

*Important!*

*Do Not Destroy!*

*Please Read!*

# *Herd*

**12-180 BAND SPREADING KIT  
FOR HERD MODELS 1200C,  
1200B (After Serial No. 1222), AND  
750**

*Instructions for  
Assembly, Mounting,  
and Operating.*



*Repair  
Parts List*



**HERD SEEDER COMPANY, INC.**

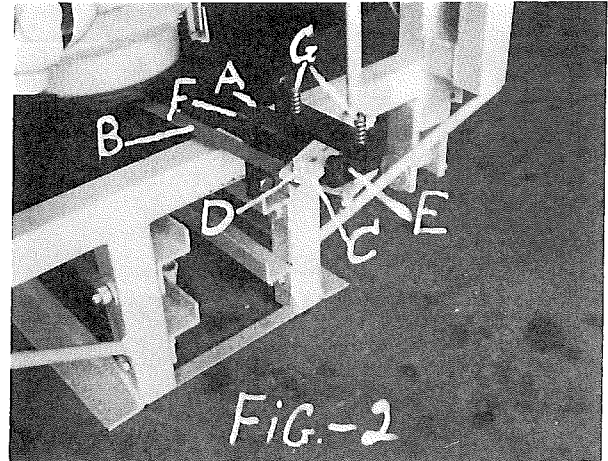
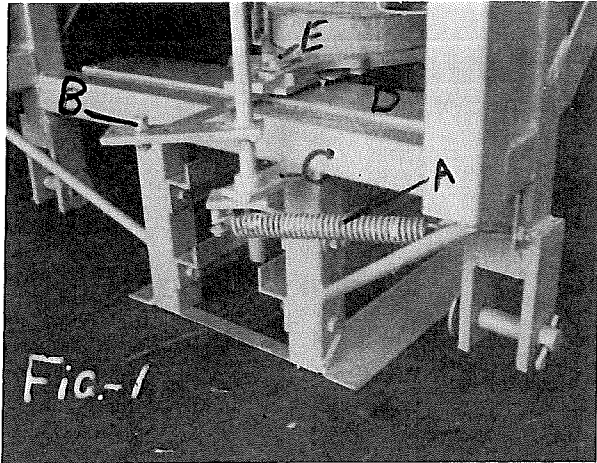
P.O. BOX 448  
3600 EAST ON U.S. 35 S.E.  
LOGANSPOBT, INDIANA 46947



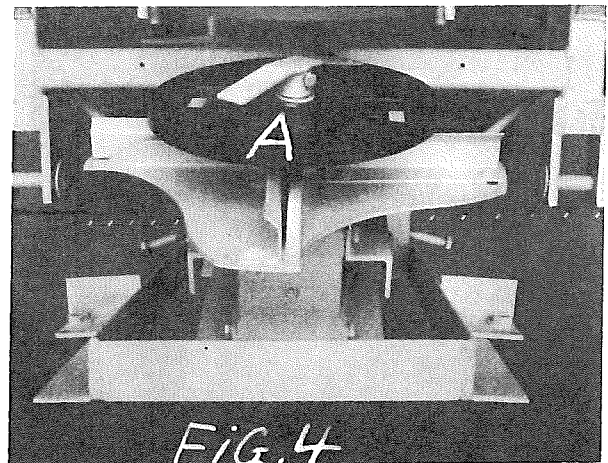
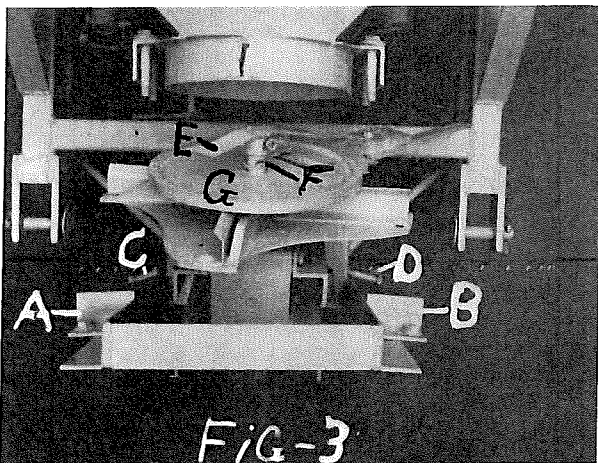
# INSTRUCTIONS FOR INSTALLING No. 12-180 BAND SPREADING KIT ON HERD BROADCASTERS

## PREPARING BROADCASTER AND INSTALLATION INSTRUCTIONS:

1. Install tumbling shaft on shaft of gearcase of broadcaster and secure with spring pin, furnished. For extra precaution, a wire may be run through the spring pin and be secured.

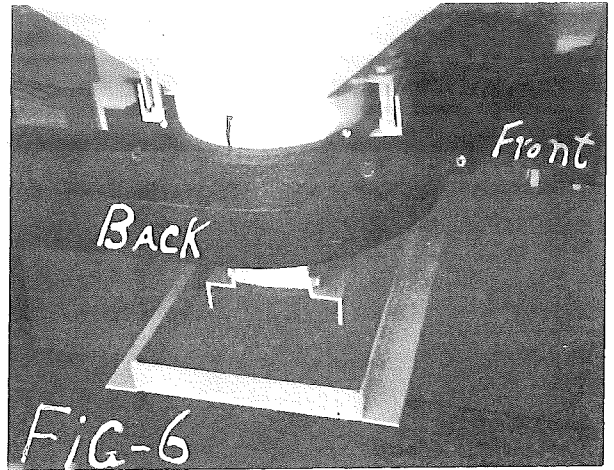
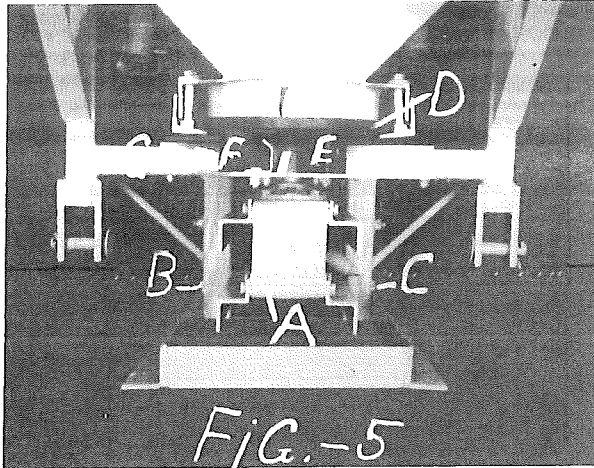


2. See Fig. 1: Remove spring (A) and then remove 5/16" bolt (B) that fastens control handle to opening linkage. Remove deflector (D) by removing the two sheet metal screws that fasten the deflector plate to broadcaster.
3. See Fig. 2: Install opening control bracket (A). Do not bolt opening linkage to opening control handle until banding plate has been installed. (See instruction No. 10 below).
4. Mount the broadcaster on tractor by following mounting instructions in the Instruction and Parts Manual that was shipped with the broadcaster. For easy installation and assembly of the banding base plate, raise the broadcaster as high as possible with the tractor 3-pt.

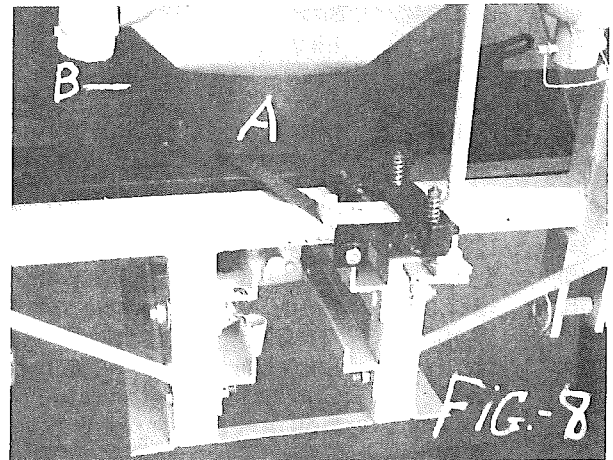
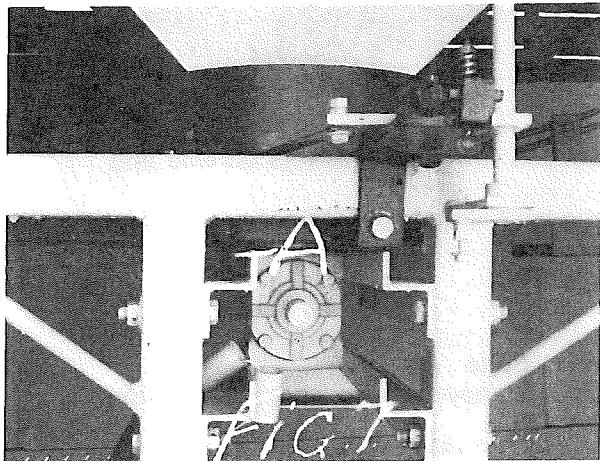


5. See Fig. 3: Remove the two "L"-plates (A&B) that secure base plate to bottom of hopper. Loosen two upper 3" bolts that run through "Z"-angles and then remove the two lower 3" bolts (C&D). Rock down the gearcase, base plate and fan. Remove agitator (E), 1" washer (F) and base plate (G).
6. See Fig. 4: Place Banding Kit base plate with dual-openings (A) on gearcase shaft, with working parts next to fan. Replace 1" washer and agitator. (Note: if Banding Kit is to be used for spreading insecticides or herbicides and you wish to spread to one side only, one side may be blocked at this time. Also, agitator should **NOT** be used for spreading insecticides or herbicides.)



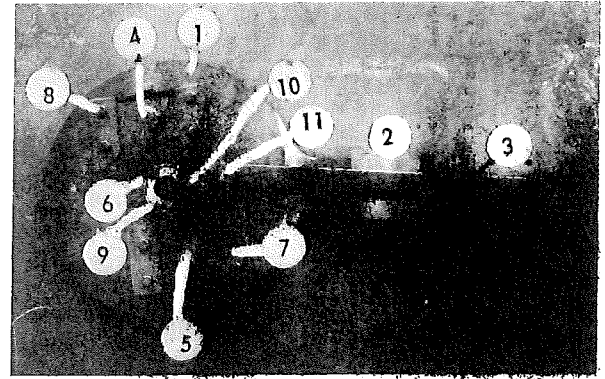
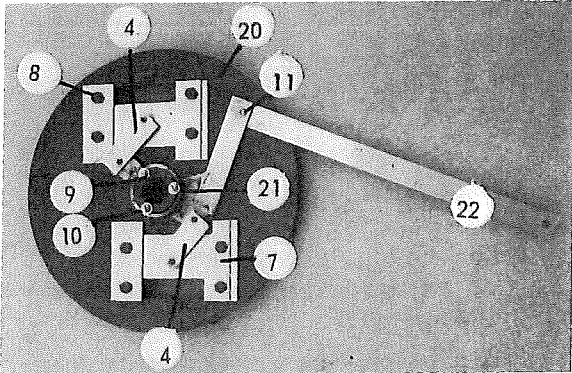
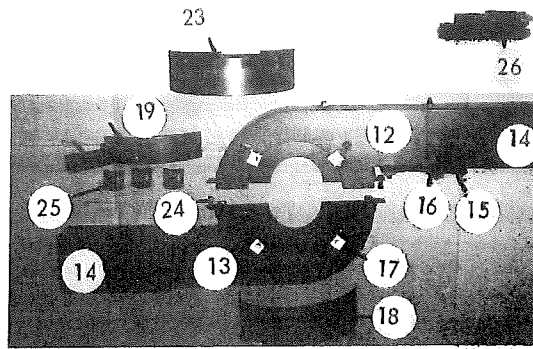


7. See Fig. 5: Rock up gearcase , baseplate and fan and replace two 3" bolts through "Z"-angles (B&C) and 2" square tubing. Bolt base plate (D) to bottom of hopper, making sure dual-openings are on each side and are in a straight line with "L" plates. Place three angle spacers (E,F&G) (wired to chute of Banding Kit), to assure proper distance between fan and base plate. Tighten the four 3" bolts holding "Z"-angles (B&C) to broadcaster frame. Remove angle spacers and save for future use.
8. See Fig. 2 again: Bolt linkage (B) and handle (C) together, using 5/16" bolt (D). Pull on handle until dual-openings in base plate are completely closed. Slide bracket (A) until "Stop"-bolt (E) strikes handle linkage firmly. This "Stop" should be used to stop movement of opening plate. Setscrew (F) may be run forward to stop movement of handle for proper opening desired. Tighten two springs (G) so that handle will not work unless moved by operator. Do not overtighten. **WARNING:** Always use "Stop"-bolts to stop movement for both opening and closing or breakage of center ring will result.
9. Remove 5/16" "Jack"-bolt found on side of front half of chute and rethread from opposite direction. Also, remove two "L"-angle clamps and upper guard from chute.
10. See Fig. 6: Place front half of housing over fan. Then place back half of housing, bolting front and back housings together. Clamp complete housing to base plate with four clamps, making sure that chutes are set at right angles to broadcaster.
11. Check to see if fan rotates freely and does not strike at any place. If it does strike, see instruction No.12 as to how to correct this situation, for it is imperative that the fan rotates freely.



12. See Fig. 7: Run 5/16" "Jack"-bolt (A) down until it sets firmly against "Z"-angle. This bolt may be run down to relieve fan striking rear of housing. Tighten jam-nut on "Jack"-bolt.
13. See Fig. 8: Install front half of upper guard (A) and then install back half of upper guard (B).
14. The machine is now ready for band spreading.





## PARTS FOR NO. 12-180 BANDING KIT SHOWN ABOVE:

| NO. | PART NO. | NAME AND DESCRIPTION   | NUMBER REQUIRED |
|-----|----------|--|-----------------|
| 1.  | 12-171   | "Panhandled" Band Spreading Base Plate with Control Plate settings attached (For first 12-180 Kit)               | 1               |
| 2.  | 12-146   | Seed Opening Gauge, complete with Bolt   | 1               |
| 3.  | 12-175   | Long Linkage with slot (Stainless Steel) - For use with 12-171 Base Plate  | 1               |
| 4.  | 12-176   | Opening Plate with short linkage (Stainless Steel) - For use with 12-171A Base Plate                             | 2               |
|     | 12-176   | Opening Plate with short linkage (Stainless Steel) - For use with 12-171 Base Plate                              | 1               |
| 5.  | 12-177   | Opening Plate with long linkage (Stainless Steel) - For use with 12-171 Base                                     | 1               |
| 6.  | 12-178   | Center Pivot with welded Ears (Stainless Steel) - For use with 12-171 Base                                       | 1               |
| 7.  | 12-179   | Seed Plate Guides (Stainless Steel)  | 6               |
|     | 12-179A  | Seed Plate Guides w/Angle End (Stainless Steel)  | 2               |
| 8.  | 12-181   | 1/4 x 1/2" Capscrew (Stainless Steel)  | 8               |
| 9.  | 12-182   | 10-24 x 3/8" Machine Screw (Stainless Steel)   | 3               |
| 10. | 12-183   | 3/16" Flat Washers (Stainless Steel)   | 3               |
| 11. | 12-184   | 3/16 x 3/8" Flat Head Rivets (Stainless Steel)   | 5               |
| 12. | 12-185   | Front Half of Fan Shield for side deflection w/welded brackets on side and with "Jack"-bolt welded on front edge | 1               |
| 13. | 12-186   | Back Half of Fan Shield for side deflection w/welded Brackets  | 1               |
| 14. | 12-187   | Side Chutes  | 2               |
| 15. | 12-188   | Chute Adjusters with welded Clips  | 2               |
| 16. | 12-189   | Chute Adjuster with 1-1/4" Bolts   | 2               |
| 17. | 12-190   | "L" Clamps with 3/8 x 1" Bolts   | 4               |
| 18. | 12-192   | Back Upper Guard with two 5/16 x 1/2" H.H. Bolts   | 1               |
| 19. | 12-194   | Curved Plate with Spring No. 913 for blocking opening - For spreading on one side only (left or right)           | 1               |
| 20. | 12-171A  | Round Band Spreading Base Plate (For latest 12-180 Banding Kit)  | 1               |
| 21. | 12-195   | Center Pivot with welded Ears & Lever - For use with 12-171A Round Base  | 1               |
| 22. | 12-196   | Long Linkage with 5/16 x 3/16" holes - For use with 12-171A Round Base   | 1               |
| 23. | 12-197   | Front Upper Guard, used with Round Base 12-171A  | 1               |
| 24. | 12-198   | 3/8 x 1" Bolt & Nut  | 2               |
| 25. | 12-199   | Angle Spacers  | 3               |





|     |        |  |   |
|-----|--------|--|---|
| 26. | 12-200 | Control Bracket, complete . . . . .  | 1 |
|     | 12-201 | 1/2 x 3" Bolt & Nut, used on Bracket No. 12-200 . . . . .                        | 1 |
|     | 12-202 | 1/2 x 3" Sq. Hd. Setscrew, used as "Stop" on Control Bracket No. 12-200. . . . . | 1 |
|     | 12-203 | 1/2 x 1" Hexhead Capscrew w/Nut, used on Control Bracket No. 12-200 . . . . .    | 1 |
|     | 12-204 | Compression Spring, used on Control Bracket . . . . .                            | 2 |
|     | 12-205 | 1/4 x 3" Bolt w/Nut, used in Compression Spring . . . . .                        | 2 |

**PARTS USED BUT NOT SHOWN IN PHOTO**

|        |   |   |
|--------|---|---|
| 12-191 | Front Upper Guard w/two 5/16 x 1/2" Hexhead Bolts, used with 12-171 Base Plate . .  | 1 |
| 12-218 | Round Base Plate with all working parts assembled as one unit - For last 12-180 Banding Kit. Includes: one each 12-171A, 12-196, 12-195; two each 12-176; three each 12-182, 12-183; five each 12-184; eight each 12-179, 12-181 . . . . .  | 1 |
| 12-220 | Agitator for 12-180 Banding Kit . . . . .   | 1 |
| 12-221 | "Pan-handled" Base Plate with Dual-Openings and with all working parts assembled as one unit. For first 12-180 Banding Kits. Includes: one each 12-171, 12-176, 12-178, 12-175, 12-146; two each 12-183; three each 12-182; four each 12-184; eight each 12-181, 12-179 . . . . . | 1 |
| 12-233 | Complete Blocking Plate Kit to be used when very small quantities are to be spread, as Rymick Brown mouse pellets - consisting of two each 12-85 1/4 x 1" Hexhead Capscrew w/Nut & Washer and 12-234 Blocking Plate. . . . .  | 1 |
| 12-234 | Blocking Plate only for 12-233 Kit . . . . .  | 2 |

**DESIGNS SUBJECT TO CHANGE WITHOUT NOTICE**

**TO SPREAD ON ONE SIDE ONLY, the other side may be blocked as follows:**

- Slide curved blocking plate with spring attached, (Part No. 12-194) (shipped with 12-180 Kit) into chute on side that you desire to block. Slide until the welded notch catches front edge of chute and curved plate is on inside of fan housing.
- Pull spring out and hook on outer edge of deflector chute. This will hold deflector plate in place so that it will not strike fan. Make sure that fan rotates freely. If it strikes, correct.
- This may be used on either left or right hand side.
- Remember .... when you have blocked one side, you will get twice the amount of fertilizer or material out of the remaining side, that you do in normal usage with both openings.

**TO OPERATE BROADCASTER with 12-180 Kit:**

- The chutes may be raised or lowered to throw the material the widths desired.
- Following is a chart, to be used as your guide, which gives the amounts spread from different size openings and at different speeds:

**AMOUNT OF FERTILIZER SPREAD FROM BOTH SIDE ON 80 ROD ROWS**

| M.P.H. | 1/2" Opening | 1" Opening | 1-1/2" Opening |
|--------|--------------|------------|----------------|
| 5      | 240 lbs.     | 480 lbs.   | 720 lbs.       |
| 6      | 202 lbs.     | 404 lbs.   | 606 lbs.       |
| 7      | 173 lbs.     | 346 lbs.   | 519 lbs.       |
| 8      | 150 lbs.     | 300 lbs.   | 450 lbs.       |
| 9      | 133 lbs.     | 266 lbs.   | 399 lbs.       |
| 10     | 120 lbs.     | 240 lbs.   | 360 lbs.       |
| 11     | 109 lbs.     | 218 lbs.   | 327 lbs.       |
| 12     | 100 lbs.     | 200 lbs.   | 300 lbs.       |
| 13     | 92 lbs.      | 184 lbs.   | 276 lbs.       |
| 14     | 85 lbs.      | 170 lbs.   | 255 lbs.       |
| 15     | 79 lbs.      | 158 lbs.   | 237 lbs.       |
| 16     | 72 lbs.      | 144 lbs.   | 216 lbs.       |
| 17     | 68 lbs.      | 136 lbs.   | 204 lbs.       |
| 18     | 65 lbs.      | 130 lbs.   | 195 lbs.       |

1 lb. = 0.4536 Kilograms  
1 Rod = 5.0292 Meters  
5 M.P.H. = 8 K.P.H.



**CHART FOR SPREADING HERBICIDES AND INSECTICIDES WITH ATTA-CLAY CARRIER  
FOR HERD MODEL 12-180 BANDING KIT**

|  | 4 MPH      | 5 MPH   | 6 MPH      | 8 MPH      | 10 MPH     |
|--|------------|---------|------------|------------|------------|
| Minutes of time required to travel 1 Mile  | 15 min.    | 12 min. | 10 min.    | 7-1/2 min. | 6 min.     |
| Minutes of time required to travel 80 Rod  | 3-3/4 min. | 3 min.  | 2-1/2 min. | 1-7/8 min. | 1-1/2 min. |
| Size opening to spread 100 lbs. per acre - 24" wide (6 lb., 1 oz. per 80 Rd.) (Each side)    | 13/64      | 1/4     | 19/64      | 13/32      | 1/2        |
| Size opening to spread 150 lbs. per acre - 24" wide (9 lb., 2 oz. per 80 Rd.) (Each side)    | 19/64      | 3/8     | 29/64      | 19/32      | 3/4        |
| Size opening to spread 200 lbs. per acre - 24" wide (12 lb., 2 oz. per 80 Rd.) (Each side)   | 13/32      | 1/2     | 19/32      | 13/16      | 1"         |
| Size opening to spread 100 lbs. per acre - 36" wide (9 lb., 1 oz. per 80 Rd.) (Each side)    | 19/64      | 3/8     | 29/64      | 19/32      | 3/4        |
| Size opening to spread 150 lbs. per acre - 36" wide (13 lb., 11 oz. per 80 Rd.) (Each side)  | 29/64      | 9/16    | 11/16      | 28/32      | 1-1/8      |
| Size opening to spread 200 lbs. per acre - 36" wide (18 lb., 3 oz. per 80 Rd.) (Each side)   | 19/32      | 3/4     | 29/32      | 1-3/16     | 1-1/2      |
| Size opening to spread 100 lbs. per acre - 6 ft. wide (18 lb., 3 oz. per 80 Rd.) (Each side) | 19/32      | 3/4     | 29/32      | 1-3/16     | 1-1/2      |
| Size opening to spread 150 lbs. per acre - 6 ft. wide (27 lb., 6 oz. per 80 Rd.) (Each side) | 29/32      | 1-1/8   | 1-3/8      |            |            |
| Size opening to spread 200 lbs. per acre - 6 ft. wide (36 lb., 6 oz. per 80 Rd.) (Each side) | 1-3/16     | 1-1/2   |            |            |            |

**CAUTION: READ LABELS CAREFULLY AND FOLLOW INSTRUCTIONS FOR SPREADING MATERIAL. DON'T TAKE CHANCES! BE SAFE! MATERIAL MUST BE CLEAN WITH NO LUMPS FOR ACCURATE SPREADING. DO NOT USE AGITATOR WHEN SPREADING INSECTICIDES OR HERBICIDES, AS AGITATOR WILL GRIND UP MATERIAL, MAKING DUST AND FORMING RING OF MATERIAL OVER OPENING.**

**HERD SEEDER COMPANY, INC.  
P.O. BOX 448  
LOGANSPOUT, INDIANA 46947**

FORM 12-180 11-86  
HE017

