SPECIFICATIONS FOR BUILDING A WROUGHT-IRON HIGHWAY-BRIDGE.

Length of Span.—To be __________ feet __________ inches between centres of end pins bearings.

Clear Roadway.—To be __________ feet __________ inches between innermost portions of trusses.

Live Load.—To be __________ pounds per lineal foot of bridge.

Dead Load.—To be __________ pounds per lineal foot of bridge.

Depth of Truss.—To be __________ feet __________ inches between centre lines of chords.

Clear Headway.—To be __________ feet __________ inches between floor and lowest part of overhead bracing.

Upper Chords and Batter Braces.—To consist of two __________ inch channels, with a plate __________ inch by __________ inches above, and lattice bars __________ inch by __________ inches, riveted together at their middle points, below.

Splicing of Joints in Upper Chords.—Shall be made by a plate on each side, as shown in the accompanying drawing. These plates shall be of such thickness as to afford sufficient bearing for the pins, and their combined sectional area shall not be less than that of the channels which they connect. No splice plate to be less than three-eighths (\(\frac{3}{8}\)) of an inch in thickness. These connections shall be designed under the supposition that the entire stress is carried by the plates and rivets, no reliance being placed on abutting ends of channels.

Cover Plates for Chords.—Shall be __________ inch by __________ inches by __________ inches, and shall contain as many rivets on each side of the joint as will suffice to carry the greatest stress that can ever come upon the chord plates.