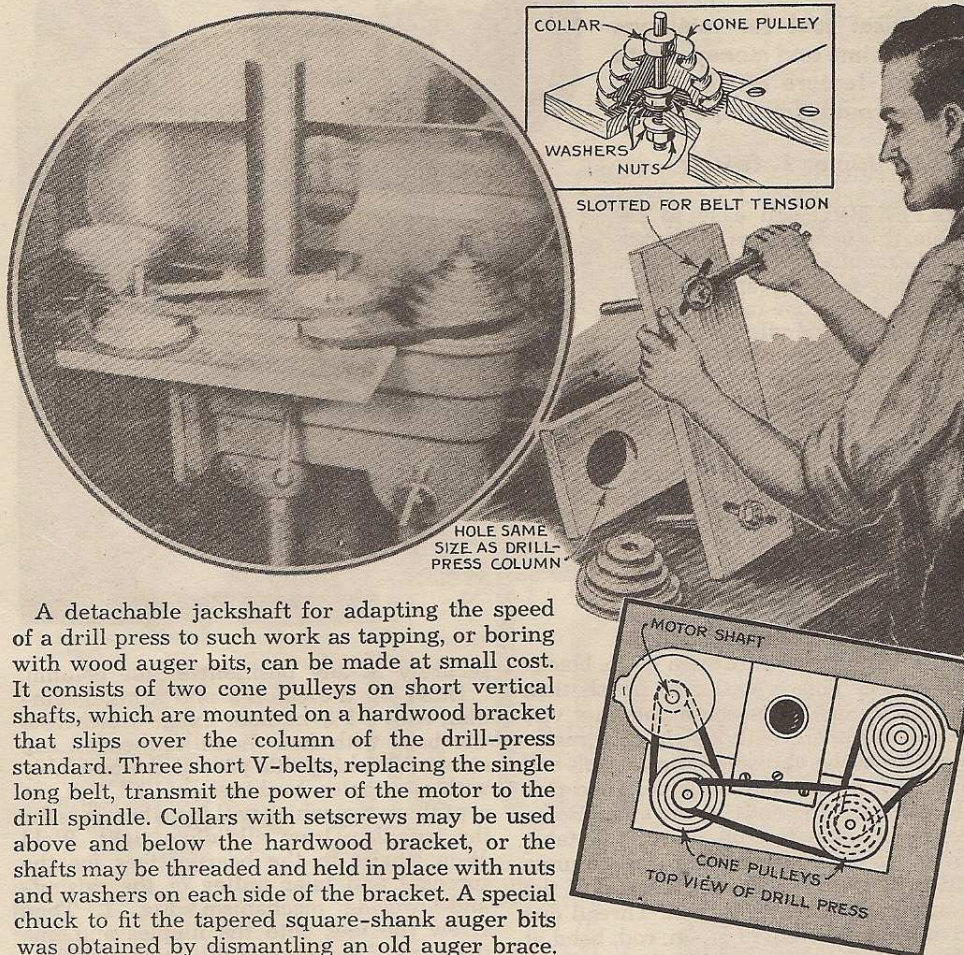
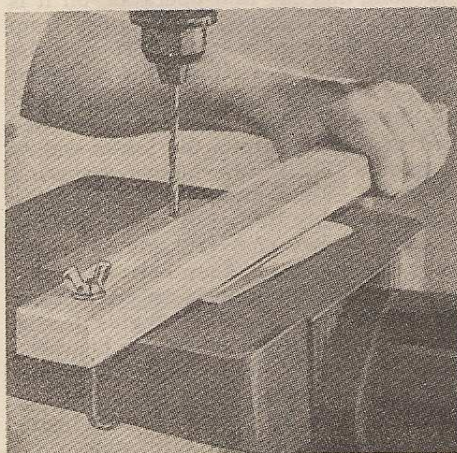


Removable Speed-Reducing Unit for Drill Press



A detachable jackshaft for adapting the speed of a drill press to such work as tapping, or boring with wood auger bits, can be made at small cost. It consists of two cone pulleys on short vertical shafts, which are mounted on a hardwood bracket that slips over the column of the drill-press standard. Three short V-belts, replacing the single long belt, transmit the power of the motor to the drill spindle. Collars with setscrews may be used above and below the hardwood bracket, or the shafts may be threaded and held in place with nuts and washers on each side of the bracket. A special chuck to fit the tapered square-shank auger bits was obtained by dismantling an old auger brace.



Sheet-Metal Work Is Held Safely On Drill-Press Table

Small pieces of thin sheet metal can be held safely on a drill-press table with this simple clamp, which consists of a handle cut from $\frac{3}{4}$ -in. stock and a bolt with washer and wing nut to fit. The underside of the handle is covered partially with a strip of fabric belting tacked or cemented in place while a hook is bent on the head end of the bolt so that it will slip over the table edge. In use, the work is placed under the wood strip and pressure is exerted on the handle to prevent the work from turning when operating the drill.