540 ft. of 9 in. pipes, 22 lbs. ........................................... 12,390
720 ft. of light posts, 20 lbs. ........................................... 14,640
720 ft. light-channel-chocks, 10 in., at 15 lbs. ......................... 11,130
720 ft. diag. rods in panels, 15 in. diam., 6 lbs. ......................... 17,356
12 rings, 16 in. diam., average 35 lbs. ................................... 4,440
800 ft. light cross-channels, 16 in. wide, 10 lbs. ......................... 10,000
320 ft. light cross-channels, 8 in. wide, 13 lbs. ......................... 4,160
720 ft. diag. rods for horizontal bracing, 15 in. diam., at 8 lbs. ....... 5,900
28 rings, 16 in. diam., at 40 lbs. ........................................ 1,150

**TOTAL ROLLED IRON IN 570 IN. SPAN, SUPPORTED AT...** 1,009,460

**FORGED IRON.**

274 cable-ropes, at 20 lbs. ........................................... 5,480
608 socket on rope-suspender, at 10 lbs. ................................ 6,080

Total ................................................................. 11,560

276 yards of rails on rail-tracks, at 75 lbs. ................................. 20,700

**TRAMWAYS.**

720 ft. of 5 in. street-rails, at 11 lbs. ................................ 31,320
640 ft. fish-bar, 3 x 3 ........................................... 51,984
5000 wood screws, 6" x 1" diam. ....................................... 5,000

Total ................................................................. 88,904

48 sockets (cast-iron) for stays, at 40 lbs. ................................ 1,920
228 roses in railings, at 15 lbs. ........................................ 3,410

Total ................................................................. 5,340

**WIRE-ROPE SUSPENDERS IN MIDDLE SPAN.**

6112 ft. No. 4 rope, at 4.6 lbs. ...................................... 28,683

**WIRE-ROPE IN STAYS.**

370 ft. of stays, 8 sets, at 10 lbs. ................................... 3,700

**CABLES.**

\[
\begin{align*}
\frac{z}{x} &= \sqrt{\frac{2}{5} + \frac{y}{2}}, \\
\frac{y}{x} &= \frac{1}{2} + \frac{1}{2} \\
xx &= \frac{1}{4} + \frac{1}{2} \times \frac{2}{3} = \frac{1}{4} \times 2 + \frac{1}{2} \times 3 = \frac{1}{4} \times 5 + \frac{1}{4} \times 5 = \frac{1}{4} \times 5 = 5 \times 5 = 25 \times 2 = 50.
\end{align*}
\]

Therefore the amount of rope in one cable is 240 x 10 = 2,400 feet, at 10 lbs. 24,000 lbs.