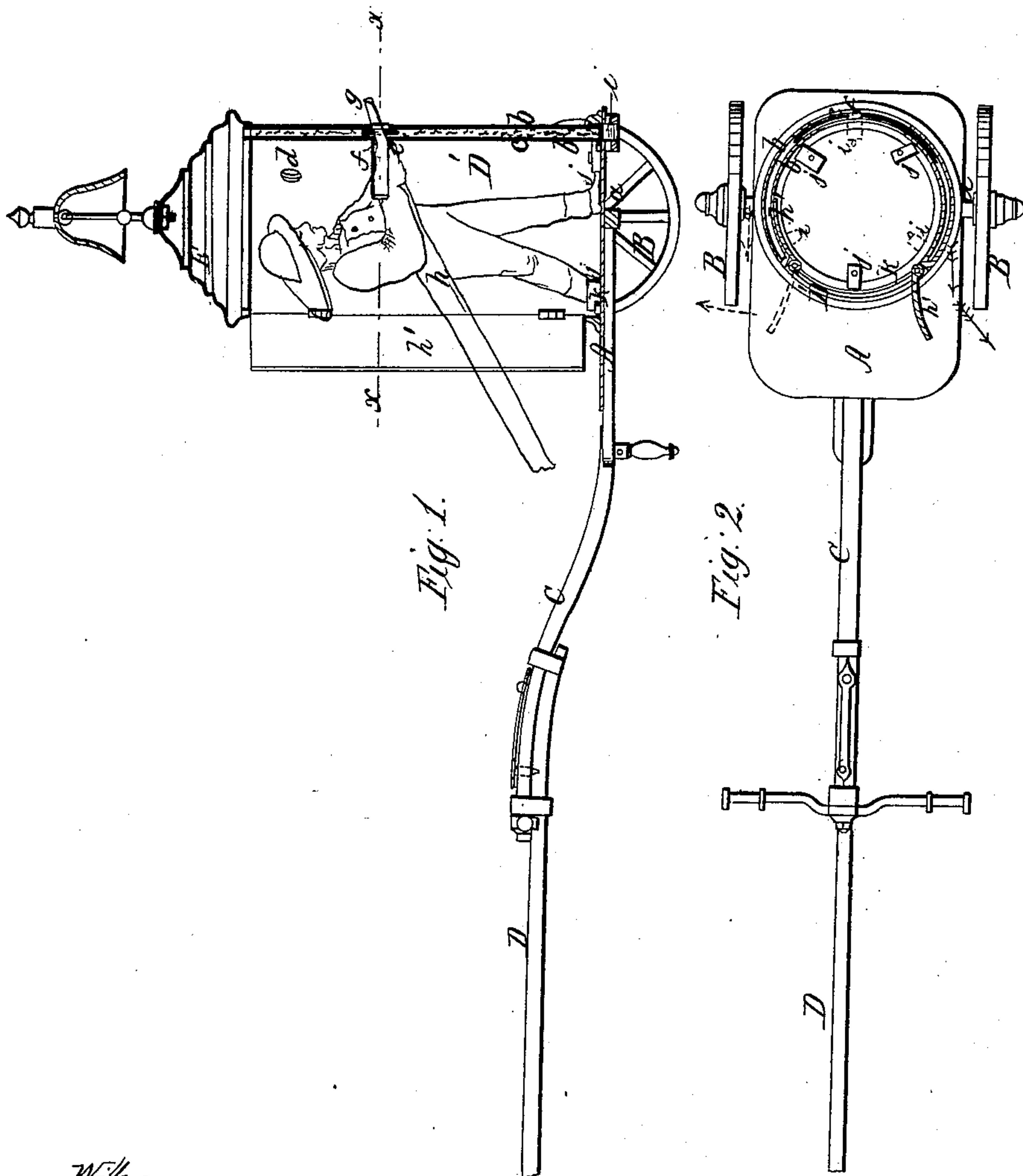


C. D. WOODRUFF.
FIREMAN'S SHIELD.

No. 23,212.

Patented Mar. 8, 1859.



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CHAUNCEY D. WOODRUFF, OF TOLEDO, OHIO.

FIREMAN'S PROTECTOR.

Specification of Letters Patent No. 23,212, dated March 8, 1859.

To all whom it may concern:

Be it known that I, CHAUNCEY D. WOODRUFF, of Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Device for Protecting Firemen from the Flames While in the Discharge of Their Duties; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which,—

Figure 1, is a side sectional view of my invention. Fig. 2, a horizontal section of do taken in the line *x, x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

This invention is designed to accompany a fire engine or hose cart and serve as a protector to the fireman holding the nozzle or butt of the hose, so that said fireman may be placed in close proximity to the fire, and therefore direct a stream of water to act in the most efficient manner on the flames.

The invention consists in mounting a small sheet metal house on wheels, the house being provided with double walls the space between filled with any suitable nonconducting substance and the house also provided with look-out holes and an adjustable or movable plate to admit of the proper movement of the nozzle or butt, the whole being constructed and arranged as hereinafter described to effect the desired end.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, represents a platform which is mounted on two wheels B, B, and C, is a draft pole which is attached to the axle *a*, of said wheels, said draft pole being made of any length when the device is in use by adding joints D, any proper number of the latter being used and connected in any suitable way.

D', is a small house which may be of cylindrical form, constructed of sheet or plate metal, double walled, as shown at *b, b*, and it would be preferable to have the space between filled with some good non-conducting material *c*, see Fig. 1. This house is of sufficient dimensions to admit a man and afford space for him to turn freely around within it, see red lines Fig. 1. In the upper part of the house, look-out holes *d*, are made

and thick glass plates may be fitted therein. 55
Between the walls *b, b*, at the front side of the house a plate *e*, is placed, and the walls *b, b*, are slotted at each side of this plate, and a hole *f*, is made in the plate to allow the front end of the nozzle or butt *g*, of the hose *h*, to pass through, the plate *e*, being 60
allowed to slide laterally between the walls *b, b*, and thereby admit of the nozzle or butt *g*, being moved laterally either to the right or left. At the back part of the house 65
there are two doors *h', h'*, which are curved corresponding to a section of the house, so that said doors when shoved inward will fit snugly against the innermost wall of the house and when moved outward serve as de- 70
flectors to ward off the heat and flames from the entrance to the house, see arrows Fig. 2.

In the platform A, a series of friction rollers *i*, are placed, and the lower edge of the house D', rests or bears on those rollers, 75
and is prevented from moving casually by buttons *j*, which are attached to the platform and are turned over on a ledge *k*, at the lower end or bottom of the house. By 80
turning the buttons *j*, off of the ledge *k*, the house may be turned or adjusted on the platform A, as occasion may require.

The top or cap E of the house may be of conical form and permanently attached to the body or cylindrical portion. 85

The platform, wheels, and draft pole are to be all of metal, and the outer end of the draft pole may be provided with a reel and rope the same as the pole of a fire engine or hose cart, the rope being manned and the 90
implement drawn to a fire precisely the same as an engine or hose cart.

The device may be shoved close to the fire, by adding the joints D, to the pole, and the man within the house will be perfectly 95
protected and have complete control over the nozzle or butt, as the plate *e*, admits of the lateral movement of the nozzle or butt as previously stated. The device may be constructed at a moderate cost and will 100
prove very efficient in those cases where it is important for the fireman that holds the nozzle or butt of the hose, to be near the fire in order to throw a stream of water to particular spots. 105

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

The double walled sheet or plate metal house D', and mounted on wheels B, B, and provided with look-out holes d, and an adjustable plate e, to receive the nozzle or
5 butt g, the house being placed on rollers i, in the platform and secured by buttons j, or their equivalents, the whole being ar-

ranged substantially as and for the purpose set forth.

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