

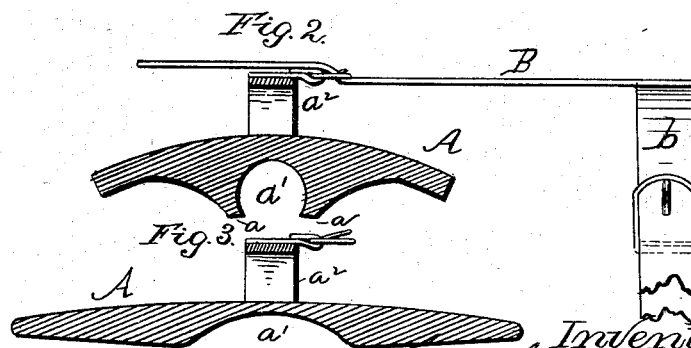
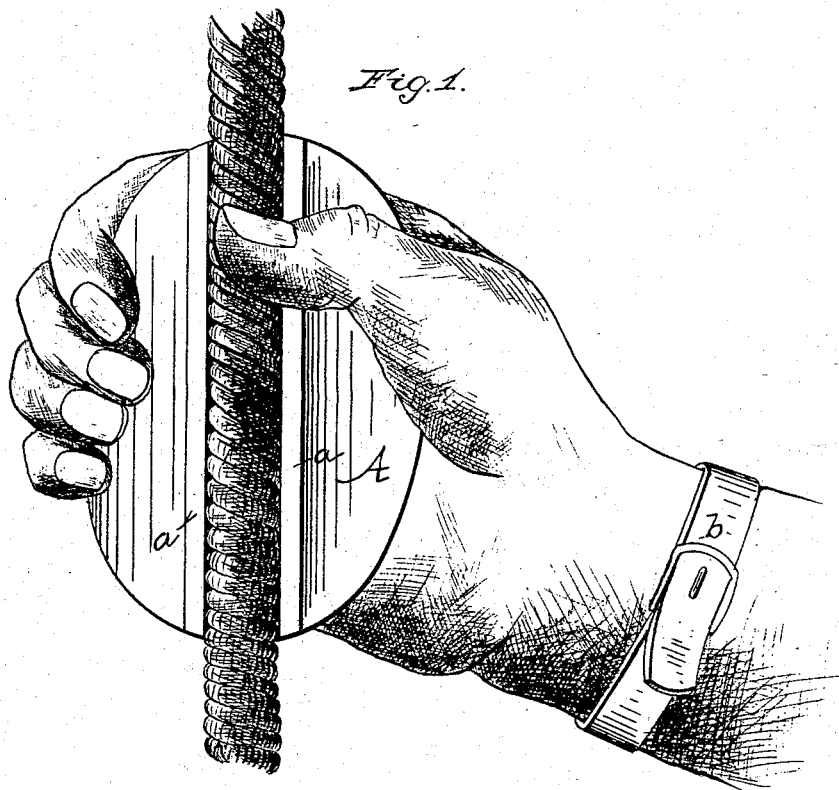
(No Model.)

E. EMMERT.

FIRE ESCAPE.

No. 263,775.

Patented Sept. 5, 1882.



Witnesses:

J. W. Garner.
H. S. Haines.

Inventor:

E. Emmert.
by Howard A. Loomis
Attorney

UNITED STATES PATENT OFFICE.

EZRA EMMERT, OF DIXON, ILLINOIS.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 263,775, dated September 5, 1882.

Application filed February 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, EZRA EMMERT, a citizen of the United States, residing at Dixon, in the county of Lee and State of Illinois, have
5 invented certain new and useful Improvements in Fire-Escapes, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to fire-escapes, the construction of which will be hereinafter fully set forth.

In the drawings, Figure 1 is a view of the fire-escape as applied. Fig. 2 is a section, and Fig. 3 is a modification.

15 A is a flexible rubber disk, and is made preferably oval in shape, as shown. Its lower side is constructed with projecting lugs *a a*, by which a groove, *a'*, is formed between them, extending the length of the disk, as shown.
20 To the back of the disk is attached a strap, *a*², by which it is secured to the hand.

B is a band buckled to the strap *a*², as shown, and attached to a strap, *b*, buckled around the wrist, as shown. In operation the hand is inserted under the strap *a*² and the disk grasped.
25 The rope C is then placed in the groove *a'* and the descent commenced. The speed is regulated by the amount of pressure exerted by the hand upon the edges of the disk, which operates to increase the pressure of the lugs *a a* upon
30 the rope and to cause a consequent decrease in the speed.

I do not confine myself to the construction of a disk with the lugs *a a*, but provide that a flexible disk tapering toward each side and
35 with a central groove, as shown in Fig. 3, may be used, if desired.

What I claim is—

1. A fire-escape consisting of a flexible rubber disk formed with lugs *a a*, grooves *a'*, and provided with a strap, *a*², in combination with
40 a rope, arranged to operate substantially as shown and described.

2. In a fire-escape, the combination of the disk A, formed with lugs *a a*, groove *a'*, and
45 provided with a strap, *a*², with the strap B and wrist-strap *b*, all arranged to operate substantially as shown and described.

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

EZRA EMMERT.

Witnesses:

D. D. O'BRIEN,
W. W. BETHEA.