

Fig. 2

VARIABLE SPEED CONTROL

The pilot wheel (A) Fig. 2, for Variable Speed Drive, should not be turned except when the motor is running, to avoid putting unnecessary strain on the variable speed drive belt and variable speed drive pulley assembly. The pilot wheel is turned clockwise to make the drill press run faster, and counter-clockwise to slow it down.

While changing speeds the pointer (B) Fig. 2, will indicate the speed of the drill press.

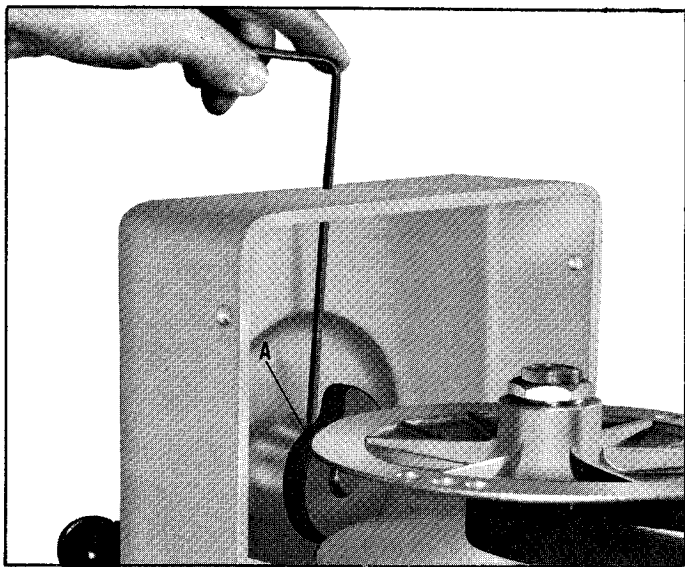


Fig. 3

A drag plug or "dampener" is provided to restrict the free rotation of the pilot wheel. The drag plug is properly adjusted at the factory so that the drill press will hold a constant speed and will not change speeds even on long production runs, but still the pilot wheel can be turned manually to change speeds as desired. If it ever becomes necessary to change the adjustment, use a long allen wrench and insert it down through the hole located in the top of the guard, as shown in Fig. 3. Turn the set screw (A) Fig. 3, clockwise to increase or counter-clockwise to decrease the "dampener" pressure on the pilot wheel.

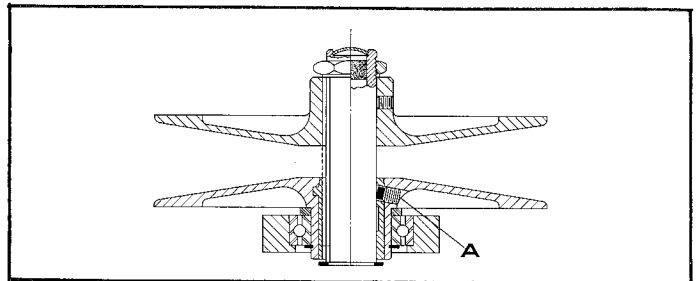


Fig. 3-A

Similar drag plugs or "dampeners" are provided in the spindle pulley and motor pulley assemblies, and are adjusted at the factory. After long service, it may be desirable to increase the pressure on the drag plugs by tightening set screws (A) Fig. 3A for the spindle pulley, and (M) Fig. 8 for the motor pulley. This adjustment does not have to be made, unless normal wear has resulted in noisy operation of the pulleys.

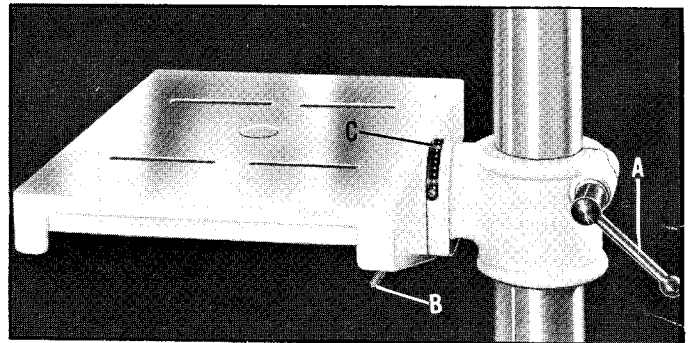


Fig. 4

TABLE ADJUSTMENTS

To adjust the table up or down loosen the lock bolt (A) Fig. 4, on the table bracket. Hold the table while doing so.

To tilt the table to the right or left, loosen the pivot nut located under the table, remove the pin (B) and tilt the table to the required angle and tighten the pivot nut. To set the table vertical, accurately, move the table to a vertical position, insert the pin (B) through one of the side holes in the apron of the table proper, and into the hole in the table bracket, then tighten the pivot nut. To return the table to the horizontal position, loosen the pivot nut, withdraw the pin (B), set the table level, then reinsert the pin through its holes and tighten the pivot nut.

The table has been designed with ledges, one on each side, to facilitate the clamping of work pieces. The table may also be tilted to any degree between horizontal and vertical positions. A scale (C) Fig. 4, is located at the rear of the table, and is graduated in degrees. When the table is tilted between horizontal and vertical positions, the pin (B) must be removed. The table can be tilted either right or left.

QUILL ADJUSTMENTS

The spindle is raised and lowered by the pilot wheel (A) Fig. 5. The quill can be locked at any desired point in its travel by tightening the quill lever (B) Fig. 5. This is an especially desirable feature for router and shaper work.