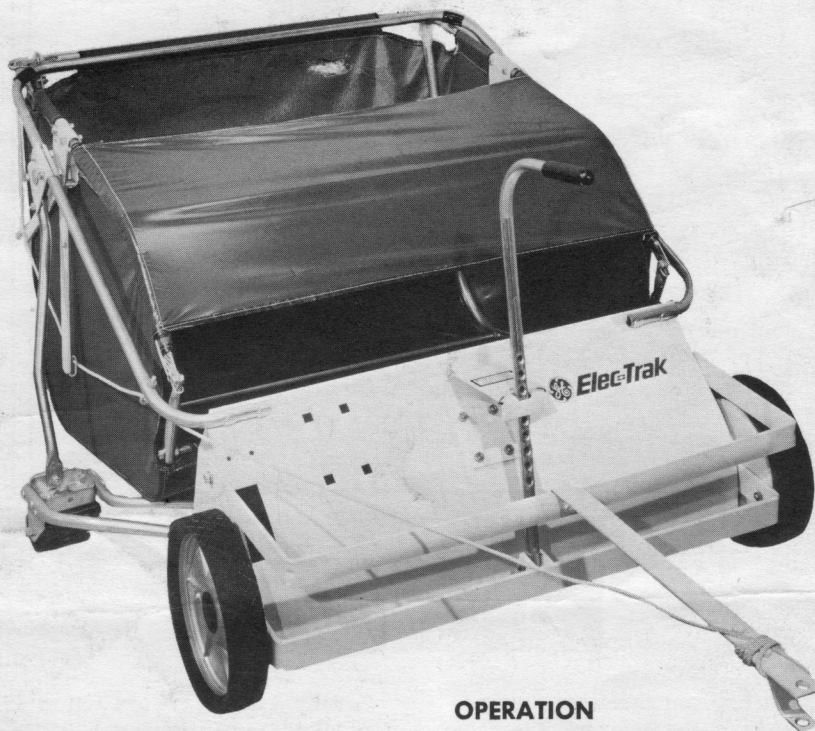




# **Electrak<sup>®</sup>** TRACTOR

## **TRAILER SWEEPER MODEL AS31 CONVERTIBLE TO ELECTRIC SWEEPER\***



### **DESCRIPTION**

You will find many work-saving uses for your lawnsweeper. Use it in early spring to give your lawn a good healthful scrubbing. Use it throughout the spring and summer both before and after mowing. Sweeping before mowing stands up grass for a clean, even cut — and protects your mower from sticks, stones, or nuts which might damage the blades of your mower. After mowing, your lawnsweeper will whisk away unsightly grass clippings — leaving your lawn velvety smooth.

Your new Trailer-Sweeper is precision manufactured by experienced craftsmen, using the finest in tools and materials. Although it is ruggedly constructed do not subject it to misuse. **CAUTION: DO NOT PULL YOUR UNIT TOO CLOSE TO FIRE** — the brushes and hamper will burn. Be sure to wipe off your unit after each use. Store in a dry place out of direct sunlight. Don't permit the sweeper to stand in the hot sun unless it is in actual use.

**\*REQUIRES KS31 SWEEPER CONVERSION KIT AND ELECTRIC MOTOR 211A3435G1**

### **OPERATION**

**1. BRUSH ADJUSTMENT:** Your new trailer-sweeper is equipped with a handy, "from the tractor seat," brush adjustment. To raise, push adjustment tube back and down until desired sweeping height is attained. To lower, push adjustment tube back and pull up to desired sweeping height. See Fig. 4. For best results, brush should merely flick tops of grass blades. Brushes should be raised when transporting to and from sweep area.

**2. SWEEPING SPEED:** For best results, the tractor should travel at a speed of 3 or 4 M.P.H.

**3. DUMPING:** Exclusive Flip-O-Matic rear dump action with Lift-Out Hamper feature. To dump merely pull on Nylon Rope until Hamper turns over dumping debris. Return hamper slowly to its original position by keeping pressure on rope.

**IN THE FALL:** Sweep **REGULARLY** when the leaves are dropping . . . don't wait until they're all down . . . you'll get better sweeping action if your lawn is cut short.

Made for

General Electric Company  
Outdoor Power Equipment Operation  
Corporations Park, Bldg. 702  
Schenectady, N. Y. 12305  
By Lambert Corporation

GENERAL  ELECTRIC

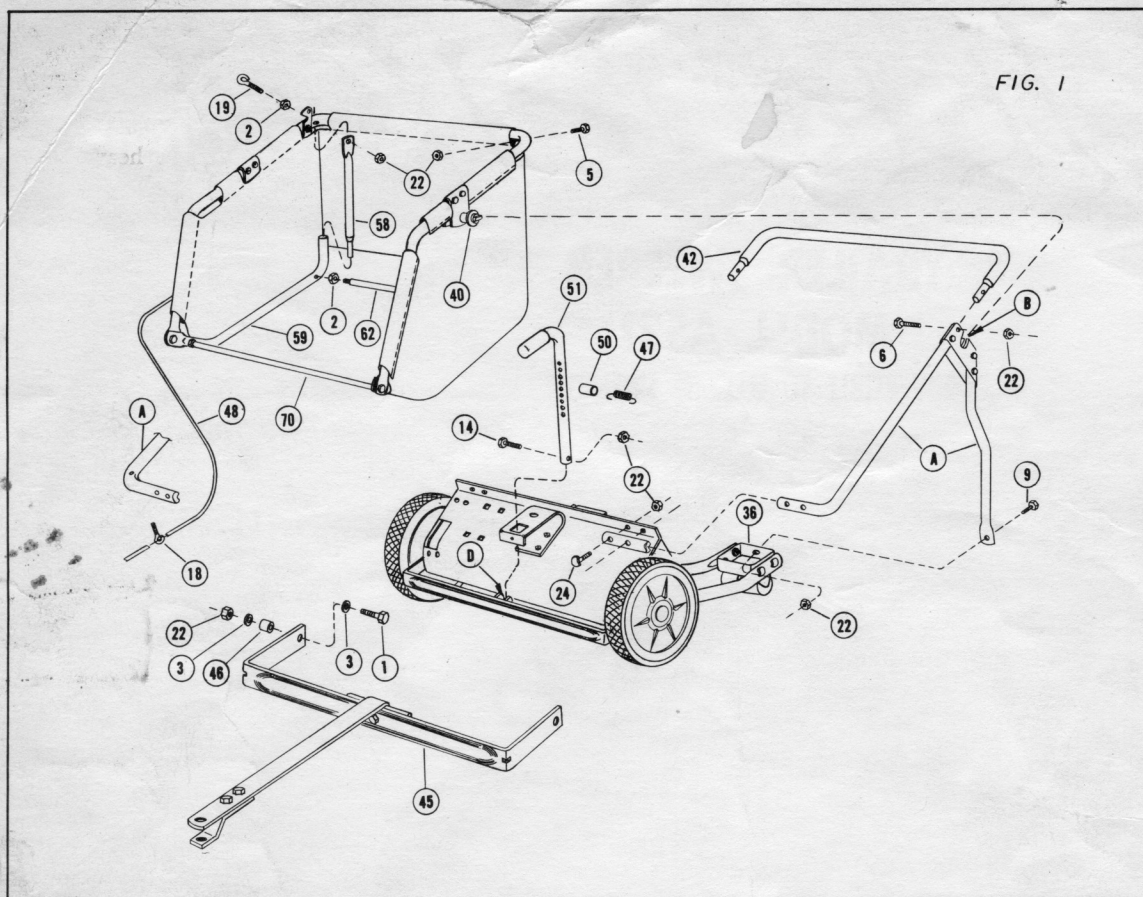


FIG. 1

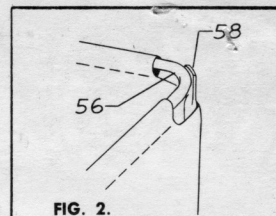


FIG. 2.

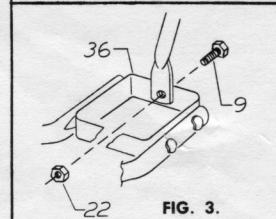


FIG. 3.

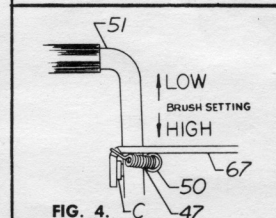


FIG. 4.

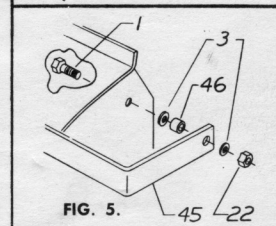


FIG. 5.

## Assembly

1. Be certain all sweeper parts, parts bag and literature are removed from carton. NOTE: Save the two triangle shaped wheel blocks, they can be used for winter storage. See Fig. 8.
2. All "right" and "left" directions are in reference to position behind sweeper.
3. Only two  $\frac{1}{2}$ " wrenches are required to assemble your new trailer-lawn sweeper. Lay all parts on a flat surface, have tools handy and follow these few simple instructions.
4. Install Pivot Support Assemblies (A) on Chassis using Bolts (24) and Nuts (22). Fasten Vertical Tube INSIDE Caster Plate (36) using Bolt (9) and Nut (22). See Figs. 1 and 3.
5. Install Pivot Brace Tube (42) in ends of Pivot Supports and secure with Bolt (6) and Nut (22). See Fig. 1.
6. To assemble hamper, insert Tie Rod (62) (found packed with hitch) in holes of Bottom Hamper Tubes (59). See Fig. 1. Do not tighten until Step 11.
7. Insert reduced ends of Support Tubes (58) in bottom Hamper Tubes (59). Make certain top ends of tubes (58) are outside Tube (56). See Fig. 2. Fasten top of left tube with Bolt (5) and Nut (22); use Eye Bolt (19) and Nuts (2, 22) at top of tube (58) on right side. See Fig. 1.
8. Hang Hamper (70) inside Pivot Frame by placing under Brace Tube (42) and sliding Pivot Pins (40) in slots (B). See Fig. 1.
9. Feed Dump Rope (48) through Eye Bolt (18) on right side Pivot Support Tube (A). See Fig. 1.
10. Check Hamper squareness. Front Tie Rod should run parallel with top edge of Chassis. Hamper sides should be equally spaced between Caster Plates. If adjustments are required, twist complete Hamper slightly. Rotate Hamper to dumping position and check for proper clearance throughout entire movement.
11. Tighten All Hamper Bolts: (A) Support Tube Connection, (B) Side and Bottom Hamper Tubes Connection, (C) Pivot Bracket Bolts, (D) Front Tie Rod Nuts, (E) Rear Tie Rod. (Tighten until Hamper is "taut," DO NOT OVER STRETCH.)
12. To install Adjustment Tube (51), push Spring (47) and Retainer Tube (50) to rear and force Adjustment Tube between Tube (50) and Lock Pin (C). See Fig. 4. Slide Tube down between Lugs (D) on Bumper and secure with Bolt (14) and Nut (22). See Fig. 1.
13. Remove Hex Nut (22) and one Washer (3) from both sides of Chassis and place ends of Hitch "U" Bar over Spacer (46). Place Washer (3) on Bolt (1) making sure Spacer enters hole of Hitch "U" Bar, secure with Nut (22). See Fig. 5.
14. Wind Apron: Lay Wind Apron over Hamper Assembly and attach Hooks (80) to front of Hamper. See Fig. A. Stretch cord and fasten rear Hooks to Pivot Brackets. See Fig. B.

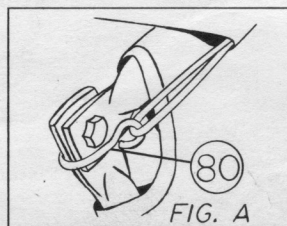


FIG. A

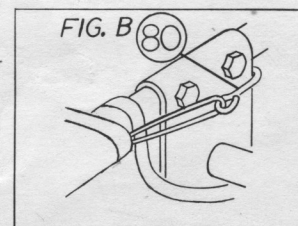
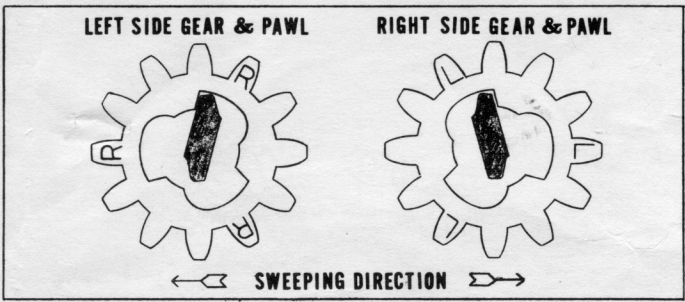


FIG. B

**LUBRICATION:**

1. Pinion and Wheel Gear: Remove wheel and apply grease to teeth on wheel and pinion gear (Lubriplate 130AA or equal). **CAUTION: DO NOT APPLY GREASE TO CENTER AREA OF PINION.**
2. Pin Pawl: Apply light oil to Pin Pawl. Heavy oil or grease causes pawl to hang up inside Pinion Gear.

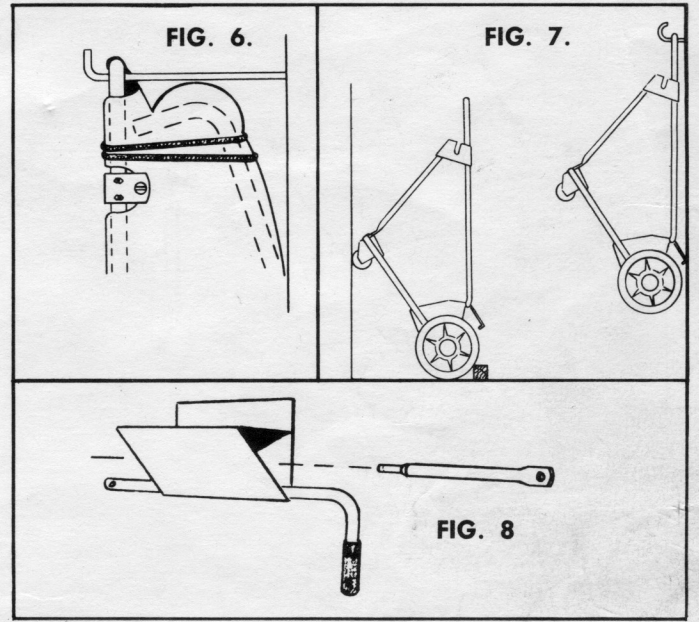


3. Bearings: Light oil, **NOT GREASE**, should be applied to brush axle once or twice a season.
4. Wheel Axle: Lubricate wheel axle once or twice a season.
5. Pivot Pins: An occasional drop of oil on Pivot Pins will prevent rust and insure free movement.

**STORAGE:**

1. Before storing unit for winter, clean it thoroughly.
2. Lubricate unit and wipe metal parts with oily rag.
3. Remove Support Tubes, fold bottom Hamper Tubes and wrap Dump Rope around Hamper and secure for compact storage. Hang folded Hamper from hooks on wall. See Fig. 6.

4. Remove Brush Adjustment Tube (51).
5. Remove Hitch Assembly. Lean or hang complete assembly on wall.
6. Block sweeper wheels and lean unit against wall or hang complete Chassis and Frame Assembly on heavy hooks. See Fig. 7.
7. Store Adjustment Tube and Support Tubes in wheel blocks nailed to storage area wall. See Fig. 8.
8. **IMPORTANT:** Store unit in a safe, protected, clean dry area.



**PARTS LIST**

When ordering parts always list Part No. and name of Part. Parts available only through Authorized Dealers.  
 (Specifications subject to change without notice.)

KEY	PART NO.	QTY.	DESCRIPTION
1	L-59	6	5/16-18 x 3/4 Hex Cap Screw
2	L-60	5	5/16-18 Hex Nut
3	L-99	7	5/16" S.A.E. Flat Washer
4	L-64A	6	1/2" S.A.E. Flat Washer
5	L-80	5	5/16-18 x 1 Hex Cap Screw
6	L-81	13	5/16-18 x 1 1/4 Hex Cap Screw
7	L-127	1	5/16-18 x 1 1/2 Hex Cap Screw
8	L-262	4	3/8" E-Type Ret. Ring
9	L-279	8	5/16-18 x 1/2 Hex Cap Screw
10	X-1258	2	1/2-13 x 1 1/4 Hex Cap Screw
11	L-303	3	1/4-20 Lock Nut
12	L-5486M	2	3/8-24 Lock Nut (Spec.)
13	L-5552	1	5/16-18 Pilot Nut (Spec.)
14	X-1027	1	5/16-18 x 1 3/4 Hex Cap Screw
15	X-1042	4	5/16-18 x 5/8 Carr. Bolt (Spec.)
16	X-1043	12	Brush Holder Spring
17	X-1127	2	3/8-24 Lock Nut
18	X-1234	1	1/4-20 x 1 Eye Bolt
19	X-1235	1	5/16-18 x 2 3/4 Eye Bolt
20	X-1293	2	Caster Stud
21	X-1353	2	1/2-13 Lock Nut
22	X-1107	53	5/16-18 Lock Nut
23	X-1358	4	5/16-18 x 1 1/4 Tube Bolt
24	X-1359	8	5/16-18 x 1 Tube Bolt
25	X-2020	2	1/4-20 x 1 Hex Cap Screw
26	L-5471B	2	Hub Cap
27	L-5497A	2	Freeway Bearing
28	L-5750A	2	Die Cast Wheel Assembly
29	L-5753H	2	Pinion Gear
30	L-5761H	2	Pinion Pawl
31	1-1640	2	Caster Bracket
32	1-1179	1	Brush Stud Axle
33	1-1633	2	Caster Roller
34	1-1421	3	Brush Strip
35	1-1637	2	10 x 2.25 Tire
36	1A-1638	2	Caster Plate Assembly
37	1-1428	2	Wheel Shield
38	1-1429	4	Frame Pivot Bracket
39	1-1430	2	Pivot Bracket
40	1-1443	2	Pivot Pin
41	1-1444	2	Wheel Stud

KEY	PART NO.	QTY.	DESCRIPTION
42	1-1454	1	Pivot Stand Tube
43	1-1455	1	Hamper Tie Rod
44	L-288	1	Oiler
45	1-1817	2	"U" Bar
46	1-1458	2	Spacer (Axle)
46	1-1526	2	Spacer (Hitch)
47	1-1465	1	Adjustment Spring
48	1-1467	1	Dump Rope
49	1A-1782	1	Hitch Tongue
50	1-1474	1	Retainer Tube
51	1-1479	1	Adjustment Tube
52	1-1601	2	Pivot Stand Brace
53	1-1825	2	Pivot Stand Brace
54	1-1488	1	Pivot Stand Tube R.
55	1-1489	1	Pivot Stand Tube L.
56	1-1493	1	Top Hamper Tube
57	1-1495	2	Side Hamper Tube
58	1-1496	2	Hamper Tube
59	1-1497	2	Bottom Tube
60	1-1602	1	Pivot Support R.
60	1-1603	1	Pivot Support L.
61	1-1770	1	Stiffener
62	1-1519	1	Rear Hamper Rod
63	1-1522B	1	Handle Grip
64	1A-1780	1	Bumper Assembly
65	1A-1484	1	Bracket Assembly
66	1A-1440	2	Lever Assembly
67	1A-1823	1	Adjustment Bracket
68	1A-1419	1	Brush Axle Assembly
69	1A-1791	1	Shield Assembly
70	1A-1818	1	Hamper Assembly
71	1-1537	1	Hamper Latch
72	1-1538	1	Latch Spring
73	1-1604	2	Rubber Sleeve
74	1A-1408	1	Drive Sprocket Assembly
75	X-1126	2	3/8-24 Hex Nut
76	X-1070	2	3/8" Lock Washer
77	1-1553	1	Hitch Pin Bracket
78	1A-1562	1	Wind Apron
79	1A-1605	2	Stretch Cord
80	X-1361	4	Cord Hook

# Drawing

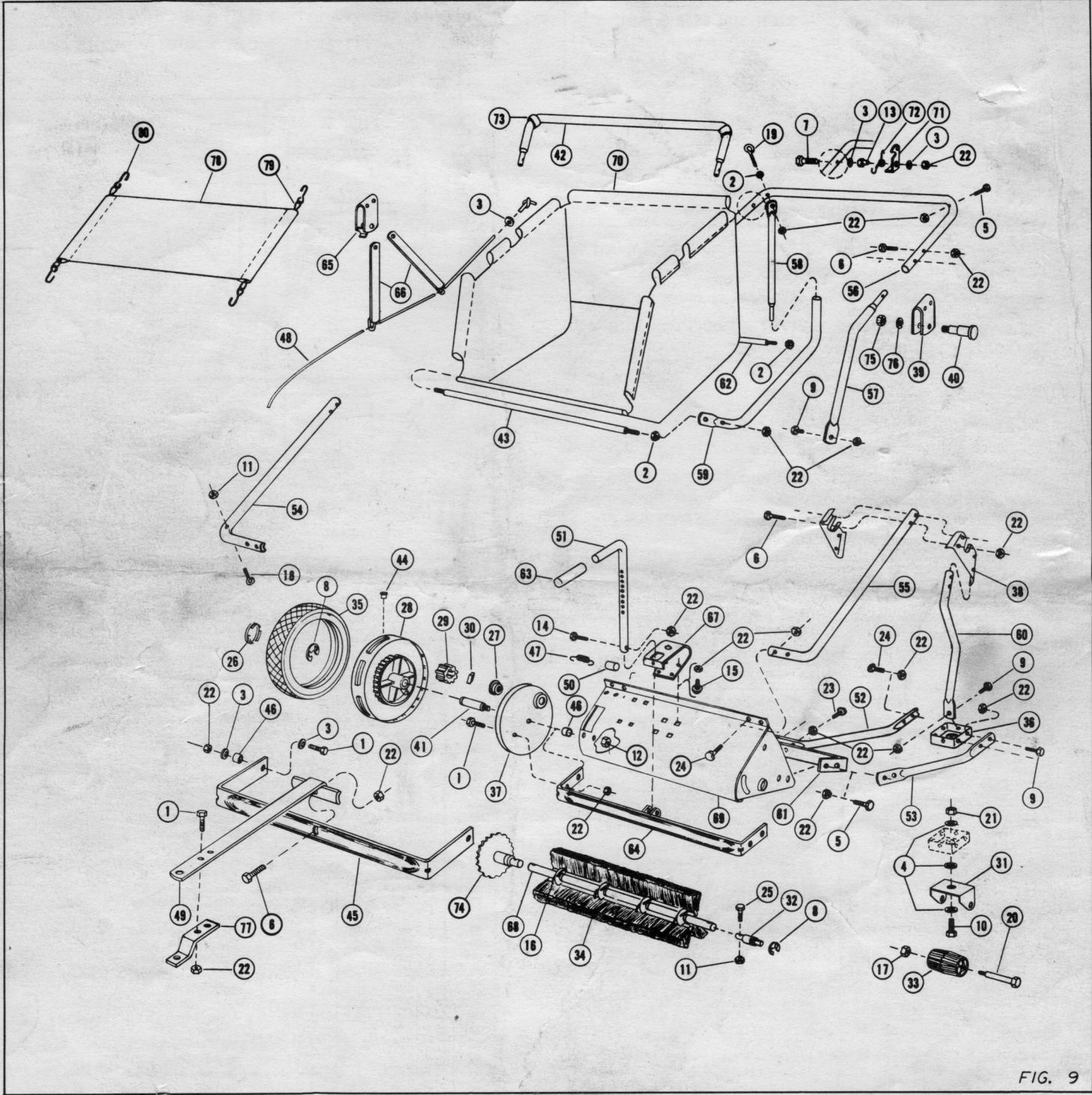


FIG. 9

GENERAL  ELECTRIC