

Transoms, centre to centre, to be 10' 10".

Transoms to be checked 1" for side sills, intermediates and centrals, and secured to side sills by two $\frac{3}{8}$ " bolts to each timber, and to intermediates and centrals by one $\frac{3}{8}$ " bolt to each timber. Bolts to side sills to have wrought iron washer plate checked in transom, flush with lower face, which also forms bearing for extension strut on longitudinal truss rods. Each transom is strengthened by two wrought iron bent truss rods $\frac{3}{8}$ " diam. In course of these rods from centre to side of ear they pass under cast iron brackets 4" long, secured to under side of transom by four $\frac{3}{8}$ " coach screws, and then incline upwards, passing through transom to end, and are provided with cast iron washer plates covering the transom end, and having a lip on inside and round corner on outside at bottom edge and sides only; lip to be checked into transom, also having two holes cast through for passage of rods, and raised inclined faces round the holes, to give square bearing face for truss nuts. Bottom edge of casting to be flush with lower face of transom. See drawing.

BODY BOLSTER

	MATERIAL.	No.	SIZE.
Top plates.....	Wrought Iron.....	2	1 0" x $\frac{3}{4}$ " x 10"
Bottom plates.....	" ".....	2	1 0" x $\frac{3}{4}$ " x 10 2 $\frac{1}{2}$ "
Bolts for same (with double nuts).....	" ".....	12	$\frac{3}{4}$ " dia. x 2 $\frac{1}{4}$ " long.
Friction plates.....	Cast Iron.....	1	See Drawing.
Pillars (long).....	" ".....	8	" "
" (short).....	" ".....	8	" "
Bolts for same (with double nuts).....	Wrought iron.....	8	$\frac{3}{8}$ " dia. x 6 $\frac{3}{4}$ " long.
" " " " " ".....	" ".....	8	$\frac{3}{8}$ " dia. x 5 $\frac{1}{2}$ " "
1 crown plate.....	Cast ".....	2	See Drawing.
Bolts for bolster to side sills (with double nuts).....	Wrought ".....	12	$\frac{3}{4}$ " dia. x 1 0" long.
" " " to intermediates (with double nuts).....	" ".....	8	$\frac{3}{4}$ " dia. x $\frac{3}{4}$ " "
" " " to centrals, crown plates and draw timbers (single nuts).....	" ".....	8	$\frac{3}{4}$ " dia. x 1 2 $\frac{1}{4}$ " "

Centre of body bolster 6' 10 $\frac{1}{2}$ " from outside of heelstock.

Top plate of body bolster to have lugs welded on under side of ends 4" long, full width of plate, to form shoulder for lower plate.

Bottom plate to be 9' 2" long, when bent, and to be set down 4 $\frac{1}{2}$ " in centre for a distance of 1' 6 $\frac{1}{4}$ " to take distance casting for draw timbers, also to be set to fit against top plate 2 $\frac{1}{2}$ " from shoulder at each end, and to be bolted to top plate by three $\frac{3}{4}$ " bolts at each end. See drawing.

Bolster to be bolted to side sills with three $\frac{3}{4}$ " bolts at each end and to intermediates and centrals by two $\frac{3}{4}$ " bolts to each timber; also to have 2" hole through centre of both plates for king-pin.

TRUSS RODS.

	MATERIAL.	No.	SIZE.
Truss rods, [longitudinal] with turnbuckles.....	Wrought Iron.....	2	1 $\frac{1}{2}$ " dia. x 39' 0" [before bending]
Bolts for same to side sill.....	" ".....	8	$\frac{3}{4}$ " dia. x 10 $\frac{1}{4}$ " long.
Extension struts, with nuts.....	" ".....	4	1 $\frac{1}{2}$ " dia. x 11 $\frac{1}{4}$ " "
Stays for same.....	" ".....	4	$\frac{3}{4}$ " dia.
" secured by coach screws.....	" ".....	8	$\frac{1}{2}$ " dia. x 2 $\frac{1}{2}$ " long.