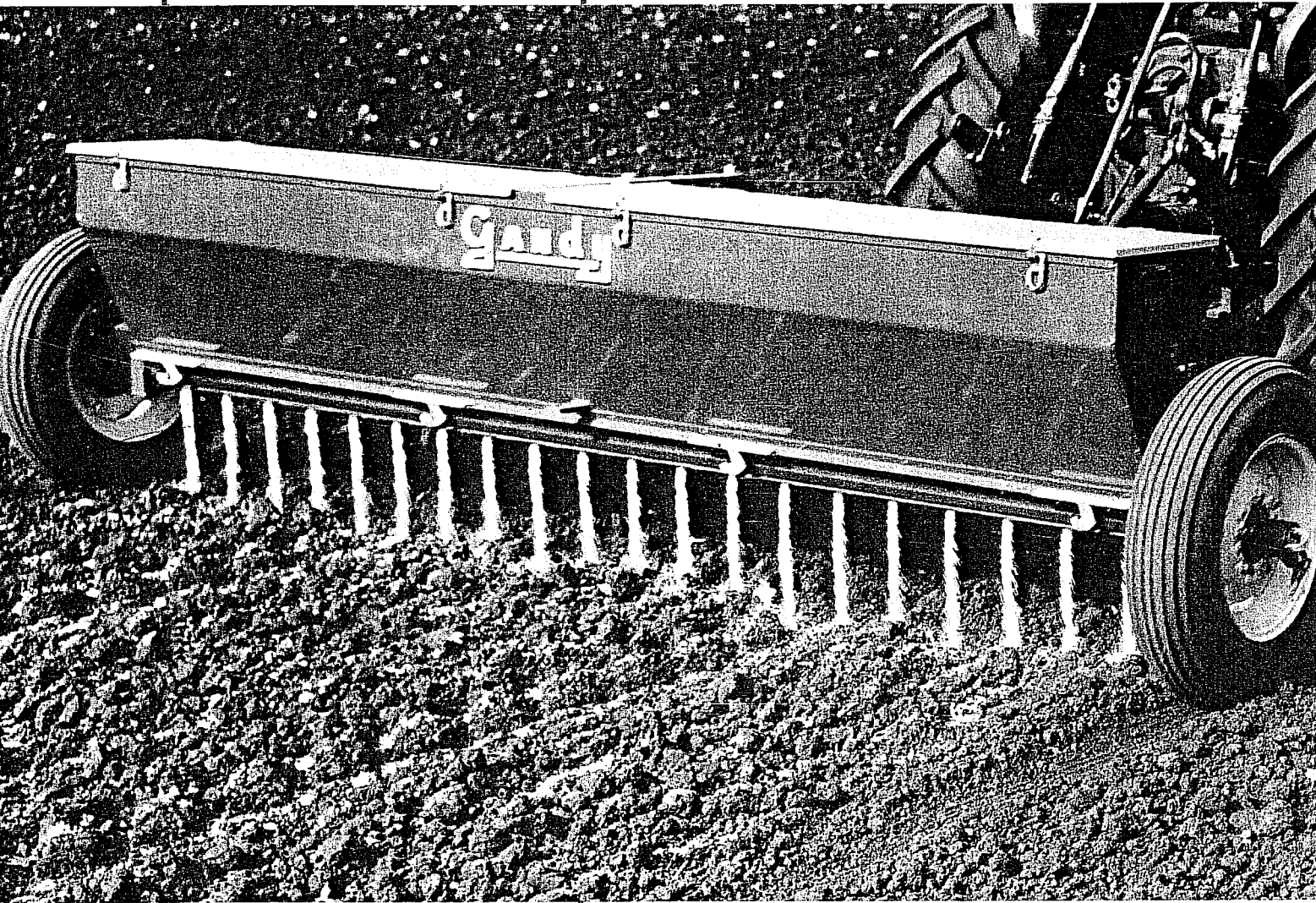


GANDY[®]

OPERATOR'S MANUAL

**10 SERIES
spreaders**

Models 1006, 1006A (6-ft), 1008,
1008A (8-ft), 1010, 1010A (10-ft),
1011A (11-ft), and 1012 (12-ft)



GANDY COMPANY

10 GANDRUD ROAD

OWATONNA, MINNESOTA 55060

SINCE 1936 . . .

WORLD'S MOST ACCURATE APPLICATORS

This manual is to help you assemble, use, and care for your GANDY spreader. You'll find it a rugged, simple machine that makes extremely high-precision applications. Proper care is extremely important, and this is covered thoroughly. A parts list is in the back, so your dealer can service you easily.

DELIVERY REPORT

Delivered to _____ Address _____
 (Street and No. or R.F.D. and Box No.)

_____ 19____
 Town County State Zip Code Date

Total acres or hectares _____ Model Delivered _____

Unit being replaced, if any: _____ Size _____

Brand _____ Size _____ Serial No. _____

Predelivery Service: Prior to delivery of the above machine the following checks and tests were made, and corrective action taken as necessary:

- ROTORS PAIRED: check to see that there is a pair, with a silver "right" and a gold "left".
- ROTOR DIRECTION: check to see that rotors have hooks pointed forward, as shown on page 11.
- TURN ROTORS: turn rotors to see that they turn freely.
- GREASE FITTINGS: check all fittings to see that they take grease properly.
- AXLE BOLTS, WHEEL LUG BOLTS: check to be sure they're tightened securely.
- ALL OTHER BOLTS AND CAP SCREWS: check to see that all are tightly secured.
- SLIDE: if too tight (moves too hard), drop slide to lubricate hinge hangers and adjust tension-tee spring.
- CLUTCH: be sure stub drive turns freely in out-of-gear position. If not, file off pin.
- CASTELLATED NUT FOR SHUT-OFF LEVER: be sure it is snug, so lever can't wobble.

Delivery Service: At time of delivery, importance of the Operator's Manual was explained and, with it as a guide, instruction was given as checked below:

- OPERATOR'S MANUAL: be sure manual is delivered and explained.
- CLEANING: show how to drop slide, remove stub drive, and rotors. Explain necessity of thorough cleaning and protection for storage, with slide down.
- LUBRICATION: show how, where, and tell when to lubricate.
- CLUTCH: explain operation
- GAUGE: explain setting.
- PRECISION CALIBRATION: explain how to make a precision calibration, as covered on page 10.
- FIELD-CHECK RESULTS: explain how to check application rate with simple field check, as covered on pages 8 & 9.
- TIGHTEN BOLTS AFTER FIRST USE: remind to check all bolts and nuts after first half-day of use.
- SHUT-OFF LEVER: explain 15 positions.
- REAR HITCH: explain use of trailing load, and its strength.
- AUXILIARY HOPPER: cover thoroughly if used.

Customer's signature below certifies that machine was delivered to him in a satisfactory condition, and that he received instruction as to its proper operation and maintenance.

Signed _____ customer Signed _____ dealer

By _____ By _____

HOW TO GET THE BEST POSSIBLE RESULTS WITH YOUR NEW GANDY SPREADER

Congratulations upon becoming the owner of a Gandy Spreader! You will find that a great deal of effort has gone into making this a useful, high-quality machine capable of maintaining its high level of accurate performance over many years of service.

However, the quality of service which you **SET UP PROPERLY**—see page 14-15

To begin with, your spreader must be set up properly in order to function properly. Detailed instructions on setting up begin on page 14, and they should be followed very

LUBRICATE PROPERLY Use NLGI No. 2 grease,

Proper lubrication lengthens machine life, and lack of it shortens life. There are seven fittings which require twice-a-day lubrication, and two which require periodic lubrication, as needed. Those two are on the rate gauge "hand", and on the knee joint at the rear of the hitch pole.

The three rotor bearings are porous bronze, with a grease well, and should be greased sparingly, twice daily. Do not over-grease, as this will force excess grease out into the spreader compartment, possibly causing

receive will be determined to a great extent by the care you give the machine, and the understanding with which you operate it.

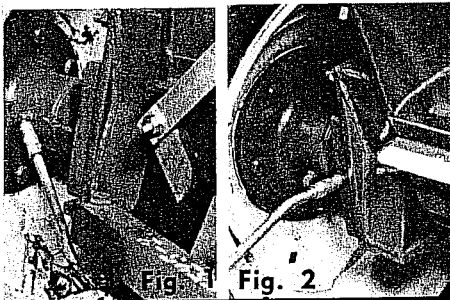
It is our intent that this manual will provide the information you need to use your spreader most effectively, and over the longest possible period of service.

carefully. **NOTE: BE SURE TO TIGHTEN ALL BOLTS AND NUTS AFTER THE FIRST SHORT RUN. THE RIGHT SIDE OF THE MACHINE IS YOUR RIGHT AS YOU FACE THE DIRECTION OF MACHINE TRAVEL.**

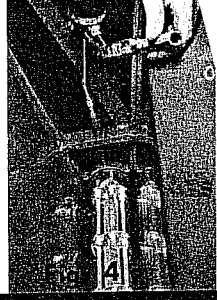
lithium 12 hydroxystearate, high-temperature (350°).

interference with feeding of material out through the openings in the hopper bottom.

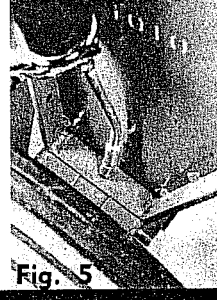
The bearings for the two wheel hubs and the two wheel-hub collars have built-in grease reservoirs, and should be greased generously. In both cases, the bearings are grey-iron on steel, and will give excellent service, but lubrication is extremely important. When lubricated, grease should come out the parting line between the two sections of collar, and also out the inside end of the wheel hub, before you stop.



Generously—twice a day

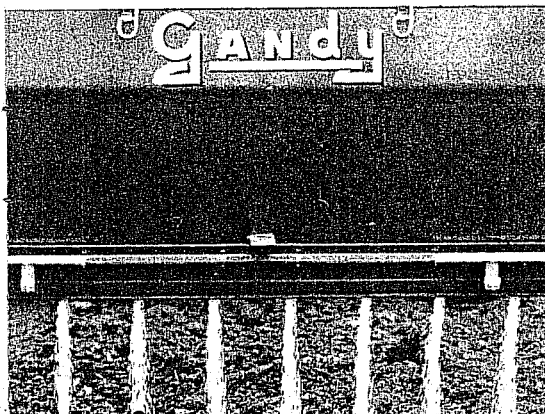


Sparingly—twice a day



Periodically—as needed

TWO MODELS IDENTICAL—EXCEPT FOR HOPPER OPENINGS



Agricultural models (Figure 8) have 2-inch openings spaced 6 inches apart in hopper bottom. Spreading plate, calibration pan, powder angles available. In 6, 8, 10, and 12-ft sizes. (A 1006 is a 6-ft. unit.)

A-series models (Figure 9) have 1½-inch openings spaced 33 inches apart in hopper bottom. Spreading plate, powder angles furnished standard. Calibration pan available. In 6, 8, 10, and 11-ft sizes. (A 1006A is a 6-ft unit.)

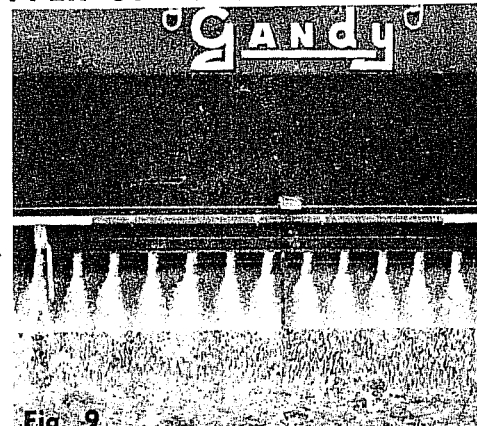
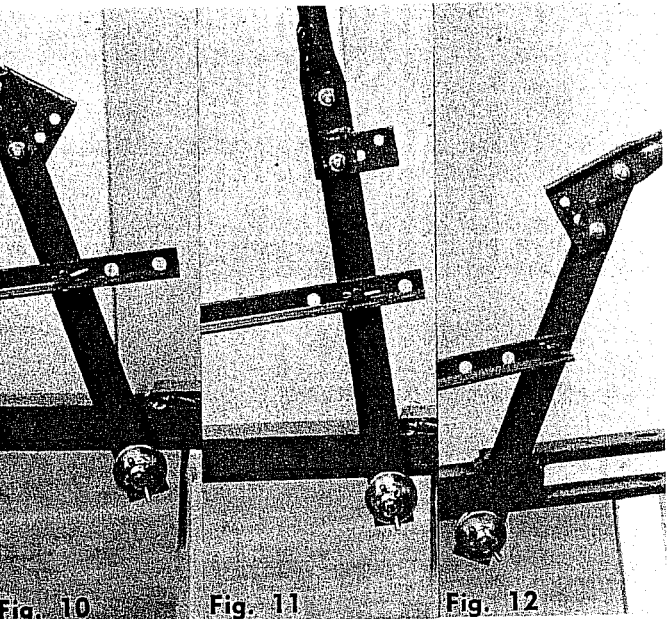


Fig. 9

15-POSITION SHUT-OFF LEVER, FOR EASY REACH



The shut-off lever closes the rate-control slide when you wish to stop the flow of material from the hopper, and wish flow to begin again. There are 15 positions, for easy reach from any tractor seat. By reversing, the handle has five, and there are three more in the connector link. FORWARD IS OPEN, TO THE REAR IS SHUT.

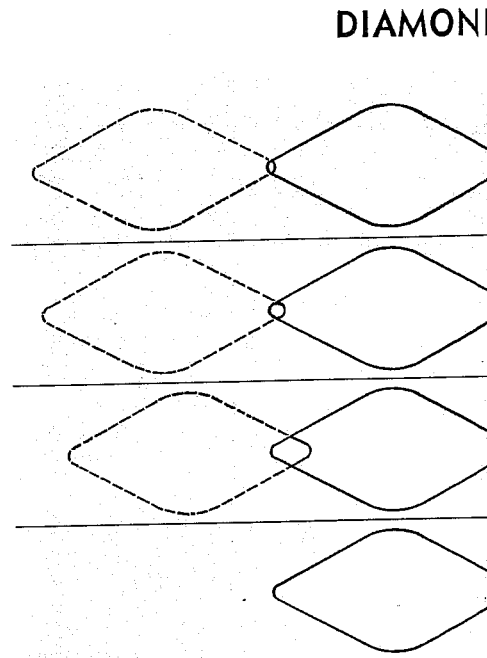
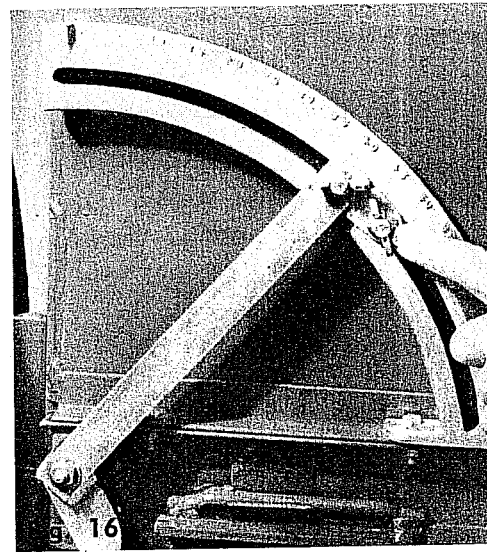


Fig. 13

DIRECT-ACTING GAUGE GIVES POSITIVE RATE CONTROL



Your slide must stop at the same place every "turn on" for uniform rates. It does with GANDY, against the high-precision gauge cam. No linkage slop, ever!
 Set gauge easily. Close slide with shut-off lever. Loosen gauge lever and security block wing nuts. Match scribed line on lever with desired number on quadrant (Figure 15). Tighten wing nut. Move security block to gauge (Figure 16). Tighten wing nut.
 NOTE: ON A-SERIES MACHINES, MAXIMUM OPENING IS AT 51. DO NOT REMOVE HEX-NUT-SECURED BLOCK WHICH STOPS GAUGE AT THIS POINT!



SELECT APPLICATION RATE... CHOOSE GAUGE SETTING

With thousands of different formulations of fertilizers and chemicals on the market, it is impossible to provide specific, calibrated settings for all of them. Here is a simple process for finding the setting you should use, for your material, at your rate, at your speed: MAKE A TRIAL GAUGE SETTING AT SOME NUMBER BETWEEN 15 AND 20. FOR MOST FERTILIZERS AVAILABLE, THIS WILL APPLY APPROXIMATELY 200 POUNDS PER ACRE AT FIVE MILES PER HOUR.

Next, check your actual application rate. Do this by filling the hopper level full, and then covering a known area, such as an acre. Then, re-fill the hopper, keeping a record of how much material it takes to re-fill.

DIVIDE THE AMOUNT REQUIRED TO RE-FILL BY THE AREA COVERED. THE RESULT WILL BE YOUR ACTUAL APPLICATION RATE, AT YOUR FIELD SPEED. For example, if you used 200 pounds to re-fill, and had covered exactly one acre, your

AND HIGHEST-PRECISION OPERATION

APED OPENINGS—PUNCHED INTO BOTTOM AND SLIDE AT SAME TIME

GANDY diamond-shaped openings (Figure 13) have small, circular ends. No corners, ever, for particles to "hang up" in. Very small openings are oval-shaped, larger are circular, still larger are oval. Larger yet are diamond-shaped.

Precision application requires absolute uniformity of openings, at all times, from one end of the hopper to the other. Bottom and slide (Figure 14), punched as mated pair, are never separated during manufacture. This assures uniform openings at all sizes, always.

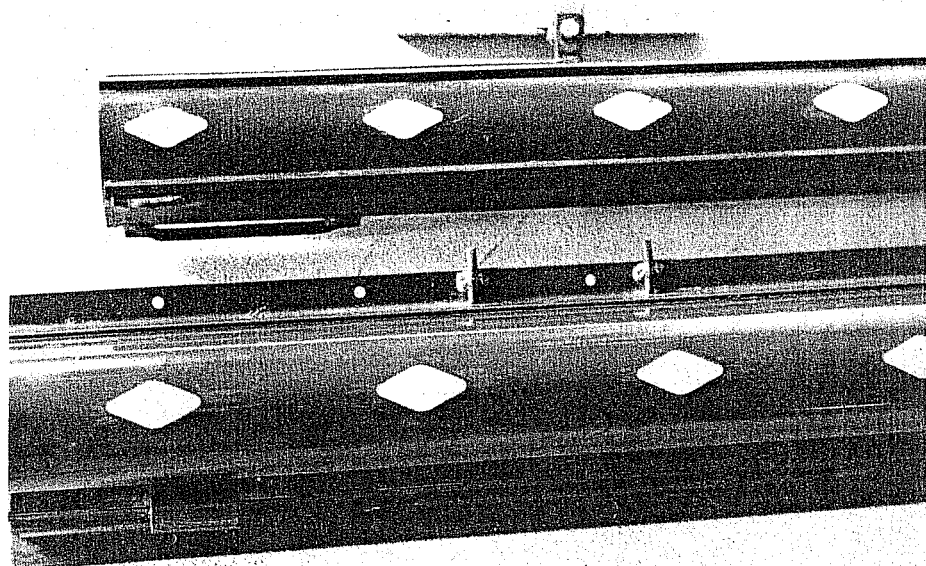


Fig. 14

SIMPLE THREE-POSITION CLUTCH IN HUB

The three-position clutch lever in each hub is easily moved to IN GEAR position (Figure

17) or OUT OF GEAR (Figure 18). Third position (Figure 19) is used for rotor removal.

IN GEAR

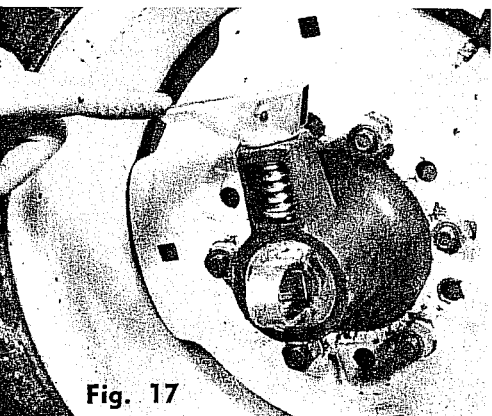


Fig. 17

OUT OF GEAR

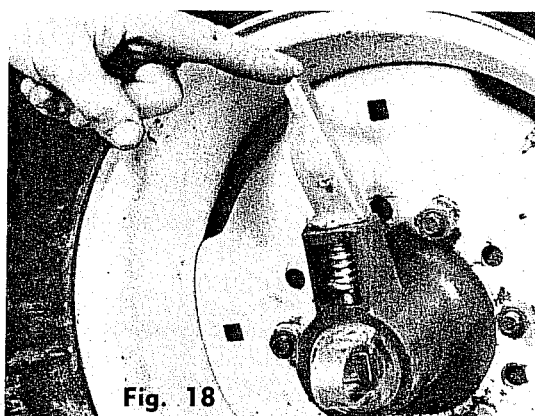


Fig. 18

FOR ROTOR REMOVAL

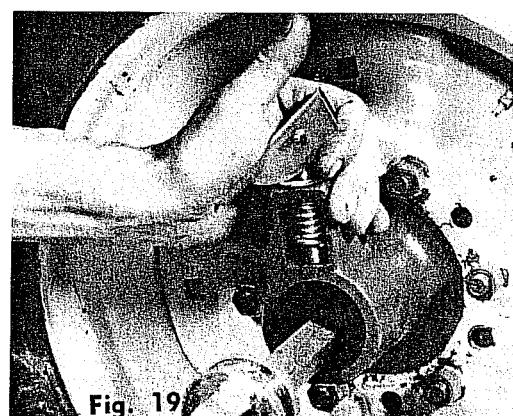


Fig. 19

FIELD-CHECK YOUR RESULTS

rate would be 200 pounds per acre.

If your trial setting gave you too low a rate, increase the setting and try again. If your trial setting gave you too high a rate, reduce the setting and try again. When you find the setting that gives you the desired rate for your speed, enter it in the calibration record chart on page 11.

These figures may be of some help in your

computations. Based on a field length of 80 rods, or $\frac{1}{4}$ mile, here is the area covered in one round with various sizes of machines:

MACHINE WIDTH	PORTION OF ACRE COVERED IN ONE ROUND
6 ft	$\frac{3}{8}$ or 0.38
8 ft	$\frac{1}{2}$ or 0.50
10 ft	$\frac{5}{8}$ or 0.63
11 ft	$\frac{11}{16}$ or 0.69
12 ft	$\frac{3}{4}$ or 0.75

MAKE PRECISION CALIBRATIONS EASILY WITH CALIBRATION PAN

You can easily make a precision calibration for any material. Use calibration pan furnished with A-series (available for agricultural) models. It is half the machine width and hangs under hopper to catch amount metered out. **SPEED AFFECTS RATE! YOU MUST DRIVE AT ACTUAL OPERATING SPEED WHEN CALIBRATING!**

To determine speed, measure an 88-foot run with a GANDY Measuring Wheel. Time your runs. At 1 mph, it will take 60 seconds. At 2, 30 seconds; at 3, 20; at 4, 15; at 5, 12; etc.

To calibrate, measure distance for your size machine (see chart). Catch material delivered in that distance. Weigh it. Multiply by 20 to get actual rate in pounds per acre.

To simplify calibration, stake off HALF the

distance for your size machine. Begin ahead of starting stake, opening the shut-off lever as you pass it. Close lever at end stake. Turn around. Open lever as you pass stake again and close at starting stake. This way, spreader is always at starting place when it is time to weigh a sample. **WHEN YOU FIND THE SETTING THAT WILL APPLY AT THE RATE YOU WANT, ENTER IT IN THE CHART AT RIGHT.**

MACHINE SIZE	SIZE OF CALIBRATION PAN	NUMBER OF FEET DRIVEN TO COLLECT SAMPLE FOR 1/20 ACRE
6-ft	3-ft	726 ft
8-ft	4-ft	544.5 ft
10-ft	5-ft	435.6 ft
11-ft	5½-ft	396 ft
12-ft	6-ft	363 ft

LONG SPREADER LIFE DEPENDS UPON THOROUGH CLEANING

Two kinds of machines must be thoroughly cleaned -- a cement mixer and a fertilizer spreader. Either can be easily ruined by poor cleaning. On the other hand, thorough cleaning of your GANDY spreader will assure you of almost indefinite service.

Cleaning your GANDY spreader is simple task, and one that can be performed very quickly. First, run the machine until the hopper is empty -- or until it will no longer apply fertilizer uniformly.

Then, make a note of the gauge setting, for future reference. Move the gauge block to the far-open position. Move the gauge itself to the far-open position -- 70 on ag-

ricultural units, and 51 on A-series units. Pull the shut-off lever forward so that the rate-control slide is "wide open".

Unlatch the spring-loaded tension tees (Figure 20) which hold the slide tight against the hopper bottom. (Adjustable springs are completely shielded, stay like new for life of spreader. If adjusting, be sure to leave some slack for compression of the spring.)

Drop the slide (Figure 21). Slide is free to swing down, away from hopper, when last tension tee is unlatched. If you wish, you may remove slide completely by taking out a cotter pin and removing a clevis pin (Figure 22). And it won't go back together wrong!

10

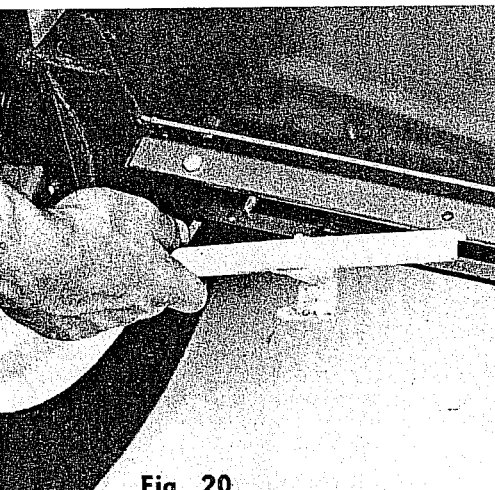


Fig. 20



Fig. 21

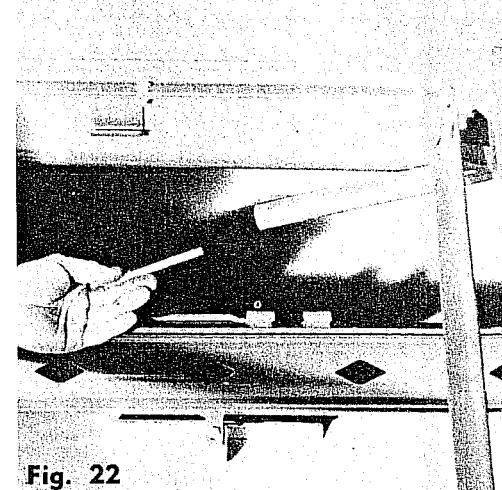


Fig. 22

EASY-TO-USE ACRE COUNTER

An acre counter (extra equipment) records wheel revolutions. This converts easily to

acreage, using chart below listing all sizes of machines, with various sizes of tires.

REVOLUTIONS PER ACRE, for various sizes of tires and machines.

tire size	14-inch rim spreader size					tire size	15-inch rim spreader size					tire size	16-inch rim spreader size					tire size	20-inch rim spreader size				
	6	8	10	11	12		6	8	10	11	12		6	8	10	11	12		6	8	10	11	12
	7.50	1109	832	665	605		554	6.70	1083	812	650		591	554	6.00	1012	759		607	552	506	7.50	788
8.00	1091	819	655	595	546	7.10	1058	794	635	577	529	6.50	990	743	594	540	495	8.25	762	571	457	415	381
8.50	1066	800	640	582	533	7.60	1042	782	625	568	521							9.00	729	547	438	398	365

Example: 6350 revolutions makes 10 acres with 10-ft spreader and 7.10-15 tires.

ND YOU CAN CLEAN A GANDY IN ONLY MOMENTS!

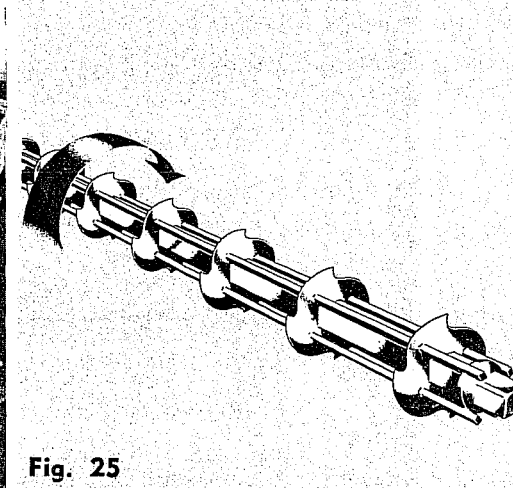
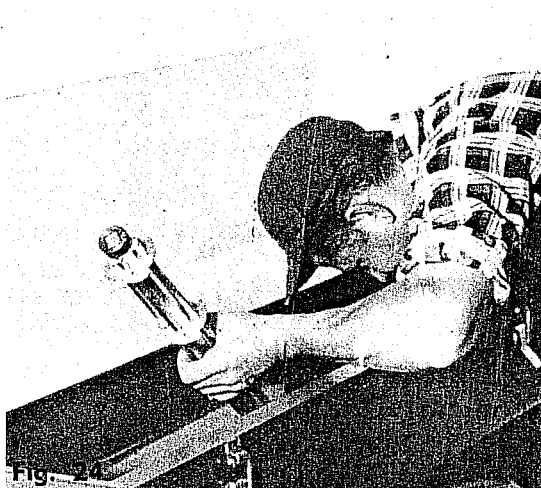
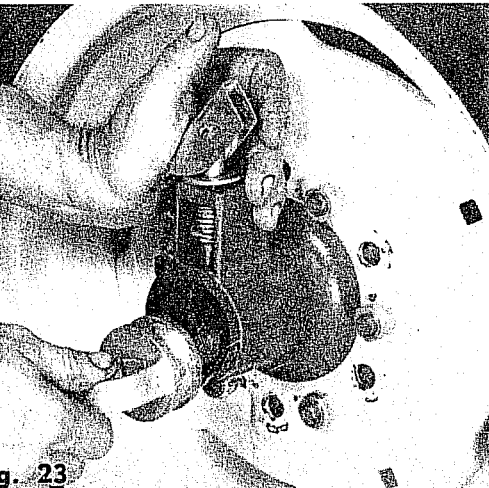
Pull out stub drive that drives rotor. Release as shown in Figure 23.

Reach inside hopper, slide rotors to end of hopper until free of center bearing and lift out. Hopper is now cleared, for cleaning. NOTE: THIS CAN BE DONE VERY QUICKLY. IN LESS THAN A MINUTE, YOU CAN DROP SLIDE AND REMOVE BOTH ROTORS.

Using a cloth or glove, sweep loose material out hopper bottom openings. Wipe clean, so there is no fertilizer left on inside of hopper, or on outside of hopper bottom, or on either side of the rate-control slide. This is important, as fertilizer becomes very difficult to remove after it is "hardened on".

If spreader will not be used for several days, or will be stored until the next season, use an oily cloth to cover both inside and outside of both hopper bottom and slide with a light coating of oil. Leave slide in its "dropped" position, and place rotors inside hopper. Close cover and secure. If at all possible, shed machine, out of weather.

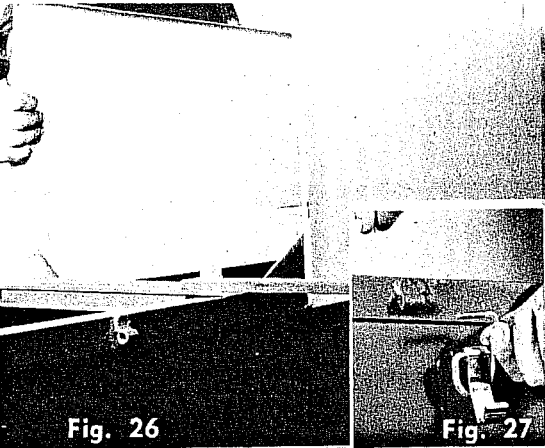
CAUTION: BE SURE TO INSTALL ROTORS AS SHOWN IN FIGURE 25, WITH "HOOKS" POINTED FORWARD, WHEN PREPARING FOR NEXT USE. RIGHT ROTOR IS SILVER, AND HAS "R" ON END. LEFT ROTOR IS GOLD, HAS "L" ON END.



g. 23

Fig. 24

Fig. 25



Reverse positive-locking lids easily, for filling from either side

Twin toggle locks for each lid assure positive control

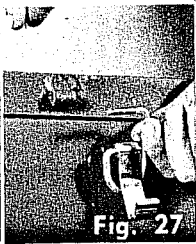


Fig. 26

Fig. 27

Identical "hinge halves" are placed on both sides of the hopper, so the lids can be installed on either side. The lids themselves have the other halves of the hinges, and are held in place with a hinge pin, secured by a cotter pin in each hinge. The hinge-halves not used for the lids are used to hold the toggle locks -- two per lid. They are held in place by a cotter pin (Figure 27) and must also be changed when the lids are reversed.

Each lid is also equipped with a spill guard which makes it possible to shovel material against the lid without danger of loss. In addition, the guard serves as a lock, to hold the lid upright.



Fig. 29

This simple acre counter is easily mounted to record revolutions of the wheel.

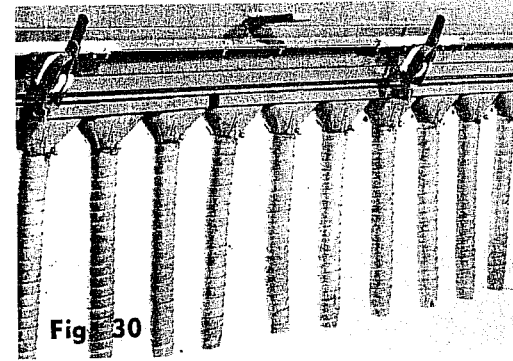


Fig. 30

Funnel-tubes carry material closer to ground when hopper is carried on another unit.

ENJOY THESE CONVENIENCE FEATURES

Get 14, 15, 16, or 20-inch wheels

"Dish" them "in" or "out" to get three wheel settings

You can use practically any tire you wish, with four different rim sizes -- all of which mount on the same hub. In addition, all the wheels can be "dished in", for minimum wheel center spacing, or "out", for maximum spacing, which is five inches more. Or, dish one "in" and one "out", for an in-between setting.

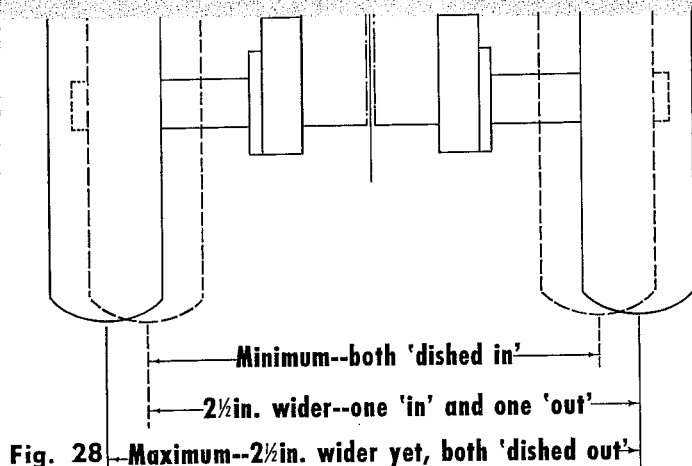


Fig. 28

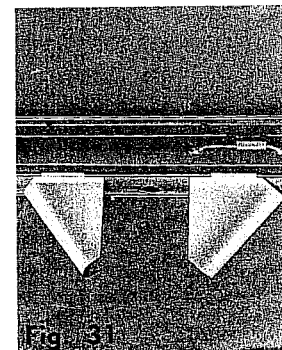


Fig. 31

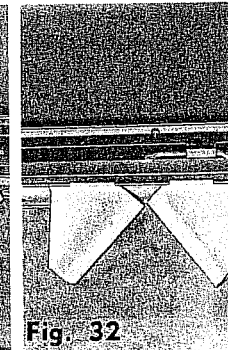


Fig. 32

Band with deflectors (Figure 31) or switch them side-for-side for side-dressing (Figure 32). They are installed in the same way as the closures below (Figure 36).

Hole closures (Figure 36) are used with deflectors (above) and for banding. To install, place hook over square rod on front of slide, pull with pliers on lip end to snap over rod on back of slide.

Spreading plates are furnished with A-series models, and are available for agricultural units. They spread the ribbons to create a broadcast pattern. They hook into the front of the hopper bottom, and are suspended at the rear by chains which hook into the tension tees. Height is easily adjusted.

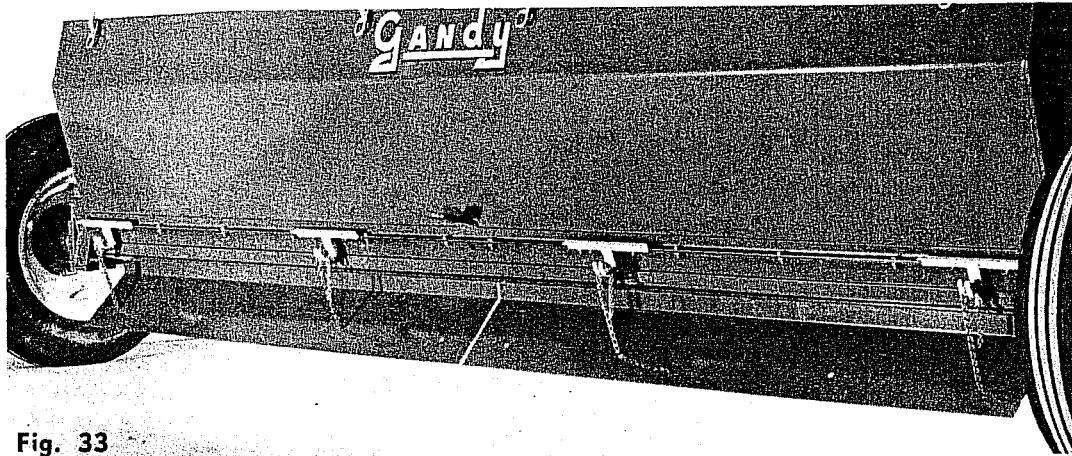


Fig. 33

A calibration pan is available for all units. It's carried on the spreading plate, to catch material metered out of the openings. Without any plate, it can be held in position by running wires from the tension tees to the front of the hopper bottom, where the spreading plate attaches.

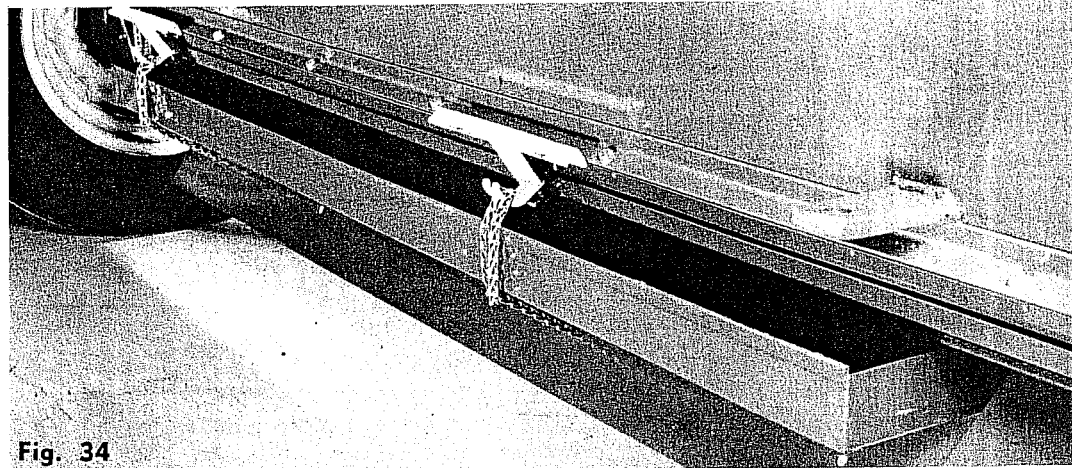


Fig. 34

Auxiliary hoppers are available in 8, 10, and 12-foot sizes for application of granular chemicals, trace elements, or seeding of small-seeded crops. Openings are six inches apart. Drop tubes are available as extra equipment; also hole closures, similar to those shown in Figure 36.

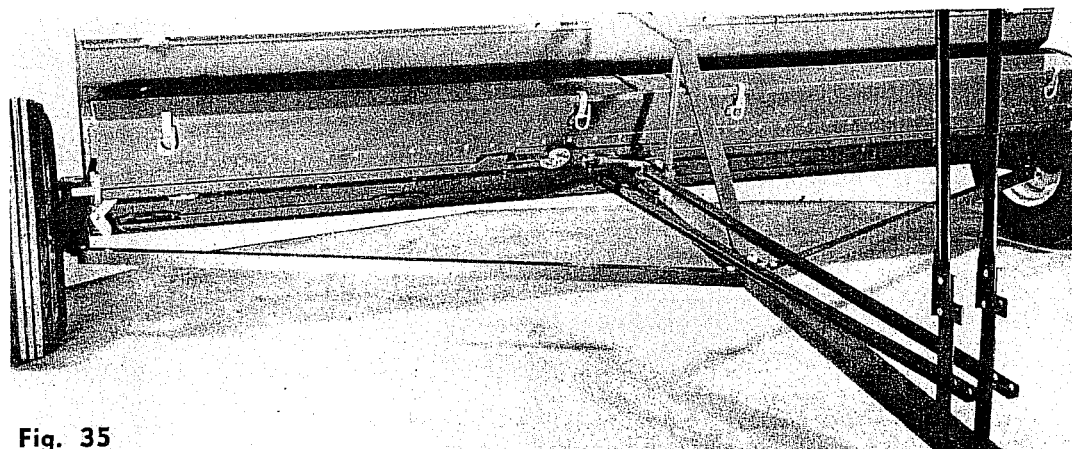


Fig. 35

Powder angles, recommended for powdery materials, are furnished with A-series powdery units, available for agricultural models. Install alternately "up" and "down" (Figure 37). Draw cap screw snug without bowing $\frac{1}{4}$ -inch square rod.

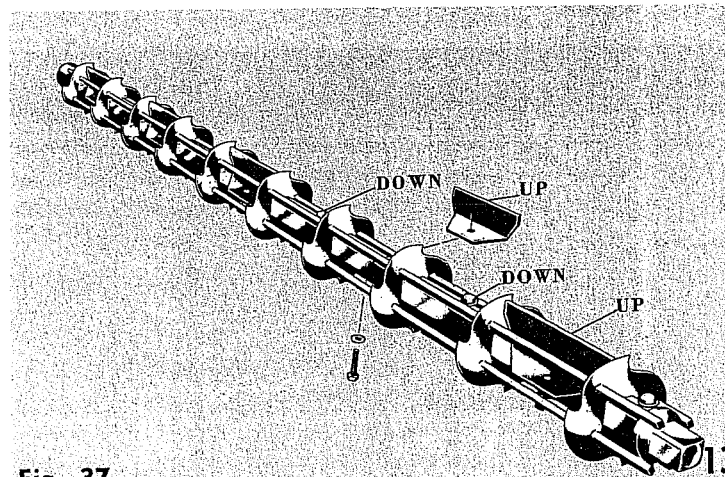
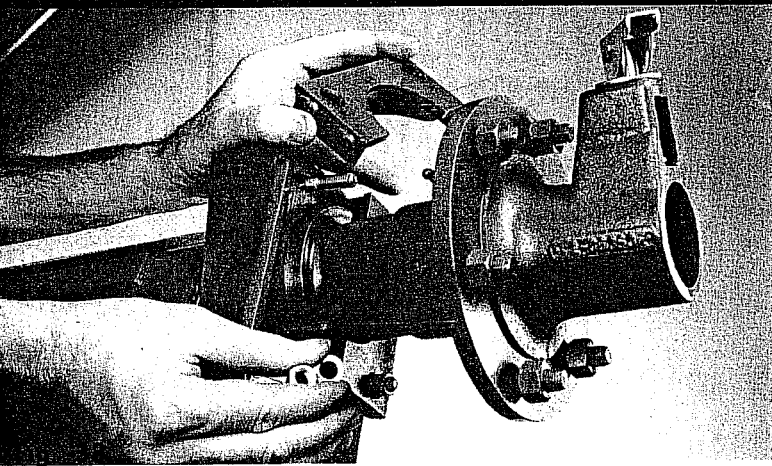


Fig. 37



Fig. 36

SETTING-UP INSTRUCTIONS



1. Install hubs and wheels.

NOTE: TO PREVENT POSSIBLE DAMAGE TO HOPPER BOTTOM, BE SURE TO LEAVE WOODEN PROTECTIVE STRIP IN PLACE ON THE BOTTOM UNTIL THE UNIT IS COMPLETELY READY FOR USE. Right end of hopper is rate-gauge end. Reference numbers in instructions are same as on exploded-view drawings and in the parts list.

1. Install axles (25, 26) (if not installed).
2. Install hubs (28) (if not). Secure collars (6) using extra nuts and lock washers on long bolts (25b, 26b).
3. Install wheels (8) with bolts and nuts (28-1, 28-2). Dish "in" or "out" as desired.

5. Connect slide to knee lever.

1. Pull down on outer end of pole to bring hopper to upright position.
2. Free the connector link (24) which is wired to the rate-control slide (9-1).
3. Remove cotter pin (23b) from clevis pin (23a) in knee lever (23) on hopper end of pole.
4. Place connector link in knee lever clevis and re-insert clevis pin. Secure with cotter pin.

14

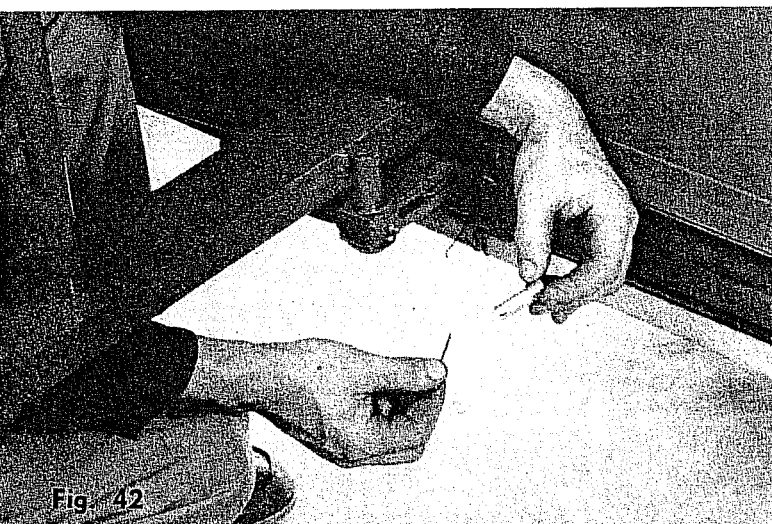


Fig. 42



Fig. 39

2. Install rain trough.

1. With hopper on its back (gauge up), remove rain trough, covers, and hardware bag.
2. Fasten rain trough (13) in place over center frame with drive screw (13a).
3. If not in place, install rotors. Place silver bar at right end, as shown in Figure 25. Secure with stub drive assembly (27).

6. Install shut-off lever.

1. Bolt lower part of shut-off lever (20) in place on right side of pole. Place welded-in pin to right. Use bolt (19), place a wrought washer (19c) on each side of lever.
2. Secure with castellated nut (19a). Draw just tight enough to hold lever in position. (Not too tight, or lever can't be moved easily.) Lock with cotter pin (19b).
3. Bolt upper part of shut-off lever (21) to lower part with hex screw (20a) lock washer (20b), and nut (20c). NOTE: BY REVERSING LEVER, FIVE POSITIONS ARE AVAILABLE.

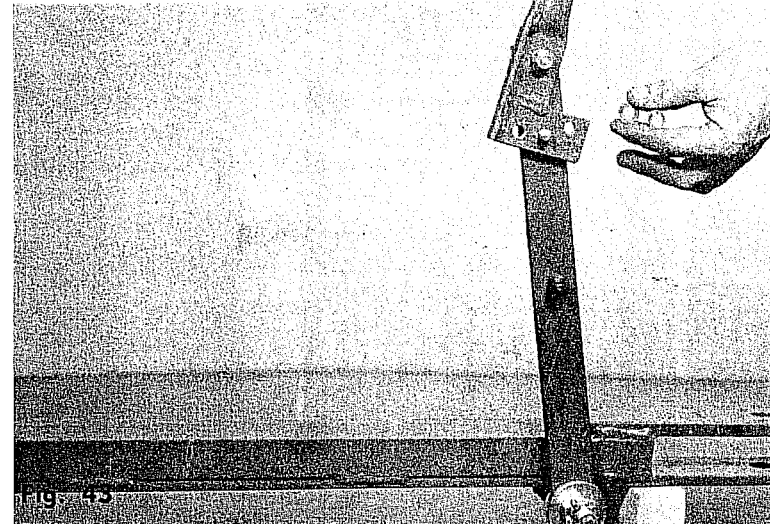


Fig. 43

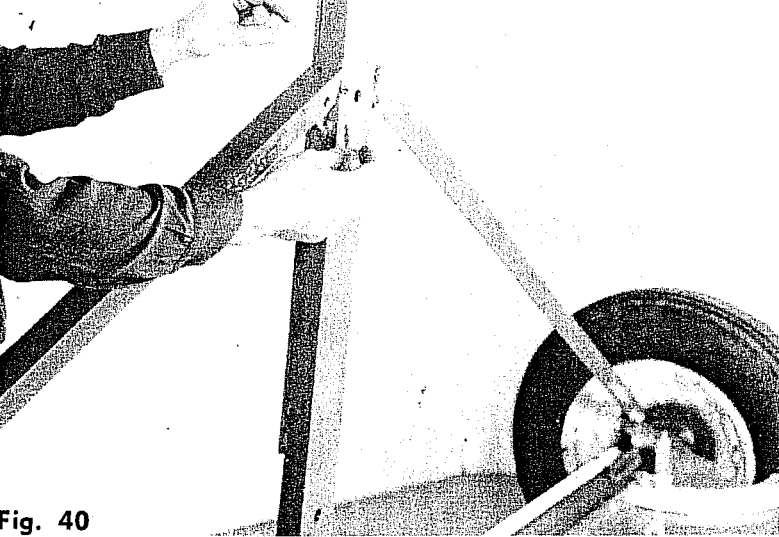


Fig. 40

3. Install pole and braces.

Break open pole bundle and its related parts.

1. Bolt right brace (17) to right axle, using hex screw (17a) and lock nut (17b).
2. Bolt pole (18) to hopper with hex screw (18a), lock washer (18b), and nut (18c).
3. Bolt right brace to tab on pole with hex screw (17a) and lock nut (17b).
4. Bolt left brace to axle and tab on pole.

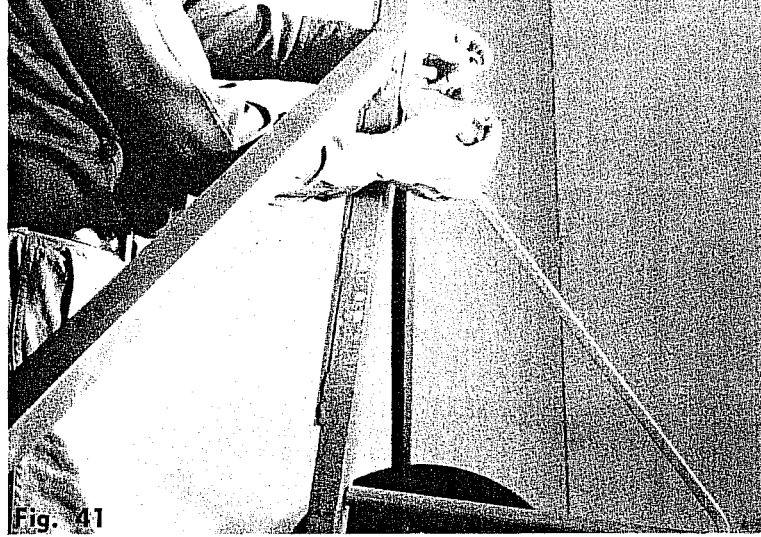


Fig. 41

4. Install center brace.

1. Bolt center brace upright (14) to pole, using lock washer (14a) and nut (14b).
2. Bolt center brace (15) to upright, using lock washer (14a) and nut (14b).
3. Bolt center brace to center frame of hopper, placing lock washer (15c) on hex screw (15a) before threading into nut which is welded in place on lower side of center frame.
4. Bolt center brace to pole using hex screw (15b), lock washer (15c), and nut (15d).

7. Connect drag link to shut-off, knee levers.

1. Connect end of drag link (22) with one hole to knee lever (23). Secure with cotter pin (23b).
2. Connect other end of drag link (with three holes) to shut-off lever. Secure with cotter pin (20d). NOTE: WITH THE THREE HOLES IN THE DRAG LINK, AND THE FIVE POSITIONS FOR THE UPPER PART OF THE SHUT-OFF LEVER, A TOTAL OF FIFTEEN POSITIONS ARE AVAILABLE FOR THE TOP END OF THE LEVER.

8. Install lids and locks.

1. Install lids (11) on whichever side of hopper is desired. Secure with clevis pin (11a) and cotter pin (11b).
2. Install cover locks (12) in "hinge halves" on side of hopper opposite cover hinges. Secure with cotter pins (12a).
3. Remove wooden protective strip from bottom of hopper. Machine is ready for use. AFTER A SHORT PERIOD OF USE, CHECK NUTS AND BOLTS. TIGHTEN IF NECESSARY. CAUTION: DO NOT TRAIL MACHINE BEHIND CAR OR TRUCK. WHEEL BEARINGS ARE NOT DESIGNED FOR HIGH SPEEDS.

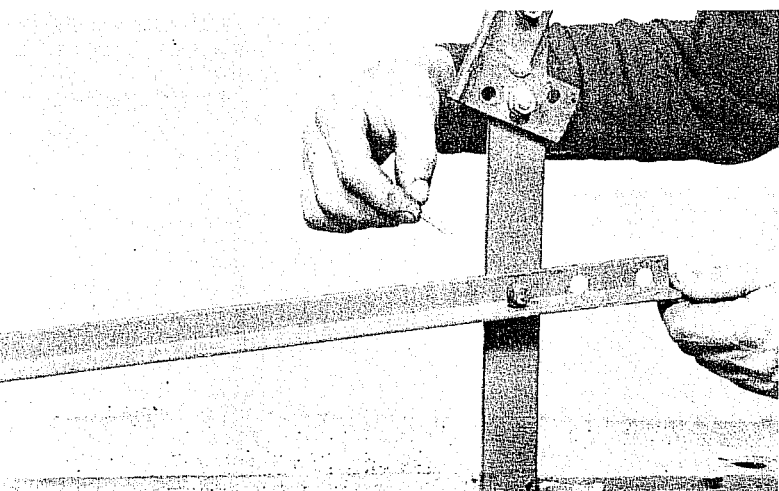


Fig. 44

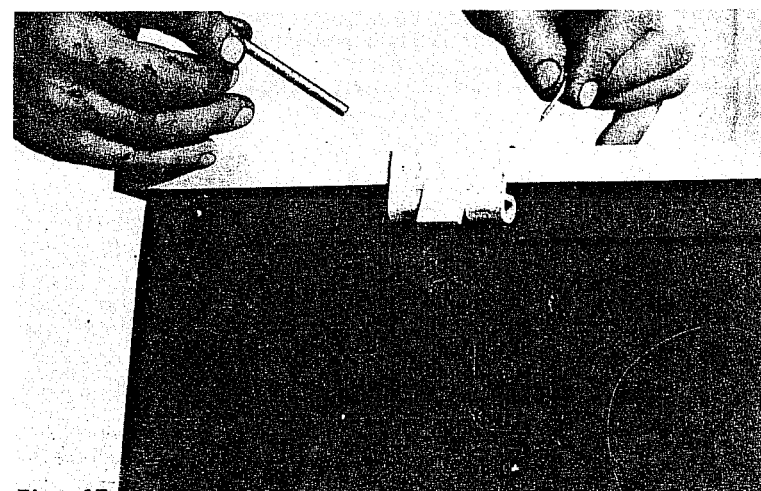
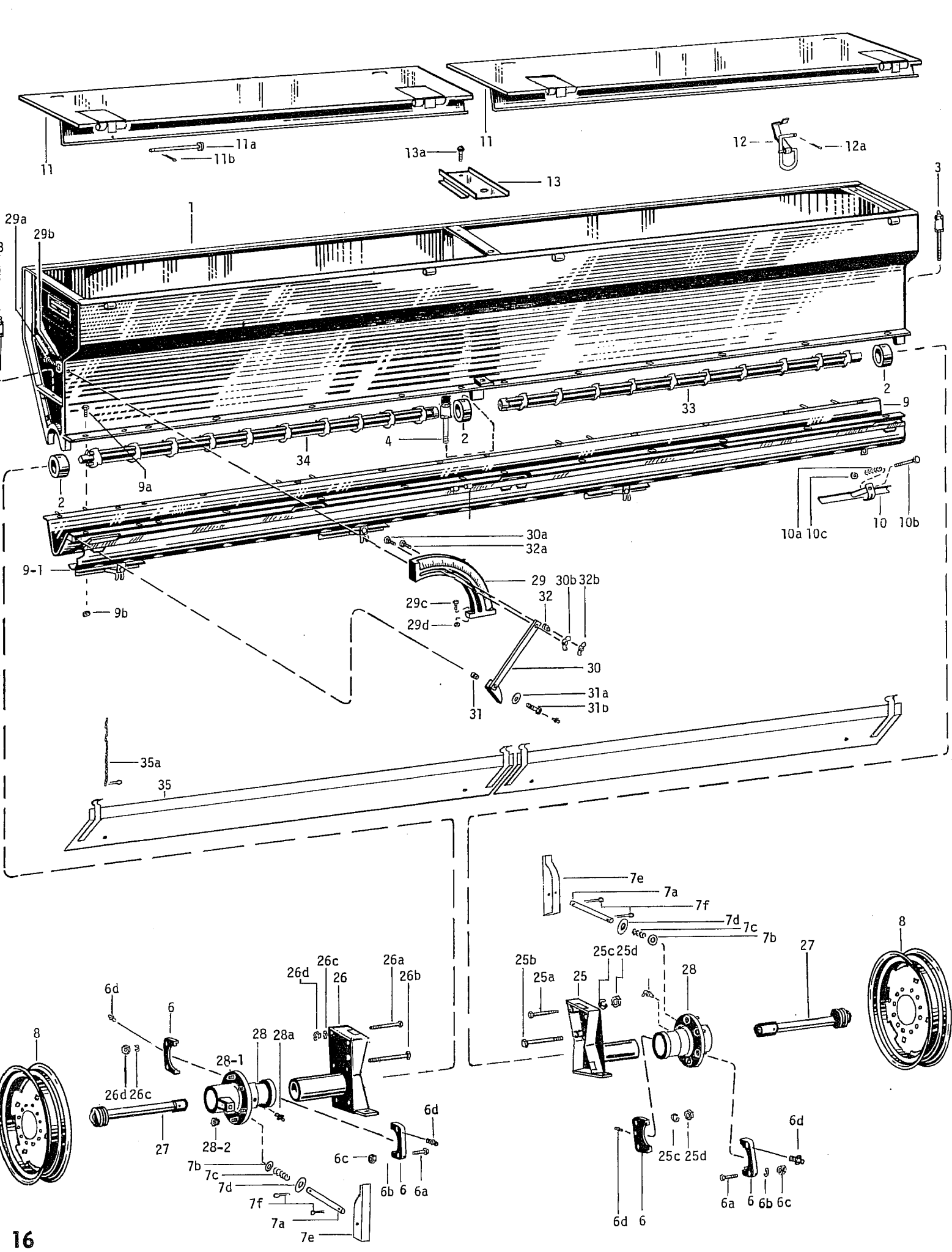
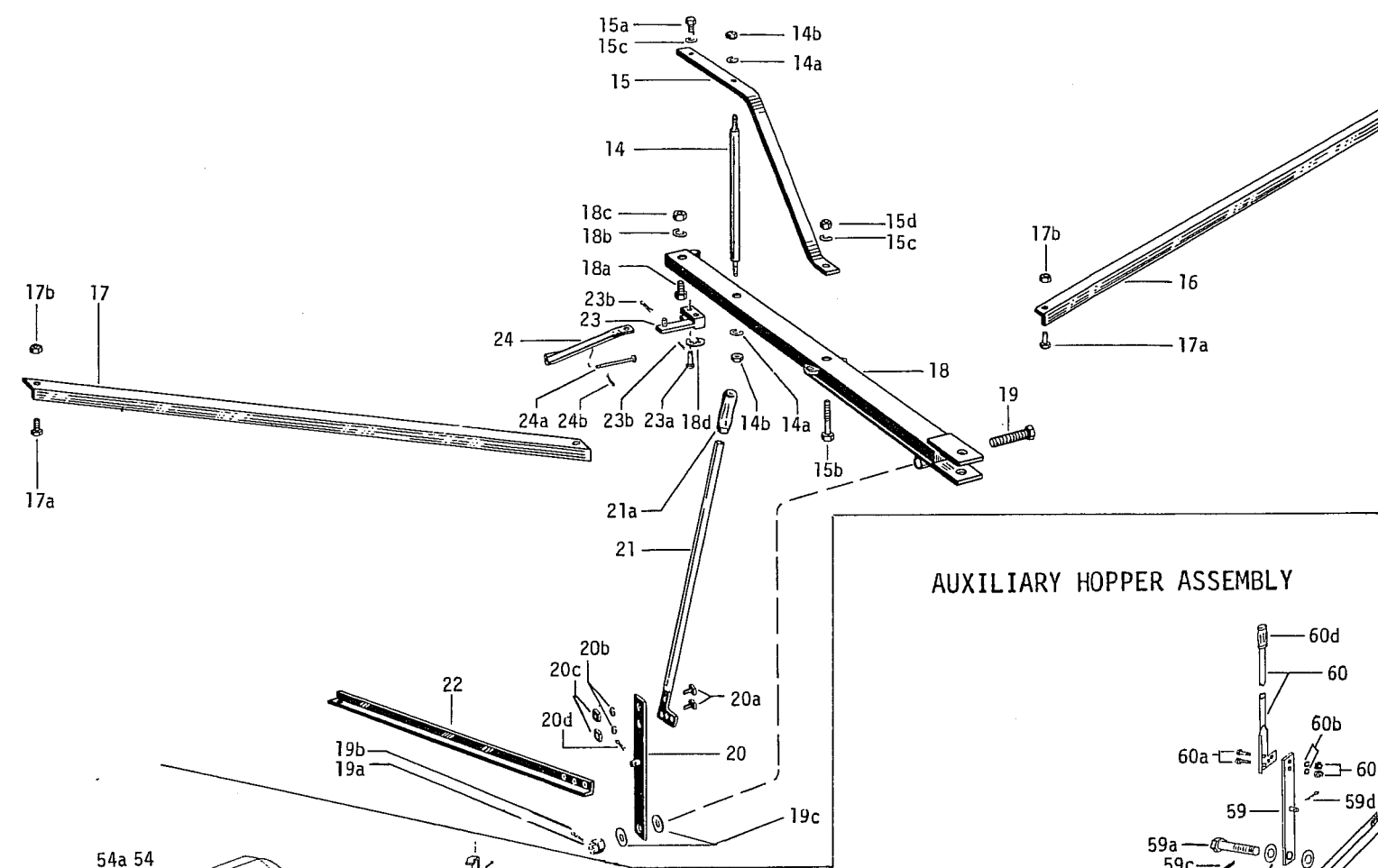
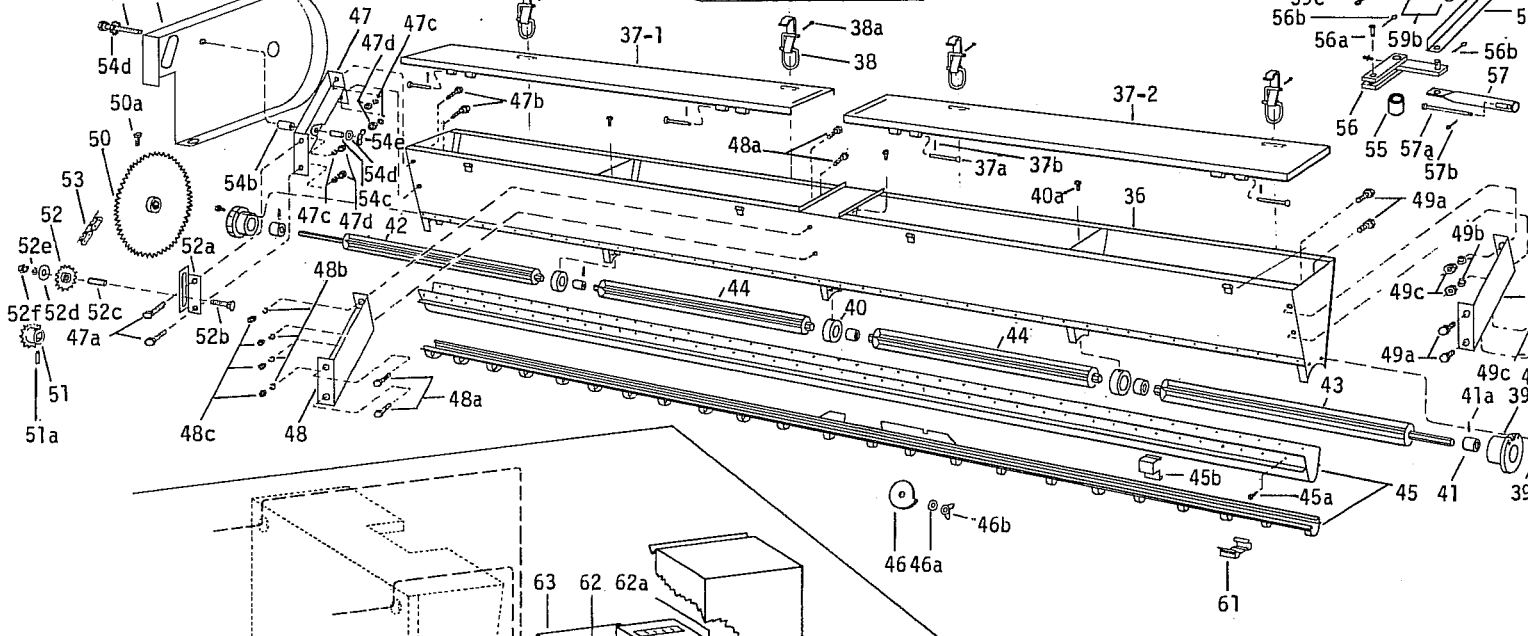


Fig. 45





AUXILIARY HOPPER ASSEMBLY



ACRE COUNTER ASSEMBLY

Ref. No.	Quant.	Part No.	Description
	1	1-06651	Hopper, less bottom and covers, 6 ft.
	1	1-08651	Hopper, less bottom and covers, 8 ft.
1	1	1-10651	Hopper, less bottom and covers, 10 ft.
	1	5-11651	Hopper, less bottom and covers, 11 ft.
	1	1-12651	Hopper, less bottom and covers, 12 ft.
2	3	1-0652	Bearing, end and center, all hoppers
2a	3	1-0657	Porous, oil-impregnated bushing for 1-0652 above. (Not shown.)
3	2	1-0653	Grease tube assembly, end bearings (consists of the following three parts)
	2	4303824	Hex nut (3/8 - 24)
	2	99018	1/8" standard black pipe coupling
	2	61205000	Grease fitting (20-5000)
4	1	1-0654	Grease tube assembly, center bearing (Consists of the following four parts)
	1	4303824	Hex nut (3/8 - 24)
	1	99018	1/8" standard black pipe coupling
	1	61205000	Grease fitting (20-5000)
	1		Lubri-cap (yellow - No. 2)
6	2	1-0655	Collar, wheel hub, pair
6a	4	3003813416	Hex screw (3/8 x 1-3/4 - 16) lower holes, collar to axle plate
6b	4	57038	Lock washer (3/8)
6c	4	4303816	Hex nut (3/8 - 16)
6d	4	61205010	Grease fitting (20-5010)
	1	1-0656	Clutch lever complete, wheel hub, (includes next six items)
7a	2	1-0656-3	Clutch pin
7b	2	1-0526-5	Washer, clutch spring
7c	2	1-0666-4	Spring, clutch
7d	2	1-0656-5	Clutch washer
7e	2	1-0656-4	Lever, clutch pin
7f	4	60018100	Cotter pin (1/8 x 1)
	2	1-06561-14	Wheel, disc - 14 x 5:00 (not shown)
8	2	1-06561-15	Wheel, disc - 15 x 5:00
	2	1-06561-16	Wheel, disc - 16 x 5:00 (not shown)
	2	1-06561-20	Wheel, disc - 20 x 5:00 (not shown)
	1	1-066511	Hopper bottom, agricultural, with rate control slide, 6 ft. (12 - 2" openings)
	1	1-086511	Hopper bottom, agricultural, with rate control slide, 8 ft. (16 - 2" openings)
9	1	1-106511	Hopper bottom, agricultural, with rate control slide, 10 ft. (20 - 2" openings)
	1	1-126511	Hopper bottom, agricultural, with rate control slide, 12 ft. (24 - 2" openings)
	1	5-066511	Hopper bottom, A-series, with rate control slide, 6 ft. (20 - 1-1/2" openings)
	1	5-086511	Hopper bottom, A-series, with rate control slide, 8 ft. (26 - 1-1/2" openings)
	1	5-106511	Hopper bottom, A-series, with rate control slide, 10 ft. (34 - 1-1/2" openings)
	1	5-116511	Hopper bottom, A-series, with rate control slide, 11 ft. (38 - 1-1/2" openings)
	14	3001403420	Hex screw (1/4 x 3/4 - 20) 6 ft.
	14	4301420	Hex nut (1/4 - 20)
	20	3001403420	Hex screw (1/4 x 3/4 - 20) 8 ft.
	20	4301420	Hex nut (1/4 - 20)
9a	24	3001403420	Hex screw (1/4 x 3/4 - 20) 10 ft.
9b	24	4301420	Hex nut (1/4 - 20)
	28	3001403420	Hex screw (1/4 x 3/4 - 20) 11 ft.
	28	4301420	Hex nut (1/4 - 20)
	28	3001403420	Hex screw (1/4 x 3/4 - 20) 12 ft.
	28	4301420	Hex nut (1/4 - 20)
	1	1-066512	Rate control slide only, 6 ft. (12 - 2" openings)
	1	1-086512	Rate control slide only, 8 ft. (16 - 2" openings)
9-1	1	1-106512	Rate control slide only, 10 ft. (20 - 2" openings)
	1	1-126512	Rate control slide only, 12 ft. (24 - 2" openings)
10	4	1-05215	Tension tee, rate control (3 only on 1006)
10a	4	1-05215-3	Spring, tension tee (3 only on 1006)
10b	4	3001421420	Hex screw (1/4 x 2-1/4 - 20) (3 only on 1006)
10c	4	4301420	Hex nut (1/4 - 20) (3 only on 1006)
	2	1-066517-1 & 2	Cover, left and right, 6 ft.
	2	1-086517-1 & 2	Cover, left and right, 8 ft.
11	2	1-106517-1 & 2	Cover, left and right, 10 ft.
	2	5-116517-1 & 2	Cover, left and right, 11 ft.
	2	1-126517-1 & 2	Cover, left and right, 12 ft.
11a	4	70014314	Clevis pin (1/4 x 2-5/8)
11b	4	60332034	Cotter pin (3/32 x 3/4)
12	4	14-06318	Lock cover
12a	4	60332034	Cotter pin, cover lock (3/32 x 3/4)
13	1	1-06519	Trough, rain
13a	1	71012012	Drive screw (No. 12 x 1/2)
14	1	1-05723	Upright, center brace
14a	2	57058	Lock washer (5/8)
14b	2	4305811	Hex nut (5/8 - 11)
15	1	1-06524	Brace, center, hopper to pole
15a	1	3005813411	Hex screw (5/8 x 1-3/4 - 11) center brace to hopper (use with one lock washer into welded-in-nut)
15b	1	3005831411	Hex screw (5/8 x 3-1/4 - 11) center brace to pole
15c	2	57058	Lock washer (5/8)
15d	1	4305811	Hex nut (5/8 - 11)
	1	1-066125-1	Brace, side pole, left, 6 ft.
	1	1-066125-2	Brace, side pole, right, 6 ft.
	1	1-085525-1	Brace, side pole, left, 8 ft.
	1	1-085525-2	Brace, side pole, right, 8 ft.
16	1	1-105525-1	Brace, side pole, left, 10 ft.
17	1	1-105525-2	Brace, side pole, right, 10 ft.
	1	5-116325-1	Brace, side pole, left, 11 ft.
	1	5-116325-2	Brace, side pole, right, 11 ft.
	1	1-125525-1	Brace, side pole, left, 12 ft.
	1	1-125525-2	Brace, side pole, right, 12 ft.
17a	4	3001211413	Hex screw (1/2 x 1-1/4 - 13) less nuts
17b	4	8201213	Lock nut (1/2 - 13)
18	1	1-06526	Pole, drawbar
18a	1	3005820011	Hex screw (5/8 x 2 - 11)
18b	1	57058	Lock washer (5/8)
18c	1	4305811	Hex nut (5/8 - 11)
18d	2	1000X100	Retaining ring, knee lever
19	1	3003450016	Bolt, lever pivot (3/4 x 5 - 16)
19a	1	4603416	Castellated nut (3/4 - 16)
19b	1	60316114	Cotter pin (3/16 x 1-1/4)
19c	2	58034	Wrought washer (3/4)
20	1	3-05229	Lever, shut-off, lower part
20a	2	3003811416	Hex screw (3/8 x 1-1/4 - 16)
20b	2	57038	Lock washer (3/8)
20c	2	4303816	Hex nut (3/8 - 16)
20d	1	60018100	Cotter pin (1/8 x 1)
21	1	3-05429-3	Lever, shut-off, upper part
21a	1	3-05429-4	Grip, rubber, upper lever
22	1	1-06531	Drag link, shut-off lever to knee lever
23	1	3-05234	Knee lever, drag link to connector link
23a	1	7001212764	Clevis pin (1/2 x 1-27/64)
23b	2	60018100	Cotter pin (1/8 x 1)

24.	1	1-05537	Connector link, knee lever to rate control slide
24a.	1	70516400	Clevis pin (5/16 x 4)
24b.	1	60018034	Cotter pin (1/8 x 3/4)
25.	1	1-06548	Axle, left
25a.	2	3103841216	Hex screw (3/8 x 4-1/2 - 16) heat treated
25b.	2	3103850016S	Hex screw Special (3/8 x 5 - 16) heat treated
25c.	4	57038	Lock washer (3/8)
25d.	4	4303816	Hex nut (3/8 - 16)
26.	1	1-06549	Axle, right
26a.	2	3103841216	Hex screw (3/8 x 4-1/2 - 16) heat treated
26b.	2	3103850016S	Hex screw Special (3/8 x 5 - 16) heat treated
26c.	4	57038	Lock washer (3/8)
26d.	4	4303816	Hex nut (3/8 - 16)
27.	2	1-06751	Stub drive assembly complete; consists of the following five component parts:
	2	1-06751-3	Shaft, stub drive (3/8)
	2	1-06551-4	Collar, clutch
	1	72316100	Spring pin (3/16 x 1)
	2	1-06751-5	Journal, rotor bar driving
	2	72316138	Spring pin (3/16 x 1-3/8)
28.	2	1-06360	Hub, wheel
28a.	2	61205300	Grease fitting (20-5300)
28-1.	6	9701211220	Bolts, wheel hub
28-2.	6	9701220	Nuts, wheel hub bolt
29.	1	3-05470	Quadrant, micrometer gauge
29a.	1	3003810016	Hex screw (3/8 x 1 - 16)
29b.	1	57038	Lock washer (3/8)
29c.	1	3001403420	Hex screw (1/4 x 3/4 - 20)
29d.	1	4301420	Hex nut (1/4 - 20)
30.	1	3-05471	Hand, micrometer gauge
30a.	1	50038114	Carriage bolt (3/8 x 1-1/4) cadmium plated
30b.	1	4703816	Wing nut (3/8 - 16) cadmium plated
31.	1	1-06172	Bushing, micrometer gauge hand
31a.	1	59038034062	Steel washer (3/8)
31b.	1	1-06172-3	Grease bolt with grease fitting (20-5010)
32.	1	3-05473	Block, gauge hand security (two used on A-series)
32a.	1	50038114	Carriage bolt (3/8 x 1-1/4) cadmium plated (two used on A-series)
32b.	1	4703816	Wing nut (3/8 - 16) cadmium plated
	1	57038	Lock washer (3/8) (used on second block only on A-series)
	1	4303816	Hex nut (3/8 - 16) (used on second block only on A-series)
	1	1-066598-1	Rotor bar, left for 1006, painted gold-tone. Use with 12-hole bottom.
	1	1-066598-2	Rotor bar, right for 1006, painted silver-tone. Use with 12-hole bottom.
	1	1-086598-1	Rotor bar, left for 1008, painted gold-tone. Use with 16-hole bottom.
	1	1-086598-2	Rotor bar, right for 1008, painted silver-tone. Use with 16-hole bottom.
33.	1	1-106598-1	Rotor bar, left for 1010, painted gold-tone. Use with 20-hole bottom.
34.	1	1-106598-2	Rotor bar, right for 1010, painted silver-tone. Use with 20-hole bottom.
	1	1-126598-1	Rotor bar, left for 1012, painted gold-tone. Use with 24-hole bottom.
	1	1-126598-2	Rotor bar, right for 1012, painted silver-tone. Use with 24-hole bottom.
	1	5-066598-1	Rotor bar, left for 1006A, painted gold-tone. Use with 20-hole bottom.
	1	5-066598-2	Rotor bar, right for 1006A, painted silver-tone. Use with 20-hole bottom.
	1	5-086598-1	Rotor bar, left for 1008A, painted gold-tone. Use with 26-hole bottom.
	1	5-086598-2	Rotor bar, right for 1008A, painted silver-tone. Use with 26-hole bottom.
	1	5-106598-1	Rotor bar, left for 1010A, painted gold-tone. Use with 34-hole bottom.
	1	5-106598-2	Rotor bar, right for 1010A, painted silver-tone. Use with 34-hole bottom.
	1	5-116598-1	Rotor bar, left for 1011A, painted gold-tone. Use with 38-hole bottom.
	1	5-116598-2	Rotor bar, right for 1011A, painted silver-tone. Use with 38-hole bottom.
	1 set	1-066394	Powder angles for 1006
	1 set	1-086394	Powder angles for 1008
	1 set	1-106394	Powder angles for 1010
	1 set	1-126394	Powder angles for 1012
	1 set	5-066394	Powder angles for 1006A
	1 set	5-086394	Powder angles for 1008A
	1 set	5-106394	Powder angles for 1010A
	1 set	5-116394	Powder angles for 1011A
	1	5-066421	Spreading plate (windguard) for 1006, 1006A (use two for 1012)
	2	5-086421	Spreading plate (windguard) for 1008, 1008A
35.	2	5-106421	Spreading plate (windguard) for 1010, 1010A
	2	5-116321	Spreading plate (windguard) for 1011A
35a.	4	635013	Hanger, spreading plate (No. 50 sash chain, 13-in) (use two with 1006, 1006A)
	1	6-35232	Calibration pan for 1006, 1006A
	1	1-085214	Calibration pan for 1008, 1008A
	1	1-105214	Calibration pan for 1010, 1010A
	1	5-116314	Calibration pan for 1011A
	1	1-125214	Calibration pan for 1012
	1	1-06190-1	Deflector, left. Used for side dressing or banding, one left and one right per row.
	1	1-06190-2	Deflector, right. Used for side dressing or banding, one left and one right per row.
	1	1-06113	Snap-on hole closures (order for number of holes to be closed off)
			AUXILIARY HOPPER FOR SPREADER
	1	4-08581	Hopper only, less covers and bottom, 8 ft.
	1	4-10581	Hopper only, less covers and bottom, 10 ft.
36.	1	4-12581	Hopper only, less covers and bottom, 12 ft.
	1	4-086317-1	Cover, left (8 ft.)
	1	4-106317-1	Cover, left (10 ft.)
37-1.	1	4-126317-1	Cover, left (12 ft.)
	1	4-086317-2	Cover, right (8 ft.)
	1	4-106317-2	Cover, right (10 ft.)
37-2.	1	4-126317-2	Cover, right (12 ft.)
37a.	4	70014258	Clevis pin (1/4 x 2-5/8)
37b.	4	60332034	Cotter pin (3/32 x 3/4)
38.	4	14-06318	Cover lock
39a.	4	60332034	Cotter pin (3/32 x 3/4)
39.	2	14-0612	Bearing, end
39a.	4	24516100	Hex sheet metal screw, self-tapping (5/16 x 1)
40.	3	14-0664	Bearing, center for all and intermediate for 10 and 12 ft. (only one for 8 ft.)
40a.	3	3003801216	Hex screw (3/8 x 1/2 - 16) (Only one for 8 ft.)
41.	5	14-0615	Journal, rotor (only three needed for 8 ft.)
41a.	5	72316100	Spring pin (3/16 x 1) (only three needed for 8 ft.)
	1	14-086122-1	Rotor, left (8 ft.)
	1	14-106122-1	Rotor, left (10 ft.)
42.	1	14-126122-1	Rotor, left (12 ft.)
	1	14-086122-2	Rotor, right (8 ft.)
	1	14-106122-2	Rotor, right (10 ft.)
43.	1	14-126122-2	Rotor, right (12 ft.)
	2	14-106123	Rotor, driven (10 ft.)
44.	2	14-126123	Rotor, driven (12 ft.)
	1	4-086511	Bottom, hopper, with rate control slide, 8 ft. 16 - 1" openings
	64	761032516-5P	Phillips truss head thread cutting machine screw (10/32 x 5/16)
	1	4-106511	Bottom, hopper, with rate control slide, 10 ft. 20 - 1" openings
	80	761032516-5P	Phillips truss head thread cutting machine screw (10/32 x 5/16)
45.	1	4-126511	Bottom, hopper, with rate control slide, 12 ft. 24 - 1" openings
45a.	96	761032516-5P	Phillips truss head thread cutting machine screw (10/32 x 5/16)
45b.		14-05815	Tension clip (8 for 8 ft., 10 for 10 ft., 12 for 12 ft.)

46	1	9-06375	Cam gauge
46a	1	59516	SAE washer (5/16)
46b	1	4751618	Wing nut (5/16 - 18)
47	1	4-0656-1	Mounting bracket, left
47a	2	3003811416	Hex screw (3/8 x 1-1/4 - 16)
47b	2	3003810016	Hex screw (3/8 x 1 - 16)
47c	4	57038	Lock washer (3/8)
47d	4	4303816	Hex nut (3/8 - 16)
48	1	4-0657	Mounting bracket, center
48a	4	3003810016	Hex screw (3/8 x 1 - 16)
48b	4	57038	Lock washer (3/8)
48c	4	4303816	Hex nut (3/8 - 16)
49	1	4-0656-2	Mounting bracket, right
49a	4	3003810016	Hex screw (3/8 x 1 - 16)
49b	4	57038	Lock washer (3/8)
49c	4	4303816	Hex nut (3/8 - 16)
50	1	4-06545	Sprocket, driven, 60T
50a	1	5151603418	Square head set screw (5/16 x 3/4 - 18)
51	1	4-06541	Sprocket, driving 15T, stub drive mounting
51a	1	72316100	Spring pin (3/16 x 1)
52	1	4-06542	Sprocket, idler, 15T
52a	1	4-06544	Bracket, idler sprocket chain tightener
52b	1	50038214	Carriage bolt (3/8 x 2-1/4)
52c	1	4-06543	Bushing, idler sprocket
52d	1	58038	Wrought washer (3/8)
52e	1	57038	Lock washer (3/8)
52f	1	4303816	Hex nut (3/8 - 16)
53	1	65064197	Roller chain, 97 link
	1	65004191	Connector link, roller chain
54	1	4-06546	Chain guard
54a	1	3003833416	Hex screw (3/8 x 3-3/4 - 16)
54b	1	4-06547	Spacer tube, chain guard to mounting bracket (3/4 OD x 1-5/8)
54c	1	4-06548	Spacer tube, mounting bracket to wing nut (9/16 OD x 1-1/4)
54d	2	58038	Wrought washer (3/8)
54e	1	4703816	Wing nut (3/8 - 16)
55	1	4-06525	Spacer bushing, knee lever
56	1	4-06526	Knee lever (with grease fitting in place)
56a	1	7001212764	Clevis pin (1/2 x 1-27/64)
56b	2	60018100	Cotter pin (1/8 x 1)
57	1	4-06527	Connector link, knee lever to rate-control slide
57a	1	700516400	Clevis pin (5/16 x 4) (in place in rate-control slide)
57b	1	6018034	Cotter pin (1/8 x 3/4) (in place in above clevis pin)
58	1	4-06528	Drag link
59	1	3-05229	Lever, lower
59a	1	4-05531	Bolt, lever pivot (3/4 x 5-1/2 - 16)
59b	2	58038	Wrought washer (3/4)
59c	1	60316114	Cotter pin (3/16 x 1-1/4)
59d	1	6018100	Cotter pin (1/8 x 1)
	1	1-0526-5	Washer (used on Model 1020 only)
	1	7232100	Spring pin (5/32 x 1) (used on Model 1020 only)
60	1	3-05429-3	Lever, upper
60a	2	3003811416	Hex screw (3/8 x 1-1/4 - 16)
60b	2	57038	Lock washer (3/8)
60c	2	4303816	Hex nut (3/8 - 16)
60d	1	3-05429-4	Rubber grip (1 x 5)
			OPTIONAL EQUIPMENT
	2	4-066470	Resilient rotor, 5 blade (6 ft.)
	2	4-086470	Resilient rotor, 5 blade (8 ft.)
	2	4-106470-3	Resilient rotor, 5 blade (10 ft.) left and right ends
	2	4-106470-4	Resilient rotor, 5 blade (10 ft.) left and right centers
	2	4-126470-3	Resilient rotor, 5 blade (12 ft.) left and right ends
	2	4-126470-4	Resilient rotor, 5 blade (12 ft.) left and right centers
			EXTRA EQUIPMENT
61	1	14-05813	Hole closures, snap-on (used when it is desired to close off certain holes in hopper bottom)
	1	24-086661	Plate, spout mounted (8 ft.)
	1	24-106661	Plate, spout mounted (10 ft.)
	1	24-126661	Plate, spout mounted (12 ft.)
	2	24-076661	Plate, spout mounted (14 ft.)
		24-06224	Drop tube (use 16 on 8 ft., 20 on 10 ft., 24 on 12 ft., and 28 on 14 ft.)
		9-06137	Spring clip (use 16 on 8 ft., 20 on 10 ft., 24 on 12 ft., and 28 on 14 ft.)
		24-06663	Clip and drop tube plate holders (use 4 on 8 ft., 5 on 10 ft. and 12 ft., and 6 on 14 ft.)
		1-06780	ACRE COUNTER KIT, FOR SPREADER, COMPLETE
62	1	1-06580-3	Counter (C112245)
62a	1	1-06580-3A	Arm, counter shaft, with clamping screw
	4	1-06580-3B	Screws, counter base
63	1	1-06580-4	Counter mount with cover
64	1	1-06580-5	Spring linkage assembly to counter shaft arm
64a	1	57038	Lock washer (3/8)
64b	1	4303816	Hex nut (3/8 - 16)
65	1	1-06780-6	Journal, rotor bar driving, with counter-actuating cam
65a	2	72316138	Spring pin (3/16 x 1-3/8)

The Gandy Company warrants all material and workmanship on equipment delivered to you to be free of defects for a period of twelve months from date of its first use under normal farm use. Any part or parts thought to be defective within this warranty period are to be returned to the Gandy Company's plant, collect. If found defective by Gandy Company, replacement parts will be forwarded free of charge, prepaid. No service charge or expense on the equipment will be allowed unless such expense has been previously authorized in writing by the Gandy Company. (Serial number of the unit involved is required by the Gandy Company on all Warranty claims.) Gandy Company policy is to improve products whenever it is practical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to make such changes on products sold previously.



PLEASE PROTECT YOURSELF AND OTHERS!



As with electricity, automobiles, or guns, there is always potential danger with powerful chemicals if proper care is not taken in their handling and use. The same is true with even the simplest machines.

"Haste makes waste" is so true when you're working with machines. Never be lulled into false security by lack of a power-take-off. Even a small scratch or cut can develop into a serious complication.

And be especially careful with chemicals. *Your* safety is at stake, plus the welfare of those who depend upon you. In addition, the safety of all who may use your crop depends upon *your* applying chemicals as *recommended*. So follow chemical manufacturer's labels *closely!*