

MAIN OR UNDER FRAMING.

	MATERIAL.	No.	SIZE.
Length by breadth over frame.....			50' 0" x 10'
Side Sills over tenons.....	White Oak or Yellow Pine..	2	8½" x 5" x 49' 3"
Intermediates, over tenons.....	do do ..	2	7½" x 4" x 49' 2"
Centrals, do do ..	do do ..	2	7½" x 4" x 49' 2"
Headstocks	White Oak.....	2	8½" x 7" x 6' 10"
Cross timbers, between centrals.....	Ash.....	21	7½" x 2" x 9"
do do do and intermediates.....	do	42	7½" x 2" x 1' 0½"
do do intermediates and side sills.....	do	34	7½" x 2" x 2' 8¾"
Furring between cross timbers on side sills.....	do	24	7½" x 2" x 1' 0½"
do do do do and wheel boxes do	do	16	7½" x 2" x 3' 9"
do do do do	do	4	7½" x 1' x 4' 9"
Tie Rods [transverse] with nut at each end.....	Wrought Iron.....	11	{ 3" dia x 9' 10" long with ends 3" dia x 4" long.
Joint bolts.....	do do	8	3" dia x 1' 2" long.
Corner brackets.....	Cast Iron.....	4	See Drawing.
Bolts for same to side sills, heads checked in outside....	Wrought Iron.....	8	3" dia x 6½" long.
do do to headstocks, do do do .. do do	do	8	3" dia x 8½" long.

Side sills to be dove-tailed into headstocks ½" on inside edge, and to have double tenons 2" long, by 3" wide, flush with inside face, as follows:—Commencing at top with 1½" shoulder, 1½" tenon, 2" space, 1½" tenon and 1½" shoulder, and to have inside corner casting bolted to headstock by two ¾" bolts, and to side sill by two ¾" bolts. Side sills and headstocks between sills to be rebated ¾" x ¾" on top inside edge for under flooring.

Centre and intermediate timbers to be framed to headstock with double tenons 2" long the full width of timbers, as follows:—Commencing at top, 7" shoulder, 1½" tenon, 2" space, 1½" tenon and 1½" shoulder; headstocks to be secured to intermediates and centrals by one joint bolt ¾" diam. to each timber.

Cross timbers to be placed as shown in drawing, and to be framed into centrals, intermediates and side sills with double tenons ¾" long, as follows:—Commencing at top, 1½" shoulder, 1½" tenon, 2½" space, 1½" tenon and 1½" shoulder.

Tie rods to run along side of cross timbers, and have nuts sunk in side sills, as shown in drawing.

Furring between cross timbers to be nailed to side sills with 4" cut nails; furring for wheel boxes to be placed 1' 2" from outside of intermediates; outside corners of headstock to be bevelled for corner posts as specified.

Side sills, intermediates and centrals to be checked ¾" for body bolster.

TRANSOMS.

	MATERIAL.	No.	SIZE.
Transoms	White Oak.....	2	7½" x 4" x 9' 10"
" truss rods, with nuts at each end.....	Wrought Iron.....	4	5" dia x 10' 1½" long
Bolts to side sills.....	" "	8	5" dia x 1' 0½" "
" " intermediates and centrals.....	" "	8	5" dia x 11½" "
Washer plates.....	" "	4	3½" x 7½" x 3"
" " for transom ends.....	Cast Iron.....	4	3" x 7½" x 3"
Brackets for truss rods	" "	4	See Drawing
" secured by coach screws.....	Wrought Iron	16	3" dia x 2" long.