

INTERENGAGEABLE STRUCTURAL MEMBERS

ABSTRACT

Structural members having an intermediate web and hollow tubular side flanges extending longitudinally of the web are formed in a cold rolling operation such that one of the tubular side flanges has an outside diameter smaller than the inside diameter of the opposite tubular side flange. The larger diameter side flange has a longitudinally slotted aperture to permit a composite structure to be formed by nesting the smaller diameter flange in the larger diameter flange of an adjacent structural member. The composite structure having a plurality of interconnected structural members may be assembled as a closed or open structure.

Fig. 31