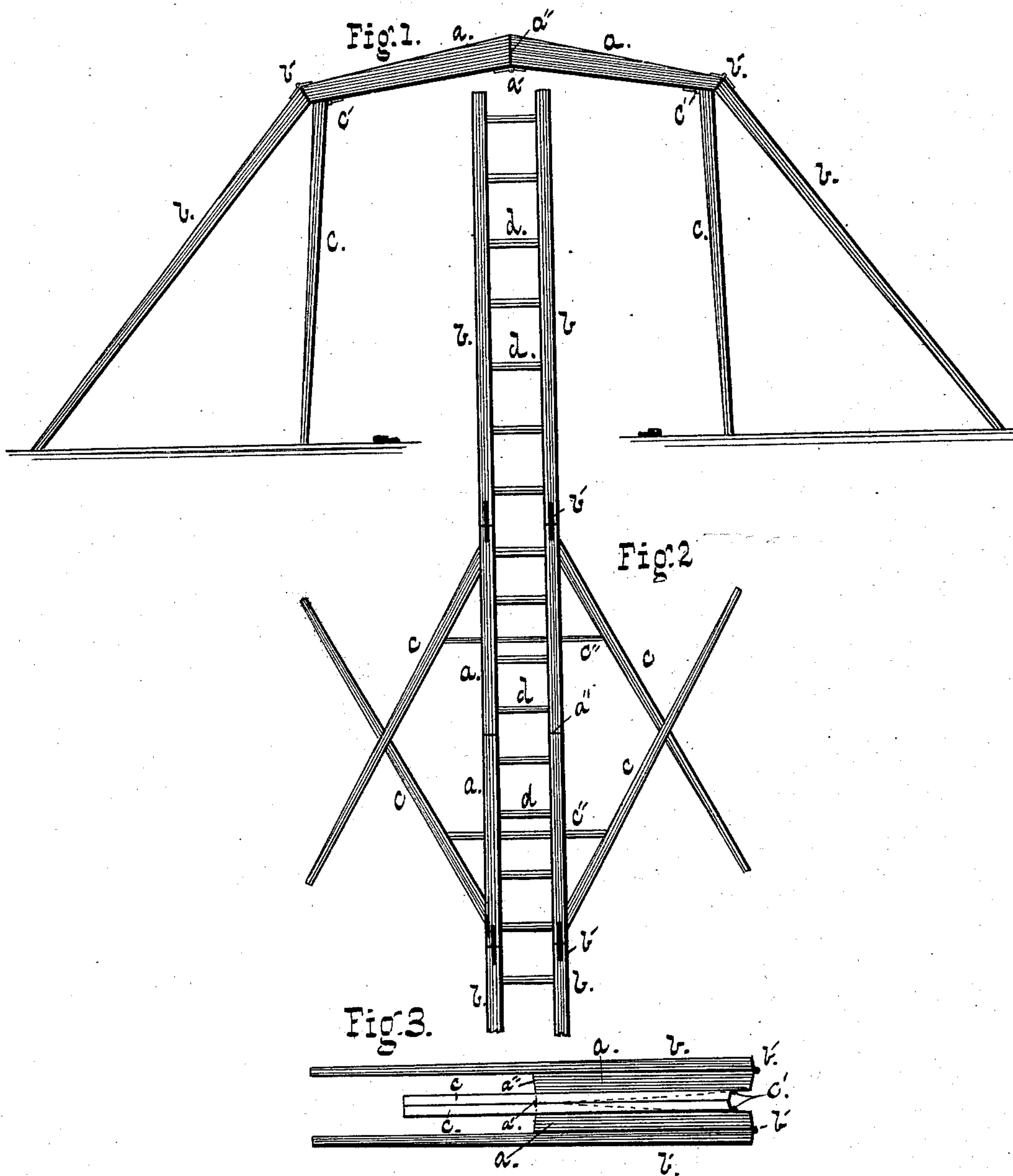


E. S. & S. M. HINKS.  
Hose Support.

No. 216,409.

Patented June 10, 1879.



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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN HOSE-SUPPORTS.

Specification forming part of Letters Patent No. **216,409**, dated June 10, 1879; application filed April 15, 1879.

*To all whom it may concern:*

Be it known that we, EDWIN S. HINKS, of Baltimore city, and SAMUEL M. HINKS, of Urbana, Frederick county, both in the State of Maryland, have invented certain new and useful Improvements in Hose-Supports; and we hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings.

Our invention is designed to furnish a hose support or bridge adapted to be readily and expeditiously set up, and to sustain the hose at such a height above a thoroughfare as to admit of the passage of street-cars, hose-carriages, or other vehicles thereunder, and, when not in use, to be folded into a small compass convenient for transportation upon hook-and-ladder trucks or the hose-carriages of engines. The lines of hose upon the streets in case of fire have heretofore practically blocked the passage of vehicles, since the various forms of hose-bridges to be laid upon the street have proved in practice to be ineffective, owing to their tendency to slide or jolt upon the hose. The device about to be described is simple in construction, light, portable, and thoroughly efficient in operation.

In the accompanying drawings, Figure 1 represents the device in side elevation set up ready for use. Fig. 2 is a top plan of the same, the supporting-legs being folded under; and Fig. 3 is a side view of the same completely folded together.

The device consists, essentially, of a narrow ladder-like structure, composed of side bars, *a a b b*, hinged together at *a'* and *b'*, as shown. The ends *a''* of the pieces *a* are somewhat beveled, so that in the center the bridge is highest, the ends of the pieces *b b* resting on the ground, and meeting the same at an angle of about forty-five degrees. At *c'* the supporting-legs *c c* are hinged as illustrated and diverge somewhat, so as to render the device stable when set up. The hinges *c'* are very

slightly inclined in order that the legs *c* shall cross above and below when folded, as shown in Fig. 2.

In operation, the parts *a b* are laid flat upon the ground and the hose is placed thereon, resting on the bars *d*. The entire device is then raised by the firemen, and as raised the legs *c c* swing down, and when vertical support the bridge and hose. The legs *c c* are made of a length to raise the bridge above the tops of ordinary vehicles, such as carriages, street-cars, or the smoke-stacks of the engines, and the parts may, if desired, be made to telescope, to enable the device to be folded in small space for transportation.

An extreme length of fifteen feet over all when folded, as shown in Fig. 3, is ample to raise the bridge to the desired height, and is not objectionable, since much longer articles, such as hooks and ladders, must in any case be transported to the scenes of fires.

What we claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a hose-support adapted to bridge a thoroughfare, and consisting of a bridge and supporting-legs, made in sections and hinged together, as described, whereby the device may be folded compactly for transportation, as set forth.

2. The hose-support consisting of the ladder-like parts *a b*, hinged together and having suitable supporting-legs, as set forth.

3. The hose-support consisting of the parts *a a b b*, hinged at *a' b'*, and the divergent legs *c*, hinged at *c'*, substantially as described.

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