

Owner's Guide

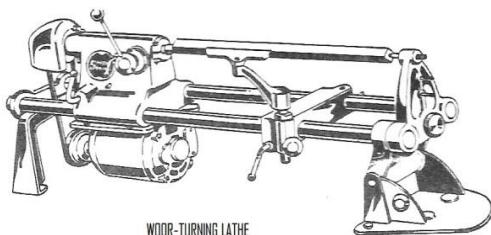
ASSEMBLY ■ MAINTENANCE ■ REPAIR PARTS LIST

Manual Restoration 2016 Everett L. Davis

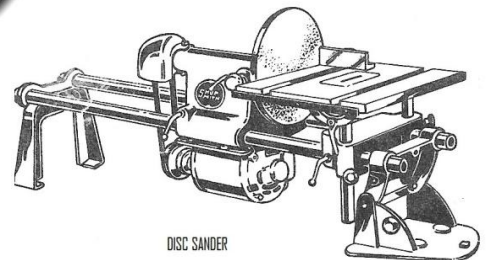
MODEL NO. 10 - E

MULTI-PURPOSE

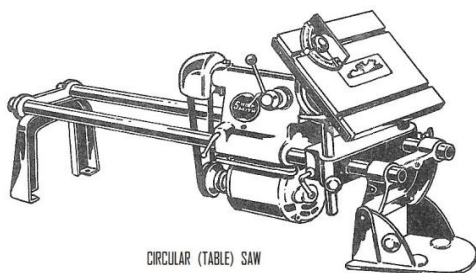
POWER TOOL



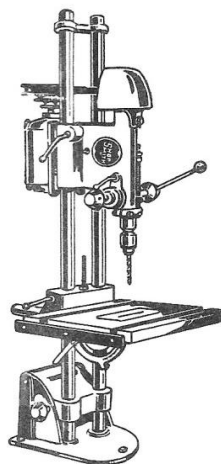
WOOD-TURNING LATHE



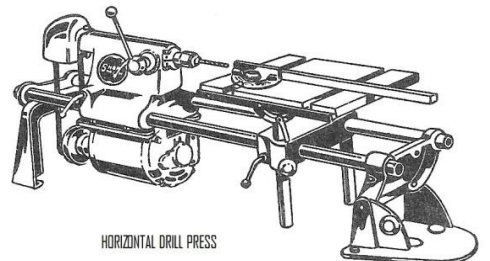
DISC SANDER



CIRCULAR (TABLE) SAW



VERTICAL DRILL PRESS



HORIZONTAL DRILL PRESS

MAGNA ENGINEERING CORPORATION
SAN FRANCISCO, CALIF.

1947

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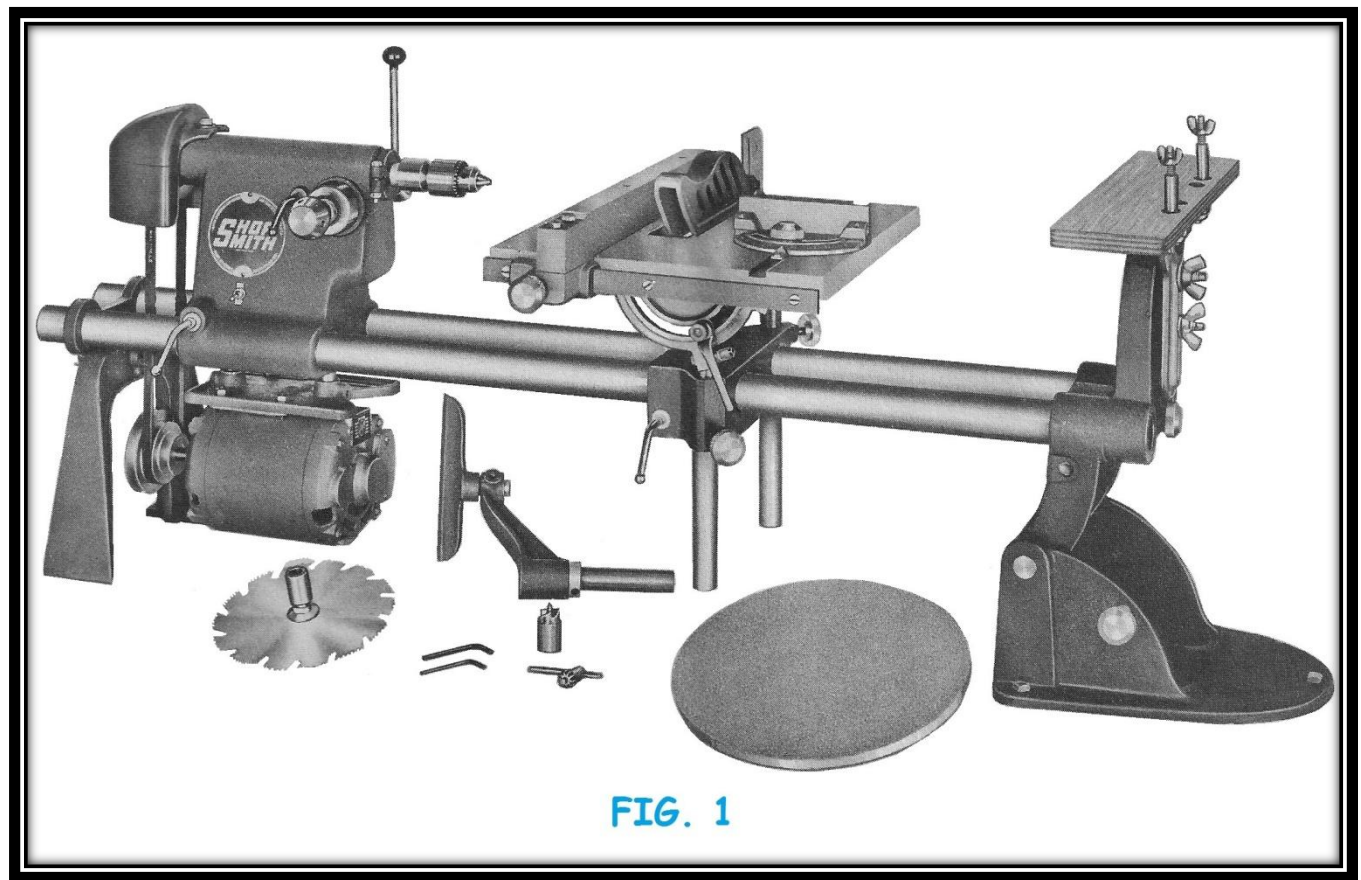


FIG. 1

SHOPSMITH MULTI-PURPOSE POWER TOOL

INSTALLATION

PACKING LIST - the crate in which your Shopsmith multipurpose power tool is received contains the following items ([Fig. 1](#)):

1. Basic Shopsmith, complete with Frame Assembly, Head-stock and Table Assembly.
2. Fiber carton containing one each: Tailstock, Headrest, Table Extension Bracket, Rip Fence, Miter Gauge, Saw Guard and Splitter, Motor Pulley, Lathe Tool-Rest, Sanding Disc (with sandpaper disc and tube of adhesive), 8-inch Combination Tooth Circular Saw Blade, Saw Arbor, Jacobs Key Chuck, Lathe Spur Center, Lathe Tail Center, Feed Lever, Tailstock Knob, Toggle Switch, four Cap Screws for attaching motor to motor bracket. Plywood Extension Table is attached to outside of carton.
3. Envelope containing Blueprint and Instructions for constructing a suggested bench; Warranty Card and Owners Guide and Instruction Book.

Unpack carefully and check to see that you have all the parts listed above. Do not release any levers or force any parts until you have read the following instructions:

Assembly of the Shopsmith will be facilitated if you first clean off the moisture and rust-resisting compound with which certain parts have been coated for shipment. Use a rag and kerosene and, after all parts have been thoroughly cleaned and wiped dry, cover all unpainted steel surfaces with a thin film of light machine oil to prevent rusting. These surfaces, the tubular ways in particular, should be kept lightly oiled at all times. The entire machine should be protected with a canvas or similar type cover when not in use. This protection is especially recommended when the unit is to be installed in a basement shop.

SETTING UP THE SHOPSMITH

Because the Shopsmith is not a floor-type machine, a suitable base must be provided for mounting it. Instructions for making this base or bench are included with the machine. The bench should be 20 inches high, but this measurement can be varied to suit individual requirements. The bench top should be strongly constructed and reinforced. If a plywood top is used, be sure it is suitably supported underneath. If the support is not sufficiently rigid, the weight of the machine will cause the bench top to bow in the middle. The bench need not be bolted to the floor since it may be convenient, when handling large stock or long pieces, to shift the position of the bench.

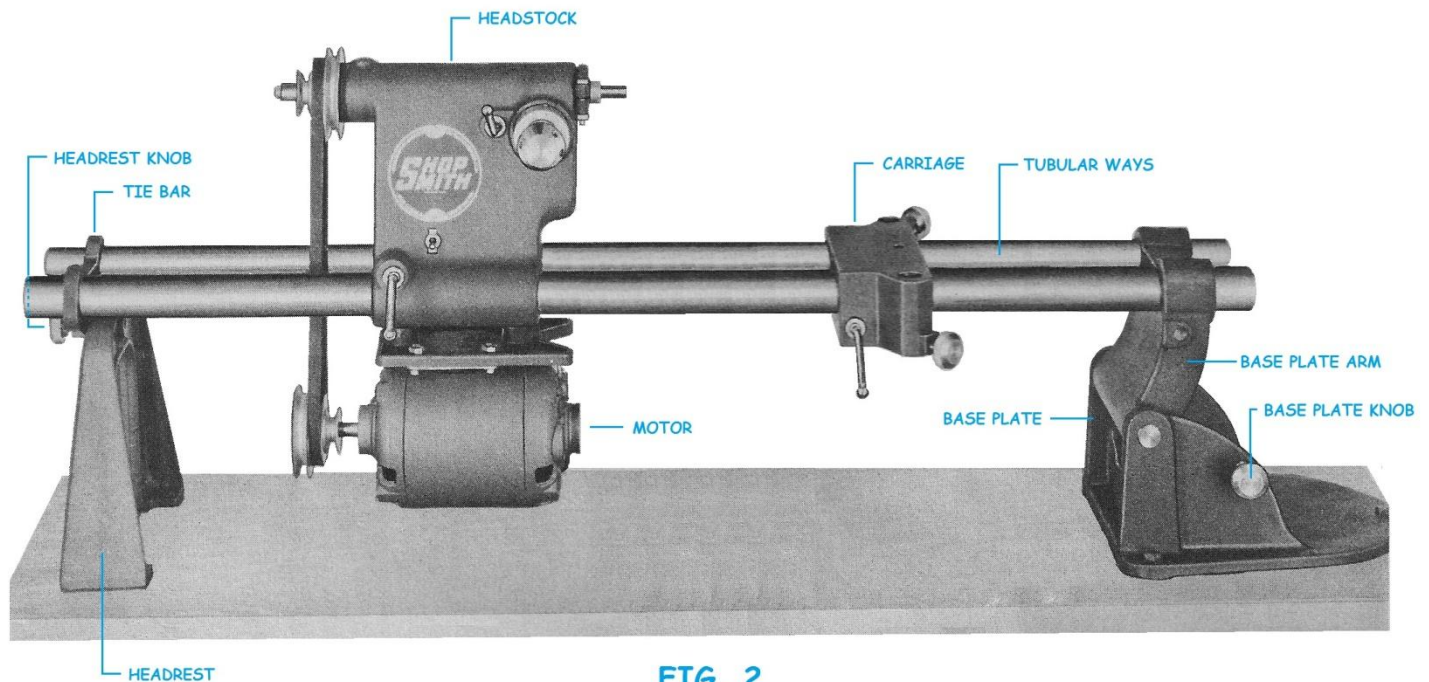


FIG. 2

ASSEMBLY

With a properly constructed bench provided, the machine can be completely assembled.

For convenience in packing, Shopsmith is secured in its crate in a vertical position. To assemble, loosen the carriage knob (Fig. 2) and pull the table completely free of the carriage. Hold the tubular ways with the left hand (to prevent falling), loosen the base plate knob and lower slowly until the ways rest on the bench.

Arrange Shopsmith on the bench top; locate and drill $\frac{3}{8}$ or $\frac{1}{2}$ inch holes for the base plate and bolt down securely with machine bolts. Drive the bolts through from the top side and apply nuts with washers between them and the wood top, from below.

ATTACHING HEADREST - Because the tie bar, across the ends of the tubular ways, describes an arc when the ways are raised to the vertical position, it is necessary to move headrest $\frac{1}{8}$ inch toward base plate. With the tubular ways resting on the headrest and the headrest knob tightened, locate and mark centers of the headrest holes on the bench top. However, do not drill holes at these points; move the center marks $\frac{1}{8}$ inch forward, toward the base plate, drill $\frac{3}{8}$ or $\frac{1}{2}$ inch bolt holes and bolt down solidly.

ATTACHING MOTOR SWITCH - The motor Bracket (Fig. 3) is attached to the headstock by means of Allen setscrews. These setscrews are located on the top and bottom of the headstock. Loosen them with the wrench provided and remove the motor bracket. This will give access to the inside of the headstock and allow the toggle switch to be inserted easily through hole in the headstock.

The Shopsmith motor is equipped with a short lead wire to facilitate connection of the switch. After attaching motor to motor bracket, as described below, thread short wire through the motor bracket slot (Fig. 4). If you do not have a Shopsmith motor, use an 18-inch length of No. 18 rubber-insulated cord and connect as described.

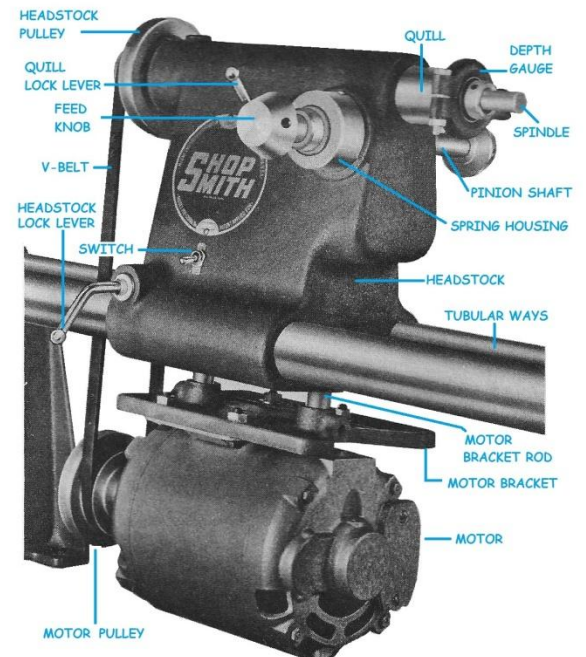


FIG. 3