Each set of lateral braces requires,
12 rods, $\frac{3}{4}$ inch in diameter, 9$\frac{1}{2}$ feet long 602 cubic in
3 rings, 8 inches in diameter, 2 $\times$ $\frac{3}{4}$   108 "

710 "
Weight = 178 pounds.

Wood for the whole Bridge.
44 floor beams of yellow pine, 6 $\times$ 12, 17 feet long B. M. 4,488
Floor plank do. 2 inches " 4,356
do. oak, 1$\frac{1}{2}$ inches " 3,267
64 lineal feet of timber under rails, 10 $\times$ 10 " 533
8 cross beams for lateral braces, 5 $\times$ 6, 16 feet long " 860

13,504
The weight of which at 3 pounds per foot B. M. = 40,512 lbs.

Recapitulation of Bill of Materials.
Cast-iron in 5 trusses, 1237 pounds each 6,185 lbs.
Malleable iron in 5 trusses, 1386 pounds each, 6,930
Bolts for railroad track 106
do. for 2 sets of lateral braces, 178 pounds each 356

7,392 lbs.
Weight of wood 40,512 "

Total weight = 54,089 "

Estimate of cost.
6185 pounds cast-iron @ 2$\frac{1}{4}$ cents $\$139$ 16
7392 " malleable iron @ 3$\frac{1}{2}$ cents 240 24
18504 feet B. M. timber and plank, average $\$15$ per M.
Workmanship, 22 lineal feet @ $\$13$ per foot 203 56

Total cost $\$997$ 96