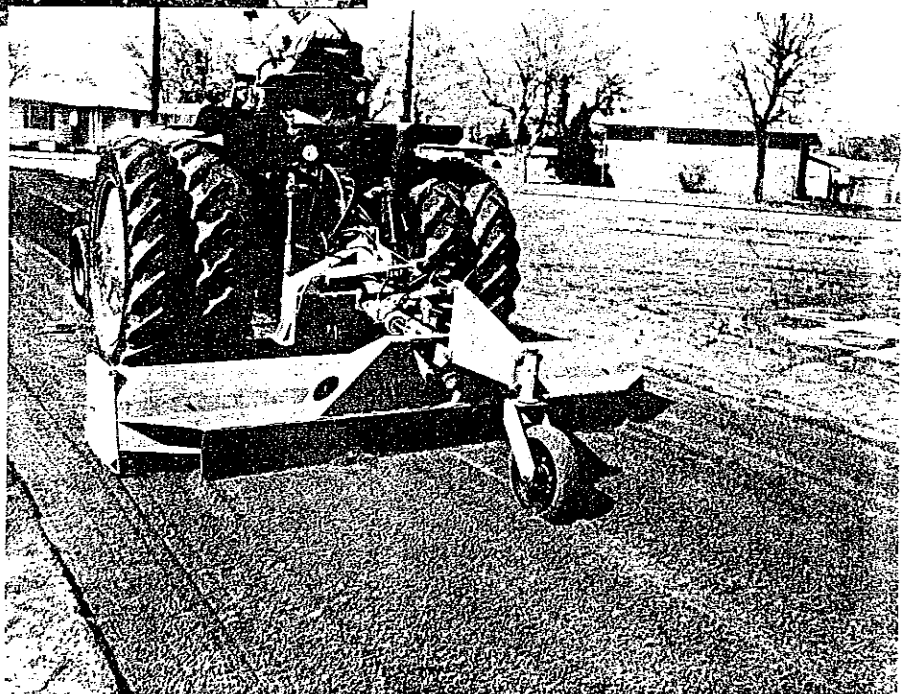
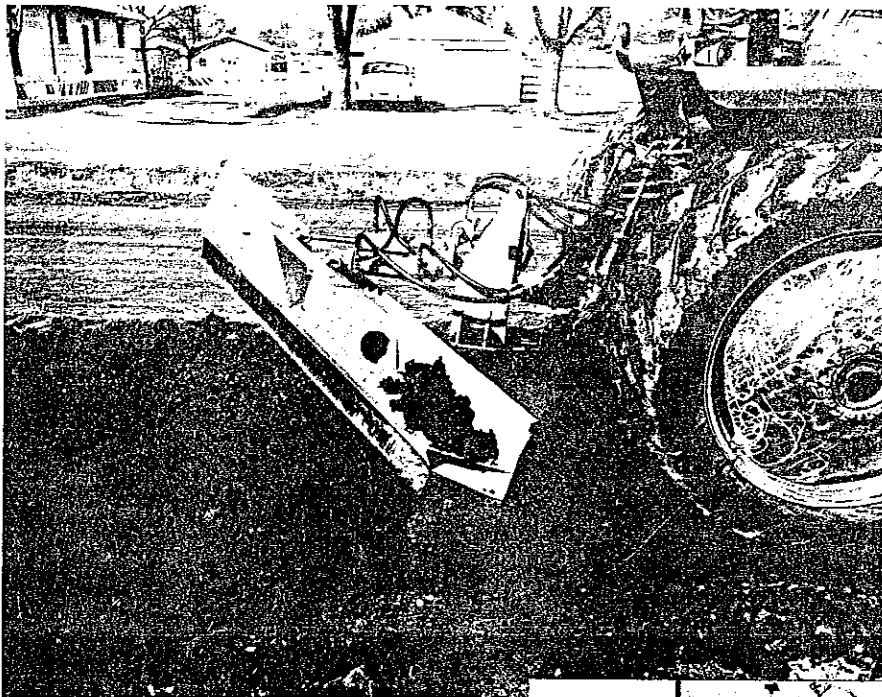


ASSEMBLY INSTRUCTIONS

Eversman MODEL RB-100 REAR MOUNT GRADER BLADE



THE EVERSMAN MANUFACTURING COMPANY
FIFTH STREET AT CURTIS • DENVER, COLORADO 80204 • (303) 244-9261

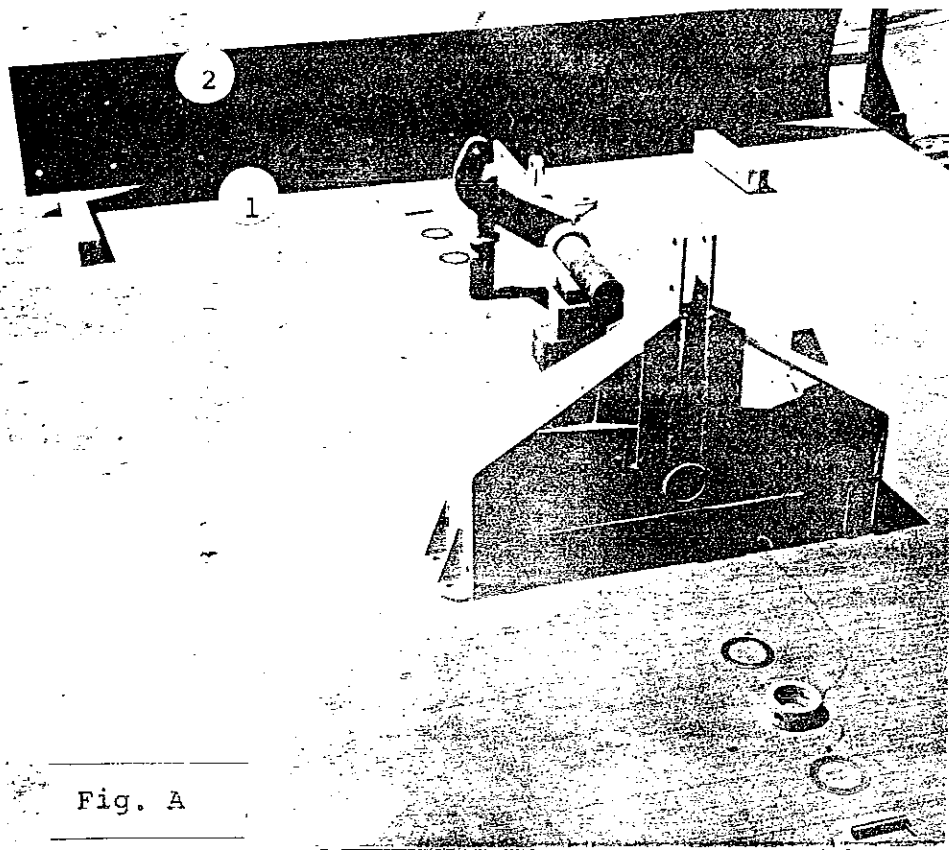


Figure A

The cutting bit (1) is factory assembled to the moldboard weldment (2) with 1/2 X 1-1/2 plow bolts, lockwashers and hex nuts.

Fig. A

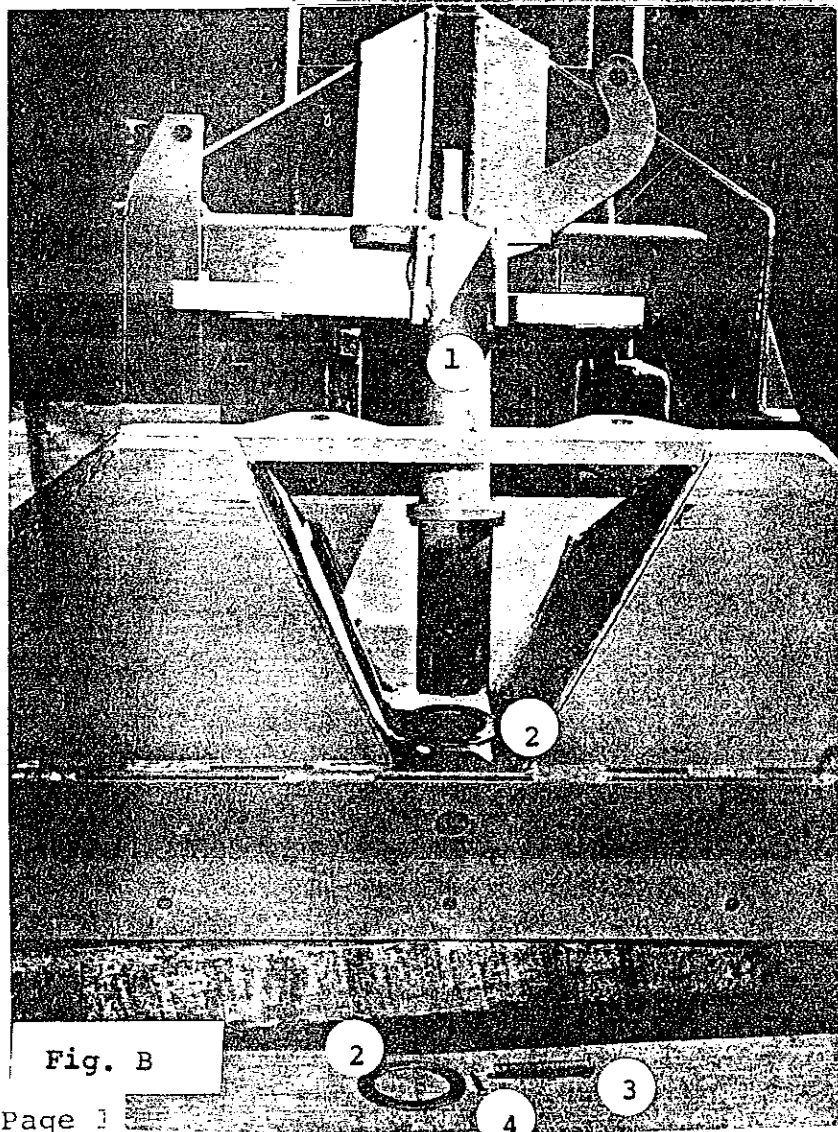
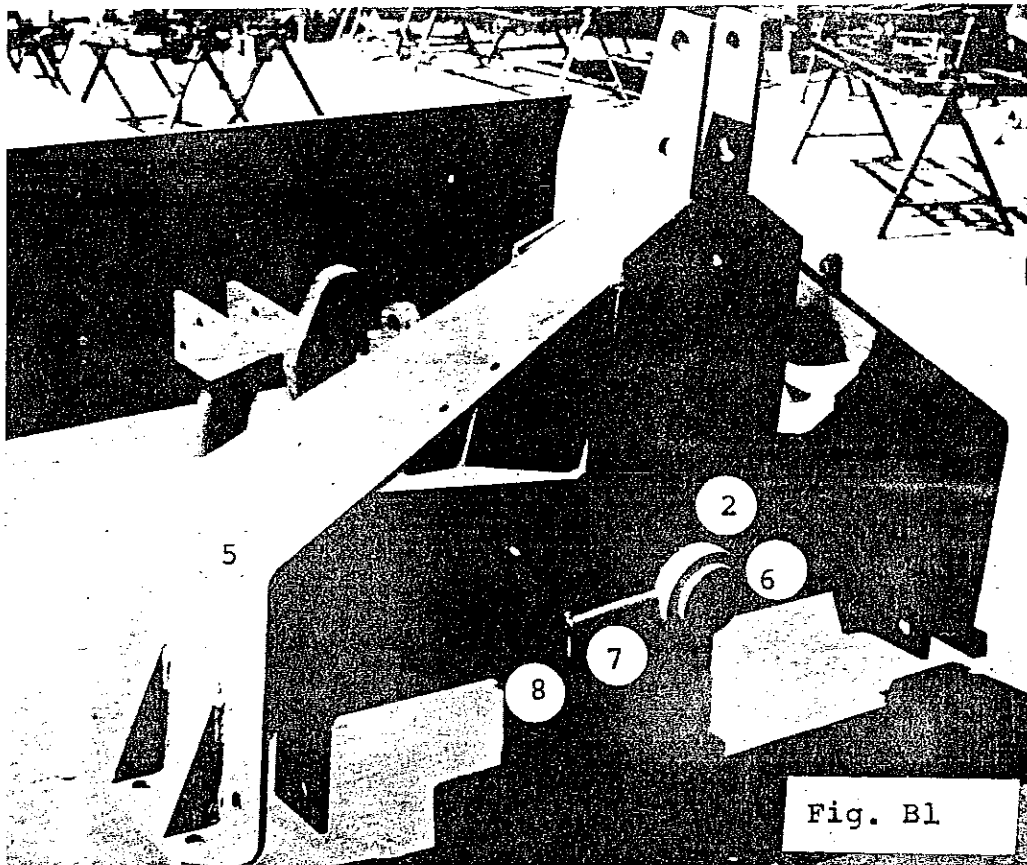


Figure B and B1

Attach the main bar weldment (1) to moldboard with two 14-gauge washers (2), a 1/2 X 3-3/4 drilled pin (3) and two 3/16 X 1" cotters (4).

Install a washer (2) on main bar and insert the bar through hitch (5), Fig. B1; and secure with a 14-gauge washer (2), a collar (6), a 3/4 X 4-3/4" drilled pin (7), and two 1/4 X 1-1/4" cotters (8).

Fig. B



PARTS

Fig. No.	Ref. No.	Part Number	Description	Model	No. Req.
A	1	171040	10' Cutting Bit	100	1
"	2	155515	10' Moldboard Weldment	100	1
"		059777	1/2 X 1-1/2 Plow Bolt 127890 nuts	Both	9 or 11
"	1	168050	8' Cutting Bit	80	1
"	2	155521	8' Moldboard Weldment	80	1
B & B1	1	155535	Bar Weldment	Both	1
"	2	066476	Washer	Both	4
"	3	155582	1/2 X 3-3/4 Drilled Pin	"	1
"	4	063746	3/16 X 1" Cotter	"	2
"	5	155550	Hitch	"	1
"	6	155577	Collar	"	1
"	7	155581	3/4 X 4-3/4 Drilled Pin	"	1
"	8	063761	1/4 X 1-1/4 Cotter	"	2

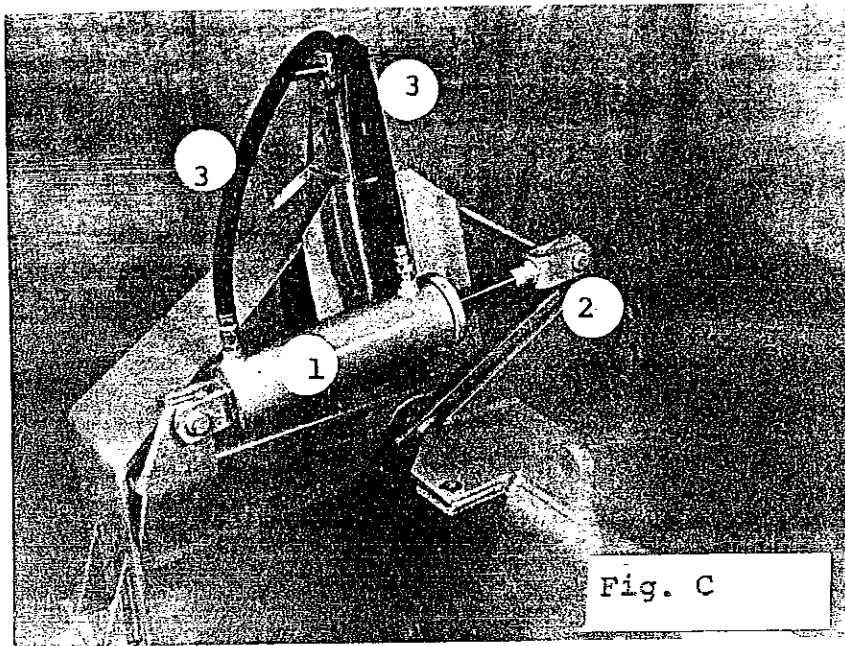


Figure C

The "tilt" control hydraulic cylinder (1) is assembled with clevis pins (2) and 1/4 X 2" cotters. Note that the rod end is attached to the arm on the main bar weldment and the clevis end to the welded fitting on the hitch. Two 1/2 X 57" hoses (3) lead from the cylinder ports to the tractor. Any 8" stroke, ASAE standard, 2-way cylinder may be used for this control which regulates the tilt of the blade. Order optional Tilt Hydraulic Kit No. 155624 for parts shown in Figure C.

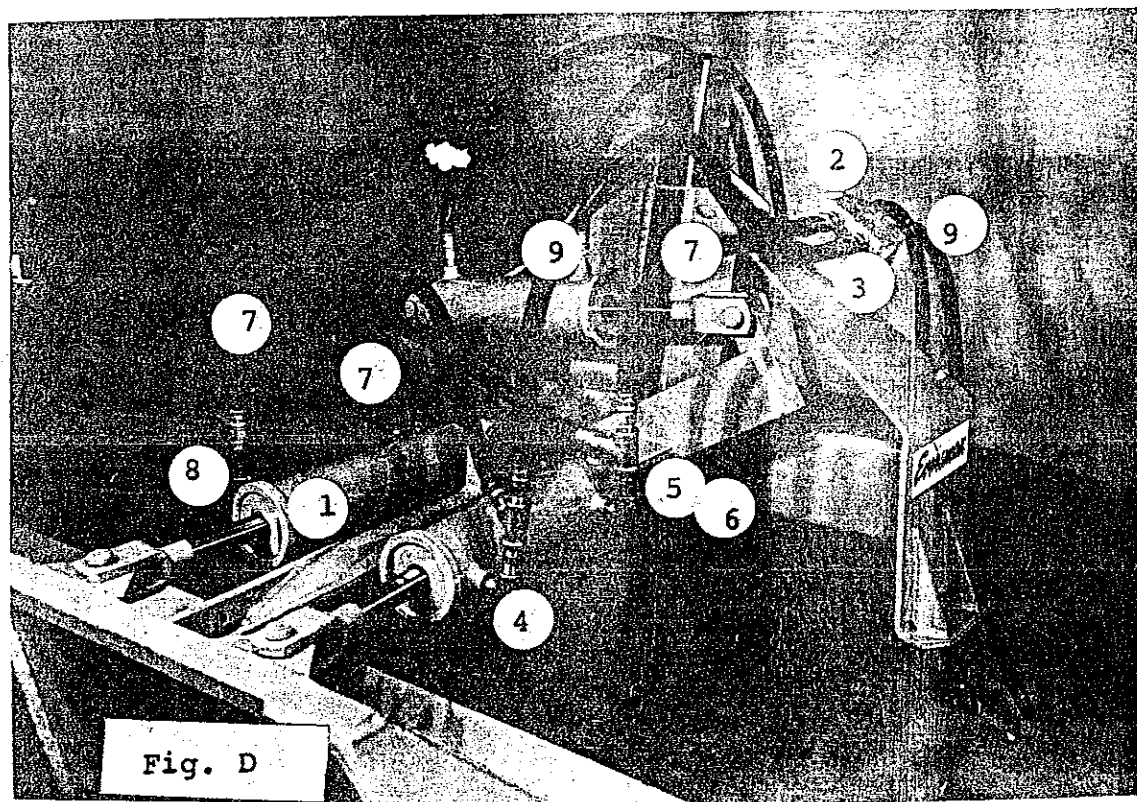


Figure D

This figure shows installation of the hydraulic components for the "angle" control of the blade. Install two cylinders (1) with clevis pins and 1/4 X 2" cotters. Note that the piston rod ends are attached to the moldboard fittings. Attach mounting bracket (2) to hitch, and cushion valve (3) to bracket with two 5/16 X 1" and two 5/16 X 2" machine bolts, lockwashers and hex nuts. (The cushion valve is a 2000 PSI valve. Valves that relieve at lower pressures

should not be used.) Install 90° street els (4) to all 4 cylinder ports. On the right hand cylinder ports, assemble 1/2 X 2" pipe nipples (5) and 1/2" tees (6). Then attach two of the 28" hoses (7) to the tees and to the ports on the left hand cylinder with swivel fittings (8). Note that these two 28" hoses are crossed from the front to rear ports on the cylinders. Another 28" hose (7) leads from the tee on the front port of the right hand cylinder to the cushion valve (3), and is connected to the valve with a swivel fitting (8). Then attach a 42" hose (9) to the tee on the rear port of the right hand cylinder, and to the cushion valve with a swivel fitting (8). Two 42" hoses (9) are attached to the front ports of the cushion valve for connection to the tractor. Your attention is called to the fact that the tractor must be equipped with two control valves to operate both the tilt and angle control hydraulic cylinders.

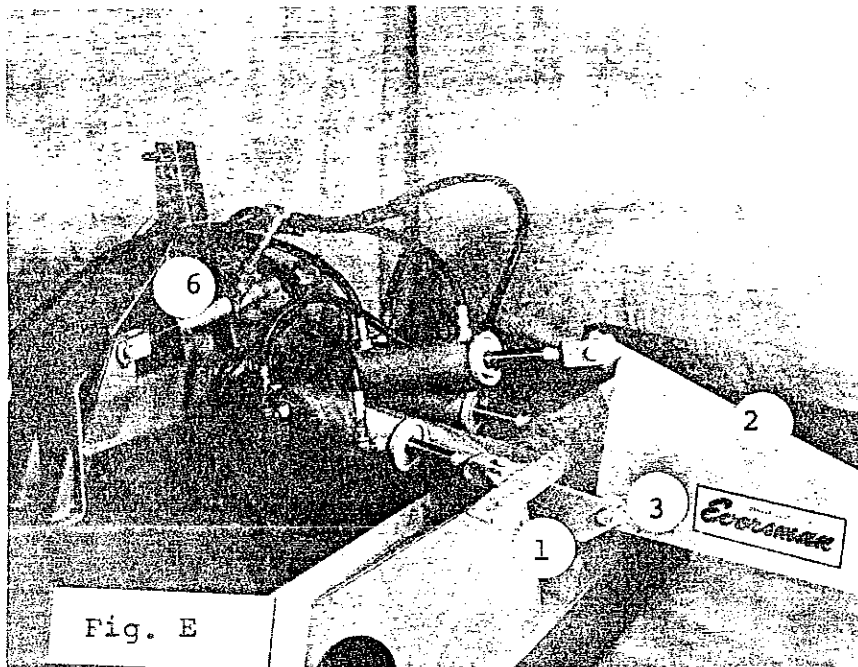


Figure E

To assemble the optional Gauge Wheel Kit (#155600), first attach the extension arms (1) to the fittings, bolted on the rear end of the main bar with four - 5/8 X 1-3/4 machine bolts, lockwashers and hex nuts. Insert the support shaft (3) in the gauge wheel beam (2) and attach to extension arms with two 3/4 X 1-1/2 machine bolts and lockwashers.

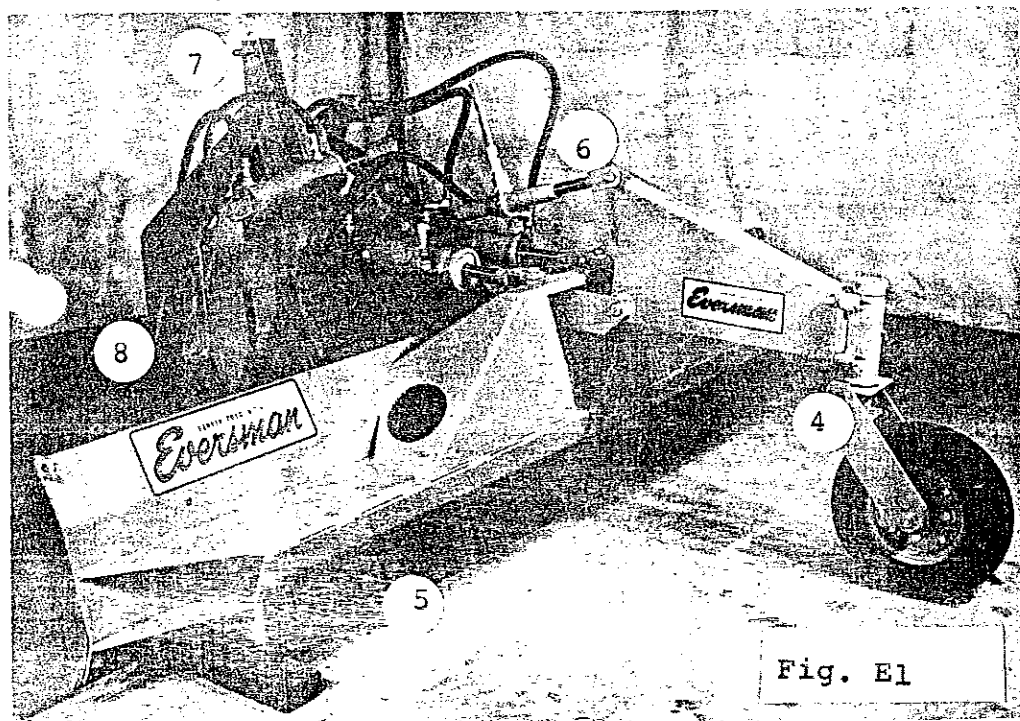


Figure E1

The gauge wheel and castor assembly (4) is shipped pre-assembled. It is attached to the gauge wheel beam with four 5/8 X 2-1/2 machine bolts, lockwashers and hex nuts. The optional Back Fill Bit Kit (5) is assembled to the moldboard weldment with 1/2 X 1-1/2" plow bolts, lockwashers and hex nuts. To operate the rear blade with the gauge wheel installed, note that the optional ratchet jack (6) can be used in two different positions. If operating on jobs requiring frequent ad-

justment of the gauge wheel, but only occasional necessity to vary the tilt of the moldboard, then install the ratchet jack in the tilt control position, as shown in Figure E, and utilize the tilt cylinder to adjust the depth of the gauge wheel. On the other hand, if it is not necessary to change the depth of the gauge wheel frequently, install the ratchet jack as shown in Figure E1, and use the cylinder to control the blade tilt. The upper (7) and lower (8) step pins attach the hitch to tractors with Cat. 1 standard 3-point hitches by inserting in one direction, or to Cat. 2 hitches by reversing the pins. Use the tractor top link, or order optional Adjustable Top Link Assembly #931500.

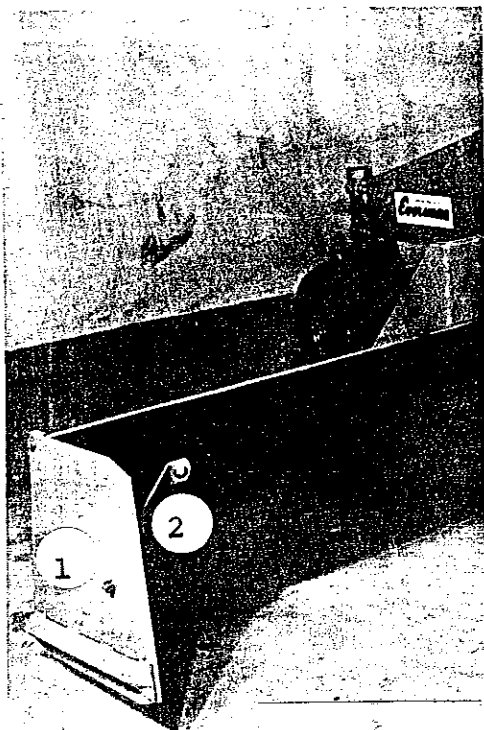


Fig. F

Figure F

This figure shows installation of the optional Sideboard Kit No. 155560. Attach the sideboard weldments (1) to the top of the moldboard with 1/2 X 1-1/4" hex bolts, and replace the cutting bit end bolts at the bottom with 1/2 X 1-3/4" plow bolts.

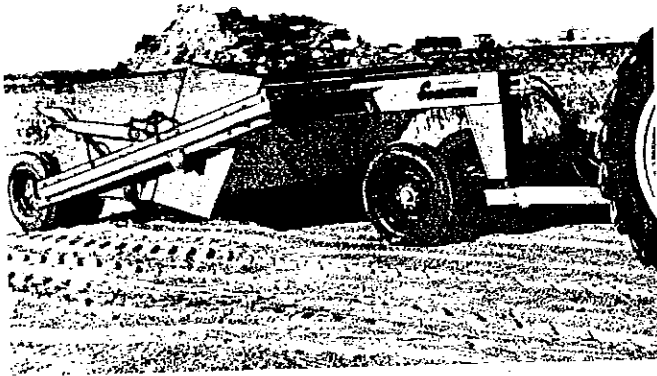
Assemble the sideboard braces (2) with 1/2 X 1-1/4" carriage bolts, lockwashers and hex nuts.

Fig. No.	Ref. No.	Part Number	Description	Model	No. Req.
C	1	311015	8" X 3-1/2" Cylinder Assembly	Both	1
"	-	401052	Cylinder Repair Kit	"	1
"	2	701026	Clevis Pin	"	2
"	-	063764	1/4 X 2" Cotter	"	2
"	3	041007	1/2 X 57" Hose	"	2
D	1	311015	8" X 3-1/2" Cylinder Assembly	Both	2
"	-	701026	Clevis Pin	"	4
"	-	063764	1/4 X 2" Cotter	"	4
"	2	155506	Mounting Bracket	"	1
"	3	609550	Cushion Valve	"	1
"	4	622420	90° Street El	"	4
"	5	626615	1/2 X 2" Pipe Nipple	"	2
"	6	623120	1/2" Tee	"	2
"	7	609200	1/2 X 28" Hose	"	3
"	8	710402	Swivel Fitting	"	4
"	9	411200	1/2 X 42" Hose	"	3
E&E1	1	155556	Extension Arm		
"	2	155595	Gauge Wheel Beam		
"	3	155592	Support Shaft		
"	4	---	Gauge Wheel & Castor Assembly	"	1
"	-	155545	Yoke		

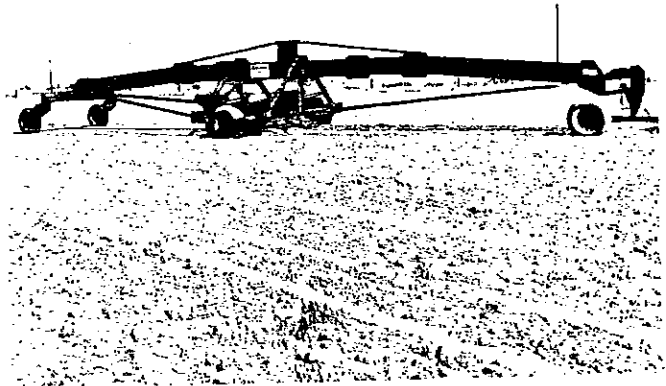
Fig. No.	Ref. No.	Part No.	Description	Model	No. Req.
E&E1	-	273360	Spindle Sleeve		
"	-	281661	Collar		
"	-	155613	Wheel		
"	-	155617	Tire & Tube		
"	-	155618	4:00 - 4:80 X 8 Tire		
"	-	155619	4:00 - 4:80 X 8 Tube		
"	-	155605	Gauge Wheel Hub Assembly		
"	-	155607	Hub Casting		
"	-	155628	Cup L44610		
"	-	155629	Cone L44643		
"	-	155610	Grease Seal - Nat. 204029		
"	-	155611	Spindle		
"	-	155612	Shoulder Nut		
"	-	055354	5/8 X 7" Hex Machine Bolt		
"	5	155626	8' Back Fill Bit Kit	100	1
"	-	168050	8' Reversible Bit	100	1
"	5	155625	6' Back Fill Bit Kit	80	1
"	-	166050	6' Reversible Bit	80	1
"	-	059777	1/2 X 1-1/2" Plow Bolts	Both	9or11
"	6	172600	Ratchet Jack	Both	1
"	7	274380	Upper Step Pin	"	1
"	8	274390	Lower Step Pin (Not Shown)	"	2
"	-	063839	Hairpin	"	3
F	1	155601	L.H. Sideboard	Both	1
"	1	155602	R.H. Sideboard	"	1
"	-	059778	1/2 X 1-3/4 Plow Bolt (Bottom)	"	2
"	-	055212	1/2 X 1-1/4 Plow Bolt (Top)	"	2
"	-	155563	Sideboard Brace	"	2

Note: To replace defective bar weldments on Rear Blades Serial Number through 1236, order Kit No. 155585. This includes a newly designed bar as well as the collar, rollpin and cotters to attach it to the hitch frame.

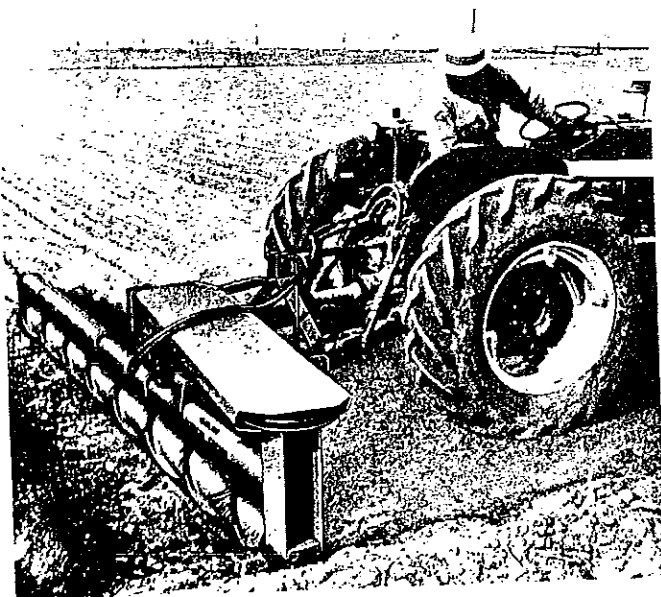
OTHER EVERSMAN PRODUCTS



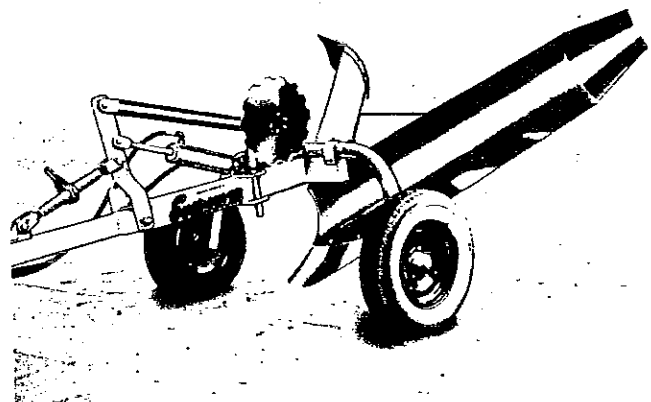
Eversman Scrapers are available in 2½ and 6 cubic yard capacity sizes. Both models can be used individually, with standard farm wheel tractors, or in tandem, to accomplish long-haul, high-yardage, dirt moving. Each scraper operated with single hydraulic control valve. Low initial investment and low operating cost for all types of soil moving jobs to prepare fields for irrigation or to eliminate drainage problems.



The Grade Plane is a large, rugged leveler which combines length and weight with the proven Eversman crank axle design. Full castoring rear wheels and swivel connection at front tongue permits fast, easy turning at field ends. Available in 12' and 14' widths, with 46', 55' or 70' lengths. An automatic trip blade is available where stumps or rocks might be encountered.



The new Model 130 Headland Furrow Opener. Saves work and time and you can eliminate hand digging the 10 to 12 feet required to run water from the siphon tubes to the rows. Hydraulic control. Cutting length 13'2", depth of furrow 3" to 5", rotor speed 250 RPM. Direction of rotation towards tractor. Swivel 37° both directions. Sealed, self-aligning ball bearings. P.T.O. drive. Mounts on standard 3 point hitch, category 1 or 2. Weight 800 lbs.



A modern Ditcher for building or cleaning ditches for either irrigation or drainage. Outstanding maneuverability and transportability features makes it possible for one man to do his ditching work fast and at low cost. Operated either mechanically or hydraulically with standard farm tractors.

Available in three models to fit all size ditches and farm tractors. A model is also available for tractors with standard 3-point hitch systems.