacer, outer	20
Tree	TS-19	Cylinder Shaft	7 50
Trench	TS-20	Cylinder Hub Spacer with Key Way	30
Tress	TS-21	Cylinder Bearing "U" Bolt	25
Trice	TS-37	Cylinder Bearing Shim	10
Trick	TS-38	Thresher Raddle Slats	14
Trip	TT-31	Thresher Raddle Bottom Skid Rail	30
Twig	TW-1	Thresher Bar Bolt (Plow) with Hexagon Nut	10
Twist	TW-7	Cylinder Pulley, 4 1/2"x8 1/2"	5 00
Twitter	TX-3		
Typhus	TX-6		
WASHERS			
Crimp	CX-7	Washer for Rear Shoe Hanger	Each 05
Dub	DT-1	Washer for 3/4" Shaft	Per doz. 20
Ducal	DT-2	Washer for 3/8" Shaft	Per doz. 25
Duck	DT-3	Washer for 1" Shaft	Per doz. 30
Duds	DT-4	Washer for 1 1/4" Shaft	Per doz. 40
Duet	DT-8	Washer for Drive Shaft Bearing Spacer	Each 05
Dull	DT-9	Washer for Idler Shaft Bearing Spacer	Each 00
Fry	FS-5	Front Bolster Truss Band Side Hill Washer	Each 10
Function	FT-11	Main Counter Shaft Thrust Washer	Each 10
Grange	GS-9	Grain Blower Drive Sprocket Washer	Each 10
Helm	HT-82	Reel Shaft Thrust Washer	Each 05
Sand	SM-5	Fan Shaft Thrust Washer	Each 05
Stab	ST-30	Eccentric Washer for Separator and All Elevators	Each 05
Stable	ST-53	Fan and Shakershaft Bearing Washer	Each 05
Stake	ST-95	Raddle Idler Bearing Plate Washer	Each 05
Tram	TP-18	Cylinder Shaft Thrust Washer	Each 10

## Special Accessories



### Auxiliary Water Tank for Fordson

Hard, continuous work necessitates the frequent filling of the radiator on a Fordson tractor, resulting in loss of much valuable time.

Our eleven gallon galvanized container is substantially attached to the top of the radiator so that it forms a part of it. The regular overflow pipe is replaced by one long enough to reach to the top of the auxiliary tank.

Less frequent filling of the radiator not only results in a saving of much valuable time, but insures better cooling service for the motor.

This device will quickly pay for itself in time and effort saved.

Price, \$13.50.

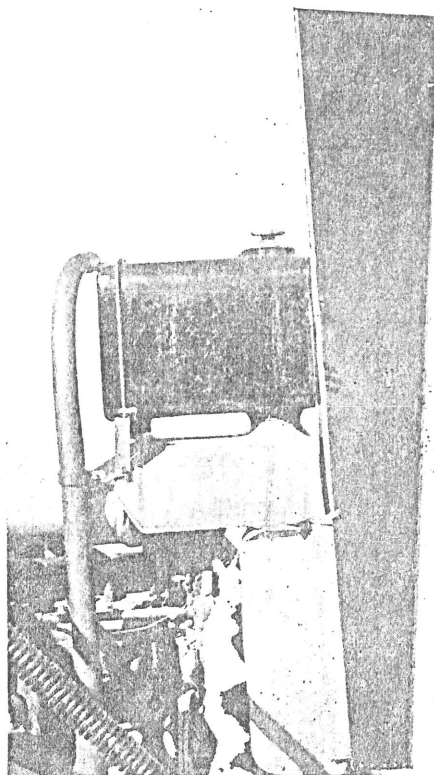
### Protective Radiator Hood for Fordson

When working in dusty fields, the Fordson radiator fins soon become clogged preventing the proper circulation of air around the water tubes. This prevents the proper cooling of the water in the radiator and soon causes the motor to become overheated.

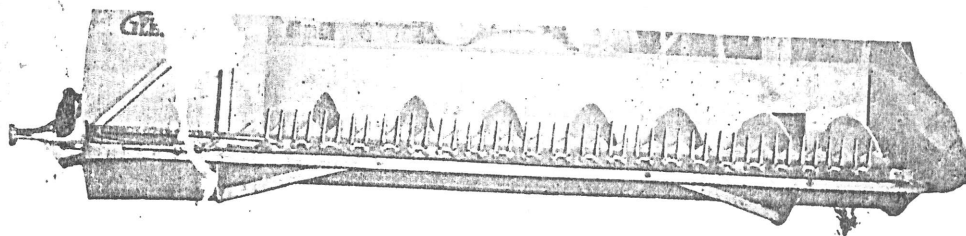
Our Protective Radiator Hood is so constructed that dust cannot be drawn through the radiator. The necessary air supply is taken high above the dust strata where it is comparatively clean.

This hood is well made of wood and galvanized sheet steel. It can be quickly attached or detached.

Price, \$10.00.



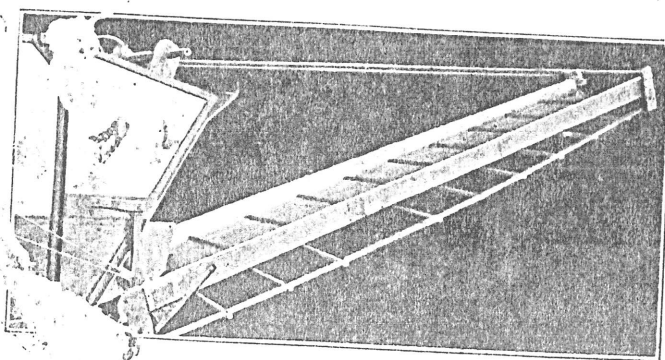
## Special Kafir Sickle and Cutter Bar



For threshing cane, maize or kafir from the shock, the Gleaner is well adapted. To accomplish this work a special sickle and cutter bar is arranged so the guards may stand in a vertical position for cleaving the heads from the stalks. This is the most practical method ever devised for doing such work. The self propelling feature of the Gleaner enables the operator to move quickly from shock to shock, and makes rapid work possible. The spiral conveyor carries the heads from the sickle to the cylinder better than canvas, and is not damaged by the stiff stalks. The Gleaner is the best machine at any price for this kind of work.

Price, \$18.00

## The Gleaner Straw Carrier

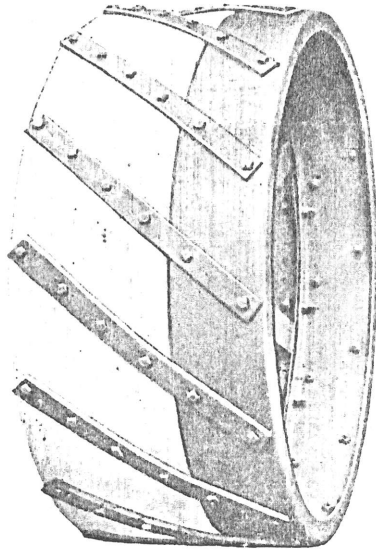


The Gleaner is an efficient machine for threshing shocks and stacks as well as for field work and when used for threshing from stacks, an effective straw carrier adds much to its convenience.

The Gleaner straw carrier is 14 feet in length, has means for adjusting, is simple and effective and will do the work for which it is designed.

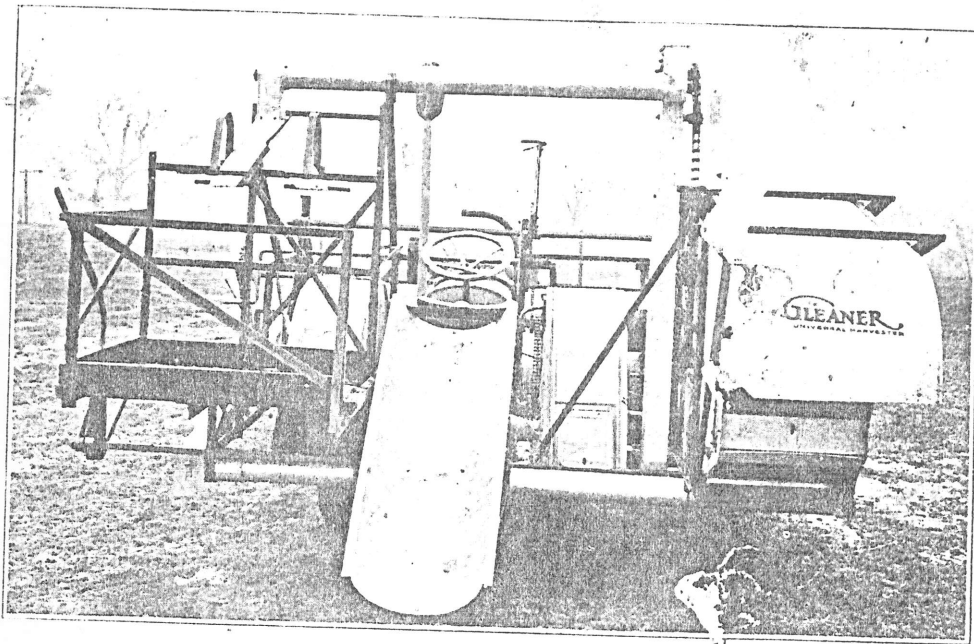
Price, \$65.00

## Gleaner Extension Rims



Extension rims increase Fordson efficiency when operating over soft or sandy ground. Our special extension rims are of heavier stock than is commonly used. The flat steel bar lugs extend across and are firmly bolted to both the tractor wheel and extension rim. The lug bars are the same in number and are bolted to the rims at the same angle as the standard lugs used on the Fordson drive wheel. The lug bars reinforce both wheel and rim. The extensions are firmly attached to the wheels by the lug bars. Our special rims are desirable when the Fordson is being used for harvesting with the Gleaner. The machine rolls over the field easily without jolting or jarring. Less power is consumed for transporting and more power is available for harvesting. Our special rims are better. They cost no more than others.

Price \$35.00 per set.



## Sacking Platform with Sack Dump

The Gleaner is equipped with sackers, sacking platform and sack dump for use in district where it is customary to handle the grain in sacks.

Complete sacking equipment is furnished instead of grain bin as regular equipment where desired. Where both sacking attachment and bin are wanted there will be an extra charge of \$100.00.