

(No Model.)

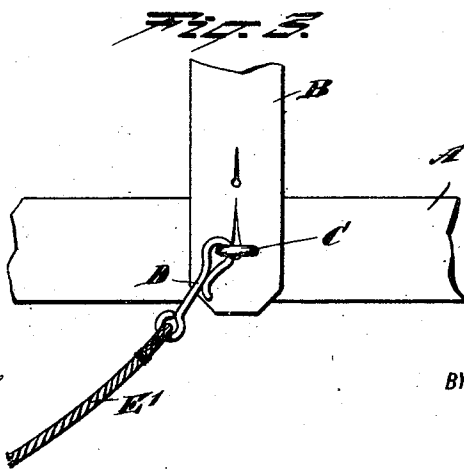
J. F. GIRTLER.
SAFETY DEVICE FOR WINDOW CLEANERS.

No. 578,145.

Patented Mar. 2, 1897.



Fig. 2.



WITNESSES:

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TO CHARLES C. WILLIGES AND FRANK J. WERNER, OF SAME PLACE.

SAFETY DEVICE FOR WINDOW-CLEANERS.

SPECIFICATION forming part of Letters Patent No. 578,145, dated March 2, 1897.

Application filed November 11, 1896. Serial No. 611,739. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. GIRTLE, a subject of the Emperor of Austria-Hungary, residing in Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Safety Device for Window-Cleaners, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved safety device for the use of persons cleaning windows and arranged to permit a person to readily don the device and connect the same with the window-frame to guard against falling out of the window.

The invention consists principally of a belt, shoulder-straps connected with the said belt, and straps or cords having forked ends for connection with the said belt or shoulder-straps and with the window-casing.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front perspective view of the improvement as applied. Fig. 2 is a reduced rear perspective view of the same, and Fig. 3 is an enlarged front elevation of the device for fastening the free end of a shoulder-strap to the belt.

The improved safety device is provided with a belt A, adapted to be buckled or otherwise fastened to the waist of the person engaged in cleaning a window. On the rear of the belt A are secured shoulder-straps B, adapted to be passed over the shoulders of the person and then crossed in front, as indicated in Fig. 1, with the free ends of the shoulder-straps engaging by means of buttonholes, eyes, or staples C, preferably mounted to turn on the belt A. Each of the staples or eyes C is adapted to be engaged by a spring-hook D, so as to prevent the end of the shoulder-strap from becoming accidentally disconnected from the eye or staple C, as will be readily understood by reference to Fig. 3.

The spring-hook D is secured on the end of a fork E', forming part of a strap or cord E, having a second fork E², provided with a similar hook D', engaging a loop or ring F, attached to the shoulder-strap B a suitable distance

above the belt A, as is plainly indicated in Fig. 1.

The outer end of each strap or cord E is forked similarly to the inner end thereof, and the forks E³ E⁴ are provided with spring-hooks D² D³ similar to the hooks D and D'. The said hooks D² D³ are adapted to be hooked upon staples G G', respectively, arranged one above the other and secured on a keeper H, attached to the window-casing I at the inside thereof.

Now it will be seen that by the arrangement described the belt A and shoulder-straps B can be readily donned by the person engaged in cleaning a window, and the hooks D and D' of the cords or straps E can be readily hooked on the staples C and loops F, and then the person wearing the device can readily connect the hooks D² D³ to the staples G G' on the keepers attached to the window-casing of the window to be cleaned.

It is evident that when the device is used as above described, and shown in Figs. 1 and 2, then the cords E, with the belt A, shoulder-straps B, and keepers H, prevent the person wearing the device from falling out of the window and at the same time give the necessary freedom to the person to move on the window-sill and use his or her arms to properly clean the window.

The device is very simple and durable in construction, can be cheaply manufactured, and is readily donned by a person and connected with the keepers held on the inside of each window-casing.

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

A safety device of the class described, comprising a belt, shoulder-straps permanently connected at one end to the said belt, and removably connected at their other ends to said belt, cords having their ends forked, hooks on the ends of the forked members, the inner hooks being adapted to connect with the said belt and shoulder-straps, and keepers adapted to be fixed to the window-casing and to be engaged by the hooks on the ends of the outer forked members, substantially as shown and described.

JOHN F. GIRTLE.

Witnesses:

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JNO. M. RITTER.