Weight of bolts, exclusive of arch-bolts, per lineal foot, 71 pounds.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>arch bolts</td>
<td>3,568</td>
</tr>
<tr>
<td>nuts</td>
<td>907</td>
</tr>
<tr>
<td>finished bridge, per lineal foot</td>
<td>1,281</td>
</tr>
<tr>
<td>loaded bridge</td>
<td>3,281</td>
</tr>
</tbody>
</table>

Cost of material for one span, $2,039.73

Total cost for one span, $3,202.83

Cost per foot lineal, without roof, 20 00

If the arch sustains the whole weight, the pressure at the crown will be 453 lbs. sq. in.

If the arch sustains the whole weight, the pressure at the skew-back will be 450 "

The strain on suspension rods, 5,331 "

counter-brace, 262 "

Resisting area of upper chords, 410 sq. in.

lower chords, 270 "

If the arch is omitted, the strain on the lower chords loaded, will be 2,000 lbs. sq. in.

Strain upon the ties, in the middle, 4,569 "

at the ends, 27,344 "

braces, in the middle, 226 "

at the ends, 1,172 "

counter-braces, 430 "

floor beams, 1,830 "

Greatest possible strain upon lateral braces, 1,200 "

rods, 24,000 "

diagonal, 133 "

No. of pairs of diagonals required for one span, 6.

Power of wind on side surface, 75,000 lbs.

Resistance to sliding, 97,650 "

*Strains upon the parts when both systems are united.*

*Upon the braces, in the middle of the span, 226 lbs. sq. in.*

suspension rods, 2,451 "

braces at the ends, 326 "