

INSTRUCTIONS FOR CARE OF STANLEY MOTORS NOS. 8 AND L-8.

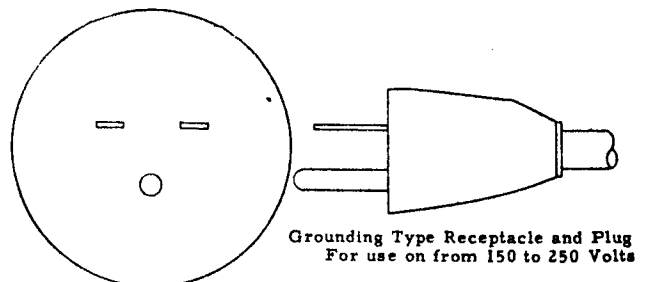
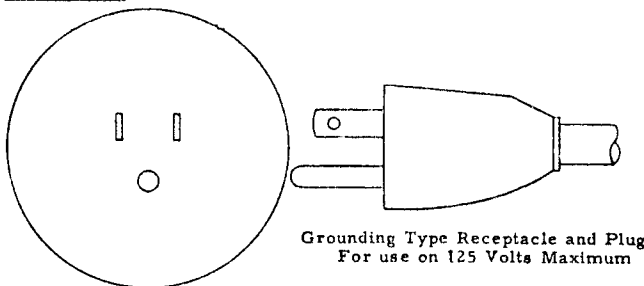
MOTOR TYPE:--This is a series-wound universal-type motor, operating on either direct or alternating current, 60 cycles or less, at voltage stamped on motor name plate. Its speed decreases as the load is increased. Learn to recognize the sound and "feel" of the motor when it is operating at the most efficient loading (speed not less than 2/3 of free speed). At this load, represented by nameplate amperes, the motor will operate continuously without overheating.

Stanley motor units are designed to carry excess loads up to 50% greater than nameplate amperes (speed not less than 1/2 of free speed). Overloading will cause overheating. Therefore, heavy loads should be of short time duration, not greater than 5 minutes. Overload operations should be intermittent. For example, heavy loads should be followed by "off" periods or light load operations of about three times the heavy load duration.

When this motor is used for routing, shaping, planing and related work in wood and plastics the best finishes will result if the depth of cut and rate of feed are regulated to keep the motor operating at high speed. Feed at a moderate rate of forward advance. Hard woods and deep cuts require slow feed. Keep cutting tools clean and sharp.

SHAFT LOCK:--Depress shaft lock (39) to keep the shaft from rotating when loosening Chuck Nut (58).

GROUNDING



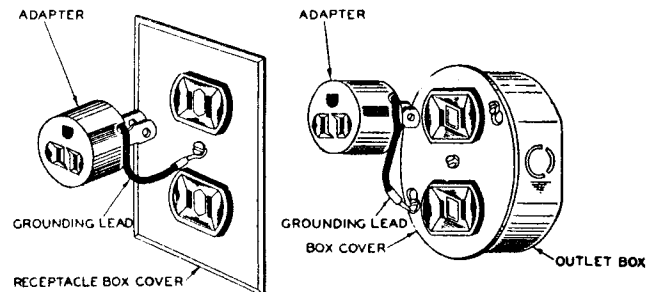
For your protection this tool is equipped with a three wire cord and either of the above approved grounding type plugs in accordance with the National Electric Code. A green grounding conductor in the cord is connected to the metal frame of the tool and to the longest blade of the grounding type plug. These plugs should be used in combination with an approved grounding type receptacle as indicated in the above sketch.

However, a special grounding adapter is supplied (except in Canada or on 150 Volts and above) to permit temporary use of conventional 2-wire receptacles until an approved grounding type receptacle can be installed.

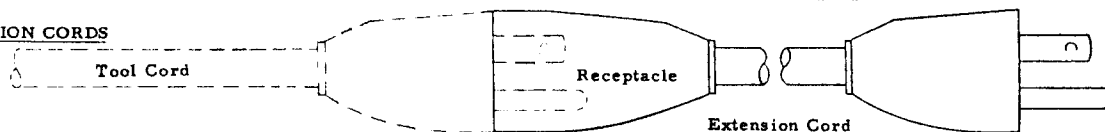
To use the Adapter, first determine if the system is grounded. For grounded electrical systems connect the green wire of the Adapter to a mounting screw of the receptacle. (See sketch at right).

For ungrounded electrical systems, attach the green wire to a known permanent ground such as a grounded water pipe or grounded conduit. If in doubt, consult a licensed electrician.

CAUTION: Water pipes are sometimes isolated from ground by insulated water meters.



EXTENSION CORDS



MAKE SURE BOX IS GROUNDED

Extension Cords should be of the three-wire type with approved Connector Caps to insure continuity of the tool grounding wire. Also, the wire should be of the correct gauge to maintain adequate voltage at the tool. For recommended Extension Cords (125 volts maximum), see Parts List.

CHUCK:--Collet Type, do not tighten Chuck Nut (58) unless you have full size 1/4" shank bit in chuck. Clean Shaft, Collet & Chuck Nut tapers frequently to maintain accuracy.

BRUSHES:--To inspect carbon brushes (48) remove insulated screw caps (33). Replace brushes if worn to within 3/16" of pigtail end.

LUBRICATION:--Both ball bearings on the motor shaft are factory greased and sealed for the life of the bearings. No further lubrication is required.

MOTOR END PLAY ADJUSTMENT:--If motor vibrates, causing poor quality of work, the trouble is probably too much end play. Readjustment should be made as follows:

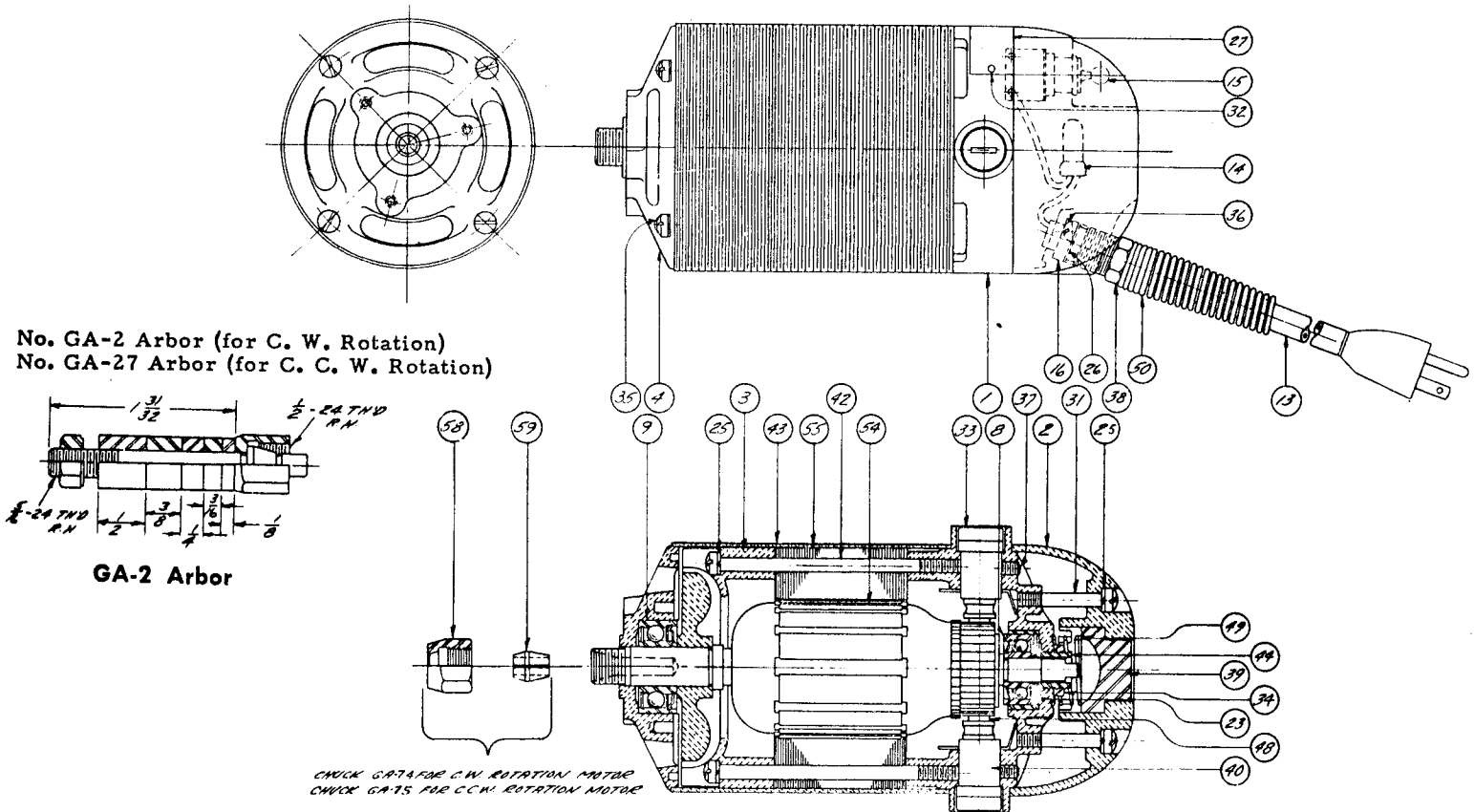
1. Remove plug from electrical outlet.
2. Make adjustment when motor is warm.
3. Remove insulated screw caps (33) brushes (48) dome screws (31) and dome (2).
4. Loosen motor adjusting nut (34) and turn motor adjusting screw (44) until all end play is eliminated and motor still turns freely when spun with fingers.
5. Hold the motor adjusting screw (44) and retighten motor adjusting nut (34).
6. Replace parts removed and start motor. It should coast freely after turning off the switch.

GENERAL INSTRUCTIONS:--Turn off motor when not in use. Never insert anything in vent holes. Keep motor clean and air holes free from dirt. Be sure plug is disconnected from power circuit when changing bits or cutters.

GUARANTEE: Every Stanley Tool product has been carefully inspected before shipment and we guarantee to correct any defect due to faulty material or workmanship. Our obligation assumed under this guarantee is limited to making replacement of any part or parts that our examination proves as being defective and which parts thereof, must be returned, transportation charges prepaid, to our factory in New Britain, Connecticut or to our nearest authorized service station for examination.

We reserve the right to decline responsibility when repairs have been made or attempted by others. This is the only guarantee that Stanley Electric Tools offers covering its products or parts thereof. None other is authorized.

Parts List for Nos. 8, and L-8 Motors (Model "B")



CHUCK GA-TS FOR C.W. ROTATION MOTOR
CHUCK GA-15 FOR C.C.W. ROTATION MOTOR

Item	Part No.	Part Name	Use	Item	Part No.	Part Name	Use
1	A-921-F	Rear Bracket	1	36	S-7312	Ground Wire Screw	4
2	A-922-G	Dome	1	37	S-6489	Brush Holder Screw	2
3	A-994-B	Baffle	1	38	S-8106	Cord Grip Sleeve	1
4	A-995-B	Front Endshield	1	39	S-8108	Shaft Lock	1
8	BB-133	Rear Armature Bearing	1	40	S-8160	Brush Holder	2
9	BB-134	Front Armature Bearing	1	42	S-8486	Field Screw	2
13	MS-1544	Cord and Cap For voltages up to 125-V max.	1	43	S-8487-B	Motor Casing	1
13	MS-1561	Cord Assy. for 150-250-V	1	44	S-8603	Motor Adjusting Screw	1
14	MS-1356	Wire Connector	4	48	SA-614	Carbon Brush	2
15	MS-786	Switch	1	49	SP-4056	Shaft Lock Spring	1
16	MS-1020	Rubber Washer	1	50	SP-4057	Cord Protector	1
20	P-4009	Wrench (not shown)	1	54	SET-222	Armature (Nos. 8 & 29 only)	1
23	P-5252	Thrust Washer	1	55	SET-223	Field (Nos. 8 & 29 only)	1
25	P-5851	Lock Washer	4	58	S-8624	Chuck Shell	1
26	P-6102	Steel Washer	2	59	S-8626	Chuck Collet	1
27	P-6721	Name Plate	1				
28	P-5048	Lock Washer	1				
31	S-5036	Dome Screw	2				
32	S-5024	Name Plate Screw	4				
33	S-5543	Insulated Screw Cap	2	54	SET 224	Armature	1
34	S-5547	Motor Adjusting Nut	1	58	S-8625	Chuck Shell	1
35	S-9081	Front Endshield Screw	4				

L8 Motor (Reverse Rotation)
(All Parts same as above except:)

Extension Cords 25', 50', 100', for voltages up to 125-V max.
MS-1543-25 Extension Cord (25 Ft.)
MS-1543-50 " " (50 Ft.)
MS-1543-100 " " (100 Ft.)

GENERAL OPERATING INSTRUCTIONS

The GA-197 and the H-13 Router Bases are used with the Stanley #8, L8, H-39 and LH-39 Motor Units

ROUTER ASSEMBLY: Insert Motor Unit into Router Base. Turn Adjusting Plug Screw (7) clockwise to lock Motor in the Router Base. Be sure threads on locking plug engage with threads on Motor Casing.

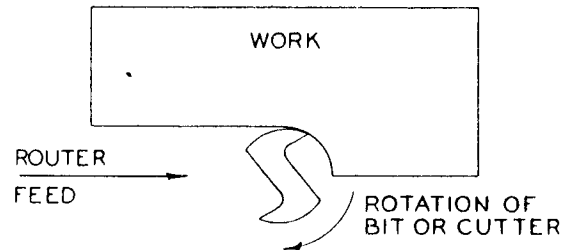
MOUNTING BITS: Remove Plug from electrical outlet. Clean tapers on Chuck Shell, Shaft and Collet. Insert bit in chuck and tighten Chuck Shell "finger tight". Rotate bit slightly to seat tapers. Tighten Chuck Shell with Wrench. Before plugging into electrical outlet, rotate bit by hand to make certain that it does not hit Router Base.

MOUNTING CUTTERS: Remove Plug from electrical outlet. Remove Chuck Shell and Collet. Clean tapers on Shaft and Arbor and Arbor Shell Shoulder. Insert Arbor into Shaft taper and tighten Arbor Shell "finger tight". Rotate Arbor to seat tapers and tighten Arbor Shell by wrench. Place cutter on Arbor so that cutting edge points counterclockwise when looking at the threaded end of Arbor. Tighten Arbor Nut using as many Spacer Collars as necessary. Before plugging into electrical outlet, rotate by hand to make certain there is no interference.

DEPTH OF CUT ADJUSTMENT: Loosen Adjustment Plug Screw (7) by turning counterclockwise one full turn to disengage locking threads. This allows removal of Motor from Router Base or coarse "Depth of Cut" adjustments.

Once coarse "Depth of Cut" adjustment is made, tighten Adjustment Plug Screw and loosen only 1/2 turn. Rotate motor for fine adjustment (1/4 turn for 1/64").

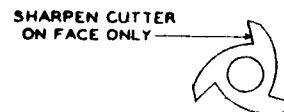
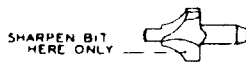
DIRECTION OF FEED: The Correct relationship between direction of Bit or Cutter rotation and Router Feed is shown at right. This applies to trimming and slotting type cuts. Feed in this direction or chatter will result.



SHOWN OPERATING FROM TOP OF WORK

RATE OF FEED: When routing, shaping or doing related work in wood and plastics, the best finishes will result if the depth of cut and rate of feed are regulated to keep the Motor operating at high speed. Feed Router at a moderate rate of forward advance. Hard woods and deep cuts require slow feed. Keep bits and cutters clean and sharp.

SHARPENING BITS AND CUTTERS: Dull cutting tools overload and overheat Motor and produce poor quality work. Keep bits and cutters clean and sharp. Ordinary sharpening can be done with a fine oilstone. Use a mounted Grinding Wheel in the Chuck of the Motor where cutting edges are excessively worn. Grind face of cutting tool only as illustrated.



TEMPLET GUIDES: Templet Guides may be assembled to the four prongs on the bottom of the base. The neck of the guide extends below the bottom of the base in order to follow the contour of a templet placed on top of work.

Templet may be made from 1/4" plywood or tempered hardboard. Trace the design and cut out the templet free hand making the cutouts larger than they are to be in the finished article to allow for the distance between the outside of the templet guide and the cutting edge of the bit.

The bit extends through guide to make a cut in the work of the same shape as the templet.

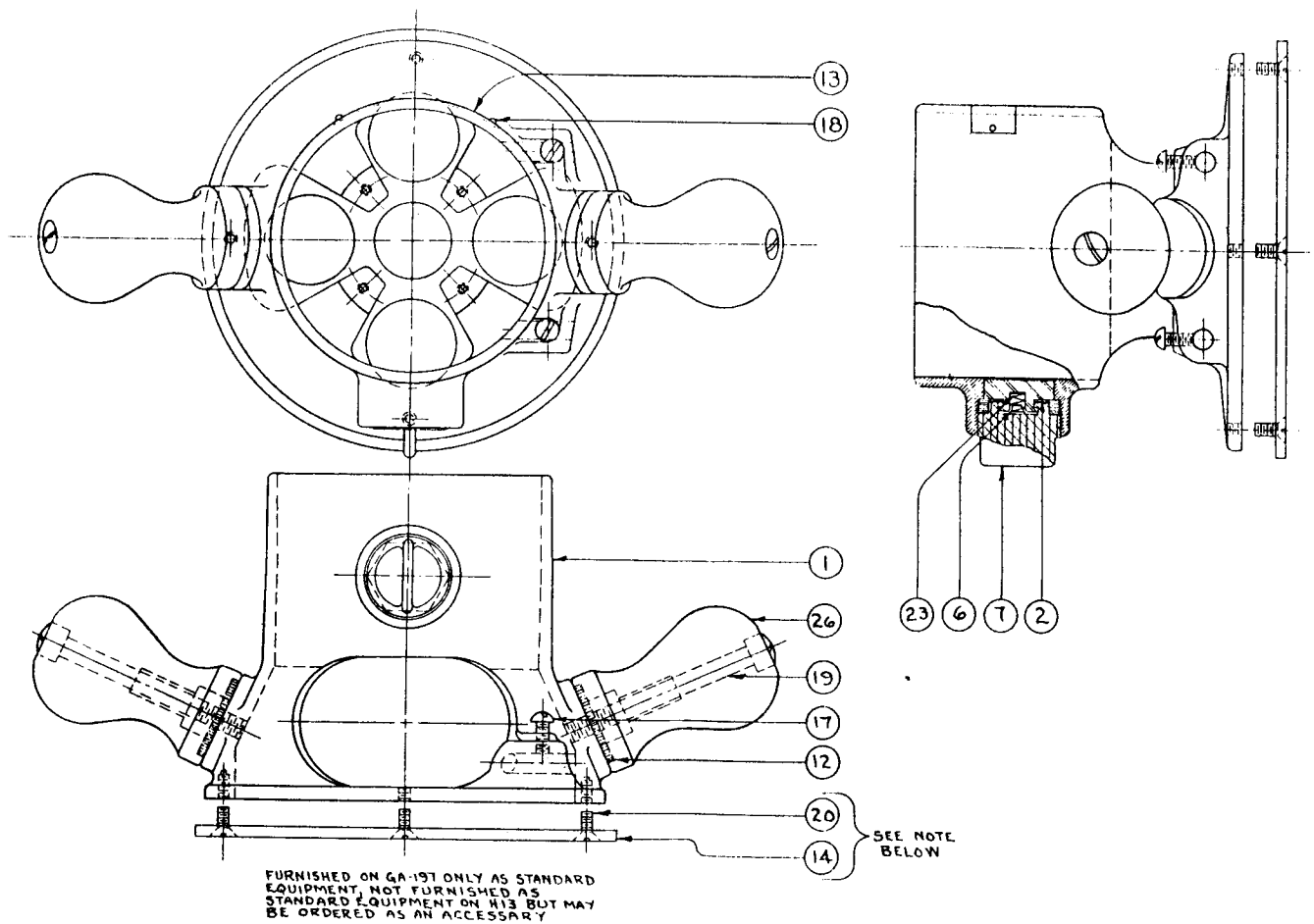
For Templet work observe the following rules:

1. Do not use the bit shank as a guide against the templet. Always use a templet guide.
2. Select a templet guide having inside diameter slightly larger than the diameter of the bit you are to use.
3. Always use a Sub-base for templet work for smoother operation, and to provide clearance for the templet guide.

Always indicate the number, name and model letter of your base when ordering guides.

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GA-197 & H-13 Router Bases

Model "B"

<u>Item</u>	<u>Part No.</u>	<u>Name</u>	<u>Use</u>
1	A-954-E	Base	1
2	A-1093	Adjustment Plug	1
6	MS-540	Adjustment Spring Guard	1
7	MS-1541	Adjustment Plug Screw	1
12	P-6271	Knob Washer	2
13	P-6689	Name Plate	1
*14	P-6525	Sub Base	1
17	S-501	Gauge Rod Screw	2
18	S-6132	Name Plate Screw	2
19	S-8460	Knob Screw	2
*20	S-8586-B	Sub Base Screws	4
23	SP-4102	Adjustment Spring	1
26	W-2054	Knob	2

* Standard equipment on GA-197 Router Base only.

When ordering Parts specify Parts Numbers and Name Plate data.

STANLEY SERVICE STATIONS

The following Stanley Service Stations are strategically located to assist you whenever you need parts or service for your Stanley Portable Electric Tools. They are authorized to conform to our guarantee policy.

When you send them a tool to be repaired, please prepay transportation charges and also send instructions as to what you want done. That will eliminate possible delay in a tool getting back to you in proper operating condition.

Alabama; Birmingham 3
 Arizona; Phoenix
 Arizona; Tucson
 California; Burbank
 California; Fresno
 California; Gardena
 California; Los Angeles 23
 California; Los Angeles 11
 California; No. Hollywood
 California; Oakland
 California; Oakland 7
 California; Pasadena
 California; Sacramento
 California; Santa Ana
 California; San Diego
 California; San Francisco 3
 California; San Francisco
 California; San Gabriel
 California; San Gabriel
 California; San Jose
 California; West Los Angeles 24
 Canada; Calgary, Alberta
 Canada; Edmonton, Alberta
 Canada; Montreal
 Canada; Montreal
 Canada; Toronto 2B, Ontario
 Canada; Vancouver, B. C.
 Colorado; Denver 2
 D. C.; Washington 9
 Florida; Jacksonville
 Florida; Miami 36
 Florida; Tampa 4
 Georgia; Atlanta 3
 Hawaii (2); Honolulu
 Illinois; Chicago 10
 Indiana; Indianapolis 4
 Iowa; Des Moines 9
 Kentucky; Louisville 4
 Louisiana; New Orleans 13
 Maryland; Baltimore 2
 Massachusetts; Newton Upper Falls 64
 Massachusetts; Cambridge 39
 Michigan; Detroit 8
 Minnesota; Minneapolis 1
 Missouri; Kansas City
 Missouri; St. Louis 3
 Missouri; St. Louis
 Nebraska; Omaha 2
 New Jersey; Newark 5
 New York; Hempstead
 New York; Buffalo 3
 New York; New York 13
 New York; New York 13
 New York; Rochester
 New York; Schenectady 4
 New York; Syracuse
 North Carolina; Charlotte 1
 Ohio; Toledo 13
 Oklahoma; Oklahoma City 3
 Oklahoma; Tulsa
 Oregon; Portland
 Pennsylvania; Philadelphia 30
 Pennsylvania; Philadelphia 33
 Pennsylvania; Pittsburgh 33
 Rhode Island; Providence
 Tennessee; Knoxville
 Tennessee; Memphis 2
 Tennessee; Nashville 3
 Texas; Amarillo
 Texas; Corpus Christi
 Texas; Dallas 4
 Texas; Houston 3
 Texas; San Antonio
 Utah; Salt Lake City 4
 Virginia; Norfolk 10
 Virginia; Richmond 21
 Virginia; Roanoke
 West Virginia; Charleston
 Washington; Seattle 99
 Washington; Spokane 13
 Wisconsin; Milwaukee 8
 Wisconsin; Milwaukee 5

Birmingham Elec. Battery Company
 Vinson-Carter Elec. Co.
 Vinson-Carter Elec. Co.
 Elect.-Air Tool Co.
 Haven Saw & Tool Co.
 Gosney Electric Co.
 M. N. Thackaberry
 Zonne Electric Co.
 Paul E. Crane Co.
 Haven Saw & Tool Co.
 Electric Motor & Mche. Wks.
 M. N. Thackaberry
 Haven Saw & Tool Co.
 V. B. Anderson Co.
 Hammond Mch. & Supply
 Electrical Appliance Service
 Haven Saw & Tool Co.
 San Gabriel Valley Elec. Co.
 L-S Tool Supply Co.
 Haven Saw & Tool Co.
 Westwood Power Tools
 Bennett & Emmott, Ltd.
 Bennett & Emmott, Ltd.
 Tools & Flanges, Ltd.
 Williams & Wilson, Ltd.
 Electric Repair & Mach. Co.
 Armature Electric Co.
 McKelvey, C. F. Company
 Carty Elec. & Arm. Ser., Inc.
 Turner Electric Works
 Florida Elec. Motor Co.
 Patrick Electool Ser.
 Cummins Machinery Co.
 Lewers & Cooks, Ltd.
 Stanley Electric Tools
 Elec. Tool & Motor Service, Inc.
 Iowa Service Co.
 Elec. Tool Service Co.
 Reliance Electric Wks.
 Roland Electrical Co.
 W. J. Connell Co.
 Sutton Elec. Tool Service
 Marsh Co.
 G. C. Peterson Machinery Co.
 Kornfeld-Thorp. Elec. Co.
 Paul Wolf Machinery Co.
 Standard Electric Co.
 Thacker Elec. Co.
 Able Portable Electric Tool Co.
 Able Portable Electric Tool Co.
 Dynamo & Motor Exchange
 Hardman. Paul
 Stanley Electric Tools
 O. G. Schwarz
 Barrett Electric Service
 Rogers & Hilton, Inc.
 Jones Elec. Repair Co.
 Elec. Tool Service Co.
 Electric Tool Supply
 Hohmann's Appliance Service
 H. L. Moss Co.
 Walker Electric Works
 Electric Tool & Service Co.
 Stanley Sales Co.
 Snyder Electric Co.
 J & H Elec. Co.
 Tenn. Armature & Elec. Co.
 Tri-State Armature & Elec. Wks.
 Tenn. Elec. Motor Co.
 Ben's Repair Service
 Smith-Shields Elec. Wks.
 Talmage Raymeyer Co.
 Hill Electric Co., Inc.
 Elec. Motors Service & Sales
 Elec. Motor & Supply Co.
 Caddell Elec. Co.
 Roy's Elec. Motor Service
 Lloyd Electric Co.
 Hopkins Electric & Supply Co.
 Instrument Laboratory, Inc.
 K & N. Elec. Motors
 Bloomer, H. E.
 Industrial Elec. Motor Co.

Avenue B & 23rd St.
 325 North Fourth St.
 2521 E. Sixth St.
 310 W. Verduga Ave.
 2405 Inyo St.
 15115 S. Western
 1300 South Soto St.
 2226 S. San Pedro St.
 10864 Magnolia Blvd.
 950 E. 14th St.
 217 Broadway
 1670 Walnut St. E.
 21st and Jay St.
 117 Spurgeon St.
 3033 Indio St.
 1434 Howard St.
 1072 Howard St.
 1846 So. San Gabriel Ave.
 8512 E. Las Tunas Dr.
 859 West Julian St.
 1627 Westwood Blvd.
 715-11th Ave.
 10820 119th St.
 701 Craig St. W.
 544 Inspector St.
 81 St. Patrick St.
 1055 Seymour St.
 1112-14 18th St.
 1608-14th St. N. W.
 1020 East 8th St.
 235 N. W. 2nd Ave.
 1509 W. Hillsboro Ave.
 182 Courtland St., N. E.
 404 Piikoi St.
 61 W. Kinzie St.
 34 W. Tenth
 114-12th St.
 757 Logan St.
 820 Carondelet St.
 418 E. Pratt St.
 210 Needham St.
 271 Broadway
 5140 Grand River Ave.
 117 Washington Ave. No.
 2700 McGee Trafficway
 3530 Lawton Blvd.
 3880 Washington Blvd.
 2217 Cumming St.
 85 Columbia Street
 238 N. Franklin Street
 41-45 Elm St.
 186 Grand St.
 40 Worth St.
 432 Atlantic Ave.
 108-116 Henry St.
 318-324 Pearl St.
 709-715 E. 7th St.
 3833 Payne Ave.
 1911 Giant St.
 316 N. W. 6th St.
 1712 East 15th St.
 206 N. W. 10th Ave.
 1608 Fairmount Ave.
 Lehigh Ave. & American St.
 1919 Chateau St.
 200 Richmond St.
 312 West Jackson Ave.
 321 Butler Ave.
 408 8 Ave. S.
 513 West 8th Ave.
 314 South Chaparral
 3023 N. Fitzhugh St.
 2605 Polk Ave.
 900 E. Commerce St.
 351 W. 4th South
 245 Court St.
 3201 Norfolk St.
 334 W. Salem Ave.
 617 Columbia Avenue
 934 Elliott Ave. West
 N-1311 Washington St.
 3207 W. Vine St.
 1216 West McKinley Ave.

Factory Service Station and Main Office at

STANLEY ELECTRIC TOOLS, Division of The Stanley Works, NEW BRITAIN, CONN.