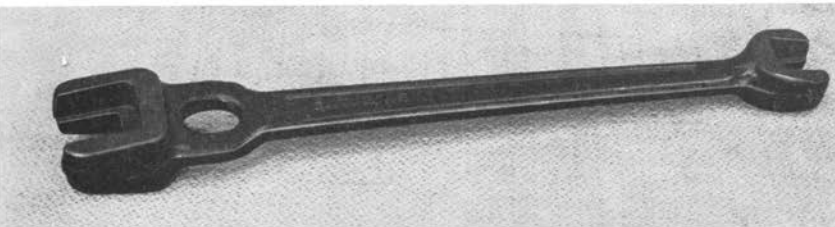


# "B" Lineman's Wrench

*Fig. 1—"B" lineman's wrench showing two sizes of openings at each end. The elliptical hole is used to orient steel pole steps.*



*Fig. 2—One end of the wrench showing two sizes of openings and the elliptical hole.*

As a result of continuing standardization of the bolts, nuts, and drive screws used in pole line construction, it is possible for the lineman to install almost all such devices with a single "B" lineman's wrench (Figure 1). This "one item tool kit" is a product of sound mechanical design, selection of proper steel, excellent drop-forging practices, and improvements stemming from daily use by the construction forces throughout the System.

The "B" lineman's wrench, thirteen inches long and weighing one and three-quarter pounds, is of the open-end double-end type with four sizes of openings, two on each end, as evident in Fig. 2. These

openings accommodate  $\frac{3}{8}$ -,  $\frac{1}{2}$ -,  $\frac{5}{8}$ - and  $\frac{3}{4}$ -inch nuts and the heads of  $\frac{1}{2}$ -inch drive screws over the wide range of tolerances in effect for rough and semi-finished galvanized bolts and nuts. The faces of each wrench opening taper with respect to the shank and thus permit the shank to clear adjacent work at a sufficient angle to permit the wrench to be turned without obstruction and provide adequate clearance for the workman's hand, as shown in Figure 3. To broaden the utility of this tool still further, an elliptical hole is forged in the large end of the wrench to be used either for orienting steel pole steps after they have been driven, or for removing them.

*Fig. 3 (left)—Tapered faces of "B" lineman's wrench set wrench shank at an angle to the work so that the shank and the workman's hand clear obstructions as the wrench is turned. Fig. 4 (right)—With the end of the steel pole step in the elliptical hole in the shank, the wrench becomes a lever either for turning the step into proper position or for unscrewing it from the pole.*

