Estimate of Cost of One Span.

72,726 feet B. M. timber  12$\frac{1}{2}$ cts.  $909.07
5,280 lbs. rolled iron  3$\frac{1}{2}$ "  184.80
3,300 square feet, roof  10 "  330.00
Making 147 bolts  30 "  44.10
   "  90 "  9.00
Workmanship of 154 feet at  8 "  12.32

Cost per foot, $18 24.

$2,708.97

Summary.

Span  148 ft. 3 in.
Width of pier on top  3 "  2 "
   "  skew-back  6 "
Timber in one span  72,726 "
Weight of timber per lineal foot  1,416 pounds.
No. of cubic feet per foot lineal  40 "
Weight of iron in one span  5,280 "
Width from out to out of chords  20 feet.
   "  middle to middle of chords  19 "
Versed sine of lower arch  20 "
Radius  172.55 "
Weight of half-span loaded  275,000 pounds
Strain upon floor beams per square inch  902 "
   "  lateral brace-rods per square inch  8,444 "
   "  lateral braces  571 "
   "  knee-branches per square inch  818 "
Pressure per square inch on top chord  881 "
   "  arch at crown  268 "
   "  lower chord  232 "
   "  arch at skew-back  600 "
   "  end-branches  360 "
   "  middle branches  260 "