

REPORT OF SPECIAL COMMITTEE ON STANDARDS FOR FLANGED FITTINGS AND FLANGES.

At the recommendation of the Committee, the Society accepted the 1912 U. S. Standard Schedule of Standard Weight and Extra Heavy Flanged Fittings and Flanges (published in the Journal of the *A. S. M. E.*—pamphlet copies available). The report (Transactions, Vol. XVIII, p. 44) embraces the following subjects:

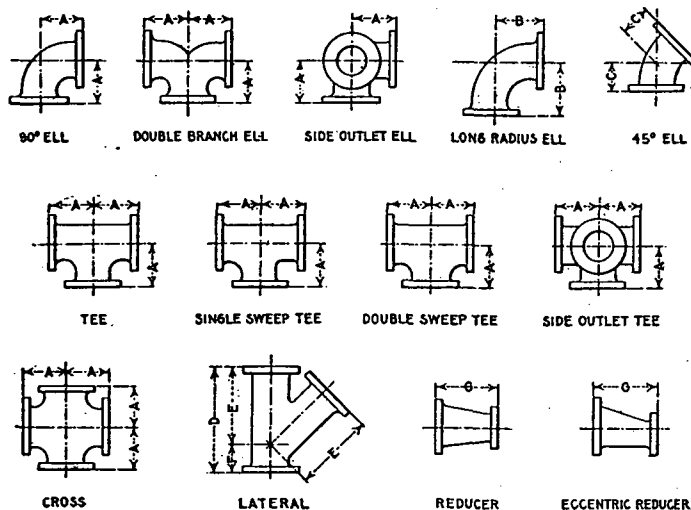


FIG. 1. STANDARD TYPES OF FLANGE FITTINGS DIMENSIONED IN
TABLES 1 AND 2

Bolt Circles
 Flange Diameters
 Flange Cross Sections
 Bolt Diameters
 125 lb. Working Pressure
 250 lb. Working Pressure

Additional Sizes
Interchangeability
Cast-Iron Pipe Wall Thicknesses
Pipe Wall Stresses
Changes in Number of Bolts

Tables covering dimensions of fittings for 125 lb. and 250 lb. working pressures are quoted from the standard together with illustrations of the standard types of flange fittings dimensioned therein.

[illegible]

Notes.—Figures given are for center to face and for face to face finished dimensions. Where necessary manufacturers will make suitable allowances in patterns before casting.

Laterials do not extend beyond the 24 in. size at the present time. Box wrench to be used on bolting for large sizes.

Square head bolts with hexagonal nuts are recommended. $\frac{1}{4}$ in. diameter and larger stud with a nut at each end is satisfactory.

Flanges 18 in. and over are to be completely pulled up with socket wrench.

Distance between inside edges of bolt holes and raised face to be $\frac{1}{4}$ in.

Flanges to be spot bored for nuts.

Thickness of flanges given in table includes raised face.

All extra heavy fittings and flanges to have a raised surface of $1/16$ in. high inside of bolt holes for gaskets.

TABLE 1. AMERICAN STANDARD, 125 LB. WORKING PRESSURE PER SQUARE INCH, STANDARD FLANGE FITTINGS, STRAIGHT SIZES