K. G. FEYMA.

FIRE ESCAPE.

APPLICATION FILED JULY 10, 1906.

913,117.

Patented Feb. 23, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

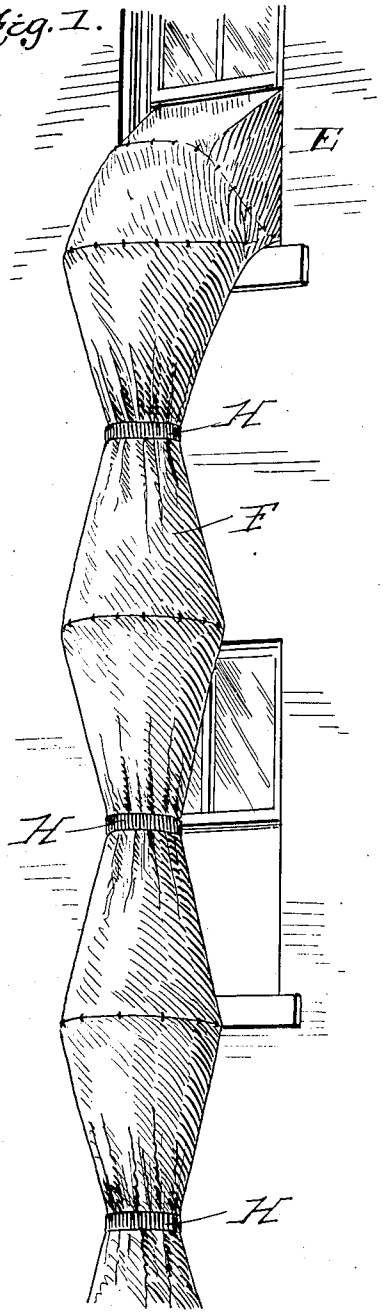
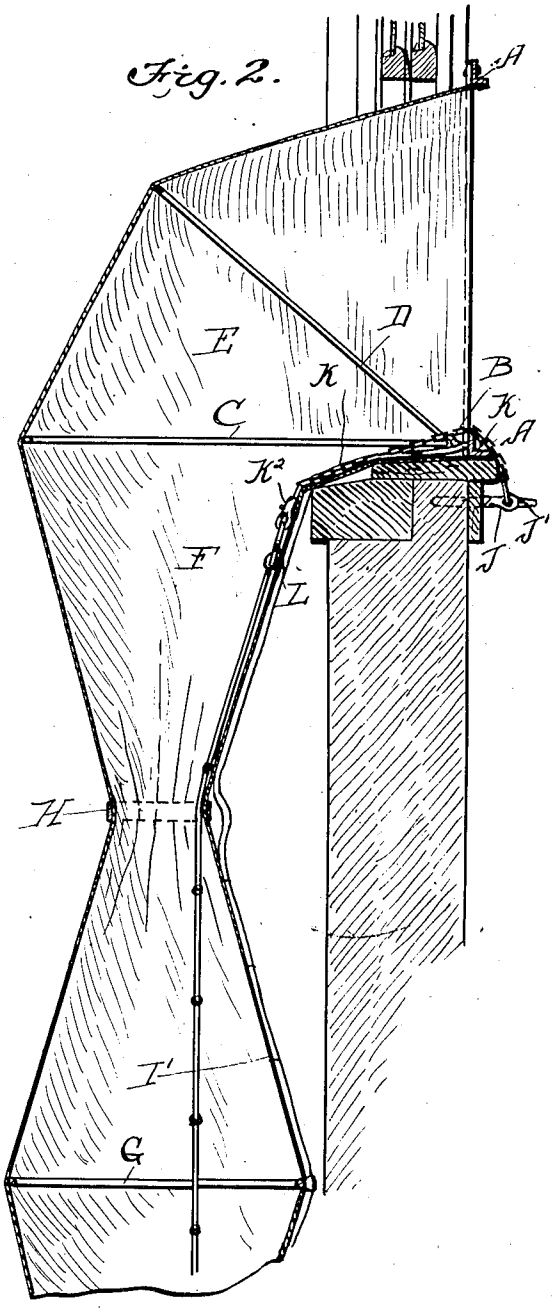


Fig. 2.



WITNESSES

Wm. D. Blondell,

Ria P. Albright.

INVENTOR

K. G. Feyma.

By

O'Meara & Brock

ATTYS.

K. G. FEYMA.

FIRE ESCAPE.

APPLICATION FILED JULY 10, 1906.

913,117.

Patented Feb. 23, 1909.

2 SHEETS—SHEET 2.

Fig. 3.

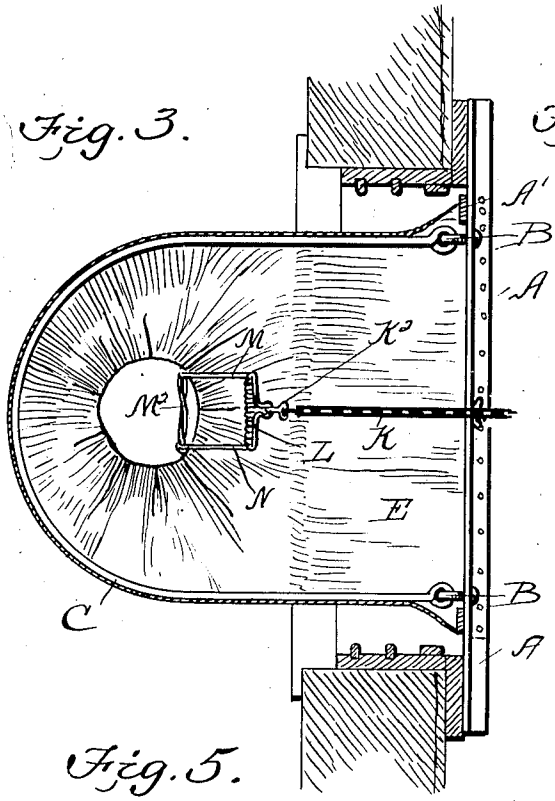


Fig. 4.

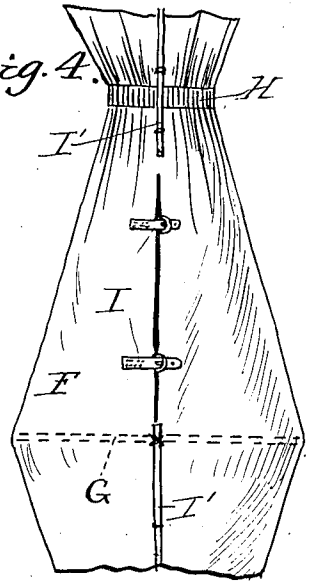
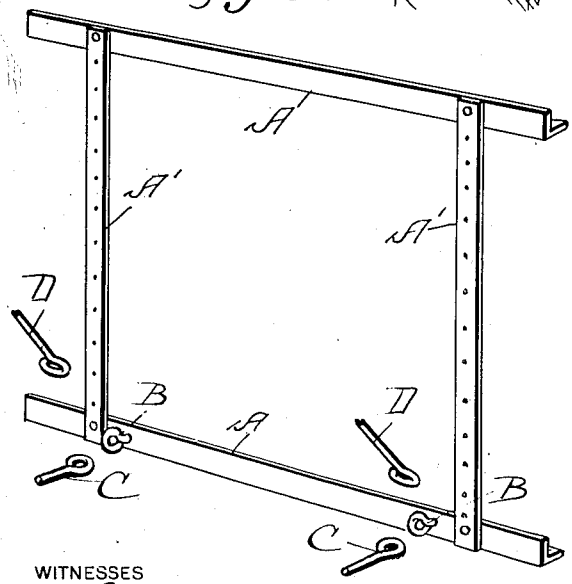


Fig. 5.



WITNESSES

W. R. Blondell

Rea D. Albright

INVENTOR

K. G. Feyma.

By Means & Buck

ATTYS.

UNITED STATES PATENT OFFICE.

KLAAS GERBENS FEYMA, OF SANDSTONE, MINNESOTA.

FIRE-ESCAPE.

No. 913,117. Specification of Letters Patent. Patented Feb. 23, 1909.

Application filed July 10, 1906. Serial No. 325,477.

To all whom it may concern:

Be it known that I, KLAAS G. FEYMA, a citizen of the United States, residing at Sandstone, in the county of Pine and State of Minnesota, have invented a new and useful Improvement in Fire-Escapes, of which the following is a specification.

This invention relates to fire escapes and more particularly to portable fire escapes, the object being to provide a fire escape which is very simple and cheap in construction and one which is very effective in use.

Another object of my invention is to provide a flexible chute in connection with the rope ladder, so that if the person slips off, he will be caught in the chute.

With these and various other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claim.

In the drawings forming a part of this specification;—Figure 1 is a perspective view of a portion of my improved fire escape attached to the window of a building. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal sectional view through the upper portion of the chute and frame. Fig. 4 is a side view of a portion of the escape. Fig. 5 is a perspective view of the frame and a portion of the loop.

Referring to the drawings A indicates a pair of angled perforated bars connected together by perforated cross bars A′, adjacent each end forming a rectangular frame, which is adapted to be secured across the window frame. Secured to the lower angle bar, adjacent each end is an eye B, in which the eyes of the loops C and D are loosely mounted. Secured to the bars A, and A′, of the frame is a canvas hood E, supported by the loops C and D having a canvas chute F, connected thereto, formed of a series of sections connected together having hoops G arranged therein at the connecting points. Flexible bands H are arranged on the outside of the section midway between the hoops forming contracted portions for the purpose hereinafter described. The sections are split adjacent each hoop and are connected together by buckles and straps I, forming openings so that the chute can be readily repaired when desired, and forming air openings when in use. A rope I′ is secured to the side of the chute, the whole length of the same having loops left at the flexible bands, so that the chute can expand, the upper end of the rope being secured to the lower angle bar and securely supporting the chute.

A bit J is secured in the window frame under the sill and is provided with a ring J′, to which a snap hook K′, is secured which is carried by a chain K, which is provided with a snap hook K^2, at one end adapted to be connected to a loop L, supporting the rope ladder in the chute which consists of side ropes M and N connected together by ropes M^2.

From the foregoing description it will be readily seen that if a person should slip off the ladder, he would be caught in the contracted portion and be prevented from falling all the way down.

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

A fire escape comprising a rectangular frame having outwardly extending upper and lower horizontal bars adapted to engage the side bars of a window frame, eyes secured to the lower horizontal bars, loops pivotally mounted in said eyes forming a support for a canvas hood carried by said frame and a chute connected to said hood formed of a plurality of sections connected together having hoops arranged at the connecting portions and elastic bands arranged intermediate said hoops.

KLAAS GERBENS FEYMA.

Witnesses:

DANIEL RUSSELL,

A. H. DANFORTH.