

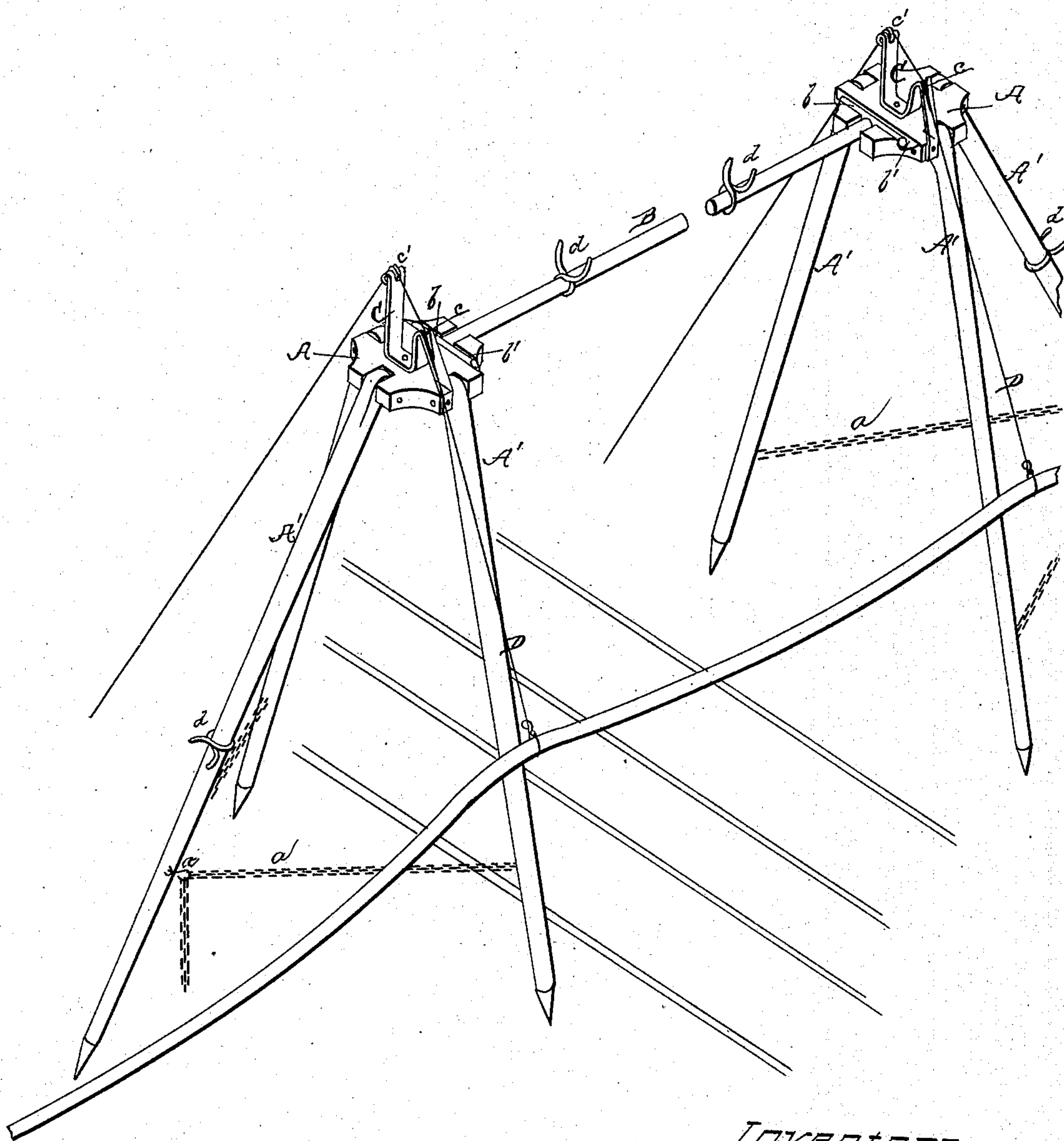
(No Model.)

H. HERRMANN & W. B. DOOLITTLE.

STREET BRIDGE FOR FIRE HOSE.

No. 322,287.

Patented July 14, 1885.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY HERRMANN AND WILLIAM B. DOOLITTLE, OF CHICAGO, ILLINOIS.

## STREET-BRIDGE FOR FIRE-HOSE.

SPECIFICATION forming part of Letters Patent No. 322,287, dated July 14, 1885.

Application filed March 9, 1885. (No model.)

*To all whom it may concern:*

Be it known that we, HENRY HERRMANN and WILLIAM B. DOOLITTLE, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Street-Bridges for Fire-Hose, of which the following is a specification, to wit:

This invention relates to street-bridges for fire-hose; and it consists in the peculiar construction and arrangement of a portable bridge for carrying fire-hose across streets, substantially as will be hereinafter more fully set forth and claimed.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the accompanying drawing, which represents a perspective view of our invention as applied in use.

A represents a head or block to which is hinged three folding legs or standards, A', as shown in the drawing. The legs are connected by chains *a a*, which act as braces to keep them from spreading apart, and are lengthened or shortened at will, to allow for inequalities of the ground, by means of hooks *a'*, by which they are attached to the legs. Two of these stands are used, one upon each side of a car-track, and connected by a cross-bar, B, having T-shaped ends *b*, received in transverse grooves or recesses *b'* of the head-blocks. Each of the head-blocks is provided with a fork, C, to receive and hold the hose, one arm of which is grooved, as at *c*, for the passage of a rope, and the other made higher, and provided with a pulley-wheel, *c'*, over which the rope is rove, as shown. The cross-bar B is provided with one or more retaining-forks, *d*, in which the hose lies, and the legs A' are also, when desired, provided with similar forks to serve as guides.

In large cities much annoyance is felt by the stopping of all traffic, both of wagons and street cars, by the laying of a fire-hose across a street, and it is to avoid this that our invention is designed. The device is light and folds into a compact bundle for easy transportation, and when wanted for use one of the supports is placed upon each side of a street

or a car-track, as may be desired, and the cross-bar placed in position thereon. The bridge is then quickly and easily elevated, and the legs extended at different angles, according to the nature of the ground, and prevented from slipping by being connected by the chains, as in the drawing. The ropes D, which pass over the pulleys, are then connected to the hose, and the latter quickly hauled up to the top of the bridge, where it lies in the forks C and *d*, and cars and vehicles are free to pass under it.

It is evident that the device may be made of any suitable height and of sufficient length to span the whole or only a part of the street; and we desire to construct it of any material, but prefer gas-pipe as forming a light and strong frame especially suited to the purpose.

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

1. In a device for elevating hose across a street, a pair of supporting-frames, in combination with a connecting-bar adapted to span the street or track, and means for elevating the hose to the top of the supports, substantially as and for the purpose set forth.

2. A pair of heads provided with hinged legs or supports and having a yoke or fork for receiving the hose, in combination with a detachable connecting-bar provided with similar forks, and ropes running over pulleys at the top of the device for lifting the hose to position, substantially as and for the purpose set forth.

3. The heads A, having hinged legs A', connected by chains *a a*, and the forks C, having one arm provided with a pulley, in combination with the cross-bar B, detachably connected to the heads, and provided with the forks *d*, and the ropes D, for lifting the hose upon the frame, all constructed and arranged to operate substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

HENRY HERRMANN.

WILLIAM B. DOOLITTLE.

Witnesses:

W. C. McARTHUR,

CHAS. KRESSMANN.