

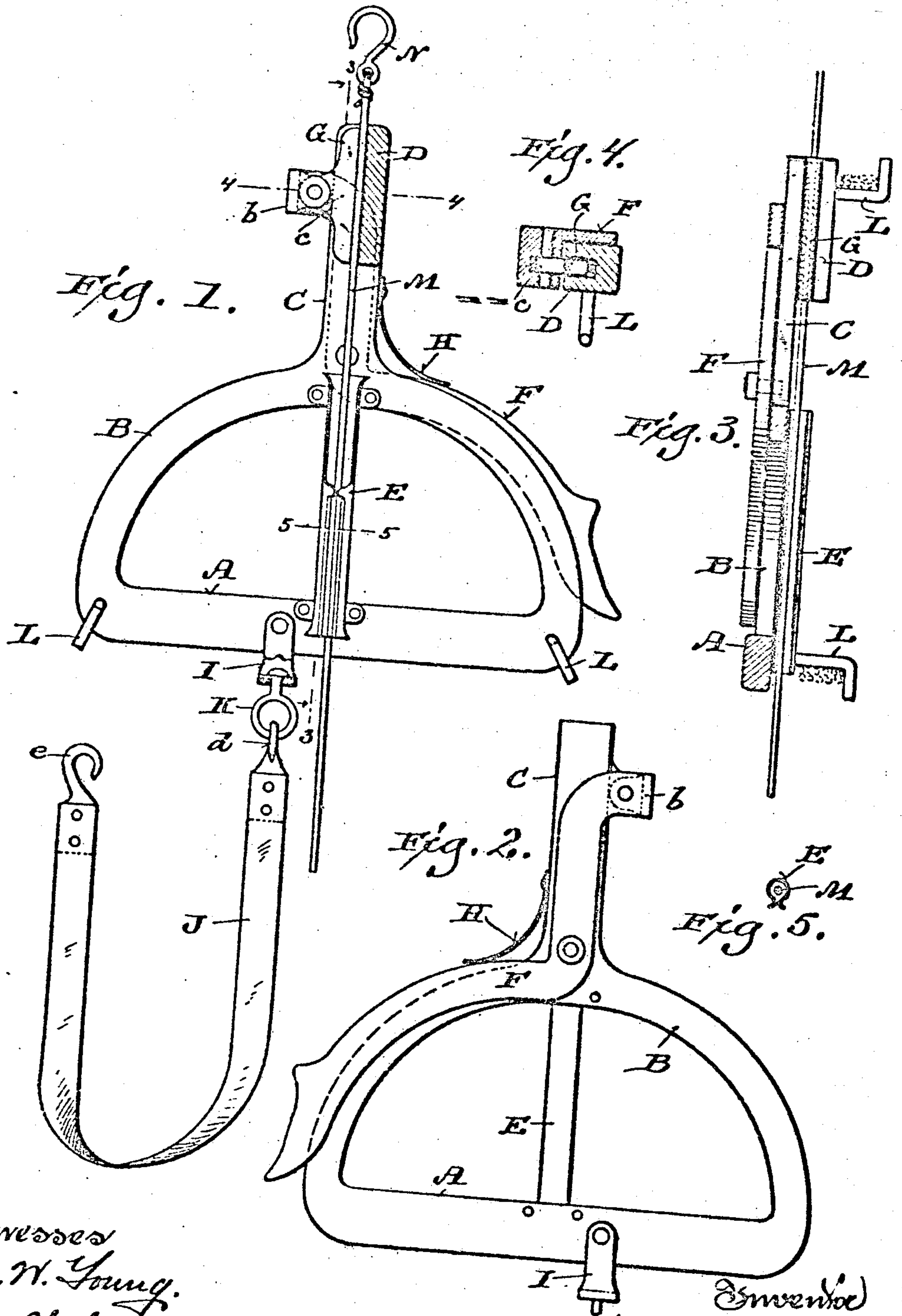
No. 767,165.

H. J. NOLL.  
FIRE ESCAPE.

PATENTED AUG. 9, 1904.

NO MODEL.

APPLICATION FILED JAN. 30, 1904.



Witnesses  
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## UNITED STATES PATENT OFFICE.

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## FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 767,165, dated August 9, 1904.

Application filed January 30, 1904. Serial No. 191,261. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY JOHN NOLL, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Fire-Escapes; and I do hereby declare that the following is a full, clear, and exact description thereof.

The object of my invention is to provide simple, economical, portable machines of the kind commonly termed "fire-escapes," designed for utilization in connection with a suitable guide as means for facilitating descent from floors or stagings of a building, the guide being attached at its upper end to a stationary device of sufficient strength; and said invention consists in certain peculiarities of construction and combination of parts hereinafter particularly set forth, with reference to the accompanying drawings, and subsequently claimed.

Figure 1 of the drawings represents a partly-sectional front elevation of a machine in accordance with my invention clutched on a guide-wire; Fig. 2, a rear elevation of the machine, a strap attachment of the same being removed; and Figs. 3, 4, and 5, sectional views of said machine, respectively indicated by lines 3 3, 4 4, and 5 5 in Fig. 1.

Referring by letter to the drawings, A indicates a horizontal bar, preferably in one piece, with an arch B, having an upper central shank C, the whole constituting an open handle. The shank of the handle is provided with an upper lateral and vertically-grooved lug D, that constitutes a jaw, and crossing the opening in said handle central of the same is a split spring-sleeve E, that constitutes a shield secured in place by any suitable means, it being herein shown provided with ears riveted to the bar and yoke aforesaid.

Pivotaly connected to the handle at the junction of the arch and shank portions of the same is a bell-crank lever F, having one arm thereof provided with a vertically-recessed lateral lug b, in which an ear e of a jaw G is pivoted, this jaw being engageable with the

one, D, aforesaid. A spring H is connected to the handle-shank C to bear upon the lever F, and thereby prevent accidental separation of the jaws.

Hung in connection with the bar A of the handle is a shackle I, and a strap J is provided at one end with an eye d, engaged by a ring K in swivel-shank connection with the shackle, the other end of the strap being provided with a hook e for engagement with said ring.

Projecting from one side of the handle are hooks L, on which to coil a flexible wire M of suitable strength, one end of this wire being preferably attached to a hook N to facilitate a connection with some other device. The wire detached from the hooks L and fastened at its upper end to some convenient device constitutes the guide for the machine above specified, said wire being caught in the sleeve E and between the jaws D G of said machine. The operator hanging from the handle of the machine, in or out of embrace of the strap J, presses on the lever F to regulate speed of descent, the pressure serving to clamp the jaws of said machine on its guides.

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

1. In a fire-escape, the combination of a handle having an upper central shank extension provided with a vertically-grooved lateral lug constituting a jaw, a bell-crank lever in pivotal connection with the handle, a vertically-recessed lateral lug on one arm of the lever, and a jaw having an ear thereof pivoted in the recess of the lever-lug, the latter jaw being engageable with the one aforesaid to have frictional contact therewith against an interposed suspended guide.

2. In a fire-escape, the combination of an open handle having an upper central shank extension provided with a vertically-grooved lateral lug constituting a jaw, a bell-crank lever in pivotal connection with the handle, a vertically-recessed lateral lug on an arm of the lever, a jaw having an ear thereof pivoted

in the recess of the lever-lug, the latter jaw  
being engageable with the one aforesaid to  
have frictional contact with an interposed  
guide, and a guide-shield crossing the open-  
5 ing in said handle.

In testimony that I claim the foregoing I  
have hereunto set my hand, at Milwaukee, in

the county of Milwaukee and State of W  
consin, in the presence of two witnesses.

HENRY JOHN NOLL

Witnesses:

N. E. OLIPHANT,  
HUGO FAHL.