A. E. HUGHES.

Fire-Extinguishing Machines.

No. 154,395. Patented Aug. 25, 1874.

Fig. 1.

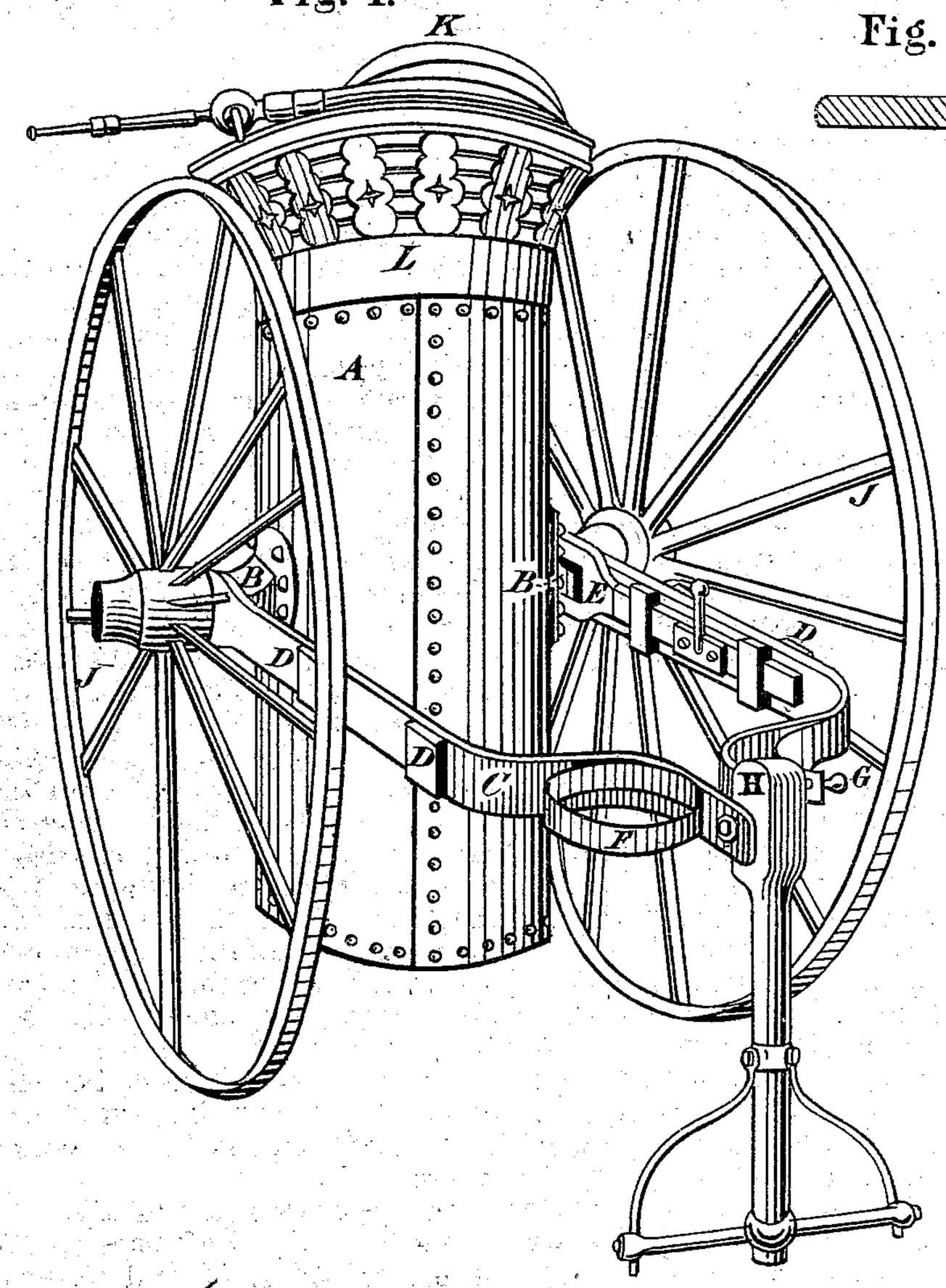
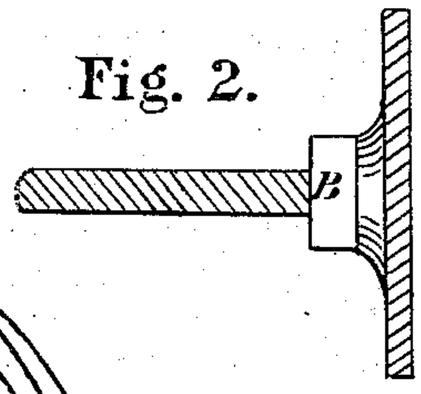


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ALEXANDER E. HUGHES, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO THE GREAT AMERICAN FIRE-EXTINGUISHER COMPANY, OF SAME PLACE.

IMPROVEMENT IN FIRE-EXTINGUISHING MACHINES.

Specification forming part of Letters Patent No. **154,395**, dated August 25, 1874; application filed July 9, 1874.

To all whom it may concern:

Be it known that I, ALEXANDER E. HUGHES, of the city of Louisville, county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in Chemical Fire-Extinguishers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view of the machine with the charge-box left off, in order to show the lock-bolt of the water-tank. Fig. 2 is a sectional view of the axle-spindle, showing the boss or hub on the flange where the lock-bolt catches it.

Similar letters of reference indicate corresponding parts.

This my invention relates to improvements in chemical fire-extinguishers, but more especially to the general construction of the device, by means of which it is rendered convenient in operation, and more easily and quickly moved from place to place while in use, which object I have accomplished by means of mounting the water-tank upon two wheels, with the tank and axles combined in such a manner as to permit them to turn in the hub of the wheels when necessary to place it in a vertical or horizontal position, in order that it may be more easily charged or discharged.

In the drawing, A is the water-tank, which is made of metal and in form as shown in the drawings. L is a basket for retaining the hose, which basket is held in its place by means of hooks on top of the tank and slots in the inside of the lower edge of the basket. B B are the axle-spindles, all of which are made with a flange on the ends, and secured firmly to the sides of the water-tank by means of rivets through the flange or otherwise; but, if necessary, these axle-spindles may be made in one piece, and pass directly through the tank, and be secured at the sides in any manner most convenient, so as to be water-tight. C C are draft-bars, to which the tongue is attached. These bars are made of iron, and in form as shown in the drawing, with a boss on the back ends sufficient to admit of a hole large enough to pass over the axle-spindles, on which they are made to work loosely. D D D D are jogs on the outside of the draft-bars, to hold the charge-box in place, which box may be made either to rest on the top or be hung below the bars. E is a lock-bolt, for holding the water-tank when either in a vertical or horizontal position. The end of this bolt is made similar to an ordinary screw-wrench, and is made to catch and hold the tank by slipping over a square formed on the boss of the axle-flange. F is a ring on the side of the draft-bar, to hold the acid-vessel while being charged. G is a spring for holding the tongue in position when either in or out of use. When not in use this tongue is turned down and used as a standard to support the front of the machine. H is the tongue, which may be made of any suitable material and in form as shown in the drawings. J J are the wheels, all of which are made similar to an ordinary buggy-wheel. K is the hose in the basket.

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

The water-tank A and axles B B, in combination with the draft-bars C C, lock-bolt E, spring, G, tongue H, and wheels J J, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of July, 1874.

ALEXANDER E. HUGHES.

Witnesses:

CHAS. A. LEHMANN,

J. THOS. WOOD.