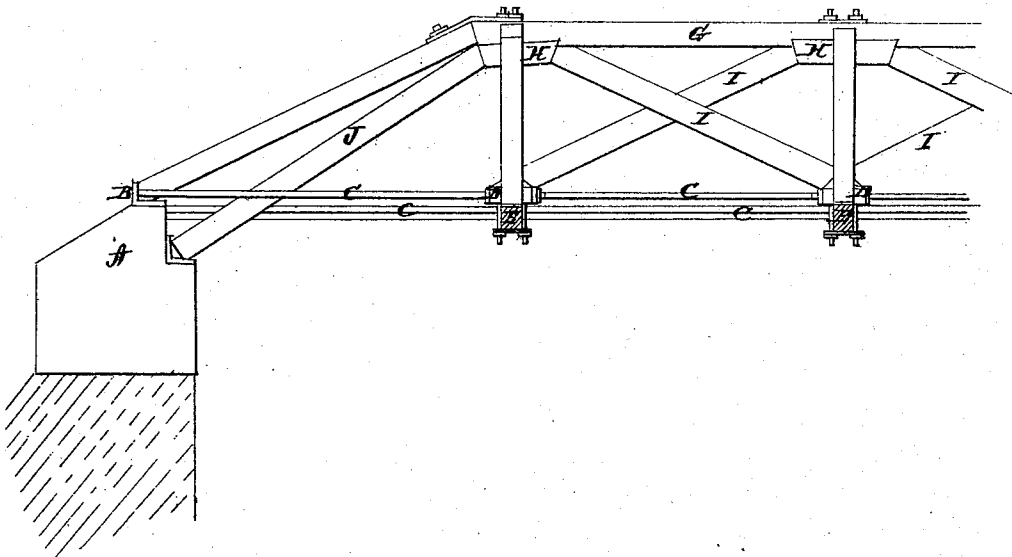


Jacob Seebold's Bridge

107106

PATENTED SEP 6 1870



Witnesses

E. L. Cuth.
A. C. Yeatman

Inventor

Jacob Seebold
per
Alexander Mason

Atty.

UNITED STATES PATENT OFFICE.

JACOB SEEBOLD, OF KAUTZ, PENNSYLVANIA.

IMPROVEMENT IN BRIDGES.

Specification forming part of Letters Patent No. **107,106**, dated September 6, 1870.

To all whom it may concern:

Be it known that I, JACOB SEEBOLD, of Kautz, in the county of Snyder, and in the State of Pennsylvania, have invented certain new and useful Improvements in Bridges; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a bridge, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a side view of my bridge.

A represents the abutment of the bridge, upon which the shoe B is secured. The bottom chord, which consists of rods C C and castings D D, and fastened to the shoe B, is fully described in a patent heretofore granted me for an improvement in bridges, and hence needs no further description here. The two bottom chords are connected by cross-beams E E, under the castings D D, and between said beams are braces, crossing each other, upon which the floor is laid.

G is the top chord of the bridge, on the under side of which, above each of the floor-beams E, is inserted a block, H. From each end of the block H a brace, I, extends down to the casting D, on each side, as shown. The top and bottom chords are then connected by rods,

which pass through said chords, through the block H and the casting D, and are tightened by nuts at both ends, at the lower ends a clasp being formed around the floor-beam E. The end of the top chord, G, is inclined downward and secured to the shoe B. From the point where the top chord, G, inclines downward, and against the end of the block H at this point, a brace, J, passes downward to a point on the abutment below the bottom chord, thereby increasing the strength of the bridge.

This bridge is mainly intended for streams where it is only necessary to have one span, and that not so very long.

Any part of this bridge may be removed and repaired without the necessity of erecting any extra frame-work.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the top chord, G, bottom chord, C D, blocks H H, the vertical ties which pass through the upper chord and block, D, and braces I I, all constructed and arranged substantially as shown and described.

2. The arrangement of the abutment A, shoes B, bottom chords, C D, floor-beams E, top chords, G, blocks H, and braces I J, all substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of June, 1870.

JACOB SEEBOLD.

Witnesses:

C. L. EVERT,
A. A. YEATMAN.