

	No.	Size.
The underside of swing-bolster and top of spring-board are slightly checked for spring-buckle and spring clip, also the underside of spring-board is checked to keep lower swing-pin in place.		
Top swing-pin, of round wrought iron.....	4	1½" x 1' 5¼" long.
Lower swing-pin, size at centre, square section.....	4	1¼" sq. x 9½" between shoulders.
Lower swing-pin, round ends, total length.		1' 2½" long, ends 1½" dia.
Swing-links, of wrought iron, solid forged.....	8	2' full length inside of links. Section 1" sq.
Swing-links are bent out of 1" square iron, and at end or centre of curve, where welded, are increased to thickness of about 1½".		
Centres of swing-links, measured transversely.		3' 10" apart.
Split-pins for lower swing-pin.....	8	½" dia. x 3½" long.
Washers for lower swing-pin, of wrought iron.....	8	3" dia. x ¼" thick.
Spring-boards, of white oak.....	2	5' 7" x 9¼" x 3"
Flat truss rods to trucks.....	4	3" x ½"

Truss to be set down in centre 4½". Distance between lugs inside 6' 6" when bent. Ends to be turned over and welded to form the lugs. Length of lugs, 1½"; 4 truss bolts, 5½" over heads, 1" diam., with double nuts; 8 castings for the same as shown in drawing.

When the trucks are turned out of shop, their axle-boxes must be carefully packed with cotton waste, fully saturated with best petroleum or other good lubricating oil.

At all points where timber is bedded against timber or iron, the two surfaces are to be thickly coated with white lead. All tenons and mortices to be thickly painted with stiff white lead before being framed together.

PAINTING.

Outside of frame of car is to have four coats of best oil paint, two being of white lead and two of permanent buff colour. All the iron work is to have one coat of good black paint, and the wood of truck two coats of approved colour. The car is to be weighed and the tare painted on both sides of car at lower right hand corner in 2½" letters and figures, as "Tare 22,250 lbs."

GENERAL CONDITIONS OF CONTRACT.

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The cars and trucks are to be made exactly to the dimensions and conditions given in the specification, according to the drawings, and exactly similar and equal in all respects to the samples and models supplied. Each variety of timber used is to be of first quality of its kind, dry, sound, free from large knots, shakes, or any sign of decay, well and fully seasoned, and accurately fitted and joined together. The wrought iron is to be of "Best Staffordshire," or of equal and approved quality; all welds and joints to be carefully made, the forgings to be sound and neatly finished. The ordinary castings to be made from tough grey pig iron; they are to be sound, smooth, free from sand holes, blow holes or scoria, and perfect in shape, size, and every other respect. All the bolts and nuts used are to be of full diameter, screwed to "Whitworth's standard thread;" all the threads to be clean and full, so that the nuts will not shake; all bolt holes to be fair, opposite and