

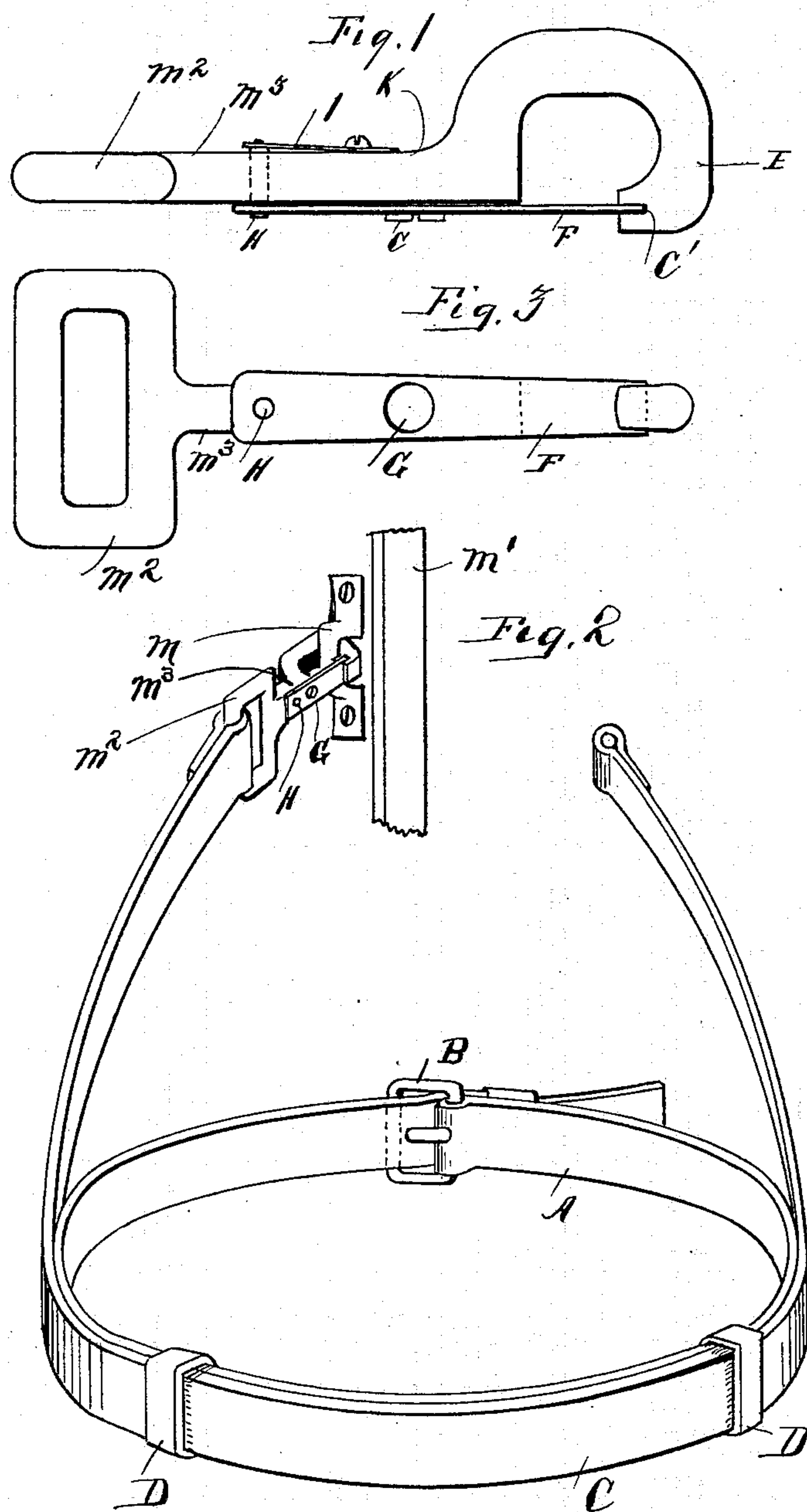
No. 615,498.

Patented Dec. 6, 1898.

W. ROSENGARTEN.
SAFETY DEVICE FOR WINDOW CLEANERS.

(Application filed May 17, 1898.)

(No Model.)



Witnesses,
Emil H. C. Hartmann
Otto Harold

Inventor.
William Rosengarten
By Homer A. Gher,

UNITED STATES PATENT OFFICE.

WILLIAM ROSENGARTEN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR
TO CLEMENT E. LLOYD, OF SAME PLACE.

SAFETY DEVICE FOR WINDOW-CLEANERS.

SPECIFICATION forming part of Letters Patent No. 615,498, dated December 6, 1898.

Application filed May 17, 1898. Serial No. 680,933. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ROSENGARTEN, a citizen of the United States of America, and a resident of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Safety Devices for Window-Cleaners, of which the following is a specification.

My invention has reference to safety devices for window-cleaners; and it consists of features fully set forth in the following specification and accompanying drawings, forming part thereof.

The object of my invention is to provide an inexpensive and efficient support for window-cleaners and to increase the security against possible accident.

It consists of a lock in combination with a hook, which hook is carried by the terminals of the retaining-belt of the window-cleaner. There are of course two of these hooks with their coacting locks; but I show only one in the drawings, they being identical in structure.

In the drawings like parts are referred to by marks or figures of a corresponding kind in the different views.

Figure 1 is a plan of my locking-hook; Fig. 2, a side elevation thereof; Fig. 3, a perspective view of the body-belt, its supporting-belt, and the one end hook in position.

A is the belt, adapted to encircle the body of the window-cleaner. This belt has its terminals united by the usual buckle B.

C is a body-belt retainer fixed or supported to the said body-belt A by the holders therefor D D. These holders are preferably fixed to the body-belt A. The belt C is thus free to slide through its retaining-guides D D.

E is a hook having an arm m^3 integral therewith and a slotted head m^2 , the purpose of this slot being to hold the belt C, as shown in Fig. 2. The said hook is designed to engage the staple m , carried by the window-frame m' , as also shown in Fig. 2.

e' is a notch carried by the hook E. This notch receives the locking member F. This

bar is pivotally supported to the arm m^3 aforesaid.

H is a locking-pin for the member F, carried by the aforementioned arm m^3 , a hole passing through said arm to permit of said pin being retained therein.

I is a spring engaging with the rod H and retaining it in locking engagement with the member F.

When I wish to connect my device with a window, I first relax the spring I and disconnect the rod H from the bar F and thereafter oscillate the said bar to a degree sufficient to permit of the hook E engaging in the window-staple, as shown, whereupon I return the member F to its normal position, as shown in Figs. 1 and 2, in which position the user of the device is secure against accident by falling.

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

1. The combination in a safety device for window-cleaners of a body-belt a retaining-belt therefor, the said latter belt being free to slide over or around the former, a terminal hook carried by each of the extremities of the body-belt retainer consisting of the hook E, part F, oscillatably held to the supporting-arm of the hook K, locking-pin H and spring I, as and for the purpose set forth.

2. The combination in a safety device for window-cleaners of a body-belt, a retaining-belt therefor, the said latter belt being free to slide over or around the former, a terminal hook carried by each of the extremities of the body-belt retainer, a lock for said terminal hooks consisting of an automatic spring-actuated member carried by the shank of said hooks and adapted to engage with an oscillating locking-bar also carried by the shank of said hooks.

WILLIAM ROSENGARTEN.

Witnesses:

HOMER A. HERR,
HARRY HARTMANN.