connecting bolt, in the same manner as at the joint of
the cast iron chord cylinders, as before described. In
this case the upright may have a cast iron top piece,
formed as seen in Figs. 35 and 38 upon the top of cast
iron uprights. A separate top piece has sometimes
been used with cast iron verticals.

Fig. 41.

The connecting piece may also be formed as indi-
cated in Fig. 41, with a downward branch like pro-
cess to meet and receive the squared end of the vertical
in the same manner as the horizontal part connects
with chord cylinders. In this case the connecting
piece must have openings as at bb Fig. 41, for the eyes
diagonals to enter.

Fig. 41, shows an inside view of the joint piece, as
it would appear if cut vertically and longitudinally,
and the near half removed. The horizontal part con-
sists of a cylindrical shell a little thicker than the
wrought iron chord cylinder, with ribs upon the out-
side corresponding with those of the wrought cylinders,
and as shown in end view c. Upon the inside, the
ring and flanges a a, project inward, leaving usually a
space of about 5 inches (according to dimensions of