

SETTING UP AND OPERATING INSTRUCTIONS AND PARTS LIST FOR DAVID BRADLEY GARDEN TRACTOR CULTIVATOR

—MODEL NUMBER 917. 575110—

The above number is the Model Number of your David Bradley Garden Tractor Cultivator. It will be found on a plate attached to the Beam Spreader Adjusting Bar. Always mention the Model Number of your Cultivator when communicating with us or when ordering repair parts.

—HOW TO ORDER REPAIR PARTS—

All parts listed herein may be ordered through Sears, Roebuck and Co. or Simpsons-Sears Limited. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER.
2. The PART NAME.
3. The MODEL NUMBER.
4. The NAME of Implement.

This list is valuable. It will assure your being able to obtain proper parts service at all times. We suggest you keep it with other valuable papers.

**SEARS, ROEBUCK AND CO. U.S.A.
SIMPSONS-SEARS LIMITED CANADA**

SETTING UP INSTRUCTIONS

Setting-Up and Operating Instructions should be studied very closely before beginning to assemble your Cultivator. A number at the beginning of a paragraph in the following instructions refers to an arrow in the adjoining figure except when otherwise stated. When R. H. (Right Hand) and L. H. (Left Hand) are used, it should be understood to mean from a position behind and facing the Cultivator (or direction of travel).

Each Cultivator is given a thorough inspection before shipment, however, it is very important that it be checked at the time of receipt, to ascertain if any damage has occurred in transit. Your shipment consists of the following packages, depending upon how cultivator was ordered:

STANDARD EQUIPMENT

- 1 Bundle 575X208 Straddle Row Cultivator with Sweeps
- or
- 1 Bundle 575X214 Straddle Row Cultivator with Shovels

OPTIONAL EQUIPMENT

- 1 Bundle 575X211 Between-Row Cultivator Attachment with Sweep
- 1 Bundle 575X215 Between Row Cultivator Attachment with Shovel

SPECIAL EQUIPMENT

- 1 Bundle 575X80 Double Point Shovel - 8" with Bolts.
- 1 Bundle 575X210 Pair of Hiller with Shanks
- 1 Bundle 575X209 Pair of Weeding Hoes with Shanks
- 1 Bundle 575X212 Pair of Cultivator Beam Extensions with Sweeps
- 1 Bundle 575X213 Pair of Cultivator Beam Extensions with Shovels
- 1 Bundle 575X224 Sweep - 6" with Bolts
- 1 Bundle 575X225 Pair 6" Half Sweeps with Bolts.

Sears, Roebuck and Co., or Simpsons-Sears Limited reserves the right to make any changes in design and changes or improvements on its implements without imposing any obligations to install the same upon its implements heretofore manufactured.

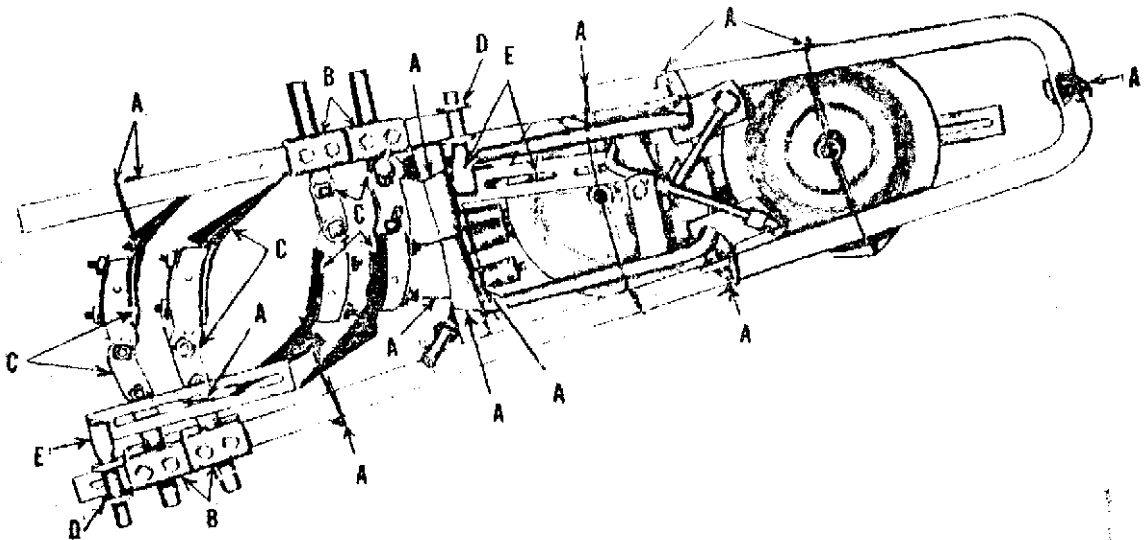


FIGURE A

INSTRUCTIONS FOR ASSEMBLING STRADDLE ROW CULTIVATOR

1. Cut and remove all bundling wires (A).
2. Loosen shank clamps (B) and remove shovels with shanks (C).
3. Loosen single screw shank clamps (D) and remove R. H. and L. H. beam spreader and shank (E).
4. Remove spring retainer (F), refer to figure B, from Instruction Book envelope.

SETTING UP INSTRUCTIONS—Continued

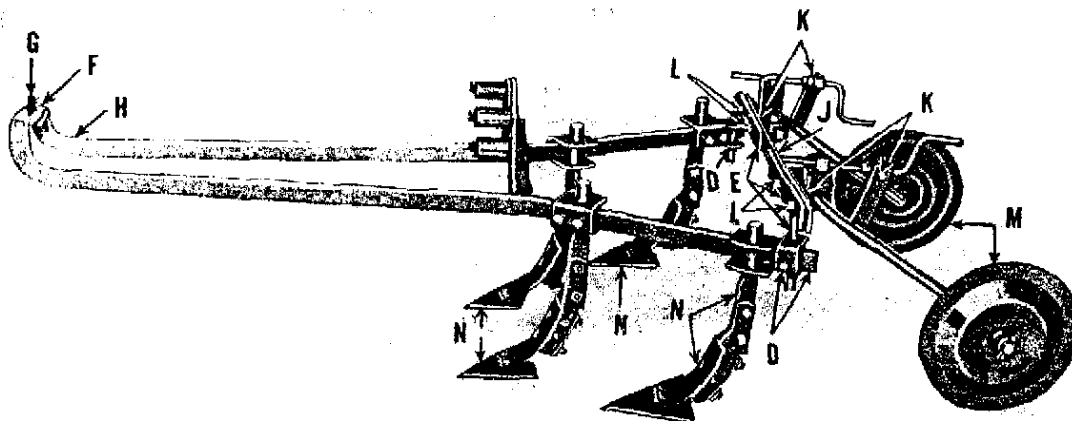


FIGURE B

5. Set drilled rivet (G), welded to forward end (or R. H.) beam (H), in drilled hole in L. H. beam. Temporarily insert spring retainer (F).
6. Assemble R. H. and L. H. beam spreader and shank (E), beam spreader adjusting bar (J), axle and control crank assemblies, R. H. and L. H. (K) as shown. Bolts, nuts and washers (L) were shipped in place.
7. Attach the above assembly (paragraph 6) to R. H. and L. H. beams with single set screw shank clamps (D), as shown. Tighten set screws.
8. Slide gauge wheels (M) on axles (grease fittings on gauge wheels to outside). Next, assemble flat washers and secure with cotter pins.
9. Assemble sweeps or shovels and shanks (N), as shown in Figure B. Refer to Operating Instructions on page 4, for final adjustments.

INSTRUCTIONS FOR ASSEMBLING THE BETWEEN ROW CULTIVATOR ATTACHMENT

1. Adjust the R. H. and L. H. beams (H. and P), so that there is 1-1/4 inches between the rear ends of the beams and the beam spreader adjusting bar (J).
2. Position the Between Row Attachment beams (R) on the cultivator beams so that the Between Row beams are evenly spaced.
3. Assemble U-Bolts (S) to Between Row beams (R) and cultivator beams. Tighten U-Bolts securely.

NOTE: The wide U-Bolts must be used in the front where the beams overlap.

4. Attach cultivator shanks and shank with shovel or sweep shipped with this attachment, to Between Row beams using shank clamps (B), as shown.

NOTE: The operator may vary the shanks to suit his needs.

5. The cultivator, illustrated in Figure C, is assembled for 30 to 34 inch rows or under. If 34 or 38 inch rows are to be cultivated extend beams to center position. For 38 to 42 inch rows extend to the widest position. The above is based on using 6 inch sweeps.

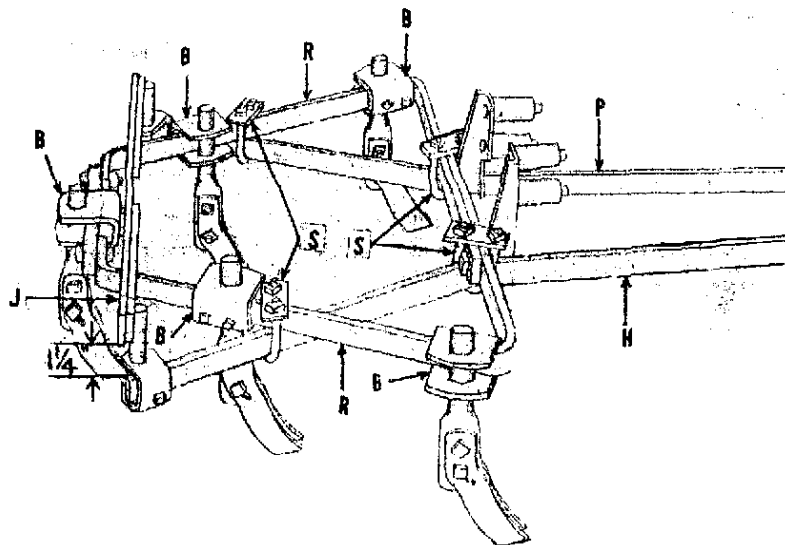
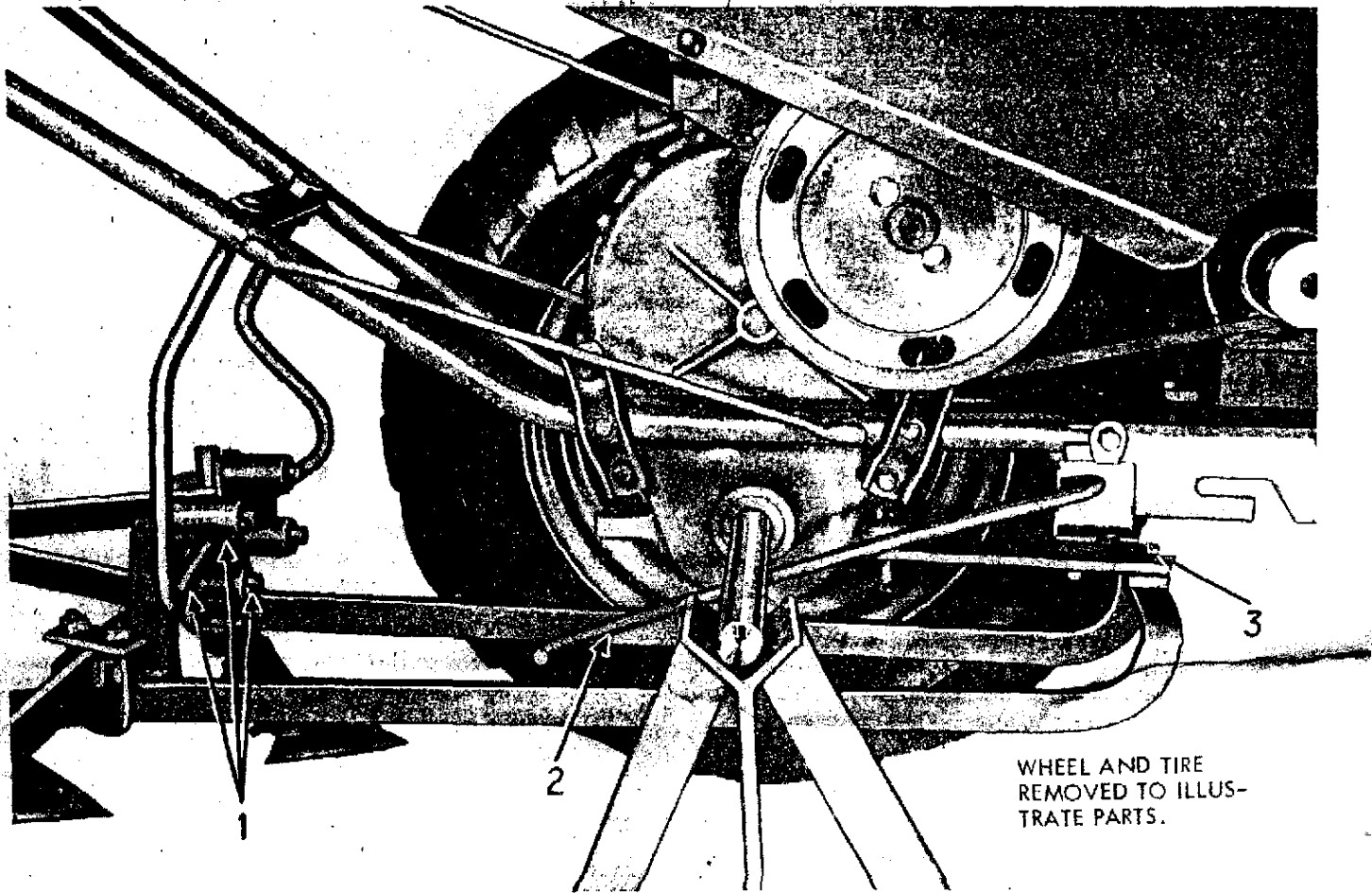


FIGURE C

INSTRUCTIONS FOR ASSEMBLING CULTIVATOR TO TRACTOR



WHEEL AND TIRE
REMOVED TO ILLU-
STRATE PARTS.

FIGURE D

1. Pull tractor backward into place over Cultivator and tilt handles downward until saddle enters between rollers on roller brackets as shown.
2. Place support stand in traveling position.
3. Raise beams and pin until pin enters hole in hitch bar as shown and insert spring retainer.

OPERATING INSTRUCTIONS

After the cultivator has been attached to the tractor, adjust the width of the beams according to row width and tool requirements. To adjust, loosen the four carriage bolts in the R. H. and L. H. Beam spreader and shank, beam spreader adjusting bar and axle and control crank assemblies, refer to figure B, illustration L, and slide cultivator beams in or out as desired. Adjust the shovel shank to desired height by loosening shank clamp and sliding up or down as desired. Tighten set screws securely. After beams and shanks have been set adjust depth by means of the two control cranks.

Remove all paint, varnish, etc. from ground working tools before using. Be sure all bolts and nuts are securely tightened.

MAINTENANCE AND SERVICE

At least once each week tighten all bolts, nuts and set screws. Gauge wheels should be greased every 4 hours of operation.

When cultivator is to be stored for any long period of time it should be thoroughly cleaned and all shovels, sweeps, etc. given a good coat of grease or rust preventive.

SPECIAL EQUIPMENT

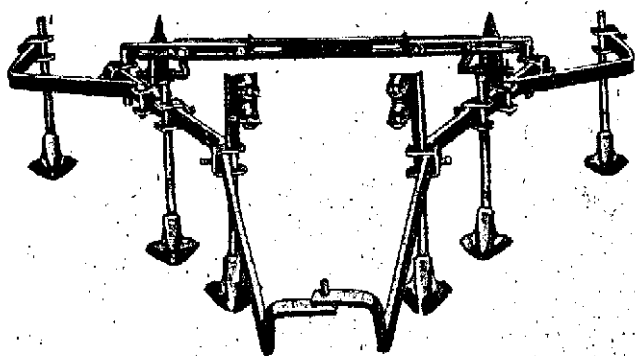


FIGURE E

BEAM EXTENSIONS

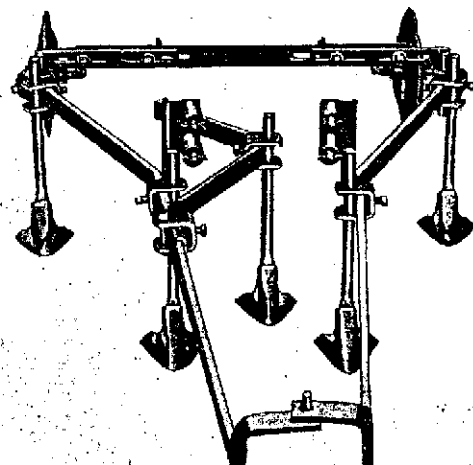


FIGURE F

If equipped with beam extensions, the cultivator can be set up to handle single rows up to 40 inches in width, or two medium width rows, or three narrow width rows, or between two wide rows. Attach beam extensions as shown in Figure E and attach tool shanks as required. Adjust width of beams as described above. Figure E shows cultivator and beam extensions set up with three tool shanks on each beam and adjusted to cultivate one row. Figure F shows one beam extension mounted to the inside of the cultivator beams for cultivating between two wide rows. Although only two setups are shown, many more are possible by changing the width between beams and position of the shanks and extensions.

WEEDING HOE AND SHANKS

For use on the first cultivation or for any small and tender plants. They permit cultivating close to small plants without covering them with soil. Attach by removing front sweep and shank and replacing with weeding hoe shank, Figure H. May also be used without sweeps or shovels or in more than one pair at any position on the beams as desired.

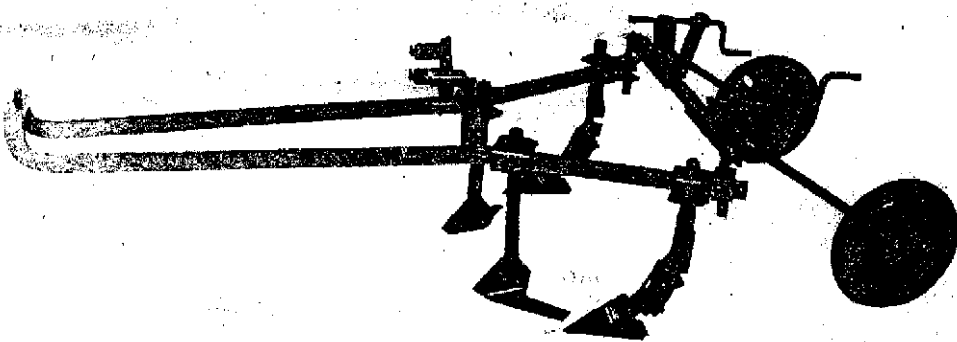


FIGURE H

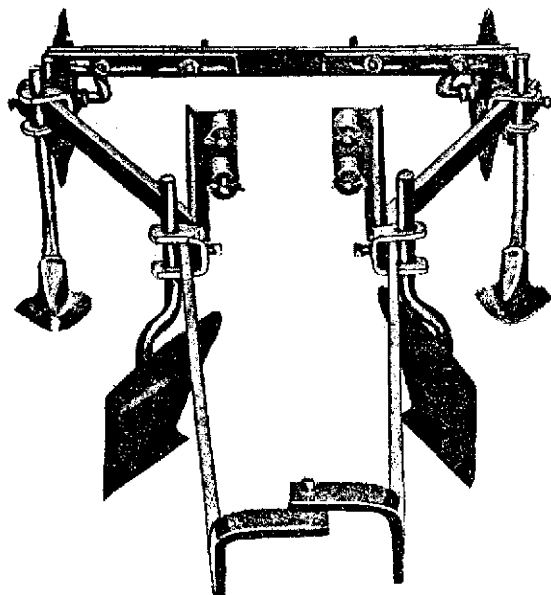


FIGURE J

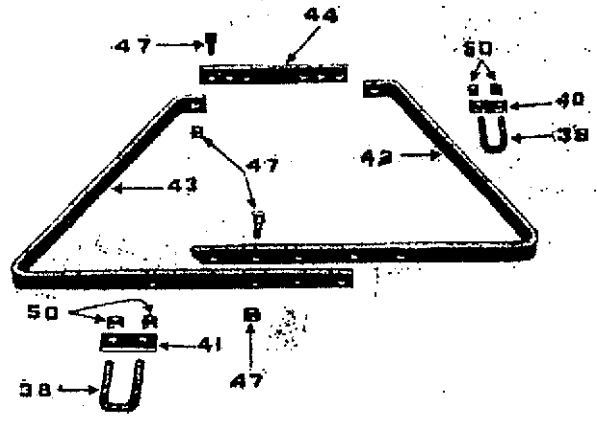
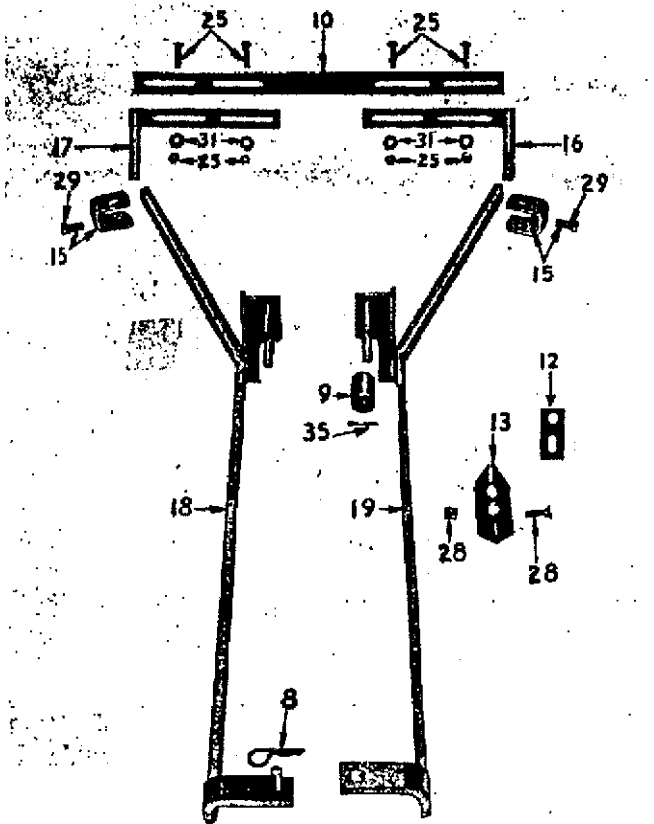
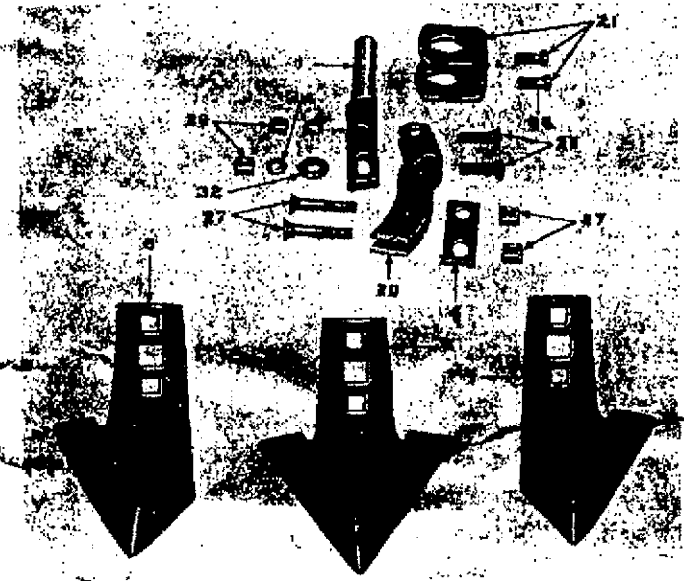
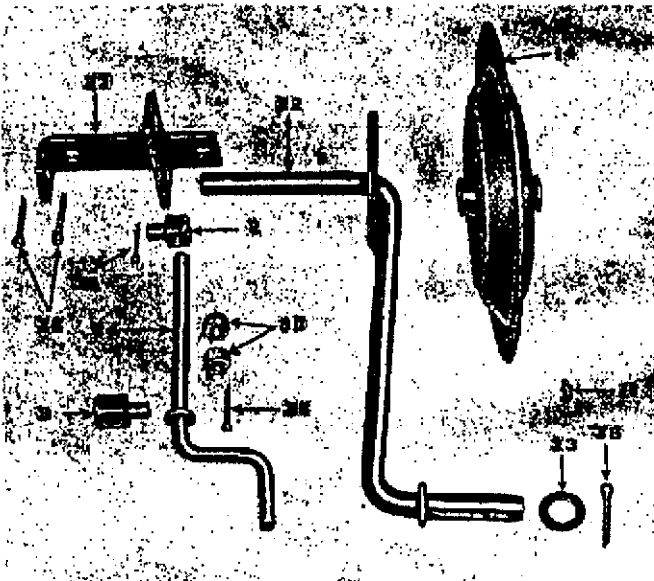
HILLERS AND SHANKS

Hillers are usually used in place of the front sweep and shank for hilling any kind of plant. Attach by removing front sweep and shank and replacing with hiller and shank, Figure J. They may be moved to any desired position on the beam and up or down to the desired height. They may also be used with or without sweeps or shovels. By reversing the hillers and setting them together, they may be used as furrow openers.

PARTS LIST

Bolts, Nuts, Washers, Cotter Pins, etc., of Standard dimensions do not carry part numbers. When these standard items are needed in service they should be purchased at the nearest Sears, Roebuck & Co. or Simpsons-Sears Limited store or from a local Hardware store.

Each part has been given an illustration number which is used only as a key to find the part number. Do not use the illustration number when ordering repair parts.



STRADDLE ROW CULTIVATOR

BETWEEN ROW CULTIVATOR ATTACHMENT

FIGURE K

PARTS LIST

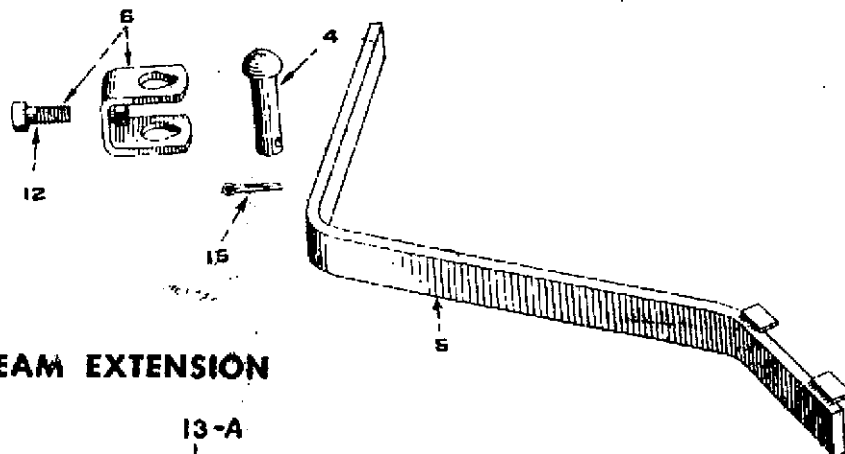
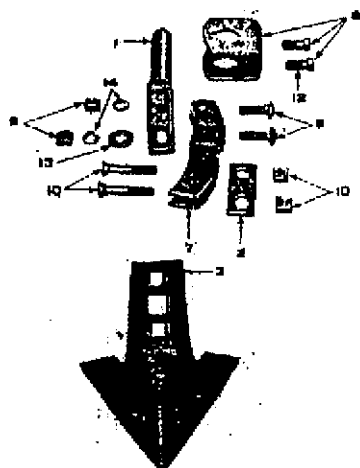
STRADDLE ROW CULTIVATOR

Illustration Number	Part Number	Quantity Required	Description
1	234H	4	Shank
2	287H	2	Tapped Pivot Block
3	288H	2	Pivot Block
4	361H	4	Washer Plate (Used with Sweeps,
5	365H	2	Cultivator Sweep
6	366H	1	R. H. Half Sweep
7	367H	1	L. H. Half Sweep
8	4939M	1	Retainer Spring
9	4979M2	4	Roller
10	6307M	1	Beam Spreader Adjusting Bar
11	6855M	2	Grease Fitting
12	8149M	4	Washer Plate (Used with Shovels)
13	8153M	4	Double Point Shovel
14	575PA35	2	Gauge Wheel
15	575PA42	2	Shank Clamp with Set Screw
16	575PA65	1	L. H. Beam Spreader and Shank
17	575PA66	1	R. H. Beam Spreader and Shank
18	575PA218	1	Beam and Roller Bracket R. H.
19	575PA219	1	Beam and Roller Bracket L. H.
20	575PA272	4	Shank Side Assembly
21	575PA275	4	Shank Clamp with Set Screw
22	575PA695	1	Pivot Link and Axle L. H.
23	575PA696	1	Pivot Link and Axle R. H.
24	575PA802	1	Axle Support L. H.
25	575PA803	1	Axle Support R. H.
26	591PA218	2	Control Crank and Washer
27	.....	4	Square Neck Carriage Bolt with Hex Nut 3/8" x 1-1/2" -16 NC.
28	.....	8	Square Neck Carriage Bolt 7/16" x 1-1/2" -14 NC.
29	.....	8	Square Neck Plow Bolt 3/8" x 2-1/4" -16 NC.
30	.....	8	Square Neck Plow Bolt 7/16" x 2-1/2" -14 NC
31	.....	10	Square Neck Oval Point Set Screw 1/2" x 1" -20 NF.
32	.....	4	Hex Nut 1/2" ASRU -13 NC
33	.....	4	Washer 7/16" x 1" x 14 Ga.
34	.....	4	Washer 1/2" x 1-1/4" x 14 Ga.
35	.....	2	Washer 13/16" x 1-1/4" x 14 Ga.
36	.....	8	Lock Washer 7/16"
	.....	8	Cotter 3/16" x 7/8"
	.....	6	Cotter 1/4" x 1-1/4"

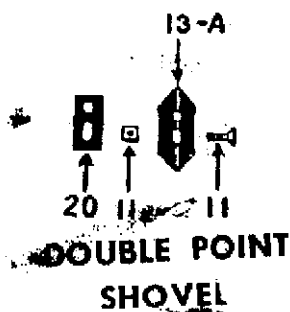
BETWEEN ROW CULTIVATOR ATTACHMENT

1	234H	1	Shank
4	361H	1	Washer Plate (used with Sweeps)
5	365H	1	Cultivator Sweep
38	7667M	2	U-Bolt
39	7668M	2	U-Bolt
40	7674M	2	Beam Clamp Strap
41	7675M	2	Beam Clamp Strap
42	7798M	1	Southern Type Beam L. H.
43	7799M	1	Southern Type Beam R. H.
44	7800M	1	Beam Tie
12	8149M	1	Washer Plate (used with Shovels)
13	8153M	1	Double Point Shovel
20	575PA272	1	Shank Side Assembly
21	575PA275	1	Shank Clamp with Set Screws
47	.....	4	Square Head Machine Bolt 1/2" x 1-1/2" ASRU -13 NC
48	.....	2	Square Neck Carriage Bolt 7/16" x 1-1/2" -14 NC 3/16" Shoulder
27	.....	2	Square Neck Plow Bolt 3/8" x 2-1/4" -16 NC
28	.....	2	Square Neck Plow Bolt 7/16" x 2-1/2" -14 NC
29	.....	2	Square Neck Set Screw OP 1/2" x 1" -20 NF
50	.....	8	Square Nut 7/16" ASRU -14 NC
32	.....	1	Washer 1/2" x 1-1/4" -14 Ga.
34	.....	2	Lock Washer 7/16"

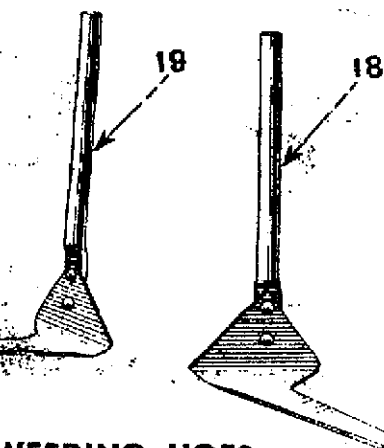
PARTS LIST



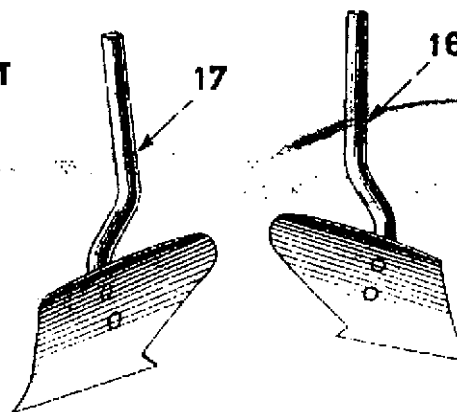
BEAM EXTENSION



DOUBLE POINT SHOVEL



WEEDING HOES



HILLERS

FIGURE L

Illustration Number	Part Number	Quantity Required	Description
1	234H	2	Shank
2	361H	2	Washer Plate (used with Sweeps)
3	365H	2	Sweep
4	1066M	2	Rivet, Drilled
20	8149M	2	Washer Plate (used with Shovels)
13-A	8153M	2	Double Point Shovel
5	575PA22	2	Beam Extension
6	575PA42	2	Shank Clamp with Set Screw
7	575PA272	2	Shank Side Assembly
8	575PA275	2	Shank Clamp with Set Screws
9	.....	4	Square Neck Carriage Bolt 7/16" x 1-1/2" -14 NC
10	.....	4	Square Neck Plow Bolt 3/8" x 2-1/4" -16 NC
11	.....	4	Square Neck Plow Bolt 7/16" x 2-1/2" -14 NC
12	.....	6	Set Screw, Square Head Oval Point 1/2" x 1" - 20 NF Thread
13	.....	2	Washer, 1/2" x 1-1/4" x 14 Ga.
14	.....	4	Washer, Lock 7/16"
15	.....	2	Cotter Pin 3/16" x 7/8"
16	575PA697	1	Hiller and Shank L. H.
17	575PA698	1	Hiller and Shank R. H.
18	575PA699	1	Weeding Hoe and Shank L. H.
19	575PA800	1	Weeding Hoe and Shank R. H.