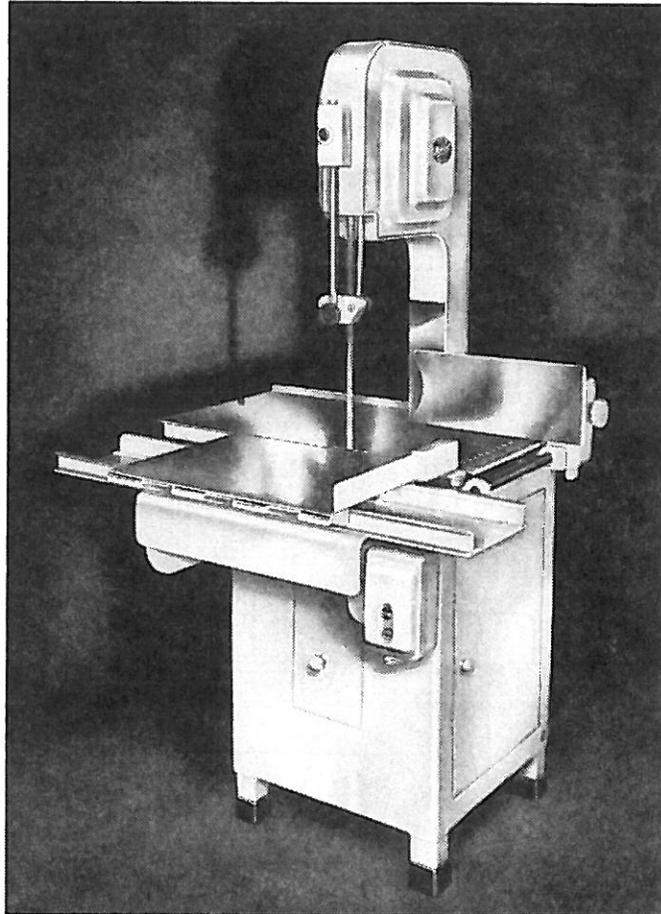


# INSTRUCTION MANUAL

*with Catalog of Replacement Parts*



## MODEL 5413 MEAT SAW

SPECIFICATION #7766 A.C.

SPECIFICATION #7774 D.C.



*Disc. July 1960*  
*Obs. July 1975*  
**THE HOBART MANUFACTURING COMPANY**

*The World's Oldest and Largest Manufacturer of Computing Scales and  
Food Store, Kitchen, Bakery and Dishwashing Machines*

**TROY, OHIO, U. S. A.**

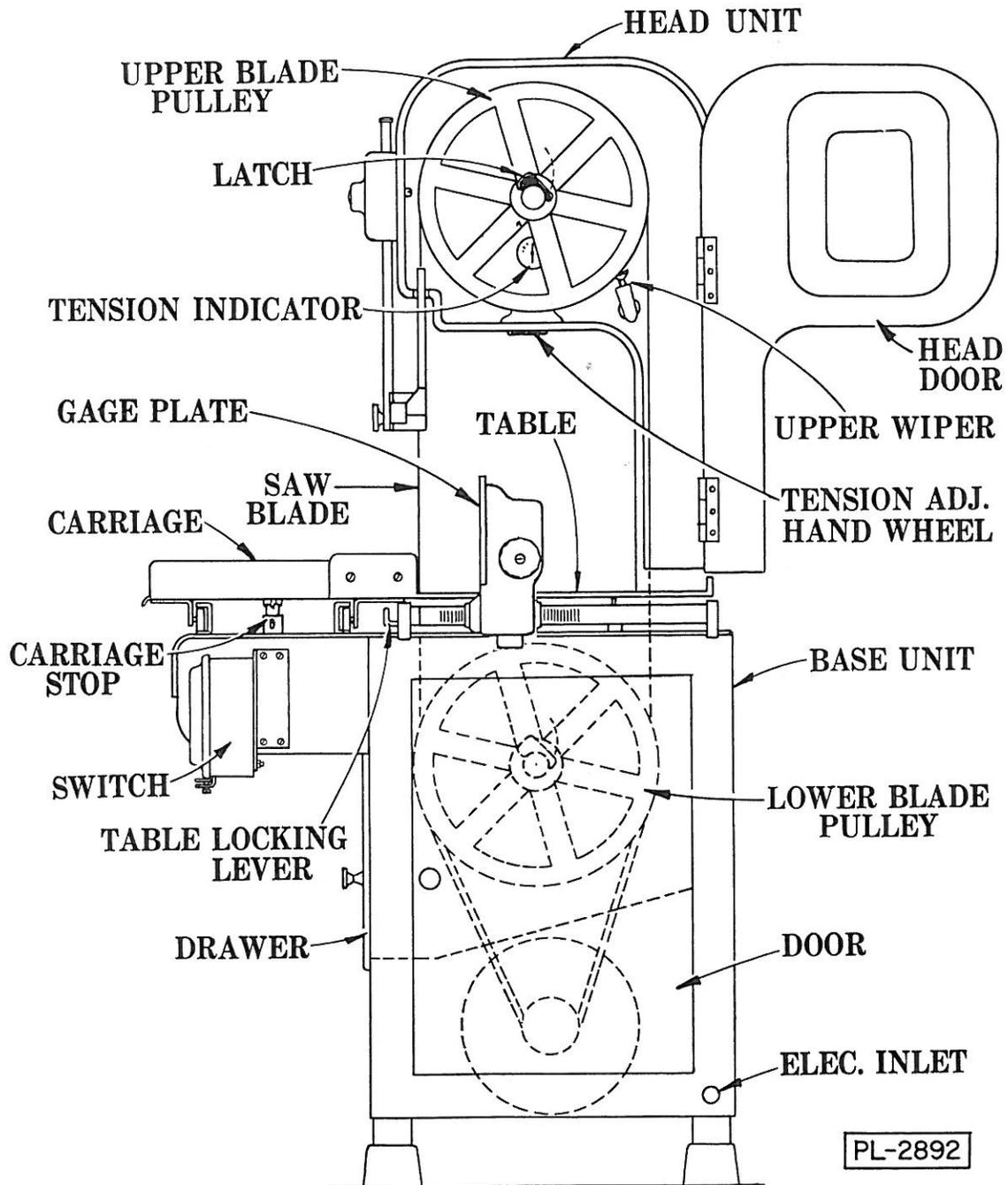


FIGURE 1

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# Instructions for Model 5413 Meat Saw

## I - UNPACKING

Having removed the shipping box that covers the saw, the first step is to detach the saw from the skids. It is fastened to the skids with four heavy bolts which must be removed from underneath, and it will therefore be necessary to tip the skid assembly to get at them. Discard the washers but **DO NOT LOSE THE BOLTS; SCREW THEM BACK INTO THE LEGS. THEY ARE TO BE USED AS LEVELING BOLTS.**

## II - SETTING UP

(1) Move the machine to the location where it is to be used. Place a spirit level on top of the base unit and adjust the bolts in the legs so that the base unit is level from side to side and back to back. The sleeves may be pushed up out of the way while turning the leveling

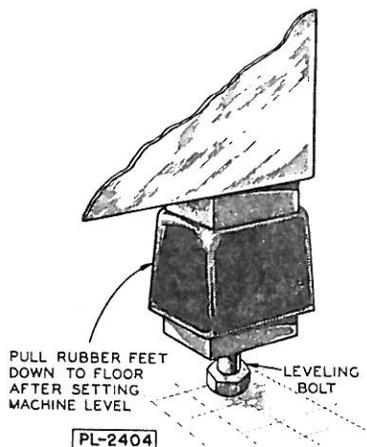


FIGURE 2

bolts, (as shown in fig. 2). When all four bolts have been adjusted, push the sleeves down in contact with the floor to prevent the entrance of dirt.

(2) The long table support channel (fig. 6) is removed for shipping purposes. Attach this channel (with the two screws and nuts furnished) to the top of the cabinet base.

(3) Lower the upper blade pulley by giving the tension adjustment hand wheel (fig. 1) a few turns to the left, open door and swing the blade guard C (fig. 3) down to a horizontal position. Lift out lower wiper unit (fig. 4) and place the saw blade over the upper and lower blade pulleys (fig. 1). The teeth must point to the right and

downward when viewed from the front as shown in fig. 6. If they do not point downward, remove the blade, twist inside out and replace it on the saw. Turn the tension adjustment hand wheel (fig. 1) to the right until the tension indicator reads "2". Give the upper pulley a few turns by hand so that the blade centers itself on the pulleys, then turn the tension adjustment handle slowly to the right until the indicator registers between "3" and "4". This is the best operating tension for the blade.

**NOTE:** see paragraph IX for adjustment of blade thrust rollers.

(4) Move the blade guard C (fig. 3) to the vertical position and close head door.

(5) Put in the lower wiper unit (fig. 4). Before sliding it into place swing up the bakelite guard K and see that the saw blade is between the two wipers D and in the guide slot of the steel block H. After sliding the unit into place, close down the bakelite guard K.

(6) To put on the table; swing gage plate (fig. 6) to vertical position, clear of table area. Turn locking lever (fig. 1) to the left. Position the table so that the catches on the underside of the table will engage mating parts on the base. The table can then be secured by turning the table locking lever (fig. 1) to the right. Be sure the support angles on the underside of the table are inside the locating pins of the four table rests on the base.

(7) The carriage may be put on from either side. While rolling it into place hold down the carriage stop (fig. 1). When the stop is released, it will prevent the carriage from rolling off.

## III - WIRING

Before connecting to the power line, check the data on the name plate (fig. 6) to make sure that the motor is correct for your electric service. The motor and starting switch are connected at the factory. For installation connect power line to switch. Flexible or rigid conduit is recommended. An electric inlet hole (fig. 1) is provided in the base for the conduit. The switch is of the push-button type and has thermal overload, motor safety protection.

A wiring diagram of the switch is attached to the inside of the cover. Be sure to use wire

large enough to meet your local code requirements. For proper performance use wire size of NOT LESS than #10 gage for 115 V., or #14 gage for 230 V. on single phase models. Use #14 gage for 208, 220 and 440 V. on three phase models. For long runs, between power inlet and saw, use a larger size.

#### IV - SAFETY FEATURES

The Hobart Saw is provided with safety devices to give maximum protection to the operator. Keep the guards in place at all times.

- (1) UPPER GUIDE ASSEMBLY (fig. 3): Keep as low as the size of the work permits.
- (2) UPPER GUARD C (fig. 3): Keep in vertical position.
- (3) DOORS: Keep all doors closed when the machine is running.
- (4) BUTT-END PUSHER L (fig. 5): Use this device as described in paragraph VI and it will be unnecessary to hold your hand near the running saw blade.
- (5) GAGE PLATE: The end of the gage plate at M (fig. 5) is shaped to give maximum support and protection at this critical point and, at the same time, facilitate the taking off of slices.

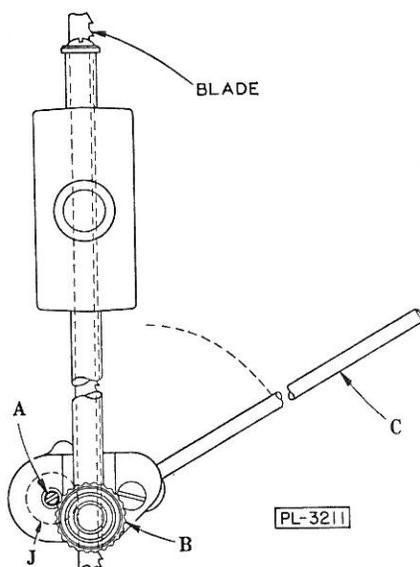


FIGURE 3  
UPPER GUIDE ASSEMBLY

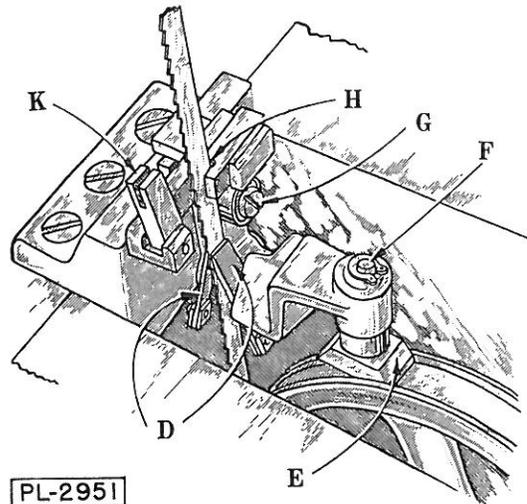


FIGURE 4  
LOWER WIPER UNIT

#### V - LUBRICATION

Very little lubrication is required because all the high-speed shafts have ball bearings which are grease-packed and will operate a long time without attention.

- (1) Keep a small amount of grease in the eight ball bearing rollers on the carriage.
- (2) Apply a few drops of oil occasionally to the gage plate rack O (fig. 5) and work the gage plate assembly back and forth a few times.
- (3) IMPORTANT: After each cleaning, use tasteless oil to lubricate the plunger of the Upper Wiper (Fig. 1), the plunger F of the lower wiper E (fig. 4), and the shafts of two lower wipers D (fig. 4). Actuate these wipers to be sure they are lubricated properly, and will operate freely.
- (4) Once a year have a Hobart Service Man look over the motor and main bearing carriers.

#### VI - OPERATION

Place the item to be cut on the carriage and switch on the motor. Stand in front of the machine leaning lightly against the scalloped front of the carriage and move the carriage to the left, past the saw blade, at a steady and uniform rate.

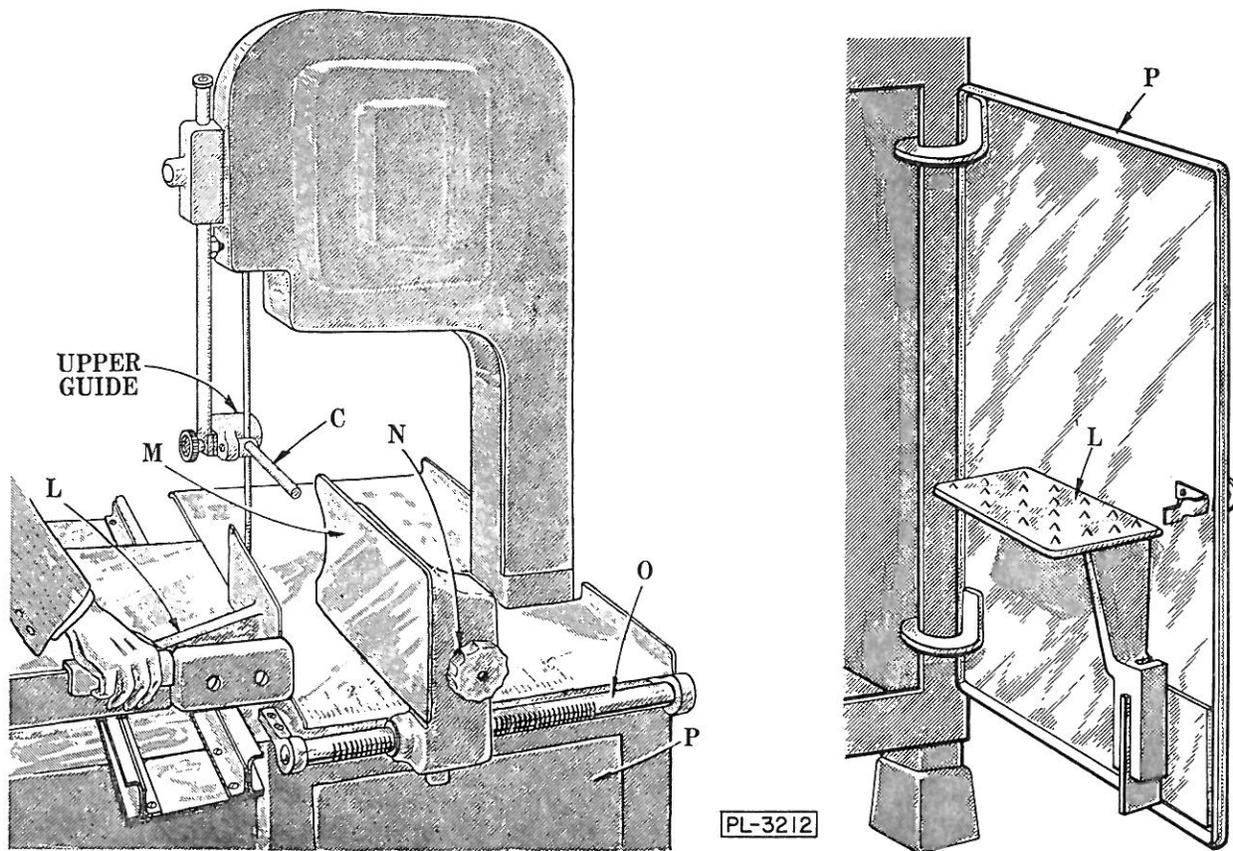


FIGURE 5

Your left hand will then be free to take away and stack the items as they are cut off. Make it a habit to move your hand around the left side, or back of the saw blade, when reaching for an item — NEVER IN FRONT OF THE TEETH. On the return stroke, pull the item toward you so that it clears the saw blade.

The saw cuts through bone and meat alike and no preliminary preparation with the butcher knife is necessary as with a hand saw.

When cutting slices of uniform thickness, set the gage plate at the desired point on the scale etched on the table. If the gage plate is not needed and interferes with the work, it may be pushed out of the way. Lift the hand knob N (fig. 5) and slide the gage plate on back to the end of rack O (fig. 5). The gage plate may be swung to a vertical position at any setting along the rack without lifting the hand knob.

To slice short ends, use the pusher plate L (fig. 5) to hold the meat against the gage plate. A groove in the pusher slips over and slides along the up-turned edge of the carriage. Hold the pusher with your right hand as shown in fig. 5. Your hand will then always be a safe distance from the saw blade and the stop will

prevent the pusher from going too far. When not using the pusher plate, keep it on the inside of door P where provision has been made for holding it. See illustration at the right in fig. 5.

## VII - CLEANING

It is very important that any appliance used in the preparation of food be kept in a clean and sanitary condition. This machine has been designed to make cleaning a quick and easy job.

Daily cleaning is recommended.

### SUGGESTED CLEANING PROCEDURE:

- (1) Roll Carriage to extreme right or left. This exposes the carriage stop. Depress carriage stop and roll off stainless steel carriage.
- (2) Rotate gage plate to vertical position. (Shown dotted in Fig. 6).
- (3) Turn table locking levers to left and remove stainless steel table.
- (4) Swing lower saw blade guard K (fig. 4) up and lift out lower wiper assembly. Clean unit thoroughly and LUBRICATE WITH TASTELESS OIL.
- (5) Release blade tension by turning tension

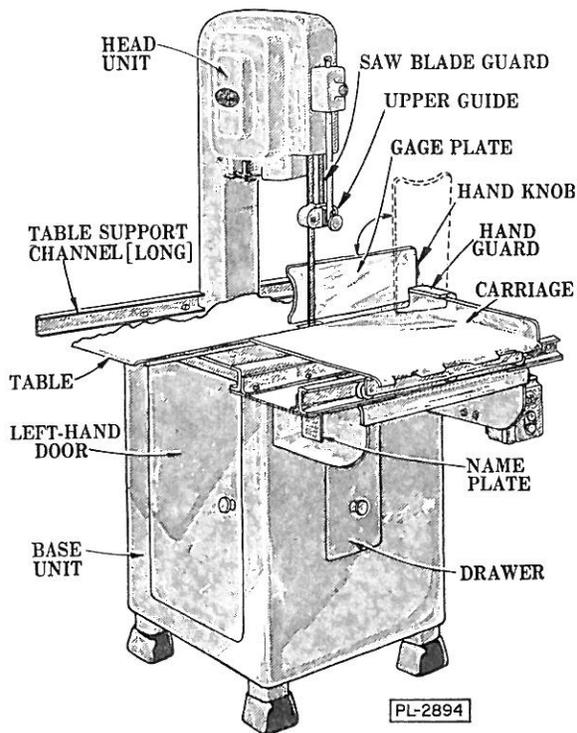


FIGURE 6

adjusting hand wheel to the left. Open head door and swing the upper blade guard down to horizontal position. Remove saw blade.

(6) To remove upper guide unit, loosen hand knob B (fig. 3) and remove unit. Clean, LUBRICATE WITH TASTELESS OIL, and replace.

(7) Remove upper and lower pulleys by swinging the pulley retaining latches clear of the shafts. Slide pulleys off. Clean pulleys and oil bore before replacing.

(8) Remove drawer.

All areas are now exposed for easy thorough cleaning.

NOTE: When replacing pulleys, make sure that pulley latches are properly seated in grooves of shaft.

## VIII - CHANGING SAW BLADES

(1) Depress carriage stop and remove stainless steel carriage.

(2) Rotate gage plate to vertical position.

(3) Turn table locking levers to left and remove table.

(4) Lower upper blade pulley by turning tension adjusting hand wheel to left.

(5) Open head door (fig. 1) and swing upper blade guard to horizontal position. Swing up lower blade guard K (fig.4) and remove blade.

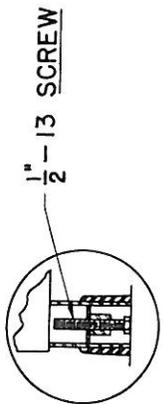
(6) Put on the new blade, turn the hand wheel to the right until the indicator reads "2", turn the upper blade pulley (fig. 1) by hand to center the blade, and then turn the hand wheel until the indicator registers between "3" and "4". Now move the guard C (fig. 3) to the vertical position and insert the lower wiper unit.

## IX - ADJUSTMENT OF BLADE THRUST ROLLERS

At the back edge of the saw blade in the upper guide and the lower wiper unit are ball bearing rollers which will take the cutting thrust. When the saw is running without load, the blade should not touch the rollers; the clearance being approx. 1/32 inch. Always check this after changing blades. Rollers should be adjusted to suit any variation in blade widths. IMPORTANT: Adjust the upper roller J (fig. 3) by turning the screw A (fig. 3) and the lower roller by turning screw G (fig. 4).

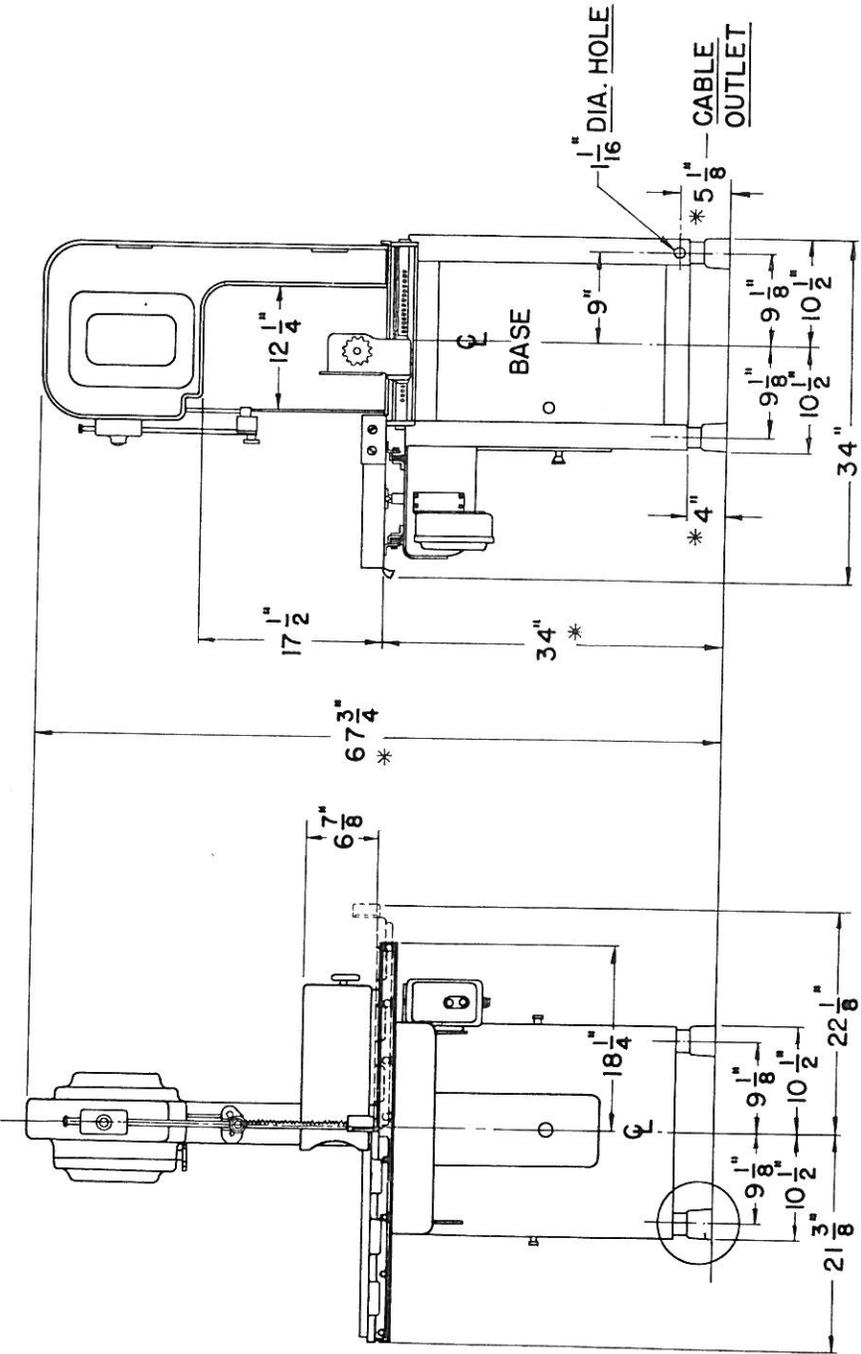
## X - BLADE REPLACEMENT

Two saw blades are furnished as regular equipment with every machine. Replacement blades are available thru all Hobart offices.



MACHINE SHIPPED WITH CARRIAGE,  
TABLE AND TRACKS REMOVED.  
WILL PASS THROUGH A 28" DOOR.

ENLARGED VIEW OF LEG  
SHOWING ADJUSTING SCREW



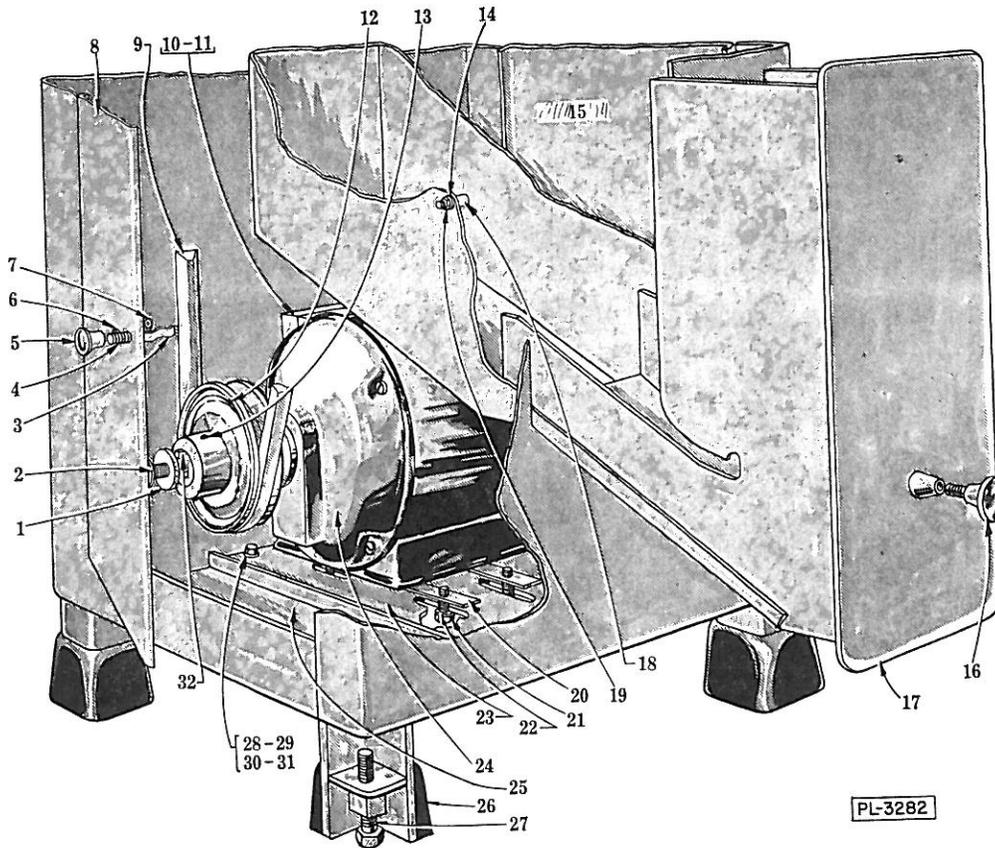
PL-2895

\* THESE DIMENSIONS MAY INCREASE  
AS MUCH AS 2" DEPENDING ON LEG ADJUSTMENT

R-65351

INSTALLATION DIAGRAM

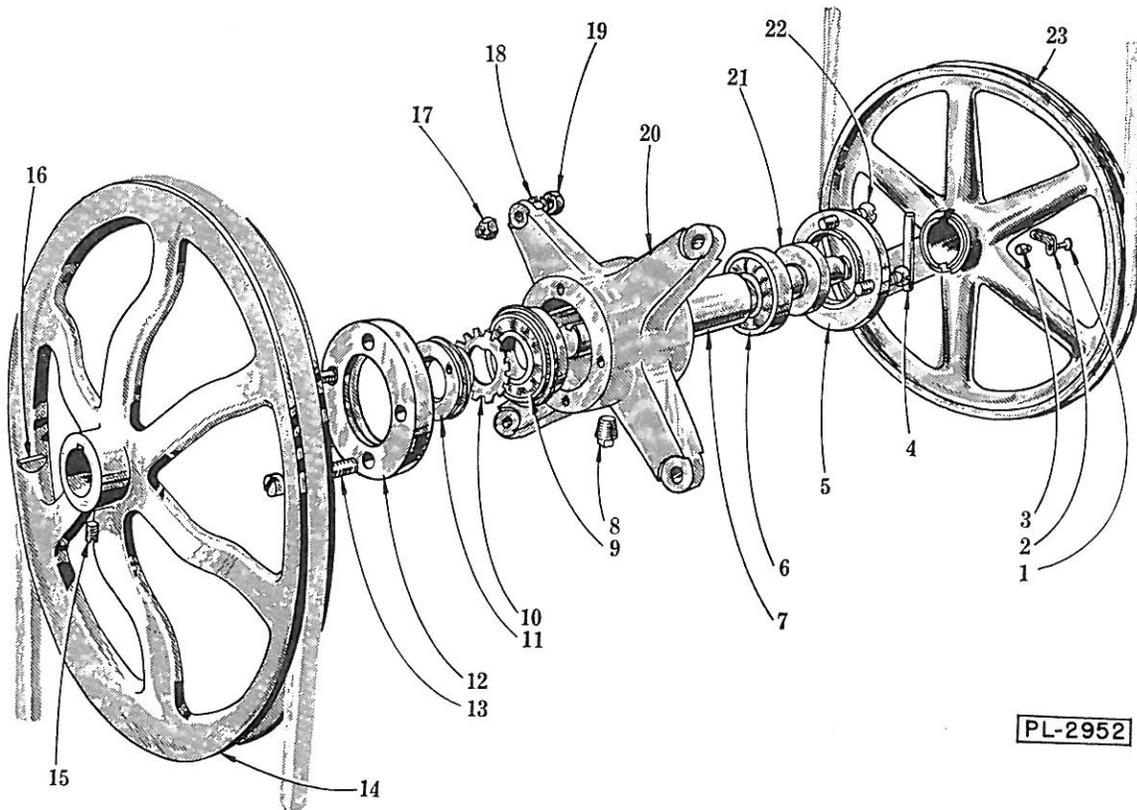
# HOBART REPLACEMENT PARTS



## BASE AND MAIN FRAME UNIT

| ILLUS. NO. | PART NO.             | NAME OF PART  | AMT.     |
|------------|----------------------|---|----------|
| 1          | WS-3-30              | Washer  | 1        |
| 2          | M-3404-8             | Screw   | 1        |
| 3          | V-20894              | Clip - Spring   | 2        |
| 4          | SC-7-74              | Mach. Screw - #10-24 x 3/8" Rd. Hd.                       | 2        |
| 5          | M-23274              | Knob - Base Door  | 2        |
| 6          | SC-7-71              | Mach. Screw - #10-24 x 1/4" Rd. Hd.                       | 2        |
| 7          | NS-9-21              | Mach. Nut - #10-24 Hex                                    | 1        |
| 8          | S-23332              | L.H. Base Door Assy.                                      | 1        |
| 9          | BV-3-41              | V-Belt  | 1        |
| 10         | P-23212              | Box - Junction  | 4        |
| 11         | SC-9-92              | Mach. Screw - #10-32 x 2" Rd. Hd.                         | 1        |
| 12         | R-67377              | Pulley - Motor (7") (Incls. item #13)                     | 1        |
| 13         | SC-47-35             | Set Screw - 5/16"-18 x 1/2" Soc. Hdl. Kn. Cup Pt.         | 1        |
| 14         | WL-3-44              | Lock Washer - 5/16" x .125" x .078"                       | 1        |
| 15         | S-23331              | R.H. Base Door Assy.                                      | 1        |
| 16         | <del>M-20838-3</del> | Knob - Drawer <i>NLA</i>                                  | 1        |
| 17         | S-23353              | Drawer Assy.  | 1        |
| 18         | V-20877              | Stud - Drawer Retaining                                   | 1        |
| 19         | NS-17-7              | Jam Nut - 5/16"-18 Hex Fin.                               | As Reqd. |
| 20         | M-23231              | Booster - Motor   | 4        |
| 21         | SC-36-83             | Fin. Bolt - 7/16"-14 x 1" Hex Hd.                         | 4        |
| 22         | WS-7-11              | Washer  | 1        |
| 23         | P-23229              | Base - Motor  | 1        |
| 24         |                      | Motor (Give Elec. Spec.) (See Separate Motor Parts Sheet) | 1        |
| 25         | P-23230              | Cover - Bottom Frame                                      | 4        |
| 26         | M-20899              | Sleeve  | 4        |
| 27         | V-20991              | Bolt - Leveling   | 4        |
| 28         | SC-36-25             | Fin. Bolt - 5/16"-18 x 3/4" Hex Hd.                       | 4        |
| 29         | NS-31-28             | Stop Nut - 5/16"-18 "Elastic"                             | 4        |
| 30         | WS-17-5              | Washer  | 4        |
| 31         | WS-5-7               | Washer  | 1        |
| 32         | R-12430-62           | Key   | 1        |

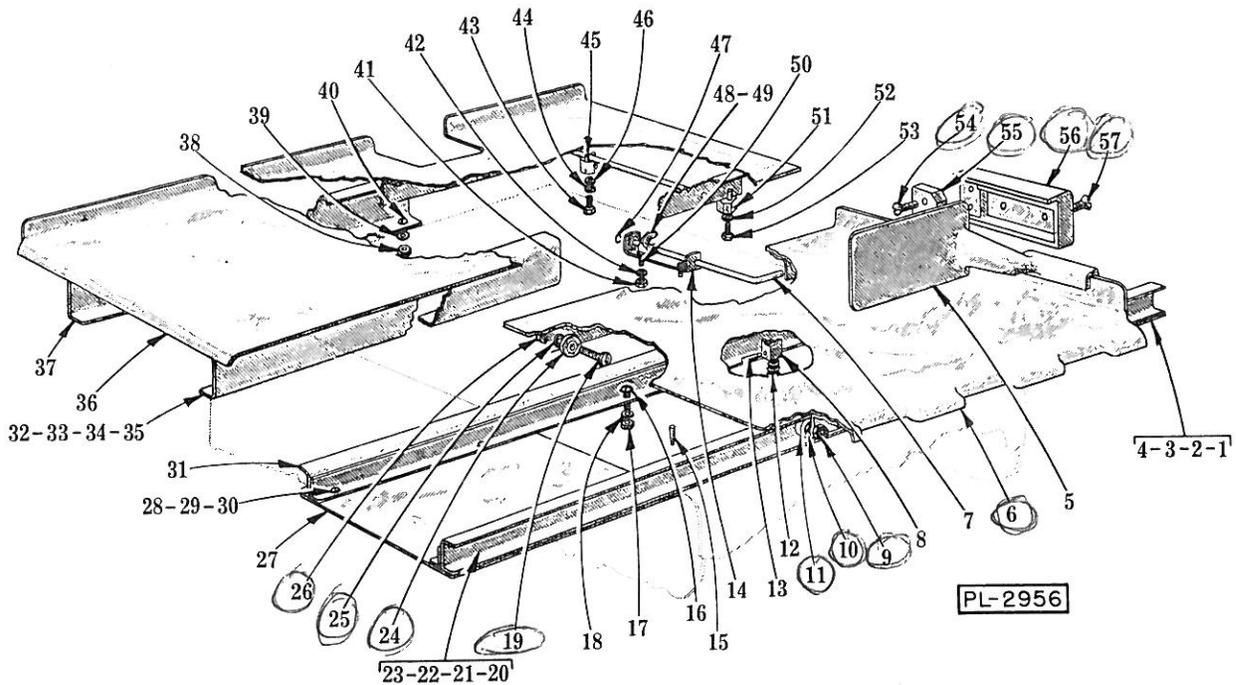
## HOBART REPLACEMENT PARTS



### LOWER BEARING CARRIER UNIT

| ILLUS.<br>PL-2952 | PART<br>NO. | NAME OF PART   | AMT. |
|-------------------|-------------|--|------|
| 1                 | V-20851     | Screw - Latch  | 1    |
| 2                 | M-20852     | Latch  | 1    |
| 3                 | M-24114     | Catch - # 8 1/2 Frost  | 1    |
| 4                 | PG-7-23     | Groov-Pin - Type #5, 5/16" x 1-3/4"  | 1    |
| 5                 | M-23329     | Retainer - Seal  | 1    |
| 6                 | BB-6-41     | Ball Bearing - N.D. # 7507   | 1    |
| 7                 | R-20839     | Shaft - Lower Brg. Carrier Drive   | 1    |
| 8                 | FP-23-6     | Plug - 1/4" Sq. Hd. Pipe   | 1    |
| 9                 | BB-6-43     | Ball Bearing - N. D. # 43207   | 1    |
| 10                | WL-12-8     | Lock Washer - N.D. # W-07  | 1    |
| 11                | M-20853     | Nut - Lock   | 1    |
| 12                | M-20786-1   | Retainer - Bearing   | 1    |
| 13                | SC-38-5     | Cap Screw - 1/4"-20 x 1" Fil. Hd.  | 1    |
| 14                | S-69486     | Pulley - Drive   | 4    |
| 15                | SC-47-43    | Set Screw - 3/8"-16 x 1/2" Soc. Hdls. Kn. Cup Pt.  | 1    |
| 16                | KW-3-10     | Key - # 606 Woodruff   | 1    |
| 17                | NS-31-37    | Stop Nut - 1/2"-13 "Elastic"   | 1    |
| 18                | WL-4-12     | Lock Washer - 1/2" x .170" x .099"   | 4    |
| 19                | NS-13-30    | Full Nut - 1/2"-13 Hex Fin.  | 4    |
| 20                | R-23232     | Carrier - Lower Bearing  | 4    |
| 21                | M-67869     | Seal - Grease  | 1    |
| 22                | SC-13-85    | Mach. Screw - 1/4"-20 x 3/4" Flat Hd.  | 1    |
| 23                | M-60294-2   | Flanged Blade Pulley Sub-Assy. Unit (Incls. items #1, 2 & 3)                               | 4    |
|                   | R-23367     | Lower Brg. Carrier Sub-Assy. (Incls. items #4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 20, 21 & 22) | 1    |

# HOBART REPLACEMENT PARTS

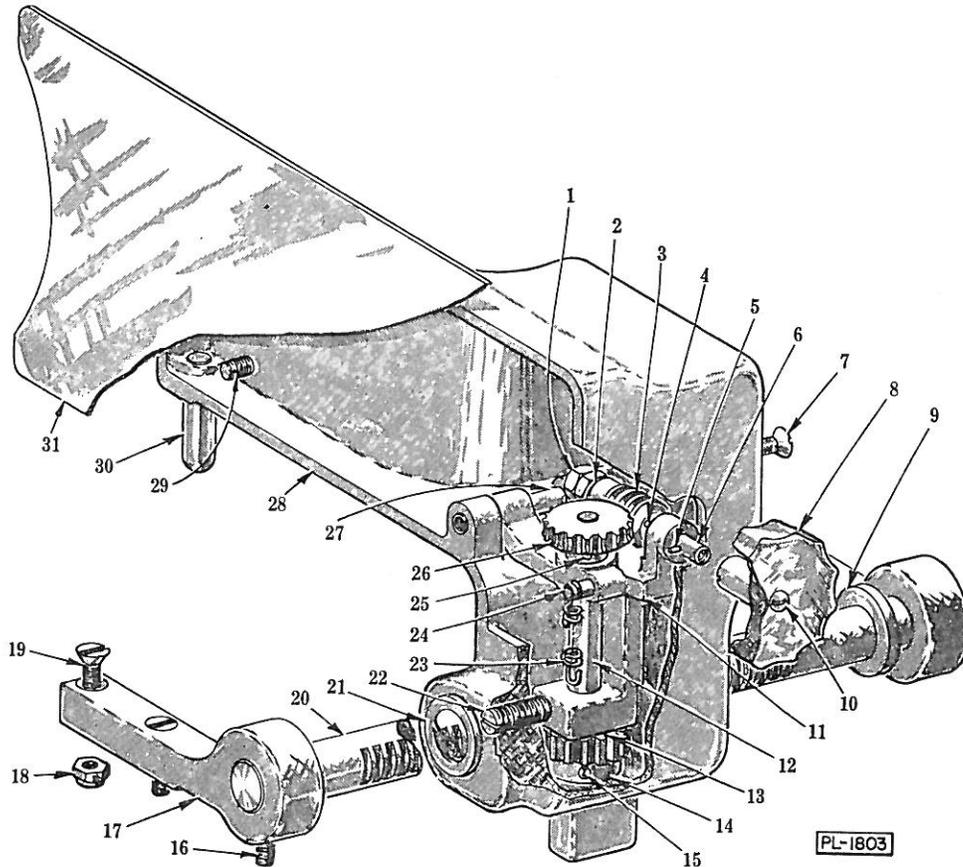


## TABLE, TRACK & CARRIAGE UNIT

| ILLUS. PL-2956 | PART NO.  | NAME OF PART                          | AMT. | ILLUS. PL-2956 | PART NO.    | NAME OF PART                            | AMT. |
|----------------|-----------|---------------------------------------|------|----------------|-------------|---|------|
| 1              | P-65218   | Plate - Track End (Right)             | 1    | 33             | SC-60-6     | Mach. Screw - 5/16" -18 x 1/2" Rd. Hd.  | 2    |
| 2              | SC-8-87   | Mach. Screw - 5/16"-18 x 5/8" Rd. Hd. | 4    | 34             | WL-3-43     | Lock Washer - 5/16" x .117" x .056"     | 2    |
| 3              | WS-4-25   | Washer                                | 4    | 35             | NS-17-6     | Jam Nut - 5/16"-18 Hex. Fin.            | 2    |
| 4              | NS-31-28  | Stop Nut - 5/16"-18 "Elastic"         | 4    | 36             | S-65225/LLK | Table Assy.                             | 1    |
| 5              | S-20967-2 | Plate - Butt End Push                 | 1    | 37             | P-64856     | Channel - Table Support                 | 1    |
| 6              | R-68406   | Carriage Assy.                        | 1    | 38             | NS-17-6     | Jam Nut - 5/16"-18 Hex Fin.             | 2    |
| 7              | P-23253-2 | Lever - Table Locking                 | 2    | 39             | WL-3-43     | Lock Washer - 5/16" x .117" x .056"     | 2    |
| 8              | M-23248   | Stop - Carriage (Base)                | 1    | 40             | SC-60-6     | Mach. Screw - 5/16"-18 x 1/2" Rd. Hd.   | 2    |
| 9              | NS-31-28  | Stop Nut - 5/16"-18 "Elastic"         | 2    | 41             | NS-17-1     | Jam Nut - 1/4" -20 Hex Fin.             | 4    |
| 10             | NS-17-8   | Jam Nut - 5/16"-18 Hex Fin.           | 2    | 42             | WL-3-36     | Lock Washer - 1/4" x .107" x .047"      | 4    |
| 11             | M-67245   | Thrust Plug & Holder Assy.            | 2    | 43             | SC-36-2     | Fin. Bolt - 1/4"-20 x 1/2" Hex Hd.      | 2    |
| 12             | V-23327   | Spring - Carriage Stop                | 1    | 44             | WL-3-36     | Lock Washer - 1/4" x .107" x .047"      | 2    |
| 13             | PG-7-18   | Groov - Pin - Type #5, 1/4" x 1"      | 1    | 45             | M-64900     | Center Table Lock Sub-Assy.             | 2    |
| 14             | M-23226   | Bracket - Table Latch                 | 2    | 46             | WS-3-35     | Washer                                  | 2    |
| 15             | PT-3-59   | Taper Pin - #4 x 3/4" Lg.             | 2    | 47             | RR-4-2      | Retaining Ring                          | 2    |
| 16             | SC-8-87   | Mach. Screw - 5/16"-18 x 5/8" Rd. Hd. | 2    | 48             | M-23254     | Cam - Table Locking                     | 2    |
| 17             | NS-31-28  | Stop Nut - 5/16"-18 "Elastic"         | 2    | 49             | PG-7-9      | Groov-Pin - Type #5, 1/8" x 5/8"        | 2    |
| 18             | WS-4-25   | Washer                                | 2    | 50             | SC-13-79    | Mach. Screw - 1/4" x 20 x 1/2" Flat Hd. | 4    |
| 19             | V-20866   | Screw - Roller Retaining              | 8    | 51             | V-24121     | Table Rest Assy.                        | 4    |
| 20             | R-65213   | Front Track Assy.                     | 1    | 52             | WL-3-36     | Lock Washer - 1/4" x .107" x .047"      | 4    |
| 21             | SC-8-87   | Mach. Screw - 5/16"-18 x 5/8" Rd. Hd. | 2    | 53             | SC-36-2     | Fin. Bolt - 1/4"-20 x 1/2" Hex Hd.      | 4    |
| 22             | WS-4-25   | Washer                                | 2    | 54             | SC-13-54    | Mach. Screw - #10-24 x 7/8" Flat Hd.    | 2    |
| 23             | NS-31-28  | Stop Nut - 5/16"-18 "Elastic"         | 2    | 55             | V-20893     | Guard - Saw Blade                       | 1    |
| 24             | BB-8-2    | Ball Bearing - NICE #400-24           | 8    | 56             | P-20816-1   | Guard - Hand                            | 1    |
| 25             | WS-17-5   | Washer                                | 8    | 57             | SC-15-84    | Mach. Screw - 1/4"-20 x 7/8" Oval Hd.   | 2    |
| 26             | NS-31-28  | Stop Nut - 5/16"-18 "Elastic"         | 8    |                |             |   |      |
| 27             | P-65217   | Plate - Track End (Left)              | 1    |                |             |   |      |
| 28             | SC-8-87   | Mach. Screw - 5/16"-18 x 5/8" Rd. Hd. | 4    |                |             |   |      |
| 29             | WS-4-25   | Washer                                | 4    |                |             |   |      |
| 30             | NS-31-28  | Stop Nut - 5/16"-18 "Elastic"         | 4    |                |             |   |      |
| 31             | R-65212   | Rear Track Assy.                      | 1    |                |             |   |      |
| 32             | P-64856   | Channel - Table Support               | 1    |                |             |   |      |

*Handwritten notes:*  
 NLA  
 7/10  
 Carriage Assy. complete

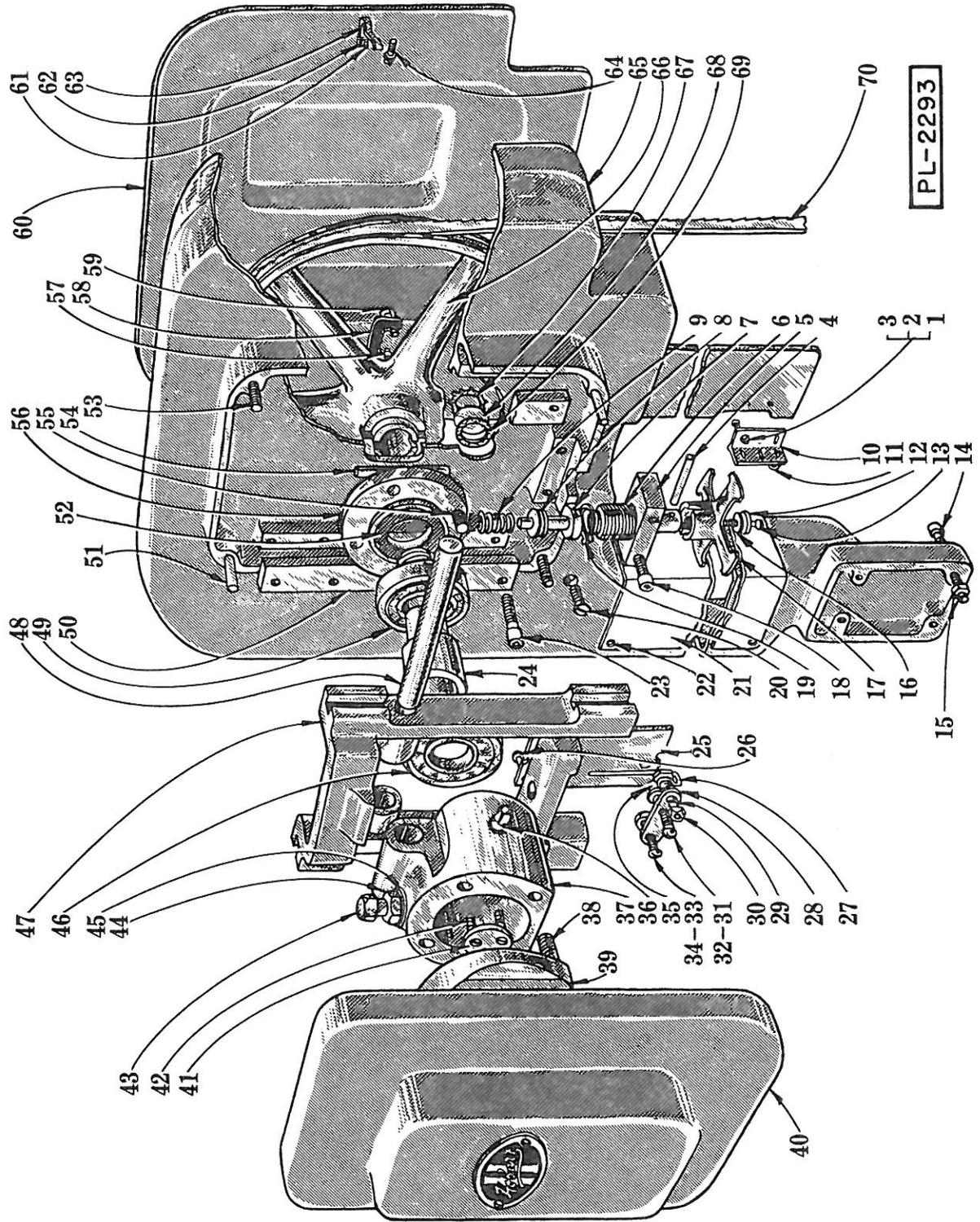
## HOBART REPLACEMENT PARTS



PL-1803

### GAGE PLATE UNIT

| ILLUS. NO. | PART NO.  | NAME OF PART  | AMT.      |
|------------|-----------|---|-----------|
| 1          | NS-17-10  | Jam Nut - 5/16"-24 Hex Fin.   | 2         |
| 2          | WS-4-20   | Washer  | 1         |
| 3          | M-20887   | Worm (1-T)  | 1         |
| 4          | PG-7-9    | Groov-Pin - Type #5, 1/8" x 5/8"  | 1         |
| 5          | PG-7-9    | Groov-Pin - Type #5, 1/8" x 5/8"  | 1         |
| 6          | V-20841   | Shaft - Worm  | 1         |
| 7          | SC-16-12  | Mach. Screw - 1/4"-20 x 3-1/4" Oval Hd.   | 1         |
| 8          | M-20814-2 | Knob - Hand   | 1         |
| 9          | V-23736   | Washer - Bumper   | 1         |
| 10         | SC-16-4   | Mach. Screw - #10-24 x 1" Oval Hd.  | 1         |
| 11         | P-20811   | Bracket - Gear  | 1         |
| 12         | V-20834   | Shaft - Gear  | 1         |
| 13         | WS-7-18   | Washer  | 1         |
| 14         | M-20879   | Gear - Rack (20T)   | As Req'd. |
| 15         | RP-2-10   | Rollpin - 3/16" Dia. x 1" Lg.   | 1         |
| 16         | SC-47-15  | Set Screw - 1/4"-20 x 1/2" Soc. Hdls. Kn. Cup Pt.   | 1         |
| 17         | P-23238   | Bracket - Rack Support  | 2         |
| 18         | NS-31-17  | Stop Nut - 1/4"-20 "Elastic"  | 2         |
| 19         | SC-13-91  | Mach. Screw - 1/4"-20 x 1-1/4" Flat Hd.   | 4         |
| 20         | P-64720   | Rack - Gage Plate   | 4         |
| 21         | V-20826   | Bushing - Gage Plate  | 1         |
| 22         | SC-46-79  | Set Screw - 1/2"-13 x 1/2" Flat Pt.   | 2         |
| 23         | V-20962   | Spring - Gear Bracket   | 4         |
| 24         | V-20900   | Stud - Spring   | 1         |
| 25         | PG-3-13   | Groov-Pin - Type #1, 1/8" x 5/8"  | 2         |
| 26         | M-20885   | Gear - Worm (20T)   | 1         |
| 27         | V-20835   | Pin - Hinge   | 1         |
| 28         | P-64729   | Gage Plate Support & Bushing Sub-Assy. (Incls. item #21)  | 1         |
| 29         | SC-15-85  | Mach. Screw - 1/4"-20 x 3/4" Oval Hd.   | 1         |
| 30         | M-64737   | Shoe - Gage Plate   | 2         |
| 31         | R-68405   | Gage Plate Sub-Assy.  | 1         |
|            | S-64721   | Gage Plate Sub-Assy. Unit (Incls. items #1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 22, 23, 24, 25, 26, 27, 28, 29, 30 & 31) | 1         |



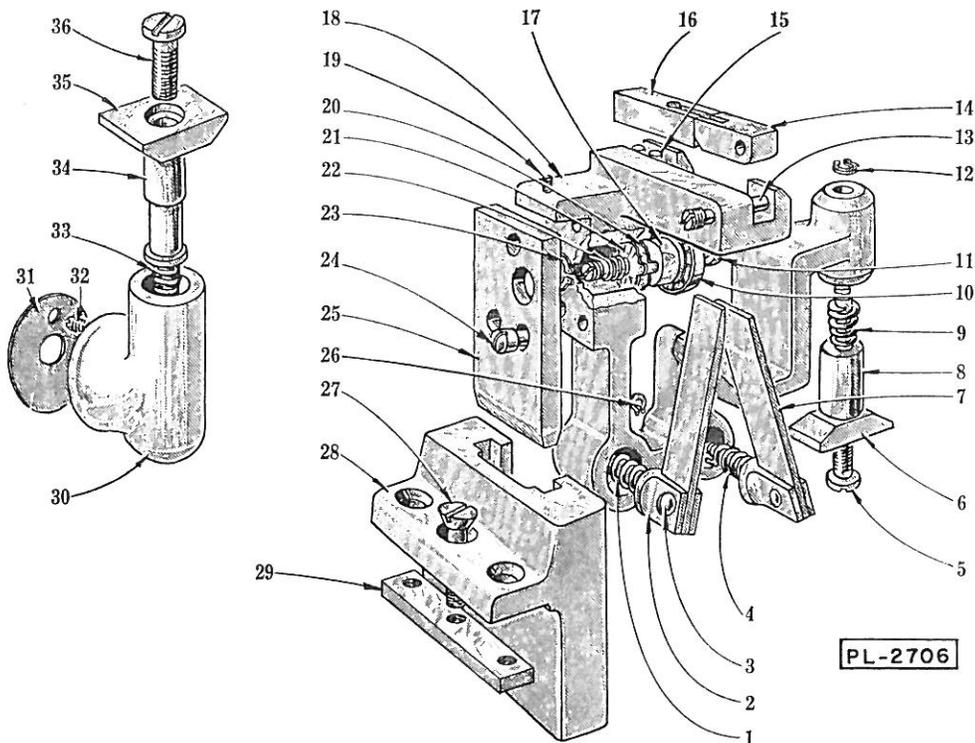
HEAD UNIT

**HOBART REPLACEMENT PARTS**

**HEAD UNIT**

| ILLUS.<br>PL-2293 | PART<br>NO. | NAME OF PART   | AMT. |
|-------------------|-------------|--|------|
| 1                 | SC-13-46    | Mach. Screw - #10-24 x 1/2" Flat Hd. -----   | 6    |
| 2                 | NS-31-11    | Stop Nut - #10-24 "Elastic" -----  | 12   |
| 3                 | WS-2-19     | Washer -----   | 12   |
| 4                 | RP-2-17     | Rollpin - 1/4" Dia. x 1" Lg. -----   | 1    |
| 5                 | M-23262     | Nut - Blade Tension Adj. -----   | 1    |
| 6                 | M-23264     | Screw - Blade Tension Adj. -----   | 1    |
| 7                 | BB-13-1     | Ball Bearing - Nice #603 -----   | 1    |
| 8                 | M-23265     | Spool - Adj. Blade Tension -----   | 1    |
| 9                 | M-20867     | Spring - Adj. Blade Tension -----  | 1    |
| 10                | M-23271-1   | Hinge - Door to Head -----   | 2    |
| 11                | SC-13-54    | Mach. Screw - #10-24 x 7/8" Flat Hd. -----   | 6    |
| 12                | WC-4-16     | Csk. Washer - 1/4" -----   | 1    |
| 13                | SC-16-2     | Mach. Screw - 1/4"-20 x 1" Oval Hd. -----  | 1    |
| 14                | SC-40-37    | Cap Screw - 1/2"-13 x 2" Soc. Fil. Hd. -----   | 4    |
| 15                | NS-31-37    | Stop Nut - 1/2"-13 "Elastic" -----   | 4    |
| 16                | WS-3-35     | Washer -----   | 1    |
| 17                | P-23266-1/2 | Wheel - Hand -----   | 1    |
| 18                | SC-40-24    | Cap Screw - 3/8"-16 x 1-1/2" Soc. Fil. Hd. -----   | 2    |
| 19                | RR-4-8      | Retaining Ring -----   | 1    |
| 20                | SC-14-26    | Mach. Screw - 3/8"-16 x 1-1/2" Flat Hd. -----  | 1    |
| 21                | R-64333     | Shield - Head -----  | 1    |
| 22                | SD-7-15     | Self-Tapping Screw - #6 x 3/16" Phillips Bind. Hd., Type B -----   | 3    |
| 23                | SC-40-14    | Cap Screw - 5/16"-18 x 3/4" Soc. Fil. Hd. -----  | 8    |
| 24                | P-66678     | Shaft - Upper -----  | 1    |
| 25                | M-23257     | Dial - Indicator -----   | 1    |
| 26                | SC-7-71     | Mach. Screw - #10-24 x 1/4" Rd. Hd. -----  | 2    |
| 27                | V-23259     | Pointer - Indicator -----  | 1    |
| 28                | V-23258     | Arm - Lever for Indicator -----  | 1    |
| 29                | V-23261     | Screw - Special for Lever -----  | 1    |
| 30                | NS-31-11    | Stop Nut - #10-24 "Elastic" -----  | 1    |
| 31                | SC-7-42     | Mach. Screw - #8-32 x 1/2" Rd. Hd. -----   | 1    |
| 32                | NS-31-5     | Stop Nut - #8-32 "Elastic" -----   | 1    |
| 33                | SC-7-74     | Mach. Screw - #10-24 x 3/8" Rd. Hd. -----  | 1    |
| 34                | NS-9-21     | Mach. Nut - #10-24 Hex. -----  | 1    |
| 35                | V-23260     | Spool - Lever Indicator -----  | 1    |
| 36                | FP-28-6     | Plug - 1/4" Sq. Hd. Pipe -----   | 1    |
| 37                | R-20800     | Carrier - Upper Bearing -----  | 1    |
| 38                | SC-38-3     | Cap Screw - 1/4"-20 x 3/4" Fil. Hd. -----  | 4    |
| 39                | P-20794-1   | Cap - L.H. Upper Bearing -----   | 1    |
| 40                | S-23267     | Cover - Head -----   | 1    |
| 41                | V-20846     | Retainer - Upper Bearing -----   | 1    |
| 42                | SC-13-46    | Mach. Screw - #10-24 x 1/2" Flat Hd. -----   | 2    |
| 43                | SC-36-56    | Fin. Bolt - 3/8"-16 x 1-1/8" Hex. Hd. -----  | 1    |
| 44                | NS-13-22    | Full Nut - 3/8"-16 Hex Fin. -----  | 1    |
| 45                | WL-4-2      | Lock Washer - 3/8" x .136" x .070" -----   | 1    |
| 46                | BB-6-43     | Ball Bearing - N.D. #43207 -----   | 1    |
| 47                | R-23263     | Slide - Upper Bearing Carrier -----  | 1    |
| 48                | V-20854     | Pin - Hinge -----  | 1    |
| 49                | BB-7-41     | Ball Bearing - N.D. #Z-99507 -----   | 1    |
| 50                | M-20849     | Gib -----  | 2    |
| 51                | P-11800-206 | Dowel (Cover to Head) -----  | 2    |
| 52                | M-67869     | Grease Seal - 1-3/8" Dia. Shaft -----  | 1    |
| 53                | SC-14-43    | Mach. Screw - 1/4"-20 x 2-1/2" Flat Hd. -----  | 2    |
| 54                | PG-7-23     | Groov-Pin - Type #5, 5/16" x 1-3/4" -----  | 1    |
| 55                | SC-13-79    | Mach. Screw - 1/4"-20 x 1/2" Flat Hd. -----  | 4    |
| 56                | M-67010     | R.H. Upper Bearing Cap Sub-Assy. (Incls. item #52) -----   | 1    |
| 57                | M-24114     | Catch - #8-1/2 Frost -----   | 1    |
| 58                | M-20852     | Latch -----  | 1    |
| 59                | V-20851     | Screw - Latch -----  | 1    |
| 60                | S-65291     | Door - Head -----  | 1    |
| 61                | NS-31-11    | Stop Nut - #10-24 "Elastic" -----  | 2    |
| 62                | SC-13-43    | Mach. Screw - #10-24 x 3/8" Flat Hd. -----   | 2    |
| 63                | V-20894     | Clip - Spring -----  | 1    |
| 64                | M-63642     | Screw - Spring Clip -----  | 1    |
| 65                | T-65290     | Head -----   | 1    |
| 66                | M-60294-2   | Flanged Pulley (Blade) Sub-Assy. Unit (Incls. items #57, 58 & 59) --   | 1    |
| 67                | M-23335     | Ring - Lens Retaining -----  | 1    |
| 68                | V-20889     | Lens - Indicator -----   | 1    |
| 69                | V-20898     | Gasket - Indicator Lens -----  | 1    |
| 70                | P-65300     | Blade - Saw -----  | 1    |
|                   | M-66680     | Upper Brg. Carrier Sub-Assy. (Incls. items #24, 36, 37, 38, 39, 41, 42,<br>43, 44, 45, 46, 49, 54, 55 & 56) -----      | 1    |
|                   | S-23354     | Upper Brg. Carrier & Slide Assy. (Incls. items #25, 26, 27, 28, 29,<br>30, 31, 32, 33, 34, 35, 47, 48 & M-66680) ----- | 1    |

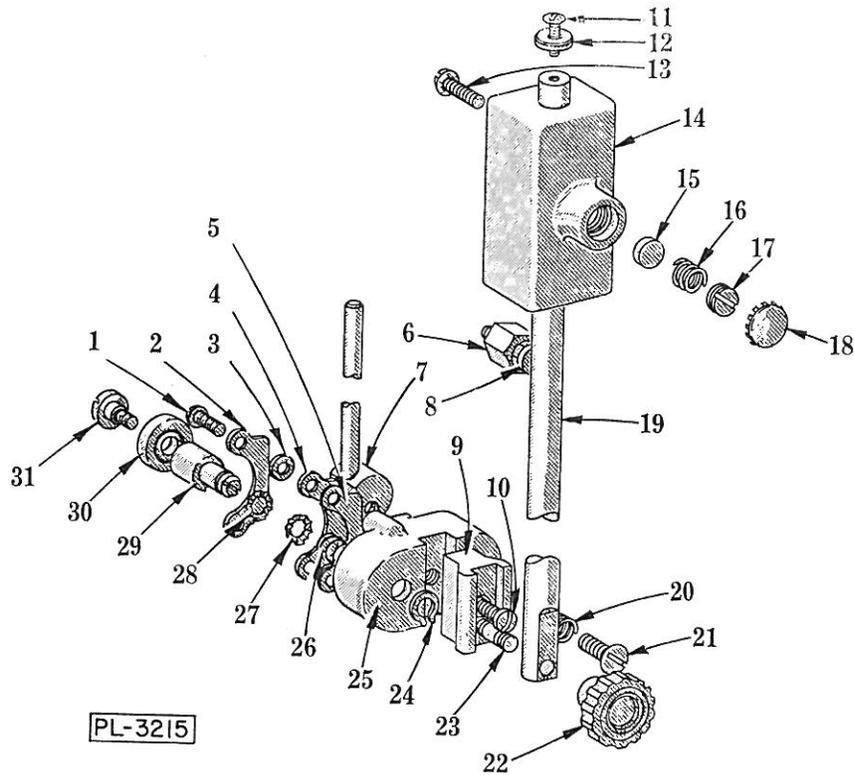
## HOBART REPLACEMENT PARTS



### UPPER & LOWER WIPER AND GUIDE UNIT

| ILLUS. NO. | PART NO. | NAME OF PART   | AMT.      |
|------------|----------|--|-----------|
| 1          | M-20031  | Spring - R. H. Tension   | 1         |
| 2          | M-20831  | Holder - Blade Wiper   | 2         |
| 3          | SC-15-48 | Mach. Screw - #10-24 x 7/16" Oval Hd.                                      | 2         |
| 4          | M-20932  | Spring - L. H. Tension   | 1         |
| 5          | V-3404-6 | Screw  | 1         |
| 6          | M-22027  | Wiper - Blade Pulley   | 1         |
| 7          | M-20829  | Wiper - Saw Blade  | 2         |
| 8          | V-20837  | Plunger  | 1         |
| 9          | V-7433-2 | Spring   | 1         |
| 10         | BB-17-35 | Ball Bearing - N.D. #77501   | 1         |
| 11         | V-20840  | Screw - Bearing Retaining  | 1         |
| 12         | RR-4-2   | Retaining Ring   | 1         |
| 13         | V-20895  | Pin - Hinge  | 1         |
| 14         | V-20865  | Guard - Lower Saw Blade  | 1         |
| 15         | SC-11-48 | Mach. Screw - #10-24 x 5/8" Fil. Hd.                                       | 2         |
| 16         | M-68541  | Guide - Lower Saw Blade  | 1         |
| 17         | M-23236  | Shaft  | 1         |
| 18         | R-23235  | Bracket - Wiper  | 1         |
| 19         | SC-46-17 | Set Screw - #10-24 x 3/8" Flat Pt.   | 1         |
| 20         | M-23328  | Washer (Rotating)  | 1         |
| 21         | M-23275  | Washer (Stationary)  | 1         |
| 22         | V-23326  | Spring   | 1         |
| 23         | RR-4-4   | Retaining Ring   | 1         |
| 24         | SC-12-69 | Mach. Screw - 1/4"-20 x 1/2" Fil Hd.                                       | 3         |
| 25         | M-23234  | Slide - Lower Wiper Bracket  | 1         |
| 26         | RR-4-2   | Retaining Ring   | 2         |
| 27         | SC-13-89 | Mach. Screw - 1/4"-20 x 1" Flat Hd.  | 3         |
| 28         | P-23233  | Slideway - Wiper Bracket   | 1         |
| 29         | M-65601  | Plate - Wiper Bracket Retainer   | 1         |
| 30         | P-23268  | Bracket - Upper Wiper  | 1         |
| 31         | M-24567  | Gasket - Wiper Bracket   | As Req'd. |
| 32         | SC-46-13 | Set Screw - #10-24 x 1/2" Flat Pt.   | 2         |
| 33         | M-23325  | Spring - Upper Wiper   | 1         |
| 34         | M-23269  | Plunger - Upper Wiper  | 1         |
| 35         | M-22027  | Wiper  | 1         |
| 36         | V-3404-6 | Screw  | 1         |
|            | S-23366  | Lower Wiper Sub-Assy. (Incls. items #1 to 26 incl.)                        | 1         |
|            | M-23349  | Upper Blade Pulley Wiper Sub-Assy. (Incls. items #30, 32, 33, 34, 35 & 36) | 1         |

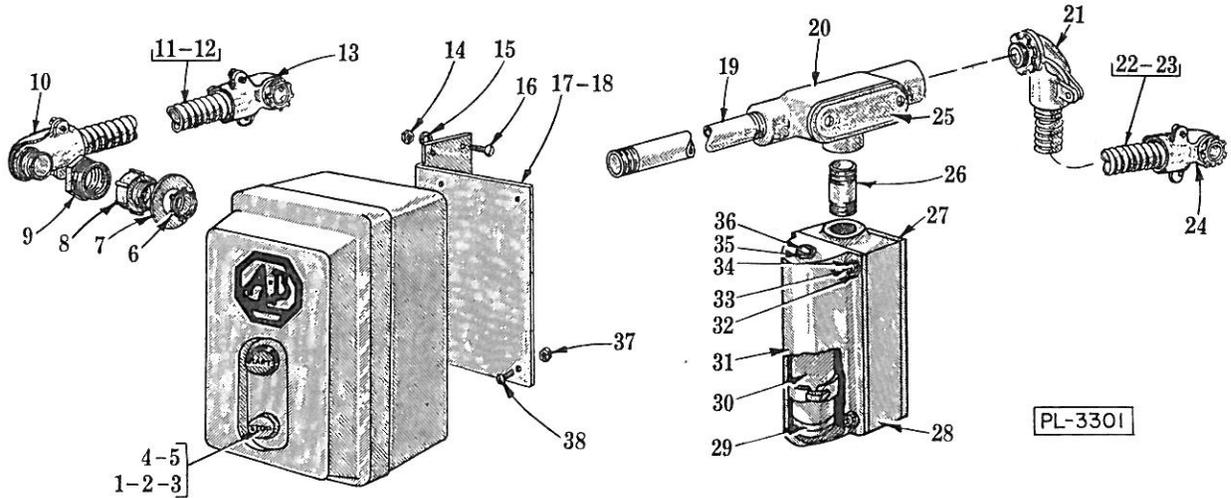
**HOBART REPLACEMENT PARTS**



**UPPER GUIDE UNIT**

| ILLUS. NO. | PART NO.  | NAME OF PART  | AMT.     |
|------------|-----------|---|----------|
| 1          | SC-10-36  | Mach. Screw - #10-24 x 5/8" Truss Hd. -----   | 2        |
| 2          | M-67182   | Guide - Blade -----   | 1        |
| 3          | M-67233   | Spacer - Blade Guide -----  | 2        |
| 4          | M-67182   | Guide - Blade -----   | 1        |
| 5          | M-67655   | Shim - Upper Guide Support -----  | As Reqd. |
| 6          | M-69714   | Nut - Adjusting Screw -----   | 1        |
| 7          | M-68350   | Upper Guide Guard & Support Assy. -----   | 1        |
| 8          | M-68348   | Screw - Slide Rod Adjusting -----   | 1        |
| 9          | P-68351   | Adapter - Upper Guide -----   | 1        |
| 10         | SC-24-10  | Mach. Screw - 5/16"-18 x 3/4" Fil. Hd. -----  | 1        |
| 11         | SC-53-16  | Mach. Screw - 5/16"-18 x 5/8" Truss Hd. -----   | 1        |
| 12         | M-69849   | Stop - Slide Rod -----  | 1        |
| 13         | SC-10-30  | Mach. Screw - 1/4"-20 x 1" Truss Hd. -----  | 5        |
| 14         | R-68345   | Guide - Slide Rod -----   | 1        |
| 15         | M-67239   | Shoe - Slide Rod -----  | 1        |
| 16         | V-12734   | Spring -----  | 1        |
| 17         | M-67427   | Set Screw - Upper Guide -----   | 1        |
| 18         | PB-2-26   | Plug Button -----   | 1        |
| 19         | P-69847   | Rod - Slide -----   | 1        |
| 20         | V-20963   | Spring - Blade Guard -----  | 1        |
| 21         | M-67843   | Screw - Special Truss Hd. -----   | 1        |
| 22         | M-67315   | Knob -----  | 1        |
| 23         | V-21158   | Stud - Upper Guide Support -----  | 1        |
| 24         | RR-4-4    | Retaining Ring -----  | 1        |
| 25         | R-67197   | Support - Upper Guide -----   | 1        |
| 26         | V-23326   | Spring - Adjusting Blade Guide -----  | 1        |
| 27         | M-23275   | Washer - Lock Adjusting Blade (Stat.) -----   | 1        |
| 28         | M-23328   | Washer - Lock Adjusting Blade (Rot.) -----  | 1        |
| 29         | M-67183   | Shaft - Upper Guide Support -----   | 1        |
| 30         | BB-17-35  | Ball Bearing - N.D. #77501 -----  | 1        |
| 31         | V-20840   | Screw - Bearing Retaining -----   | 1        |
|            | P-69596-2 | Upper Guide Assy. (Incls. items #1, 2, 3, 4, 5, 7, 9, 10, 20, 21, 23, 24,<br>25, 26, 27, 28, 29, 30 & 31) ----- | 1        |

**HOBART REPLACEMENT PARTS**



**STARTER EQUIPMENT**

| ILLUS. NO. | PART NO.   | NAME OF PART  | AMT.     |
|------------|------------|---|----------|
| 1          | *          | Starter Thermal Element (Give Elec. Spec. & Mach. Model)    | As Reqd. |
| 2          | R-65964    | Manual Starter (Less Element) 1 Ph., 110-250 V. Application | 1        |
| 3          | R-65968    | Manual Starter (Less Element) 3 Ph., 110-600 V. Application | 1        |
| 4          | SS-14-8    | Manual Starter (Less Element) 2 Ph., 110-600 V. Application | 1        |
| *5         | R-65980    | D.C. Starter (Less Element)                                 | 1        |
| 6          | FE-6-5     | Lock Nut - 1/2" Conduit                                     | 1        |
| 7          | WS-12-24   | Washer  | As Reqd. |
| 8          | FE-6-39    | Enlarger - Male Conduit (1/2" to 3/4")                      | 1        |
| 9          | FE-6-33    | Reducer - Female Conduit (3/4" to 1/2")                     | 1        |
| 10         | FE-2-17    | Connector - 90° (1/2" x 1/2" Flex. Conduit)                 | 1        |
| 11         | P-24127-85 | Conduit - 1/2" x 33" Lg. - Flexible                         | 1        |
| 12         | BF-2-19    | Bushing - 1/2" Anti-Short                                   | 2        |
| 13         | FE-2-17    | Connector - 90° (1/2" x 1/2" Flex. Conduit)                 | 1        |
| 14         | NS-9-21    | Mach. Nut - #10-24 Hex                                      | 4        |
| 15         | WL-3-22    | Lock Washer - #10 x .055" x .040"                           | 4        |
| 16         | SC-7-77    | Mach. Screw - #10-24 x 1/2" Rd. Hd.                         | 4        |
| 17         | R-65620    | Bracket - Switch  | 1        |
| 18         | R-69738    | Bracket - Switch (2 Ph. ONLY)                               | 1        |
| *19        | FE-5-64    | Nipple - 1/2" x 11" Lg. (T.B.E.)                            | 1        |
| *20        | FE-3-18    | Box - Junction  | 1        |
| *21        | FE-2-17    | Connector - 90° (1/2" x 1/2" Flex. Conduit)                 | 1        |
| *22        | P-24127-64 | Conduit - 1/2" x 20" Lg. Flexible                           | 1        |
| *23        | BF-2-19    | Bushing - 1/2" Anti-Short                                   | 2        |
| *24        | FE-2-17    | Connector - 90° (1/2" x 1/2" Flex. Conduit)                 | 1        |
| *25        | FE-4-18    | Cover - Junction Box  | 1        |
| *26        | FE-5-3     | Nipple - 1/2" x 1-1/2" Lg. (T.B.E.)                         | 1        |
| *27        | P-20969    | Cover - Connection Box                                      | 1        |
| *28        | R-20968    | Box - Connection  | 1        |
| *29        | WS-3-9     | Washer  | 2        |
| *30        | P-20175    | Coil - Resistance (Give Voltage)                            | 1        |
| *31        | P-14670    | Box - Resistance Coil                                       | 1        |
| *32        | WL-3-22    | Lock Washer - #10 x .055" x .040"                           | 4        |
| *33        | SC-7-91    | Mach. Screw - #10-24 x 2-1/4" Rd. Hd.                       | 4        |
| *34        | NS-9-21    | Mach. Nut - #10-24 Hex                                      | 4        |
| *35        | WL-3-43    | Lock Washer - 5/16" x .117" x .056"                         | 2        |
| *36        | SC-9-4     | Mach. Screw - 5/16"-18 x 3/4" Rd. Hd.                       | 2        |
| 37         | NS-9-21    | Mach. Nut - #10-24 Hex                                      | 4        |
| 38         | SC-7-74    | Mach. Screw - #10-24 x 3/8" Rd. Hd.                         | 4        |

\* D.C. Starter Equipment

\* Hobart Service Men to Use Starter Element Part No. as Listed on Starter Parts Sheets.