BAR CLAMPS

A variation of the C-clamp is the bar clamp which consists of a steel bar with a fixed jaw at one end and a sliding or adjustable part that has a screw with a handle and swivel. In use, the sliding part that has the screw is pushed up to the work and then the handle is turned to tighten the clamp. Bar clamps vary in size from six inches to six feet in length.

Many bar clamps have disc clutches in the sliding jaw to engage the clamp at any place on the bar. These clutches provide rapid adjustment in addition to secure hold. Certain bar clamps use an "I" shaped bar which provides great strength for its weight. A crank handle is used for applying the final pressure.

FIG. 52. The bar clamp is extremely useful for gluing up extra wide work, as shown above.