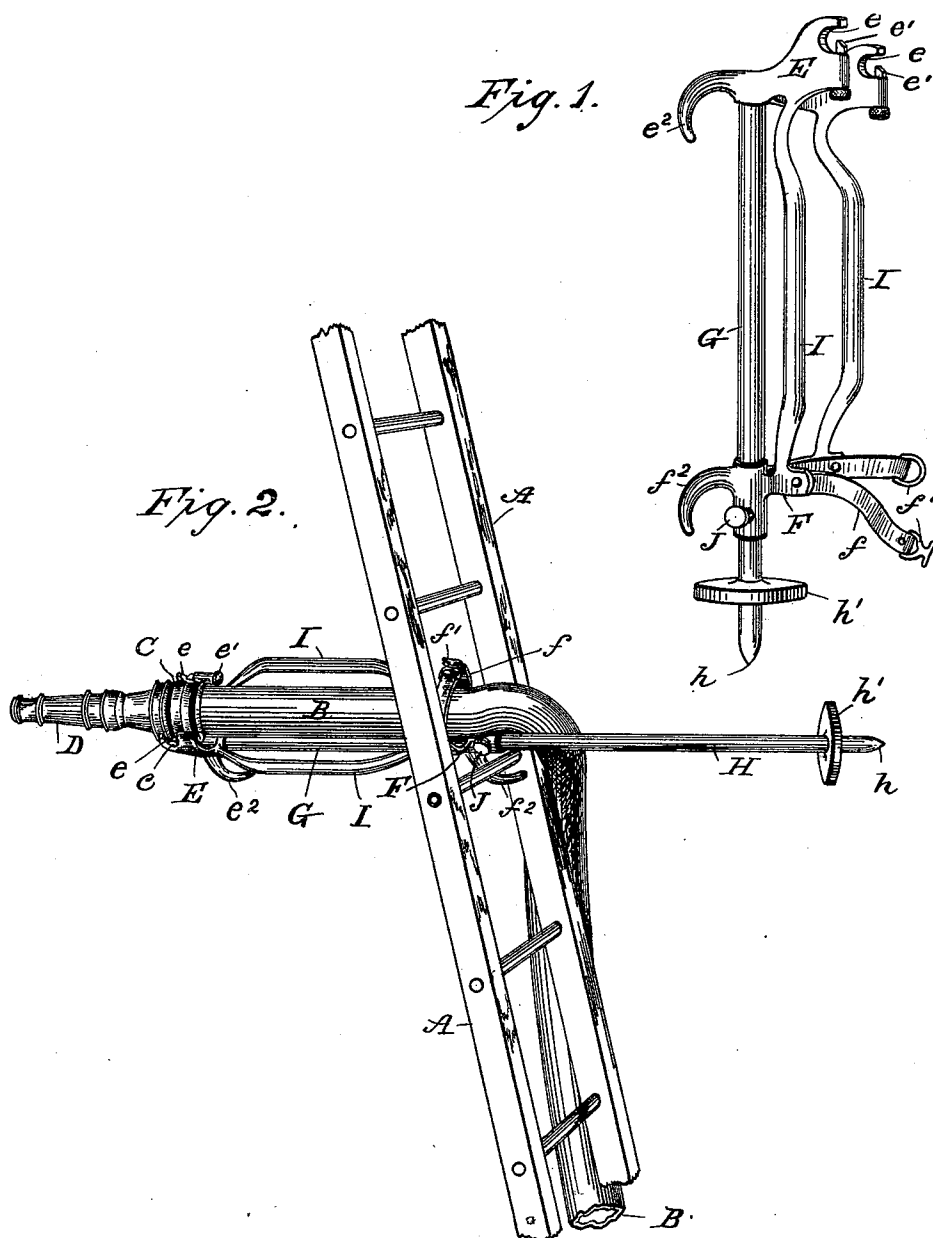


No. 630,563.

Patented Aug. 8, 1899.

C. R. ROBINSON.
FIRE HOSE SUPPORT.
(Application filed Jan. 3, 1899.)

(No Model.)



Witnesses

William A. Drury
Nathaniel Doane

Inventor

Cyrus R. Robinson
By his Attorney J. B. Thurston

UNITED STATES PATENT OFFICE.

CYRUS R. ROBINSON, OF EAST CONCORD, NEW HAMPSHIRE.

FIRE-HOSE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 630,563, dated August 8, 1899.

Application filed January 3, 1899. Serial No. 700,972. (No model.)

To all whom it may concern:

Be it known that I, CYRUS R. ROBINSON, a citizen of the United States, residing at East Concord, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Fire-Hose Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide improved devices for enabling firemen to more readily control and guide a stream from a fire-hose.

The invention consists in a short extensible frame adapted for ready attachment to a fire-hose nozzle and hose-section and provided with a pair of improved gripping-hooks and a pair of insulated handles, together with other novelties, all of which will be fully set forth in the following specification and claims, and clearly illustrated in the accompanying drawings, forming a part of the same.

In the present invention the manner of attaching my improved frame to a section of hose and its nozzle may be the same as shown in my United States Patent No. 479,841, dated August 2, 1892; but I have found in practice that in many instances the entire frame or support as covered by that patent was too long for convenient use upon a ladder or for interior use in buildings, and the single hook with which it was provided at a point near the nozzle was both inefficient and unsafe on account of its shape, which limited the size of the article to be gripped, and also on account of its location. A single hook so located is practically of little use except for attaching a hose to a ladder and at the same vertical angle therewith, for with the water turned on a fireman would find it extremely difficult to direct a stream horizontally from the ladder into a window of a building, as he must then support by main strength not alone the hose below him, but the water within the hose as well, thus seriously hindering the free lateral movement of the nozzle as might be required. My present improvements obviate all the foregoing difficulties and offer many advantages over anything previously used for the purpose, as the short form of

frame or support supersedes the so-called "pipe," which is ordinarily coupled between the nozzle and a section of hose, and by means of the additional hook at the lower end, in connection with the extension-bar, a fireman while on a ladder is given perfect control of a stream with very slight exertion, as he can grasp the outer end of said extension-bar, which affords him a leverage beyond the bend in the hose and enables him to direct a stream up or down or laterally and with ease, and if occasion arises he can safely slide down the hose to the ground, as the upper part of the hose holder or frame and the hose and nozzle fastened therein would bear against the back of the adjacent upper rung of the ladder, and thus insure the safety grip of the second or lower hook.

Of the drawings, Figure 1 is a perspective elevation of my improved hose-support, Fig. 2 showing a ladder and my improved support in a position to be readily balanced thereon and guided by a fireman.

A represents a portion of a ladder.

B is part of a section of hose, C a portion of its coupling, and D is the hose-nozzle.

My improved holder comprises a pair of brackets E F, connected together by a hollow rod or tube G, within which is fitted a solid bar H of convenient weight and length to be readily detached and used to smash in windows or any other like purpose. The brackets are also connected on their sides by handle-bars I, which are entirely covered with some suitable insulating material to prevent the liability of inflicting an electric shock upon the fireman who may handle the same. The bracket E has recesses *e*, provided with spring-actuated projections *e'*, adapted for engaging the ordinary nibs *c*, projecting from opposite sides of a hose-coupling, while the bracket F is provided with a strap *f*, adapted to encircle a section of hose and having on its ends a quick-adjusting clasp *f'*, and beyond the tubular connection G the ends of both brackets terminate in a curved portion forming strong hooks *e² f²*, which are of suitable form to readily adapt them for engaging the rungs of a ladder or the inner edge of a window-sill with perfect security.

The bar H may be adjusted within the tubular connection G by means of a spring-

catch or thumb-screw J, and said bar is designed to be extended, so as to rest upon the ground when a fireman is desirous of throwing a stream at a vertical angle, and for this reason the outer end of said bar is pointed, as at *h*, to prevent it from slipping when resting upon brick or other paving, and a few inches back from this pointed end the said bar is provided with a large rigidly-connected collar *h'*, so that when the same is used in the more rural districts, where possibly no paving may be found, the outer end of said bar will be prevented from burying itself to a depth which would prevent easy manipulation and control of the stream. Another reason for providing this large collar is that it will enable a fireman to do more effective work in the way of smashing in windows and doors, as the collar will carry more material with a single blow, such as window-glass and door-panels.

The handles I of my present invention being formed of bars much shorter than those covered by my former patent and entirely covered with a suitable insulating material are much more effective and lessen the liability of accidents from electric currents which may follow the stream of water.

Having described my improvements, what I claim is—

1. In a fire-hose support, the combination

with a tube having a telescoping adjustable extension-bar, of a pair of brackets rigidly secured one to each end of said tube, a pair of handle-bars covered with a suitable insulating material and connecting the brackets, and a pair of curved projections one from each bracket and forming hooks, substantially for the purpose set forth.

2. In a fire-hose support, the combination with a suitable tube, of a detachable telescoping extension-bar having its outer end pointed and provided with a disk or collar near its end, suitable means for adjustment of the bar within the tube, a pair of brackets mounted at a point between their ends one upon each end of said tube, and a pair of handle-bars covered with a suitable insulating material and connecting the brackets, said brackets having one end made in the form of a yoke and provided with suitable means for attachment to a hose-section and the other end of each being curved downward to form a hook, all substantially for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CYRUS R. ROBINSON.

Witnesses:

J. B. THURSTON,
EMILE H. TARDIVEL.