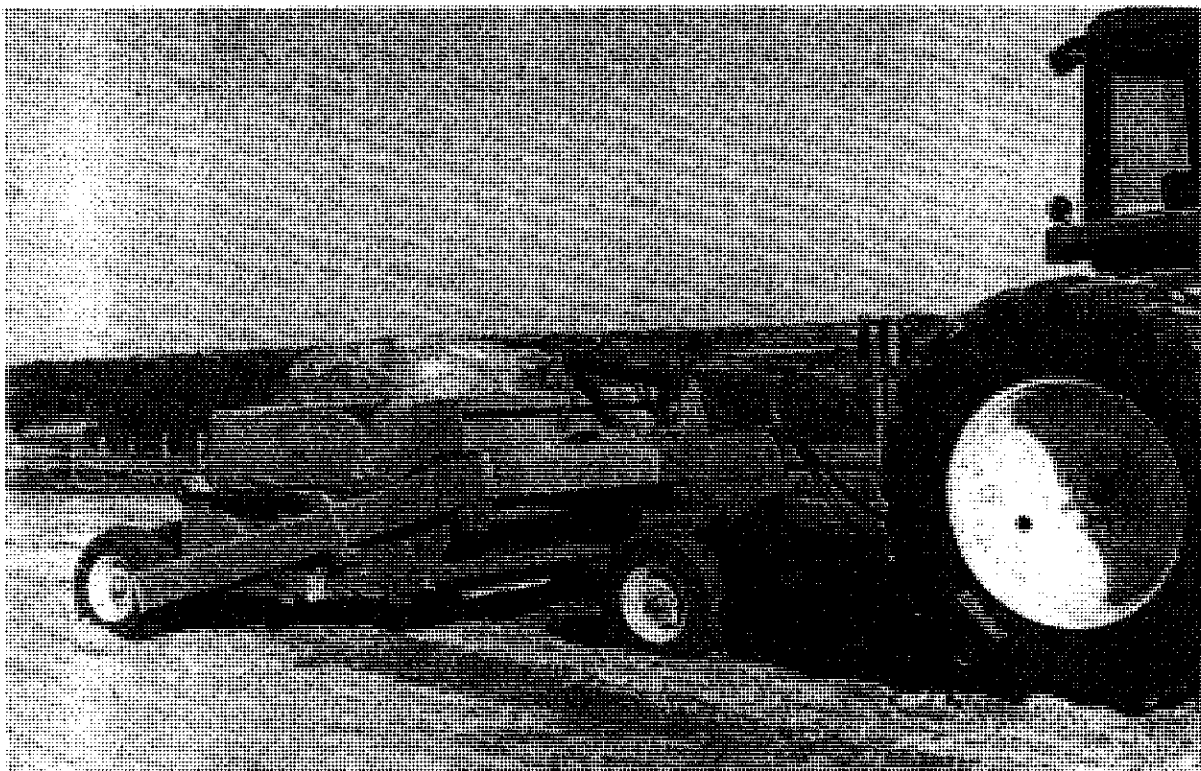


Eversman
by Art's-Way

SCRAPER

MODEL 750

Assembly and Operation Manual including parts list



Art's-Way Manufacturing Co., Inc.

Box 288 • Hwy 9 West
Armstrong, Iowa 50514
(712) 864-3131

WARRANTY

Eversman, Inc. warrants its products to be free of defects in material and workmanship for a period of 12 months from the date of first use by the original purchaser, at retail, under normal and proper use in accordance with the recommendations and suggestions in our operation manuals. The obligation of Eversman under this warranty will be limited to replacement or repairs, without charge, to the purchaser of the part or parts acknowledged by the Company to be defective in workmanship or material. The defective parts are to be returned to Eversman, Denver, Colorado, for inspection, transportation charges and handling fees prepaid.

No warranty is made with respect to parts purchased from outside suppliers, since such items are warranted by their manufacturers. No liability is assumed for expenses or damages resulting from improper assembly, malfunction in operation of Eversman equipment, or if damaged in any accident, fire, flood or act of God. This warranty is not extended to used equipment, rental or leased units or Eversman products on which repairs or alterations have been made without authorization.

Eversman, Inc. reserves the right to make changes in its products at any time without becoming liable to make similar changes on equipment previously manufactured. This warranty is in lieu of all other warranties, expressed or implied.

To the Purchaser and Dealer: This manual covers the necessary assembly instructions, operating instructions and parts list for the Model 750 Proportional Weight Transfer Scraper. Record the Serial Number, and delivery date, at once so this information will be available in the future when ordering parts.

RECORD FOR FUTURE REFERENCE

EVERSMAN MODEL 750 SCRAPER

SERIAL NUMBER: _____

DATE DELIVERED: _____

(Always give Serial Number when ordering parts.)

EVERSMAN HYDRAULIC SCRAPER MODEL 750 THE EVERSMAN MFG. COMPANY DENVER, COLO. SERIAL NO. 750 <input type="text"/>

043026

TO THE OPERATOR

This manual covers the necessary assembly, operating instructions and parts list for the Model 750 Proportional Weight Transfer Scraper. A careful operator is the best insurance against an accident. Most farm accidents are a result of the failure to observe, and follow, safety suggestions.

SAFETY

Safety is everyone's responsibility and should be foremost in your mind when operating, transporting or servicing this machine. All possible consideration for safety of the operator has governed the design of the 750. You can avoid accidents by following these recommendations and suggestions.

- a) Be certain all bystanders are not near machine when transporting, turning, operating or moving on or off the field.
- b) Do not operate bucket cylinders or gate control cylinder with anyone close to the bucket section.
- c) Lower machine to ground and shut off tractor before servicing or lubricating.
- d) Never permit anyone to ride on the scraper while operating or transporting.
- e) Install "Slow Moving Vehicle" sign for transporting. Transport with care and slowly over rough ground.
- f) Relieve pressure on hydraulic system before disconnecting hose fittings, and be certain all hoses, lines and fittings are tight before applying pressure to the system.
- g) Refer to section on operating instructions and be certain you have sufficient weights on front of tractor.



When you see this symbol, be aware that it identifies an important safety message. Read the message carefully and exercise caution to avoid personal injury or machine damage.

TABLE OF CONTENTS

	<u>Page</u>
Assembly	3-12
Operating Instructions	13-14
Lubrication	16
PartsP-1,P-12

ASSEMBLY INSTRUCTIONS

- 1 - Lift Pipe - 043020.
- 2 - Bearing Cap - 021961.
- 3 - Bucket - 042885.
- 4 - Bearing Insert - 022050.
- 5 - Bucket Pivot Plate - 042935.
- 6 - Reversible Side Bit - 024693.
- 7 - Center Bit - 024694.

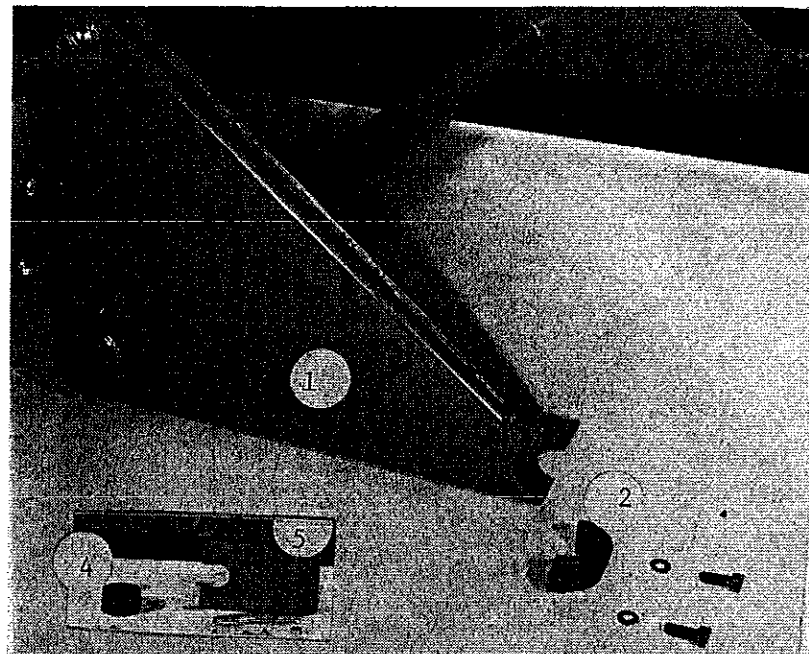


Fig. A

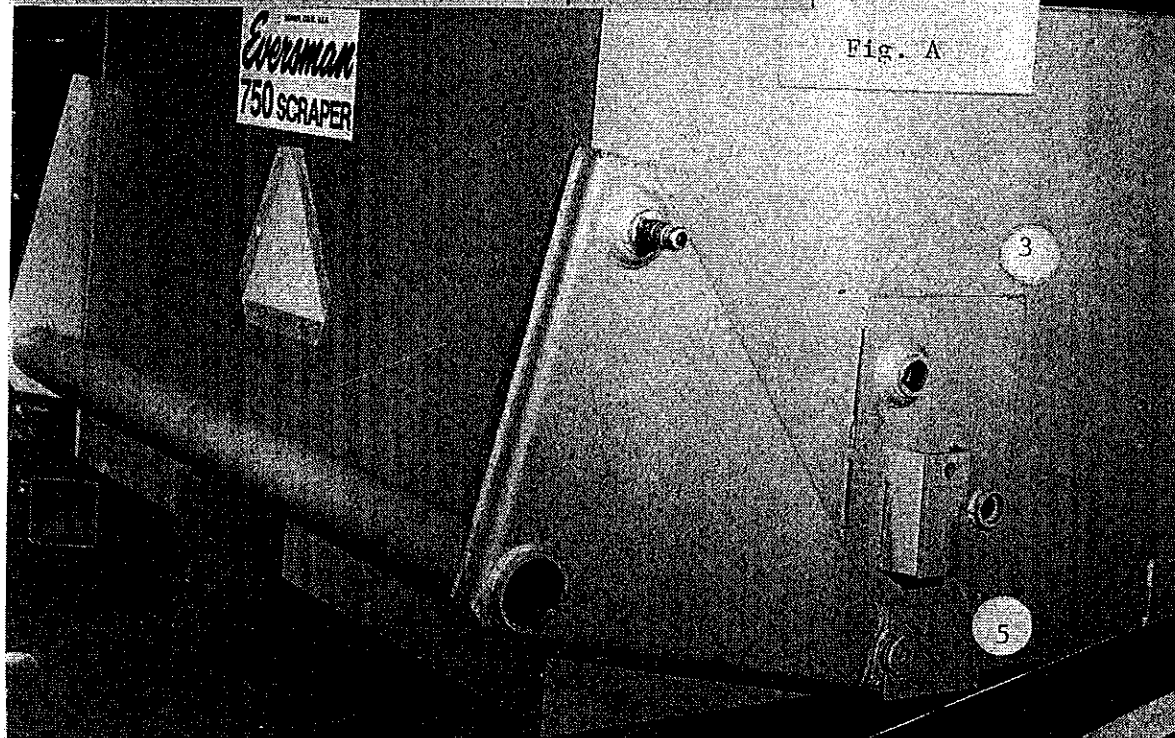
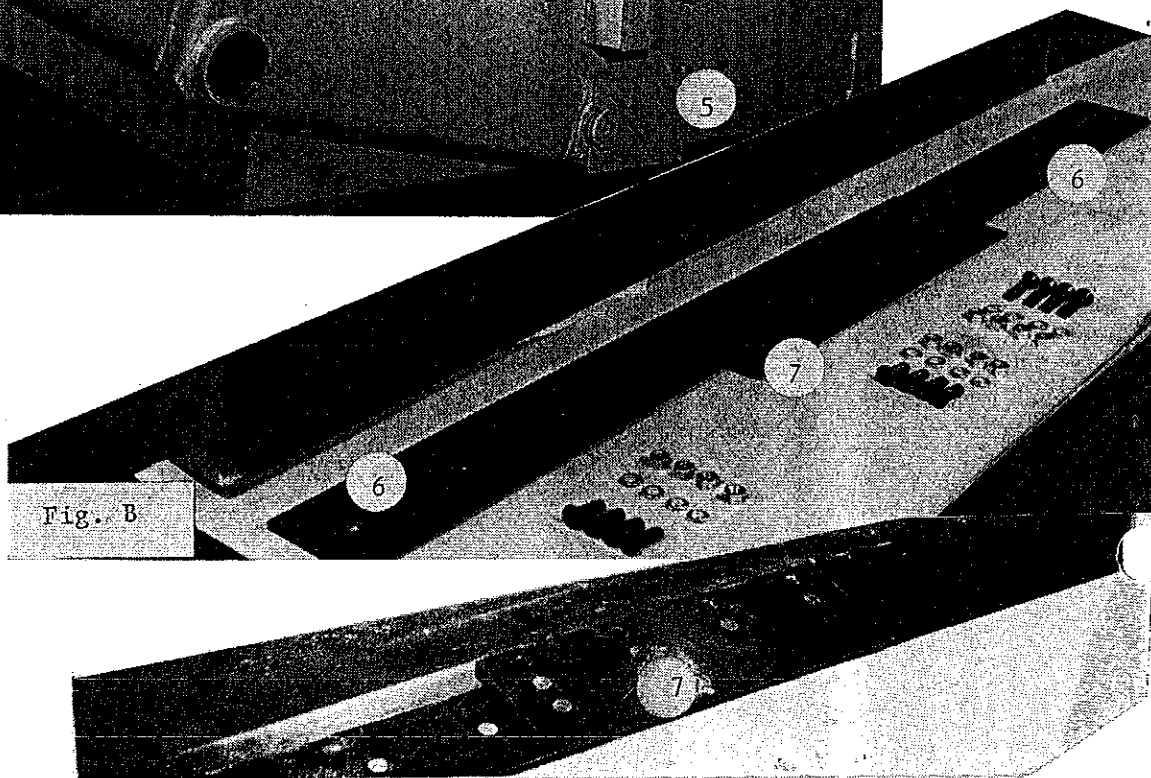


Fig. B



ASSEMBLY INSTRUCTIONS (Cont'd)



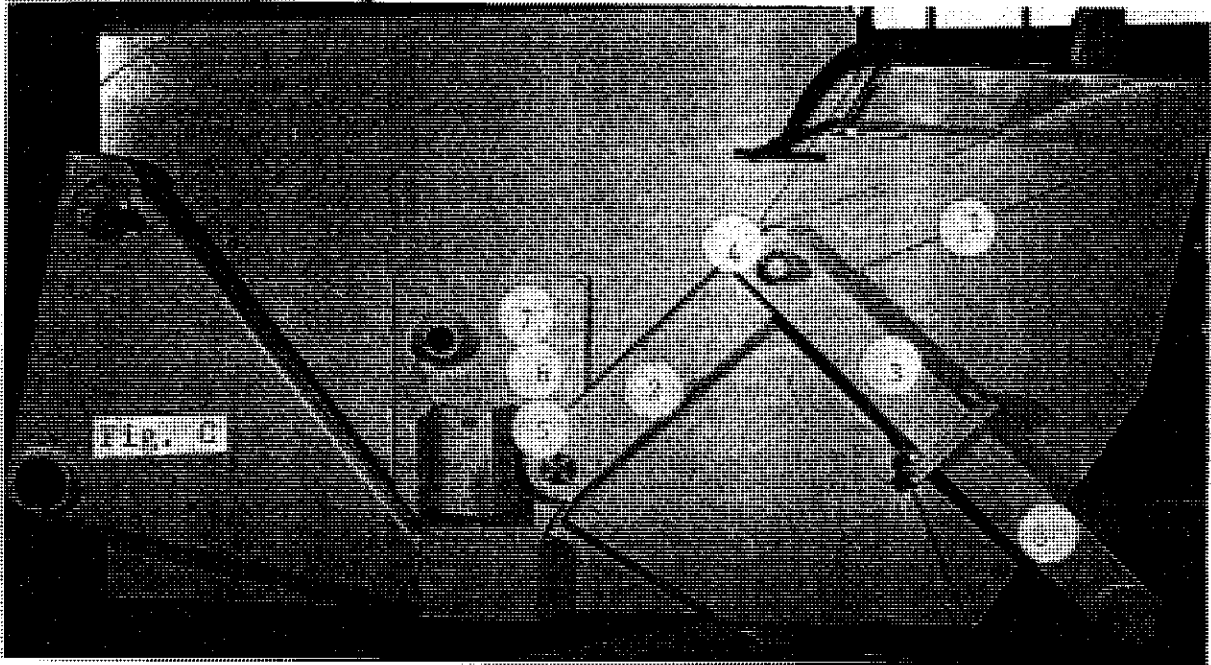
Caution: Since most of these parts are heavy, provide overhead power and advise set-up personnel to handle with care and attention.

Figures A and B

- 1 - Before starting assembly, place bucket (3) on its back and assemble the cutting bits. Attach side bits (6) with 5/8 X 2" plow bolts and lock nuts.
- 2 - Use 5/8 X 2" and 5/8 X 3" plow bolts to assemble the center bit (7) as a frost bit; or it can be placed in line with the side bits for an even cut over the entire width.
- 3 - Then set bucket on 8" blocks and attach lift pipe (1) to the bucket lower pins with bearing inserts (4) and bearing caps (2) (with faced surface inside); using 5/8 X 2" Grade 5 capscrews and lock washers. Install zerks in lift pipe and bearings. Be sure zerks are clean and will take grease. The pivot plate (5) slides over the bucket pin and is secured with 1/2 X 1-1/4" carriage bolts, nuts and lock washers. Thoroughly tighten all bolts.



Caution: If the 5/8 X 2" capscrews are not kept tight, the bearing caps may break, which could damage the lift pipe. It is recommended that these capscrews be checked and tightened every three days during heavy usage.



- | | |
|-------------------------------|---|
| 1 - Gate - 042851 | 5 - Slotted Link Pin - 044058 |
| 2 - Slotted Link - 042868 | 6 - Stopnut - 064596 (inside bucket) |
| 3 - Bail Arm - 042898 | 7 - 1-1/2" SAE Flat Washer - 063596 (inside bucket) |
| 4 - Elastic Stop Nut - 064596 | 8 - Bail - 042894 |

- 1 - Attach slotted link (2) and bail arm (3) to gate pin with stopnut (4).
- 2 - Move gate (1) in place on bucket and secure with C-clamps with the gate lip resting on cutting bit.
- 3 - Assemble lower end of slotted link to bucket with pivot pin (5) and 1-1/2" SAE flat washer (7) and stop nut (6) on inside of bucket.
- 4 - Attach bail (8) to arm (3) with 3/4 X 2", Grade 5, hex bolts, nuts and lock-washers.
- 5 - Install zerks in bail arm fitting.

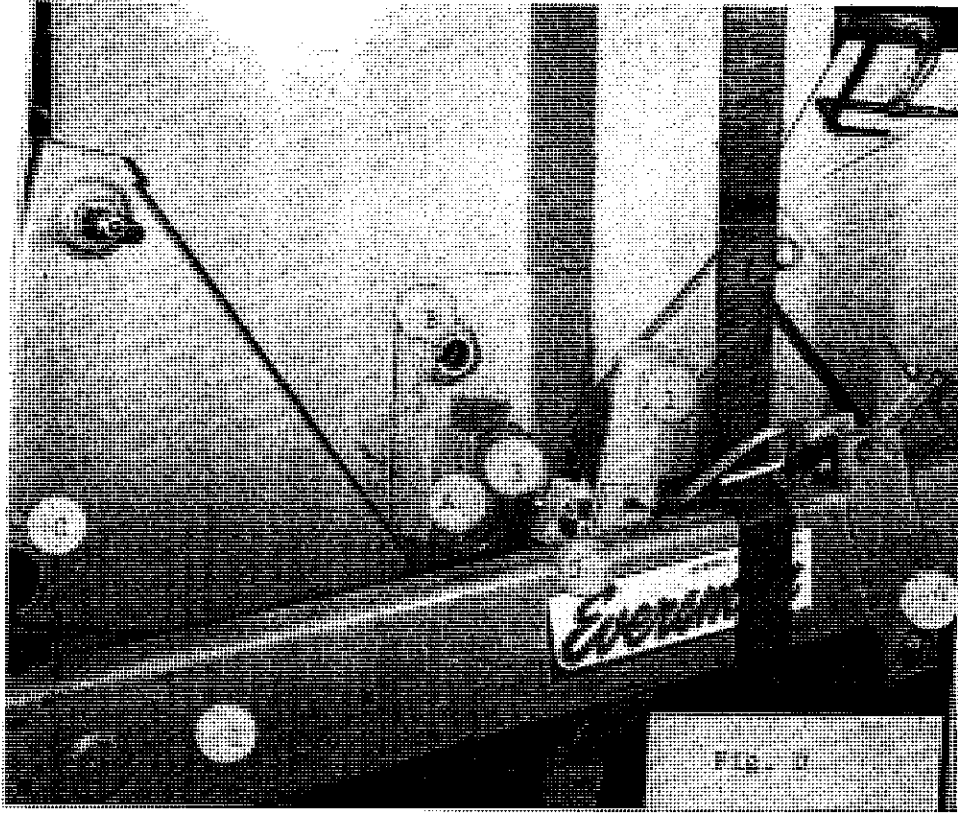


Figure D

- 1 - Siderail - RH - 042976
LH - 042975
- 2 - Siderail Wear Plate - 040026
- 3 - Control Link - 042896
- 4 - 1-1/2" Stop Nut - 064596
- 5 - Rear Pivot Pin - 043053
- 6 - Bucket Wear Plate - 040028 (Not Shown)

- 1 - Attach siderail bumper (2) to siderail with 1/2 X 1-1/2" plow bolts and lock washers.
- 2 - Bolt bucket bumper (Point A) with 1/2 X 1-1/2" plow bolts. (Refer page P-1, item 7 for bucket bumper.)
- 3 - Insert rear pivot pin (5) in control link (3) and then connect the lower end of the link to siderail bracket with 1-1/2" stop nut (4). Leave loose until step 5 is completed.
- 4 - Grease tube at rear of siderail so it will slide easily into lift pipe (Point C).
- 5 - Then move siderail into lift pipe and fasten the rear pivot pin into bucket at Point B with a 1-1/2" stop nut and flat washer on inside of bucket.
- 6 - Install zerks and grease both ends of control link.

Figure E

- 1 - Bail - 042894
- 2 - Cap - 043060

- 1 - To facilitate assembly of the bail to the siderails, lift the gate up and back keeping gate lip on bit.
- 2 - Nest bail (1) into siderail brackets and secure caps (2) with 5/8 X 2", Grade 5, hex bolts and lockwashers.
- 3 - Install zerks and grease.

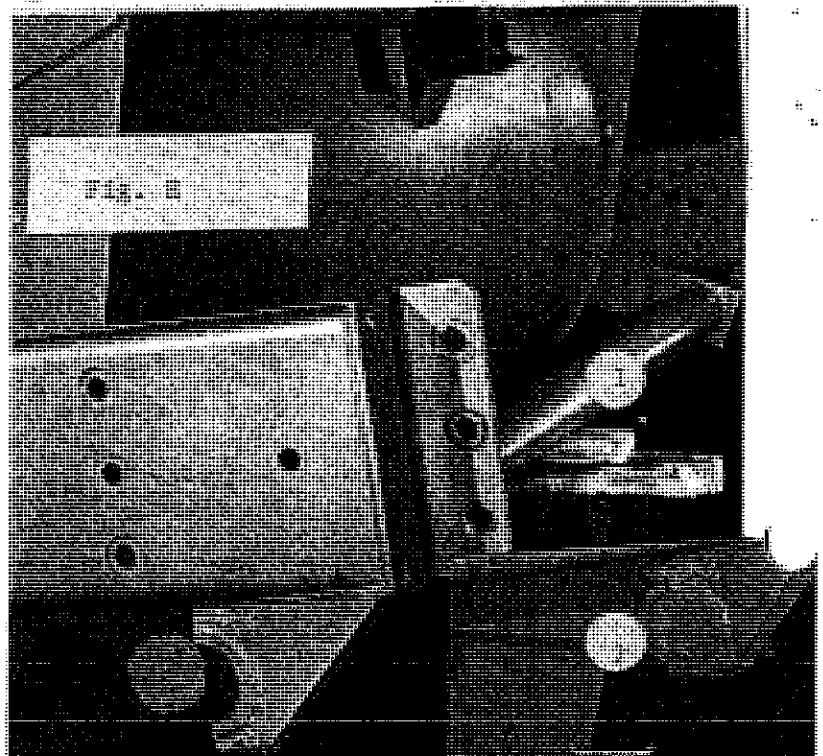




Figure F

- 1 - Rear Frame - 044064
- 2 - 3/4 X 5", Grade 5, Fine Thread Bolts - 059442
- 3 - 3/4 X 1-3/4, Grade 5, Fine Thread Bolts - 059416
- 4 - 3/4 Flange Lock Nut - 066525

- 1 - Attach rear frame (1) to siderails with 6 - 3/4 X 5" grade 5, fine thread bolts (2) and flange lock nuts at front, and 6 - 3/4 X 1-3/4" grade 5, fine thread bolts (3) and flange lock nuts at the rear.
- 2 - To avoid interference and to make it easier to tighten the siderail bolts, install them with the heads on the inside. If the top bolts at Point A are inserted first on both sides they will stabilize the rear frame and siderail connection so that the rest of the bolts can be more readily installed. Do not tighten these bolts at this time.
- 3 - Note that the welded beams on the rear frame are tilted slightly upward. If the rear frame is turned over and these beams slanted downward, it will be impossible to lower the cutting bit deep enough for proper loading.
- 4 - The rear spindles and hubs are factory assembled and lubricated. The four rear wheels and tires can be installed at this time.

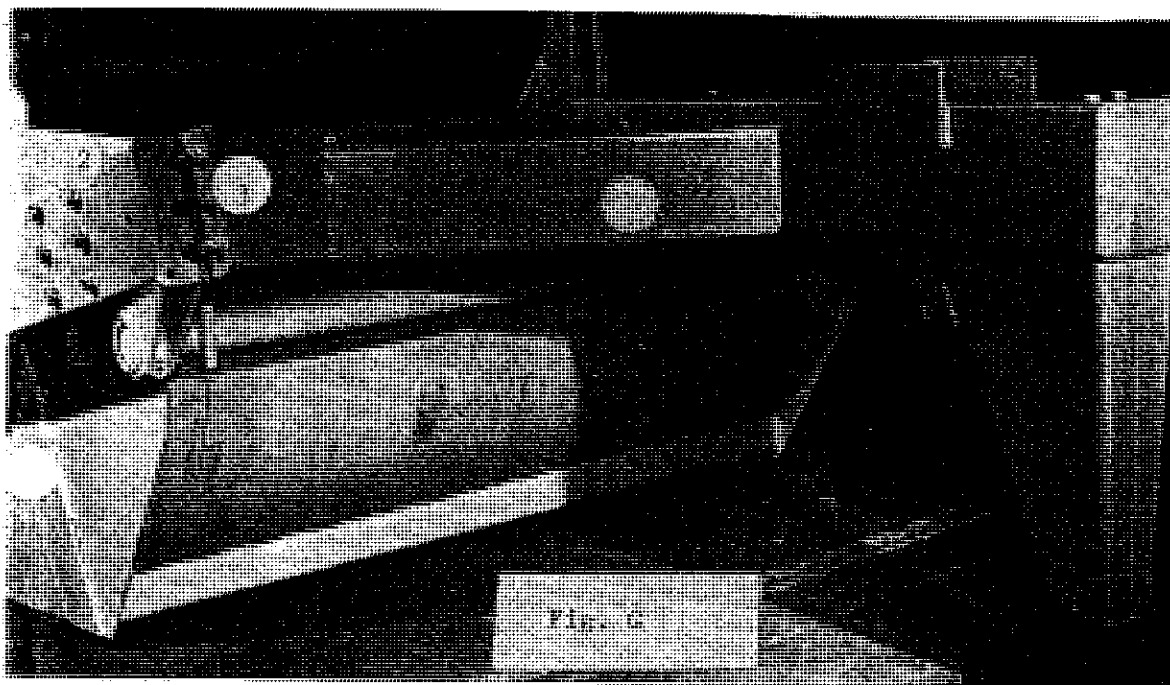


Figure G

- 1-Gooseneck, 043015
- 2-3/4X5", Grade 5, Fine Thread Bolts, 059442
- 3-3/4X1-3/4", Grade 5, Fine Thread Bolts, 059416

- 1 - Support front of gooseneck (1) on 8" block & install 12 - 3/4 X 5" bolts at (2) & 6 - 3/4 X 1-3/4" at (3). Do not thoroughly tighten all siderail bolts at this time.

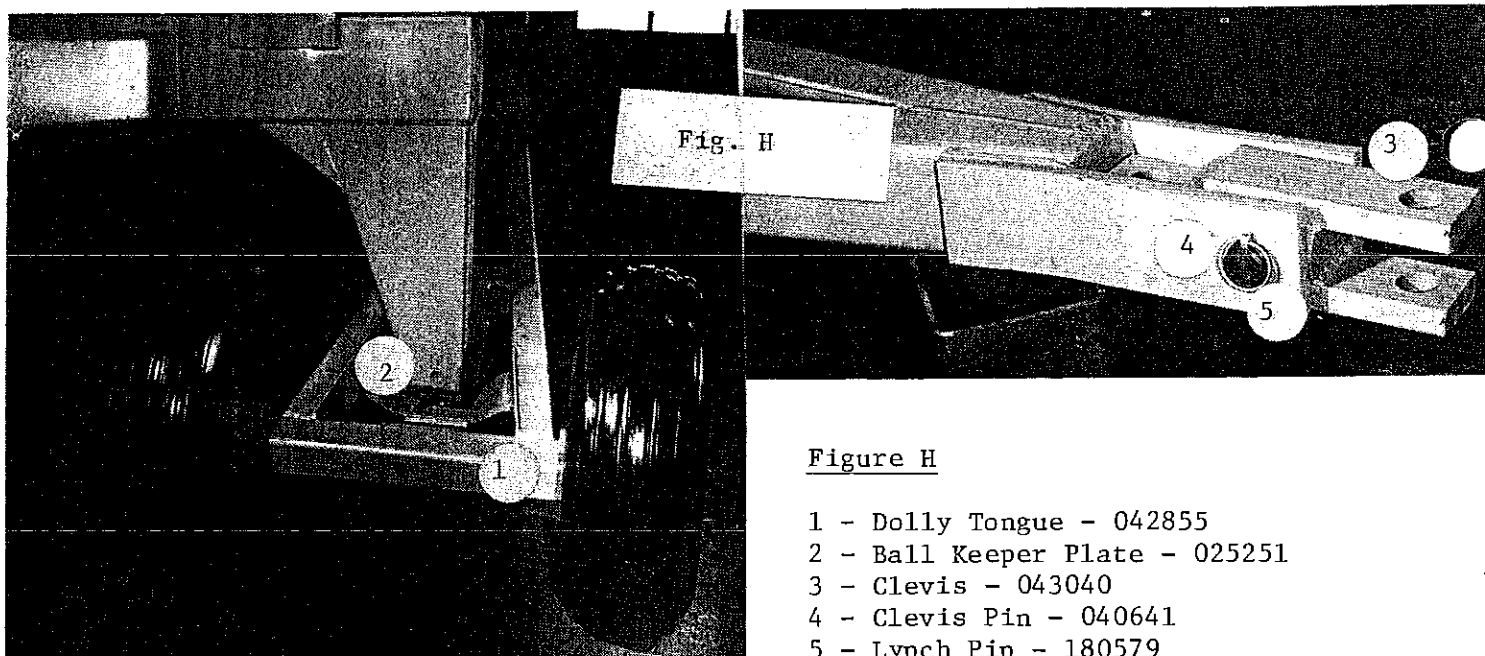


Figure H

- 1 - Dolly Tongue - 042855
- 2 - Ball Keeper Plate - 025251
- 3 - Clevis - 043040
- 4 - Clevis Pin - 040641
- 5 - Lynch Pin - 180579

- 1 - Connect gooseneck to welded ball on dolly tongue (1) with ball keeper plate (2) & 4 - 3/4 X 1-3/4" cap screws & lockwashers. Note that the opening in the keeper plate is to the rear. It will be necessary to rotate the tongue several times in order to tighten the cap screws in the keeper plate.
- 2 - The dolly hubs are factory assembled. The wheels & tires can be assembled at this time.
- 3 - Attach clevis (3) to tongue with clevis pin (4) and 2 - lynch pins (5). The clevis is designed to allow assembly on either yoke or hammer strap type drawbars.



Figure J

- 1 - Bucket Cylinder, 041110
- 2 - Cylinder Pin, 042969
- 3 - 1-1/4" Stop Nut, 066516
- 4 - 113-1/2" Hose, 041083
- 5 - 87-1/2" Hose, 041086
- 6 - 90° Swivel Fitting, 612028

- 1 - Assemble bucket cylinder (1) to siderail fitting with cylinder pin (2) and 1/4 X 2" cotter and 3/8 X 1-1/4 hex bolt, nut and lockwasher, and to lift pipe with 1-1/2" stop nut (3). Install zerks and lubricate.
- 2 - The hoses are attached to the cylinders with 90° swivel fittings. However, before assembling hoses, refer to the bucket cylinder hydraulic layout on page 11. The hoses must be assembled exactly as shown. If the lines are crossed, the lift pipe can be twisted permanently and damaged beyond repair.

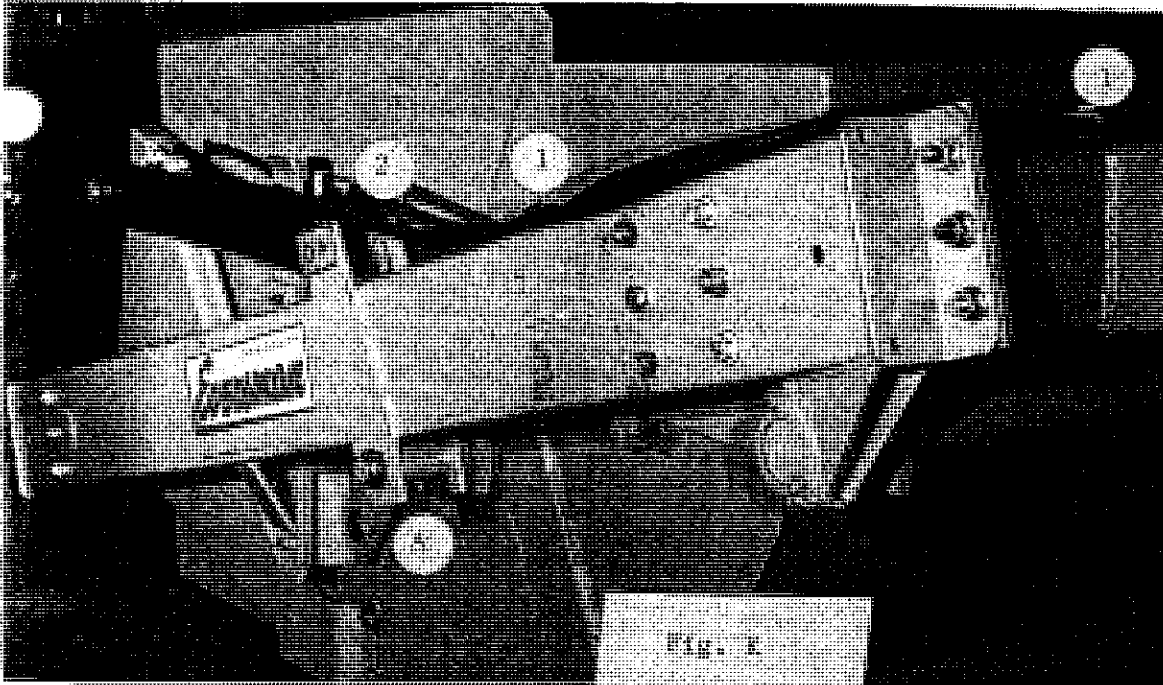


Figure K

- 1 - Pipe Clip
705800
- 2 - Hose Clamp
Tie - 041093

- 1 - Again referring to the layout on page 11, note that the hoses are held in place in 5 places with pipe clips (1) and 1/2 X 1-1/4" hex bolts and lockwashers.
- 2 - Use a hose clamp tie (2) to secure the hoses just ahead of the cylinder.

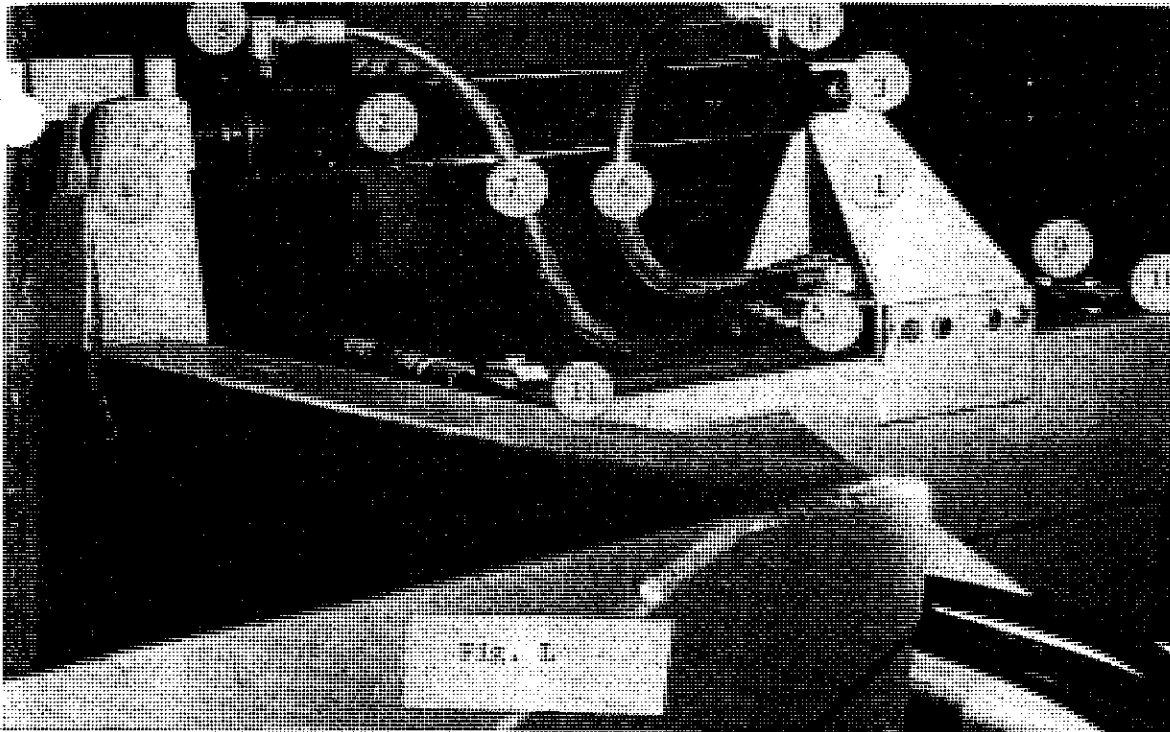


Figure L

- 1 - Cylinder Anchor
043039
- 2 - Gate Control
Cylinder, 041001
- 3 - Clevis Pin
701026
- 4 - Clevis Pin Weld-
ment, 044057
- 5 - Cushion Valve
609550
- 6 - 1/2 X 32" Hose
240349
- 7 - 1/2 X 42" Hose
041026
- 8 - 90° Swivel
612028
- 9 - Front Pipe Clamp
022240
- 10 - 120" Hose
041042
- 11 - 144" Hose
041039

- 1 - Refer to the layout on page 12 for details of the gate control hydraulics.
- 2 - Attach cylinder anchor (1) to gooseneck with 5/8 X 1-3/4 fine thread bolts and 5/8 flange lock nuts.
- 3 - Connect fixed end of cylinder (2) to anchor with clevis pin (3) and 1/4 X 2" cotter, and rod end to gate fitting with clevis pin weldment (4) and 1/4 X 2" Cotter.
- 4 - The cushion valve (5) is secured to gooseneck with 2 - 5/16 X 2-1/4 hex bolt, nuts and lockwashers.
- 5 - Attach hoses (6) and (7) to cushion valve and to 90° swivels (8).
- 6 - The 120" hoses (10) from the cushion valve and the 144" hoses from the bucket cylinders are held in place on the gooseneck with the pipe clamp (9) and 2 - 1/2 X 1-1/4 hex bolts and lockwashers.

ASSEMBLY INSTRUCTIONS (Cont'd)

Final Frame Assembly

Referring back to the detail assembly instructions, the bolts at the four corners of the siderails must now be thoroughly tightened as follows:

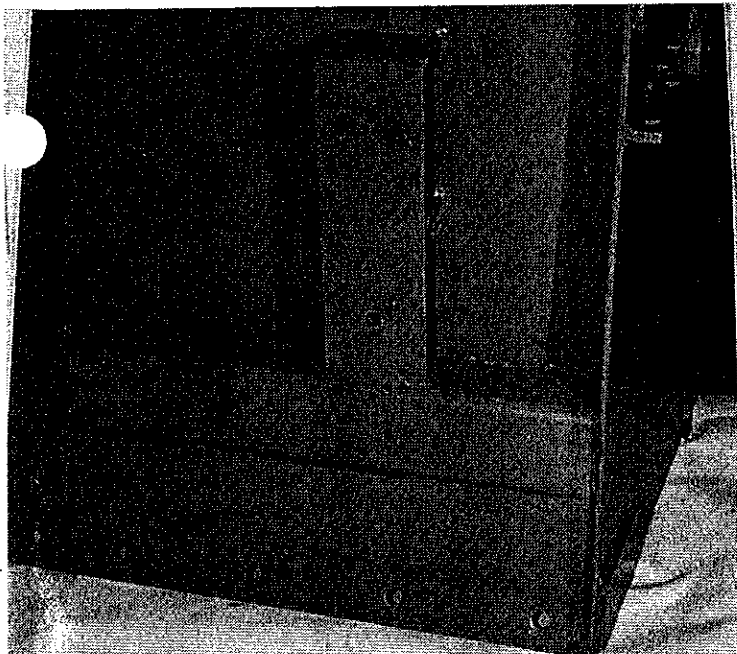
- 1) Bring up a tractor, attach tongue to tractor and connect hydraulic hoses to tractor.
- 2) Run the bucket through full cycle 3 or 4 times.
- 3) On a flat, level surface, distribute the scraper weight on the dolly tires, the cutting bit and the rear tires.
- 4) Now tighten the frame bolts progressively as you move around the scraper. If the bolts in one corner are completely tightened before moving to the next corner, it is possible to pull the frame out of line. Hence, tighten each bolt several turns and then move on to the next corner, continuing until all bolts are tight.
- 5) Then cycle the bucket several more times and retighten all bolts. After 10 hours of field operation, retighten all bolts.
- 6) Cycle gate control cylinder and check for any possible interference and if the gate lip closes evenly on the bucket bit.
- 7) After filling the scraper oil lines and cylinders, it will be necessary to check and refill the tractor reservoir.
- 8) In order to lift the 750 bucket with a full load, the tractor hydraulic system must develop at least 2000 PSI.
- 9) Check inflation of all six tires for 50 PSI.
- 10) See lubrication instructions on page 16 and be sure all zerks will take grease.
- 11) NOTE: The pivot pin locknuts on the inside of the bucket are frequently found to be loose during field operation. After final assembly of the scraper, it is recommended that the locknuts be carefully checked and thoroughly tightened with a long-handled wrench, preferably by someone working on the inside of the bucket. If necessary to retighten the nut several times during operation, replacement of the locknut may be required.

Hydraulic System



Caution: When hooking to or unhooking the hydraulic fittings from the tractor, shut off tractor engine before disconnecting couplers.

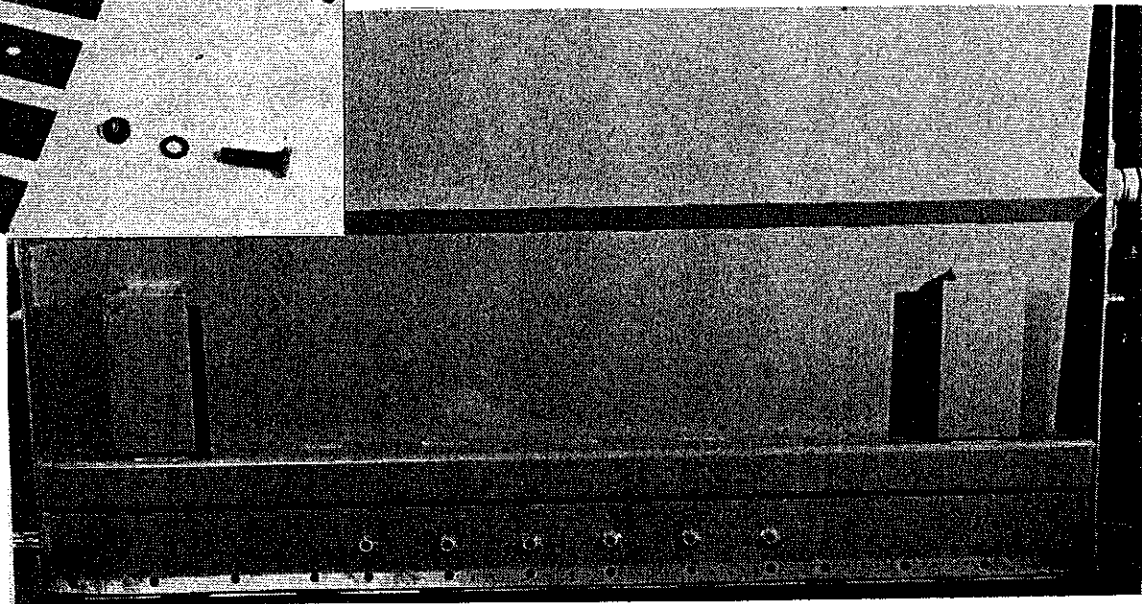
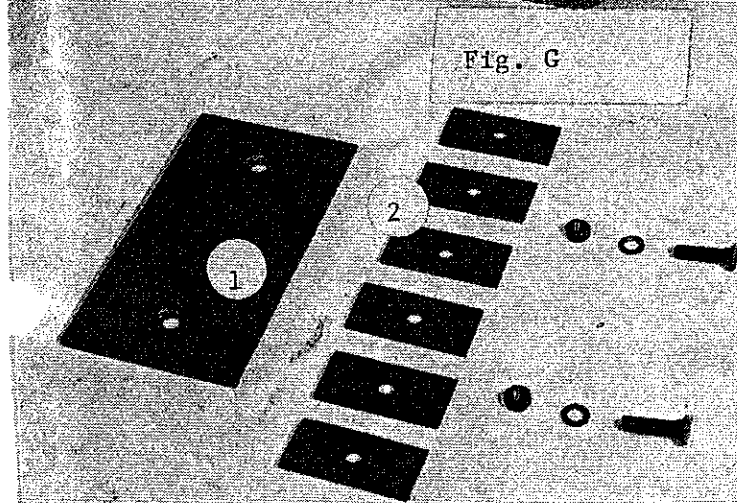
Frequently check system for possible leaks and repair if necessary.



Bucket Stabilizers

- 1 - Stabilizer Bar - 040013
- 2 - Spacer - 040015
- 3 - 1/2 X 2" Flaw Bolt - 059779

Fig. G

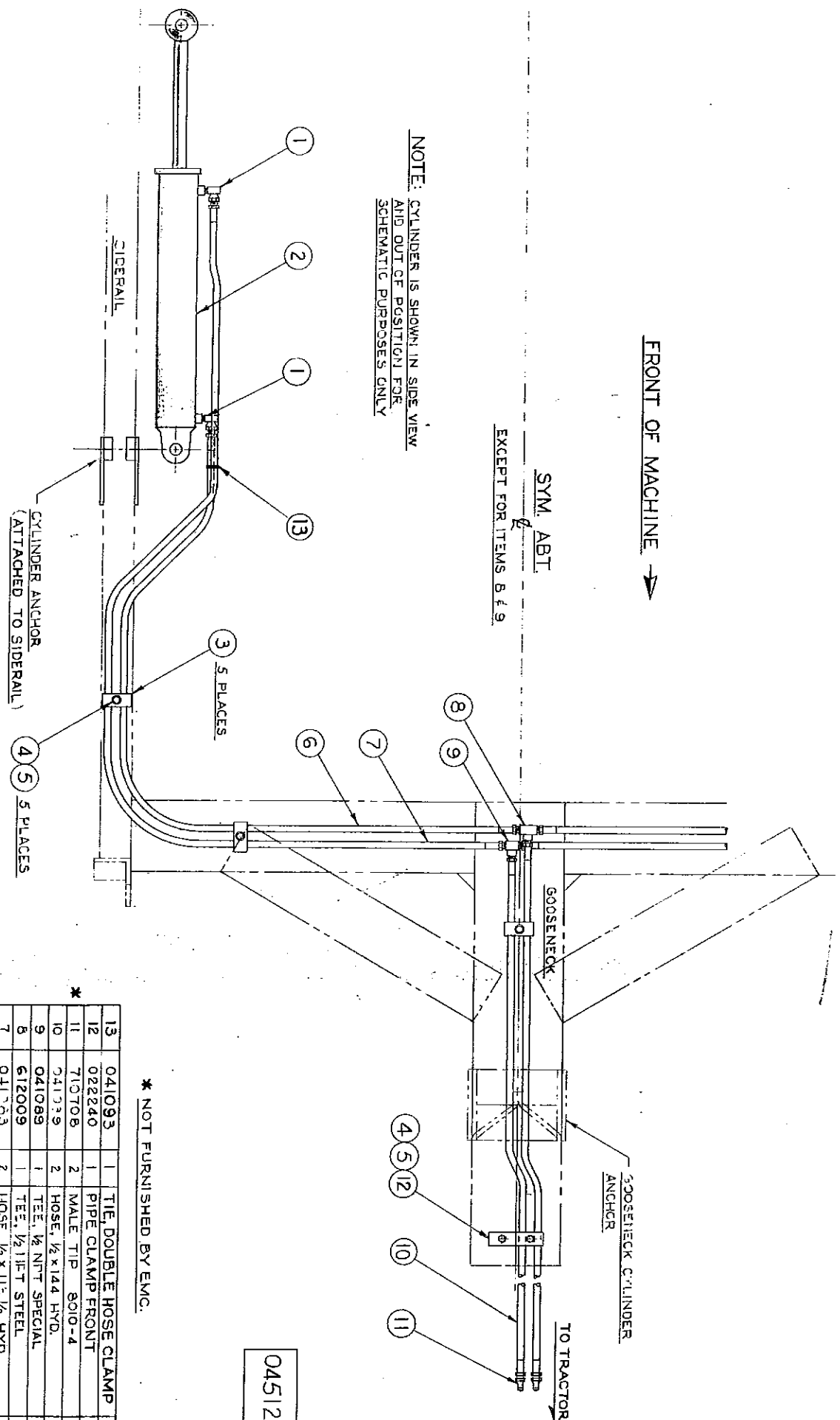


The bucket stabilizers are installed under the bucket, behind the cutting bit. These prevent side-to-side wobble during cutting. They should be set only low enough to accomplish a smooth cut - depending on soil conditions. If set too low, below the bottom of the bucket, they will limit the cutting ability of the bit. In heavy soils they should be set almost level with the cutting bit; in average soils, about 1" lower than the bit; and in loose or sandy soils, set them below the bit as required.

Install the spacers as necessary to obtain the best operation.

FRONT OF MACHINE →

NOTE: CYLINDER IS SHOWN IN SIDE VIEW AND OUT OF POSITION FOR SCHEMATIC PURPOSES ONLY



SYM. ABT. EXCEPT FOR ITEMS B & 9

* NOT FURNISHED BY EMC.

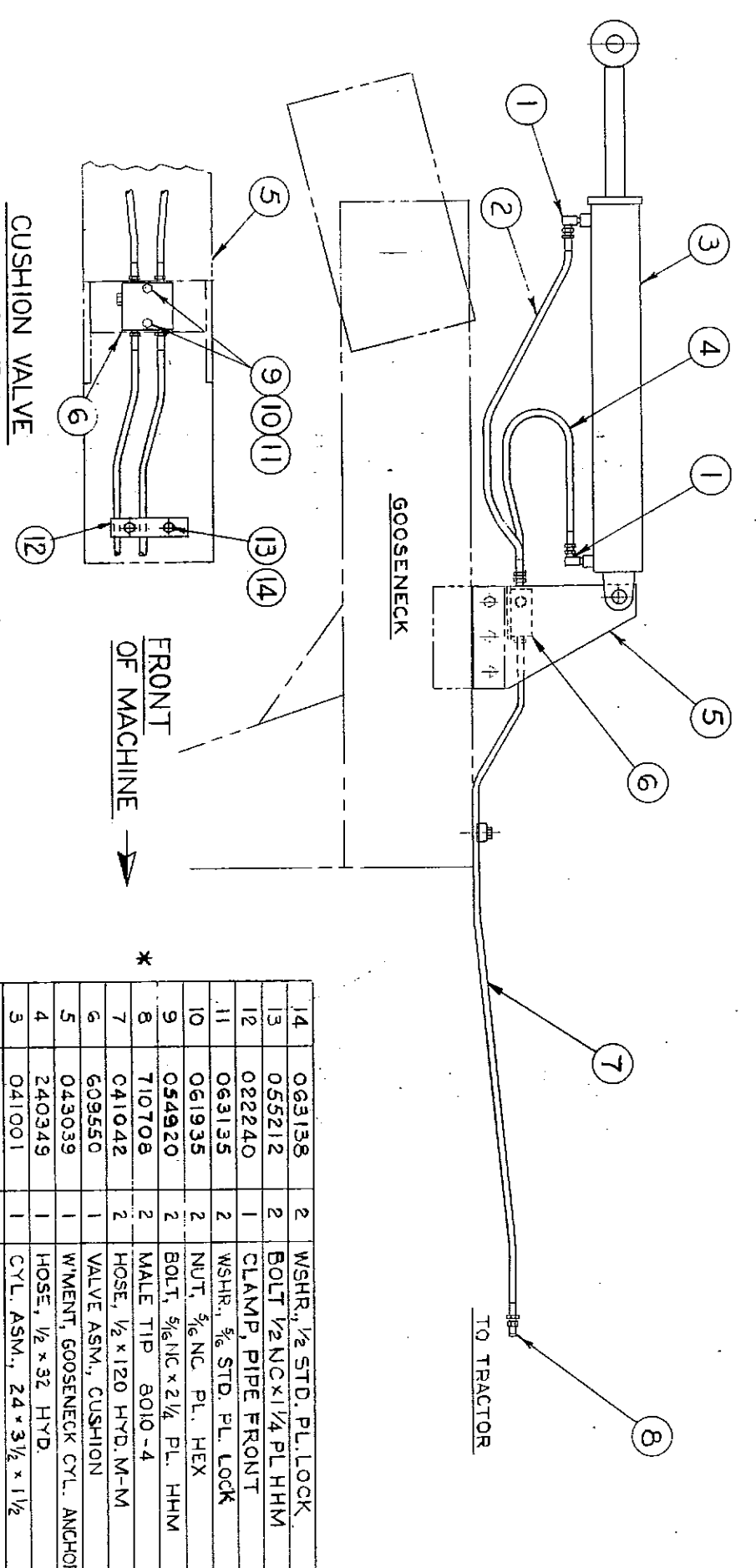
045126

REV.	DATE	BY	CHK	REV.	DATE	BY	CHK	REV.

ITEM	QTY	DESCRIPTION
1	1	TIE, DOUBLE HOSE CLAMP
2	1	PIPE CLAMP FRONT
3	2	MALE TIP 8010-4
4	1	TEE, 1/2 NPT SPECIAL
5	1	TEE, 1/2 NPT STEEL
6	2	HOSE, 1/2 x 11.5 1/2 HYD.
7	2	HOSE, 1/2 x 9.7 1/2 HYD.
8	2	WHP, 1/2 ST. FL. LOCK
9	7	BOLT, 1/2 NC x 1 1/4 FL. HHM
10	5	PIPE CLIP
11	2	CYL. ASSN. 24K4 x 1 1/2
12	4	FTG. 30 SWIVEL
13	1	GOOSENECK CYLINDER

THE EVERSMAN MFG. COMPANY DENVER, COLORADO

045126



* NOT FURNISHED BY EMC.

ITEM	QTY.	DESCRIPTION	REMARKS
1	2	WSHR., 1/2 STD. PL. LOCK	
2	2	BOLT 1/2 NC x 1/4 PL HHM	
3	1	CLAMP, PIPE FRONT	
4	2	WSHR., 3/8 STD. PL. LOCK	
5	2	NUT, 3/8 NC PL. HEX	
6	2	BOLT, 5/8 NC x 2 1/4 PL. HHM	
7	2	MALE TIP 8010-4	
8	2	HOSE, 1/2 x 120 HYD. M-M	
9	1	VALVE ASM., CUSHION	
10	1	W/MENT, GOOSENECK CYL. ANCHOR	
11	1	HOSE, 1/2 x 32 HYD.	
12	1	CYL. ASM., 24 x 3 1/2 x 1 1/2	
13	1	HOSE, 1/2 x 42 HYD.	
14	2	FTG., 1/2 NPT 90° SWIVEL M-F	

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REV.	REVISIONS	DATE	CHK.	EN

045125

REMARKS

THE EVERSMAN MFG. COMPANY
DENVER, COLORADO

MACHINE: SCRAPER

TITLE: LAYOUT, GATE CYL. HYDRAULICS

SCALE: 1/4" = 1" DATE: 5-28-60
 DWN. R.S.W. CHK. JHM APP. 7/29/61

MODEL: 750 DRAWING NO.: 045125

DWG. SITE: B

TOLERANCES, UNLESS NOTED:
 Fractional Dimensions ± 1/32,
 Stock Sizes Commercial Limits,
 Angles ± 1 Degree,
 Decimal Dimensions as Given,
 DO NOT SCALE DIMENSIONS.

OPERATING INSTRUCTIONS

The Eversman Scraper will work under a very wide variety of soil and moisture conditions, however, dirt moving is primarily a dry soil operation. If the soil sticks to the wheels and builds up excessively, it is too wet to work. Excessive slippage, unnecessary power consumption, and over compaction of the fill areas may result. Do not disk or plow the field since the greater traction on firm ground will make loading easier. If the center bit will not penetrate in extremely hard ground it may be necessary to rip the field.

The questions of top soil removal, proper finished grade and balancing out your cuts and fills can be answered by your local, state, or federal technicians if you are in doubt. If concerned about loss of production due to shallow top soil, it is possible to stock pile the top soil and then replace it after the field has been put to grade.

It does not require any special skill or training to operate the Eversman Scraper. However, a little experience plus good management can help get the job done more quickly. The TOTAL YARDS MOVED PER HOUR depends on: (1) having a definite planned program and following it; (2) the average load size; (3) the hauling distance; (4) the speed of operations (or total time per cycle); (5) the amount of lost time from interruptions, unnecessary stops, etc. It will pay in time and fuel saved to lay out a definite program before you start your project, especially on field leveling or terracing. Some suggestions on planning "cut-haul-fill" patterns are covered below under "Field Grading".

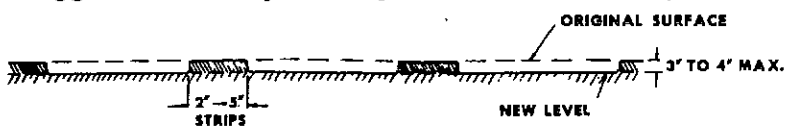


Fig.D



Fig.A

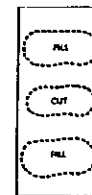


Fig.B

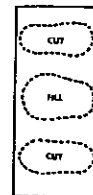


Fig.C

FIELD GRADING: It will pay to determine, before you start operations, the areas to be cut and filled, the depth of each cut and fill, and the best haul route pattern. It is cheaper to haul in two directions from the same cut if possible. There are, in general, three "cut-haul-fill" patterns, as noted above. Sometimes they can be combined at a definite saving. If you can work plan shown in Fig. B or C, rather than A, it will save travel and turning time. It may be possible to reduce empty travel time by combining several cuts, hauls and fills on the field in one overall or continuous circuit. Often it is profitable to pause and walk around the project to review your progress. Figure D shows an efficient method of working in a cut area.

LOADING: The size of your loads will depend on: (1) the tractor power and traction; (2) the soil conditions; and (3) your operating skill and procedure. Your average load size can usually be increased with practice. While the Eversman 750 can be heaped to a 7-yard capacity, in general, more yards per hour can be moved by taking the largest load you can pick up quickly, then hauling, unloading, and returning as fast as you can safely. Under some conditions (like loading sand) speed may help in heaping the load, while in others, power is more often a factor. Generally, it is preferable to make long, thin, smooth cuts and keep the tractor moving. As the rear tires enter the cut area, the cutting blade will be lowered so it will be necessary to adjust the bit height to maintain a smooth cut. It is better for succeeding loads to keep the cut area relatively smooth. Normally the best gear for loading is the highest gear in which the tractor will spin the wheels before stalling the engine. When possible, make the cut in the same direction as you haul to save time and avoid turning with a full load. Start to make your cut as you approach a slight ridge, or high spot. It requires power to take the dirt back and up in the bucket which can best be supplied by cutting into the ridge. For better penetration and easier, improved, controlled loading, assemble center bit ahead of side bits. For finishing work and smoother over-all cut, assemble all bits in line. Refer to page 3 for bit assembly.

OPERATING INSTRUCTIONS (Cont'd)

SPREADING AND DUMPING

One of the best features of the Eversman Scraper is the wide range of dumping and spreading which can be easily controlled from the tractor. From the hauling position, the bucket rotates swinging the cutting edge down and back through a minimum spread position and up to a full dump position. Since bucket can be stopped at any point, the thickness of the spread can be varied from approximately 3 to 12 inches by selective operation of the gate control cylinder. The amount of gate opening depends on the soil condition and in some conditions the load can be dumped without opening the gate.

All the load, even in damp sticky soils, should be emptied without difficulty since the bottom of the bucket rotates past vertical. To save time the bucket can be returned to the hauling position or slightly below while enroute back to the loading site.

As in the case of loading, it is preferable to spread in long, thin, smooth layers. If you dump the first load at the start of the area to be filled, then carrying following loads over the loose fill will firm it up for succeeding passes. Spreading will be smoother with the cutting bit assembled in line.

Some owners attempt to spread dirt with the cutting bit by backing up the scraper in full dump position. This practice can result in serious damage to the cylinder piston rods unless the tractor control valve is opened to return the scraper to transport position.

HAULING

If the field or work area is rough or the distance to haul is rather long, it will be worthwhile to make a smooth hauling lane and possibly a separate return path so you can haul and return in a high gear. Leave the gate closed and lower bucket to smooth the haul road. If the ground is loose, the gate can be used as a bull dozer to level the haul road.

FIELD FINISHING

After completing your dirt moving work, you still must finish your field by smoothing, especially the cut and fill areas. A few times over the field with an Eversman Land Smoother will wipe out the rough spots and surface irregularities.

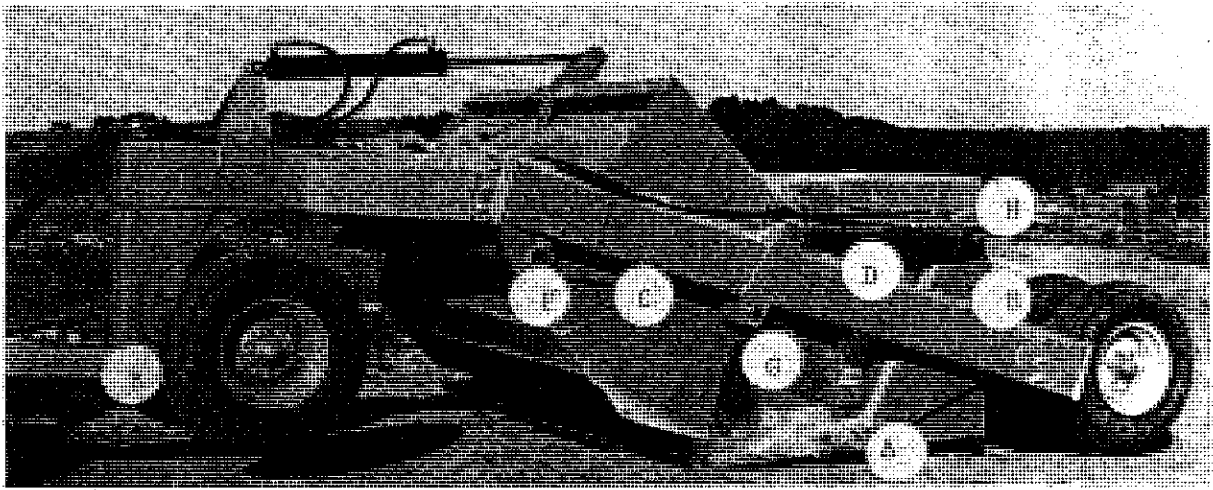
AFTER EXTENSIVE EARTH MOVING and land forming, you should consider the need to:

- (a) Use a subsoiler or pan breaker if moisture conditions and heavy traffic have caused excessive compaction;
- (b) apply proper fertilizer to the cut areas;
- (c) plant an annual crop the first season while permitting the fill areas to settle;
- (d) re-check the grades and correct any settlement by again leveling before planting a perennial crop;
- (e) maintain the correct surface (and produce a good seedbed) by always using a land smoother ahead of your seeder.

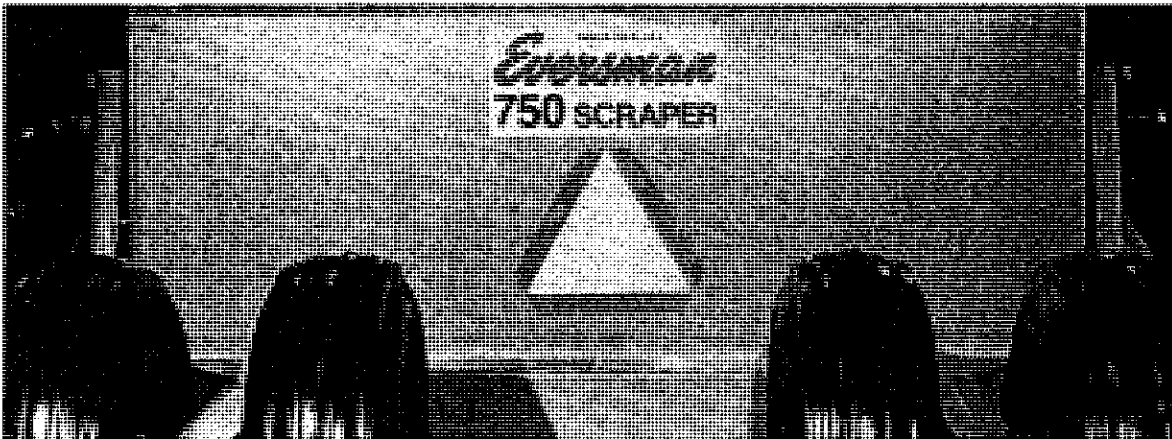
It takes time, money and effort to establish correct grades on your fields. Erosion and tillage operations cause surface irregularities. To protect your investment, keep the surface smooth and maintain correct grades by using an Eversman Plane or Land Leveler.

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LUBRICATION



- 1 - If zerks will not take grease, remove and clean out.
- 2 - Grease zerks daily during heavy usage at: bucket bearings (A); dolly ball (B); bail arm attachment to bucket (C) and at the control link attachment to the bucket (D).
- 3 - Grease weekly all wheel hubs; lift pipe (E); bail castings to siderail (F); control link to siderail (G) and cylinder attachment to lift pipe (H).

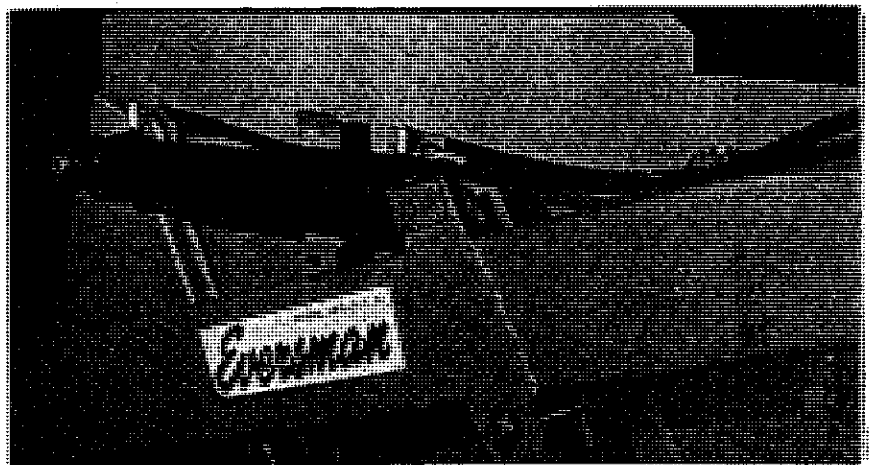


DECALS

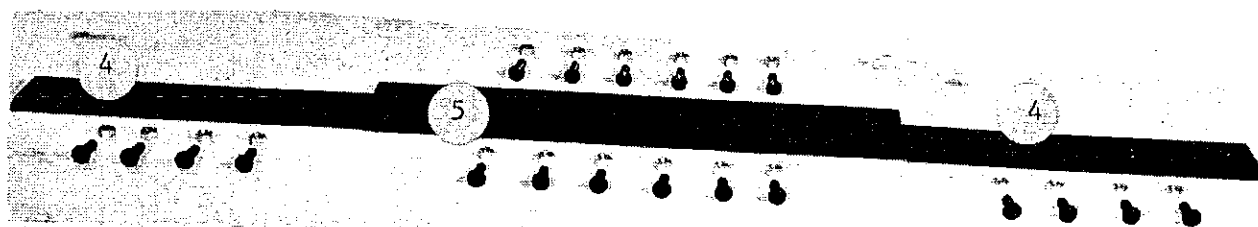
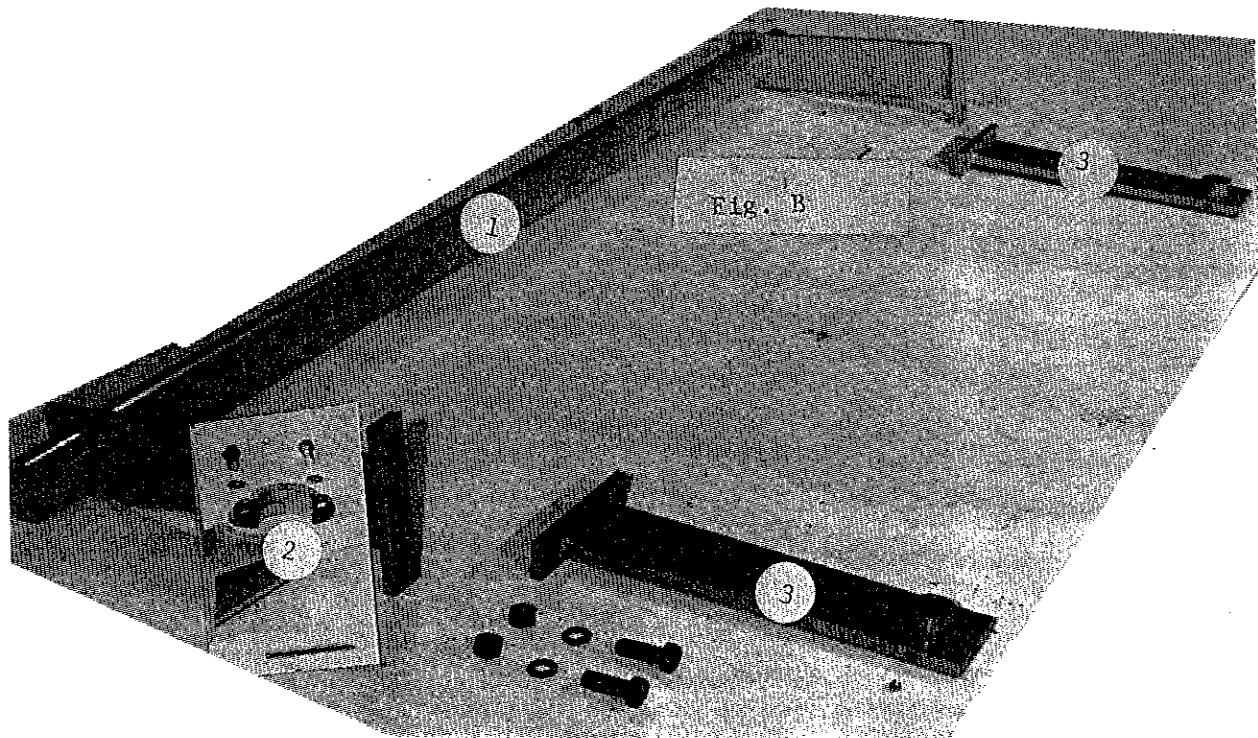
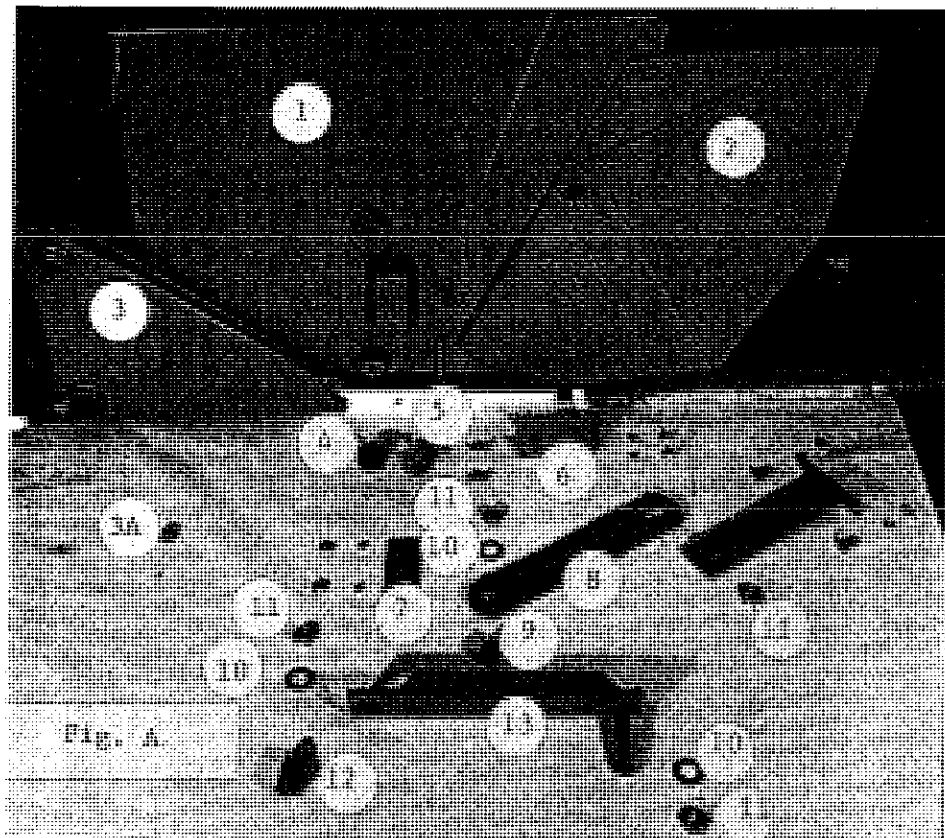
The decals are included in the shipping envelope with the Assembly and Operation Manual.

Wipe dust off siderails and place "EVERSMAN" decals directly under the bucket cylinders.

Center the SMV decal on rear of bucket directly under the "750" decal.



MODEL 750 SCRAPER - PARTS LIST



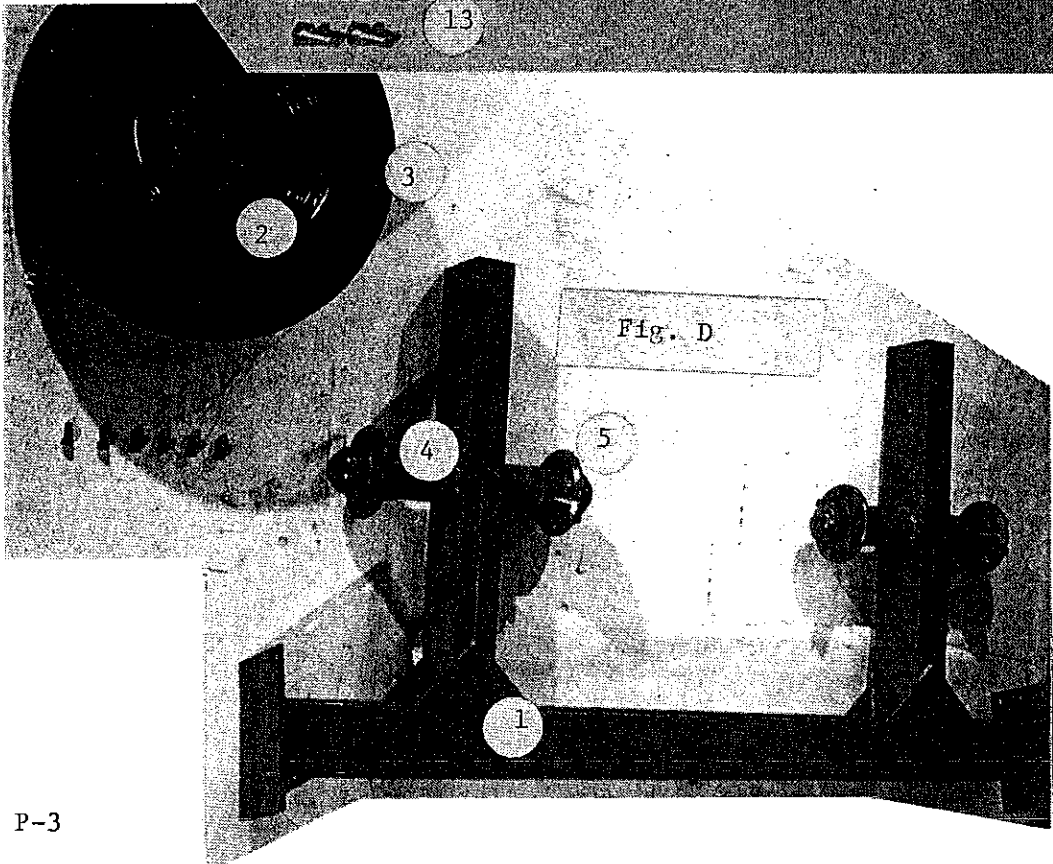
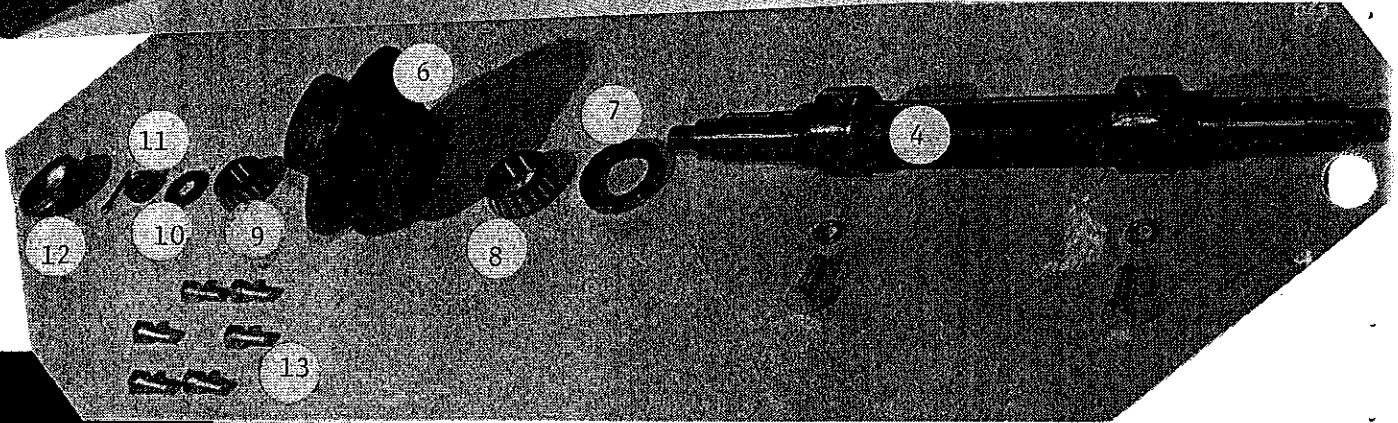
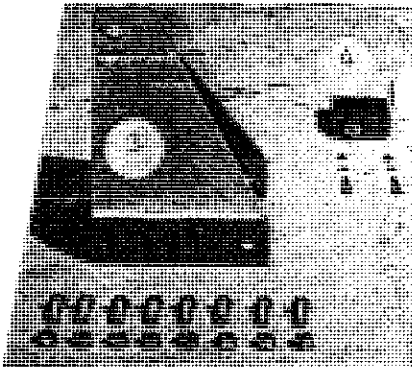
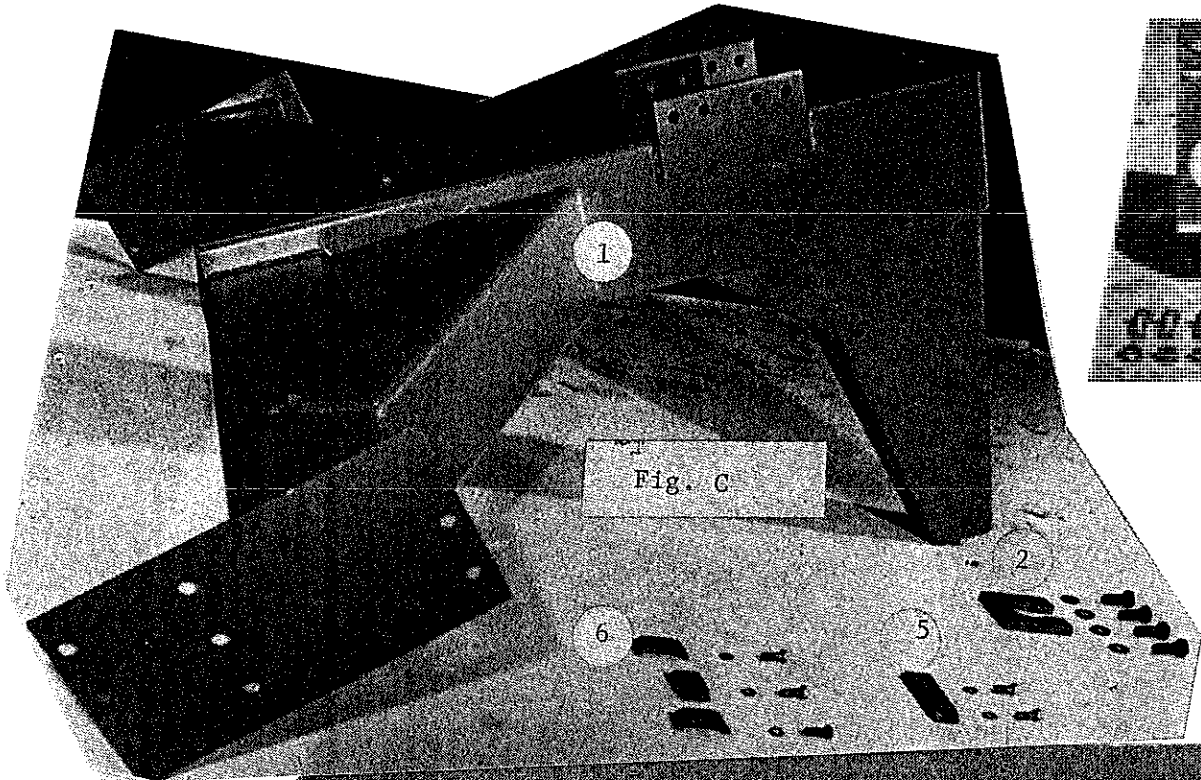
MODEL 750 SCRAPER - PARTS LIST (Cont'd)

Fig. No.	Ref. No.	Description	Part Number	No. Req.
A	1	Bucket	042885	1
	2	Gate	042851	1
	3	Lift Pipe	043020	1
	3A	1-1/4" Elastic Stop Nut	066516	2
	4	Bearing Insert	022050	2
	5	Bearing Cap (a)	041217	2
	-	5/8 X 2" Grade 5 Bolts & Lockwashers	057318	4
	6	Bucket Pivot Plate	042935	2
	-	1/2 X 1-1/4" Carriage Bolts & Lockwashers	051212	4
	7	Bucket Wear Plate	040028	2
		1/2 X 1-1/2" Plow Bolts & Lock Washers	059777	4
	8	Slotted Link	042868	2
	9	Slotted Link Pin	044058	2
10	1-1/2" SAE Flat Washer	063596	2	
11	1-1/2 Elastic Stop Nut	064596	2	
12	Rear Pivot Pin	043053	2	
13	Control Link Weldment	042896	2	

(a) If the casting welded to the lift pipe must be replaced, order bearing kit #041215 which consists of a matched machined casting and the cap.

B	1	Bail	042894	1
	2	Bearing Cap	043060	2
	-	5/8 X 2" Grade 5 Hex Bolts & Lockwashers	057318	4
	3	Bail Arm	042898	2
	-	3/4 X 2" Grade 5 Hex Bolt, Nut & Lockwasher	057418	4
	4	Side Bit, Reversible (5/8" X 6" X 22")	024693	2
	5	Center Bit (5/8" X 8" X 34")	024694	1
	-	5/8 X 2" Plow Bolt	059803	14
	-	5/8 X 3" Plow Bolt	059807	6
-	5/8" Lock Nut	066527	20	

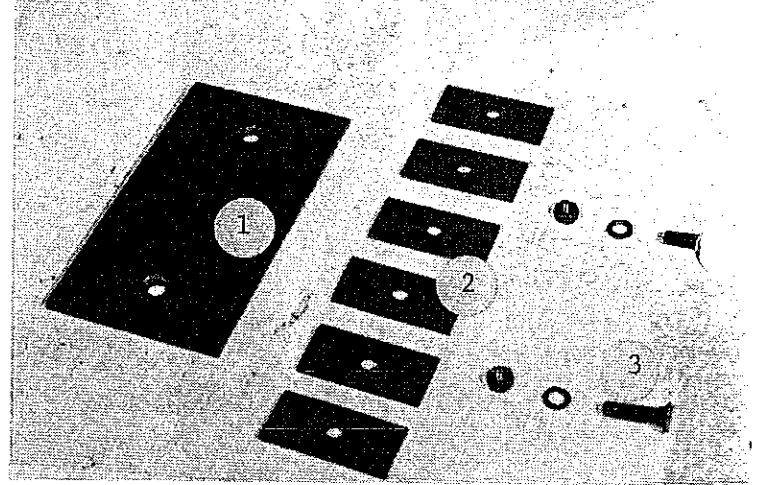
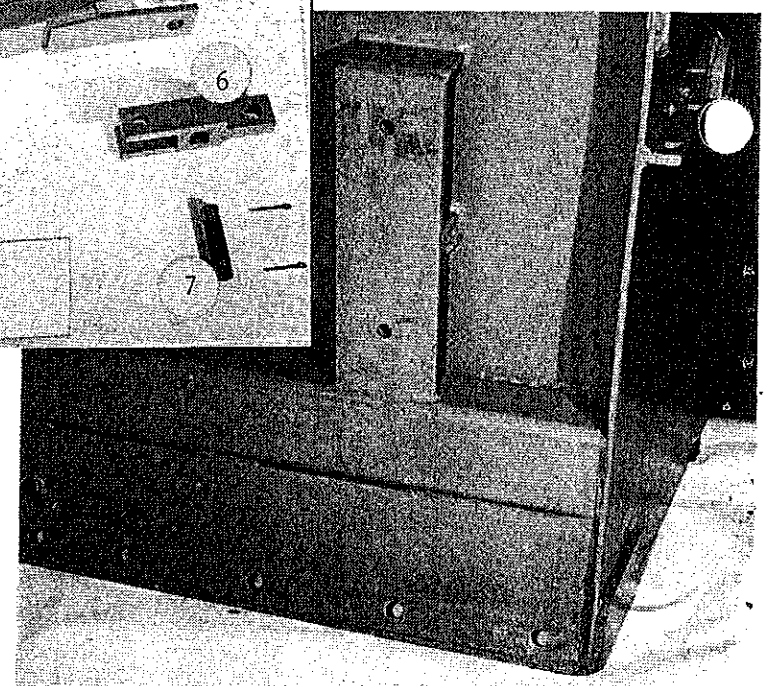
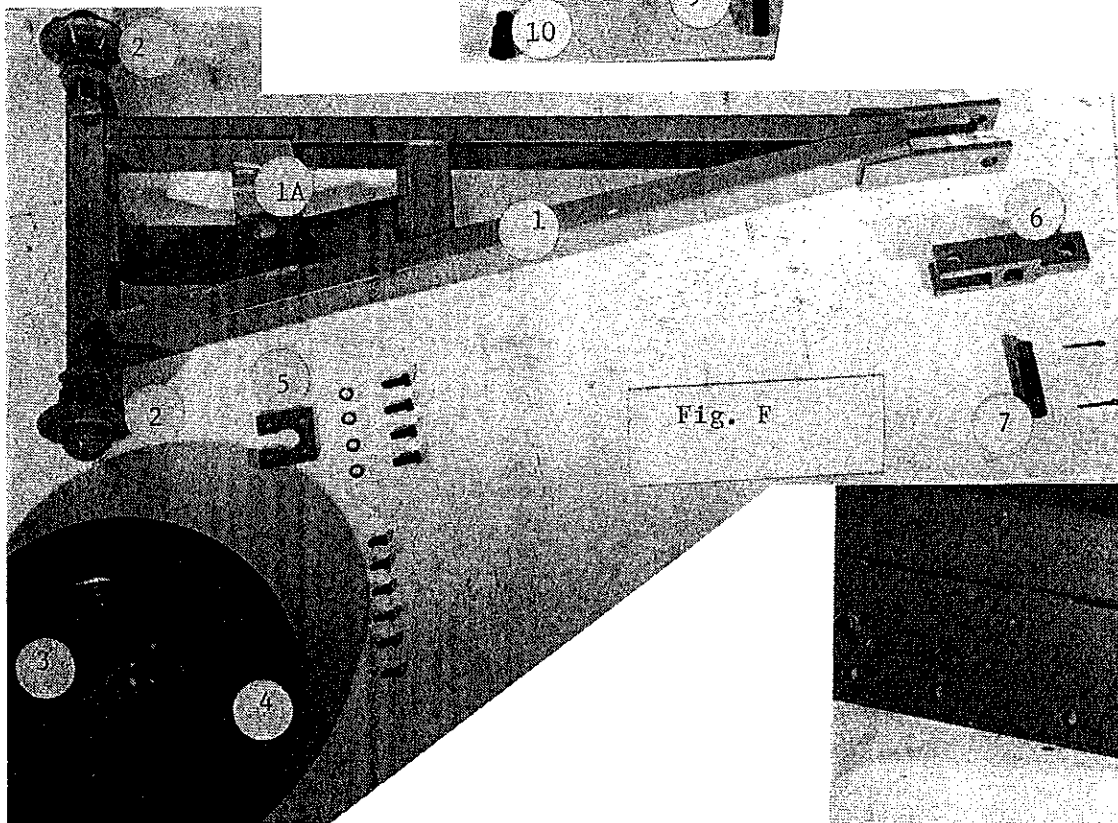
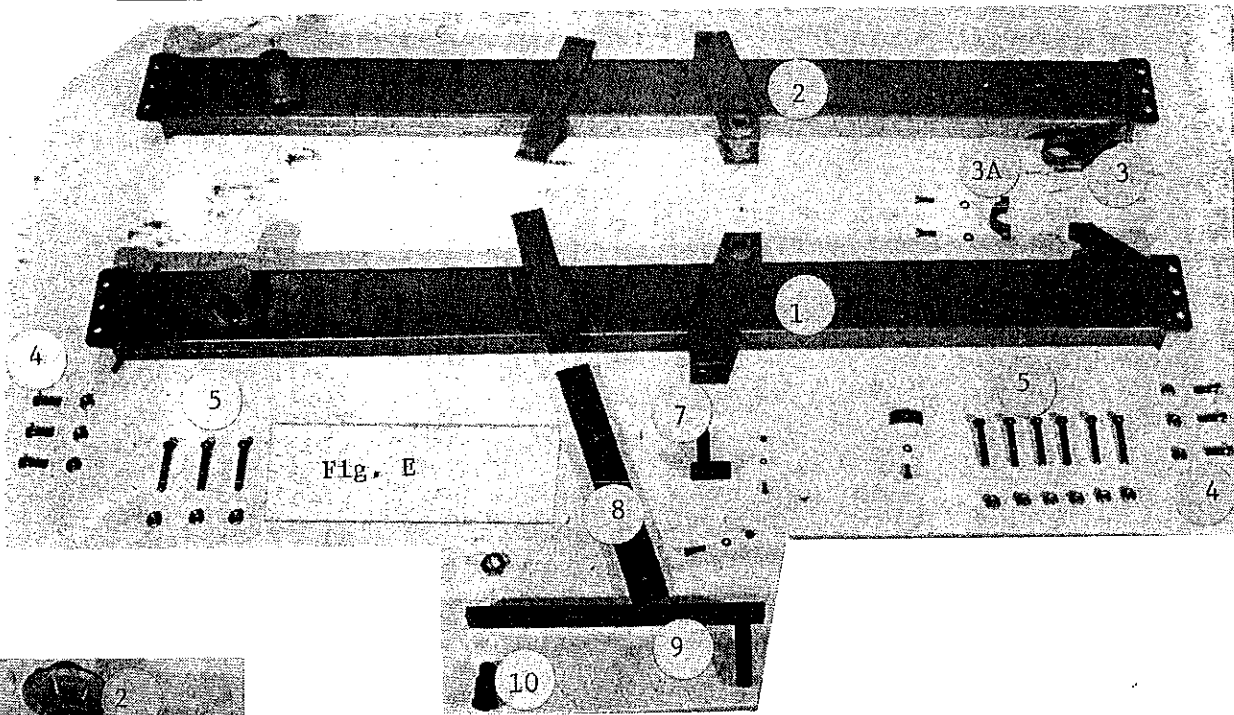
MODEL 750 SCRAPER - PARTS LIST (Cont'd)



MODEL 750 SCRAPER - PARTS LIST (Cont'd)

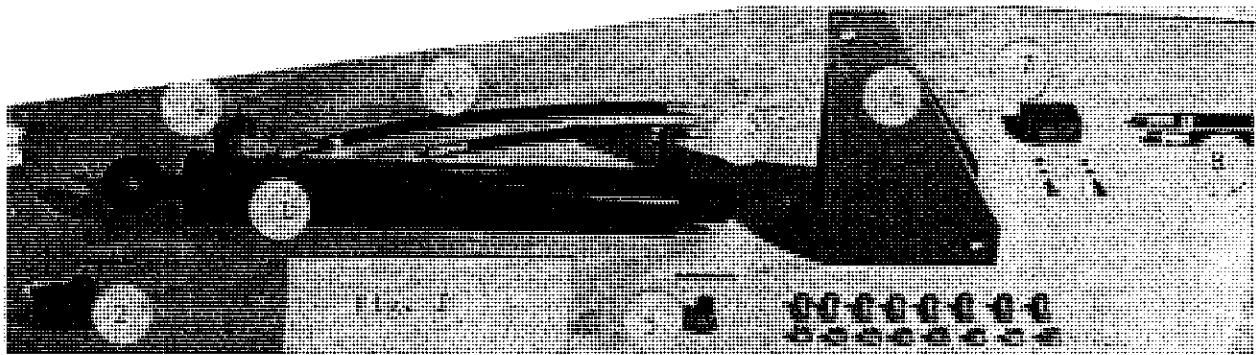
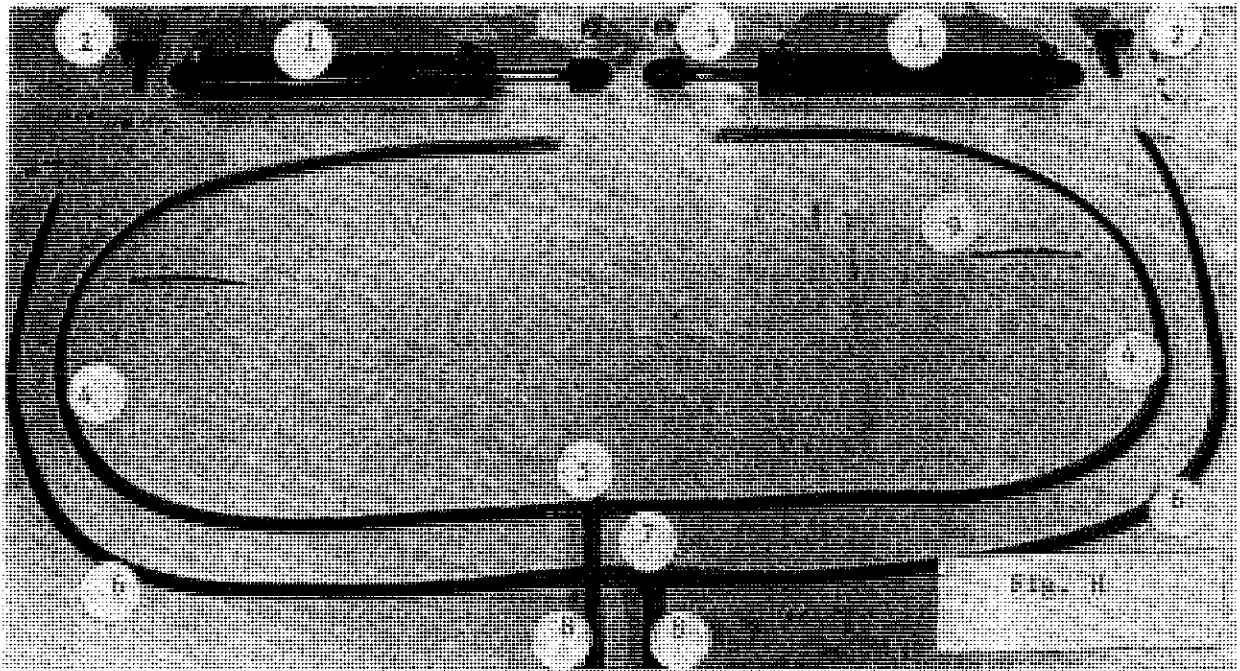
Fig. No.	Ref. No.	Description	Part Number	No. Req.
C	1	Gooseneck	043015	1
	2	Ball Keeper Plate	025251	1
	-	3/4 X 1-3/4" Grade 5 Bolt & Lockwasher	057416	4
	-	Ball Socket Replacement (welded in Gooseneck)	043043	1
	3	Cylinder Anchor	043039	1
	-	5/8 X 1-3/4" Grade 5 - Fine Thread Bolt	059316	8
	-	Flange Lock Nut - Fine Thread	066526	8
	4	Cushion Valve	609550	1
	-	5/16 X 2-1/4" Bolt, Nut & Lockwasher	054920	2
	5	Pipe Clip	022240	1
	-	1/2 X 1-1/4 Hex Bolt & Lockwasher	055212	2
	6	Pipe Clip	705800	5
	-	1/2 X 1-1/4 Hex Bolt & Lockwasher	055212	3
D	1	Rear Frame	044064	1
	2	15 X 8 Wheel	590410	4
	3	9.5L X 15, 8-Ply Tire (Optional)	590780	4
	4	Rear Spindle	040815	2
	-	5/8 X 1-1/4 Hex Bolt & Lockwasher	055312	4
	5	Hub Assembly, 6-Bolt	044115	4
	6	Hub Casting (Q817)	040820	4
	-	Inner Cup (25520)	040823	4
	-	Outer Cup (25821)	040825	4
	7	Seal	040832	4
	8	Inner Bearing Cone (25590)	040826	4
	9	Outer Bearing Cone (25877)	040828	4
	10	7/8 Flat Washer	030620	4
11	7/8 Slotted Nut	062567	4	
-	5/32 X 1-1/2 Cotter	063734	4	
12	Hub Cap	040831	4	
13	9/16 X 1-3/4 Wheel Bolt	007009	24	
-	Bearing Repair Kit	044116	-	

MODEL 750 SCRAPER PARTS LIST (Cont'd)



MODEL 750 SCRAPER-PARTS LIST (Cont'd)

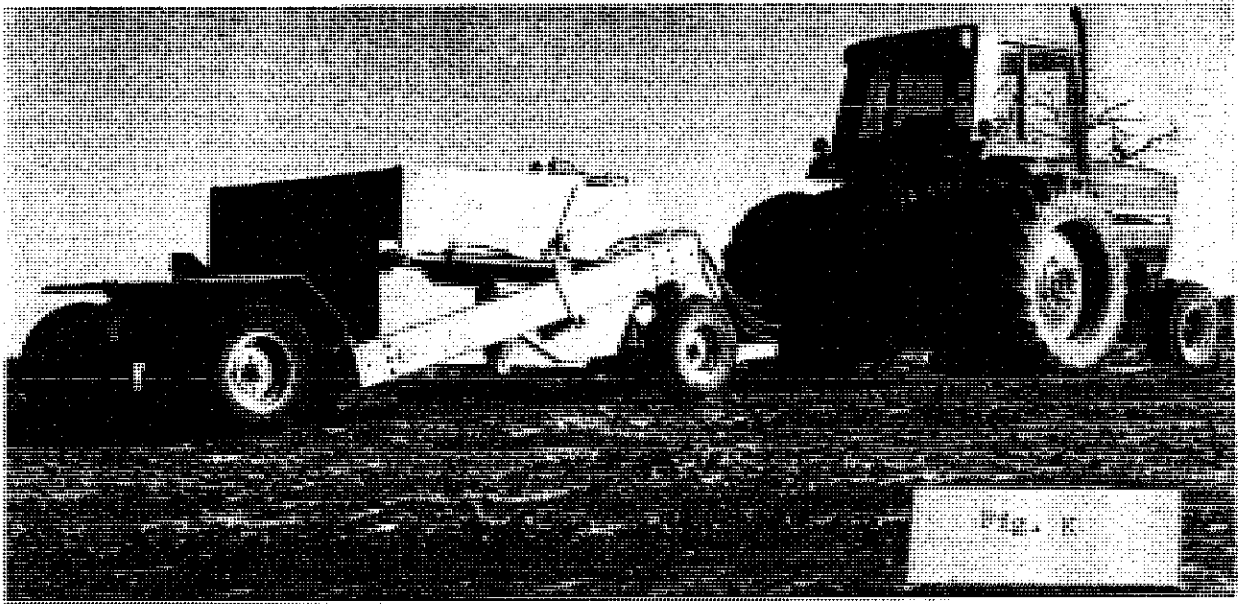
Fig. No.	Ref. No.	Description	Part Number	No. Req.
E	1	R.H. Siderail	042976	1
	2	L.H. Siderail	042975	1
	3	Bearing Assembly*	042869	2
	3A	Bearing Cap	043060	2
	4	3/4 X 1-3/4" Grade 5, Fine Thread Bolt	059416	12
	-	3/4 Flange Lock Nut, Fine Thread	066525	12
	5	3/4 X 5, Grade 5, Fine Thread, Flange Lock Nut	059442	18
	-	3/4 Flange Lock Nut, Fine Thread	066525	18
	7	Siderail Pin	042969	2
	-	3/8 X 1-1/4 Hex Bolt & Lockwasher	055012	2
	8	Siderail Wear Plate	040026	2
	-	1/2 X 1-1/2" Plow Bolt & Lockwasher	059777	4
	9	Control Link Weldment	042896	2
	10	Control Link Rear Pivot Pin	043053	2
	-	1-1/2" Elastic Stop Nut	064596	2
<p>*If the casting welded to the siderail must be replaced, order Bearing Assembly 042869, which includes the cap machined to fit.</p>				
F	1	Dolly Tongue	042855	1
	1A	Welded Hitch Ball Replacement	025400	-
	2	Hub Assembly, 6-Bolt (Q-817) (See page P-4)	044115	2
	-	Bearing Repair Kit	044116	-
	-	Welded Spindle Replacement, 2-1/4 X 10-3/32	040632	-
	3	Wheel - 15 X 8	590410	2
	-	Wheel Bolt	007009	12
	4	9.5L X 15, 8-Ply Tire (Optional)	590780	2
	5	Ball Keeper Plate	025251	1
	-	3/4 X 1-3/4" Grade 5 Bolt & Lockwasher	057416	4
	6	Clevis	041142	1
	7	Clevis Pin 1-1/2 X 6-1/4"	040641	1
	-	1/4" Lynch Pin	180579	2
G	1	Stabilizer Bar	040013	2
	2	Stabilizer Spacer	040015	12
	-	1/2 X 2 Plow Bolt & Lockwasher	059779	4



MODEL 750 SCRAPER - PARTS LIST (Cont'd)

Fig. No.	Ref. No.	Description	Part Number	No. Req.
H	1	Bucket Cylinder Assembly, 24" X 4 X 1-1/2 (See hydraulic system layout on page 11 and cylinder drawing on page P-11.)	041110	2
	2	Cylinder Pin	042969	2
	-	3/8 X 1-1/4 Hex Bolt, Nut and Lockwasher	055012	2
	3	1-1/4" Elastic Jam Nut	066516	2
	4	1/2" X 113-1/2" Hose	041083	2
	5	1/2" Special Tee	041089	1
	6	1/2 X 87-1/2" Hose	041086	2
	7	1/2" Tee	612009	1
	8	1/2 X 144" Hose	041039	2
	9	Hose Tie	041093	2
J	1	Gate Control Cylinder Assembly, 24" X 3-1/2 X 1-1/2 (See hydraulic system layout on page 12 and cylinder drawing on page P-12.)	041001	1
	2	Clevis Pin Weldment	044057	2
	-	1/4 X 2" Cotter Key	063764	2
	3	1/2 X 32" Hose	240349	1
	4	1/2 X 42" Hose	041026	1
	5	Clevis Pin	701026	2
	6	Cylinder Anchor	043039	1
		5/8 X 1-3/4 Fine Thread Bolts	059316	8
		5/8 Flange Lock Nuts	066526	8
	7	Cushion Valve	609550	1
	8	1/2 X 120" Hose	041042	2
	9	1/2 X 90° Swivel Fitting	612028	2
		Shipping Envelope	043047	1
		750 Scraper Decal	043046	1
		SMV Decal	600252	1
		Eversman Decal	022815	3
		Packing List	--	1
		750 Assembly & Operation Manual	--	1

MODEL 750 SCRAPER - OPTIONAL EQUIPMENT



FENDER KIT #041146

Fig. No.	Ref. No.	Description	Part Number	No. Req.
K	1	Fender Weldment	041133	2
	2	Angle Weldment	041130	2
	3	1/2, 4 X 6 U-Bolt	041126	2
	4	1/2, 6 X 6 U-Bolt	041127	4
	5	1/2 X 1-1/4" Hex Bolt	055212	4
	6	1/2" Flat Washer	063538	4
	7	1/2" Lockwasher	063138	16
	8	1/2" Hex Nut	061938	16