





# UNITED STATES PATENT OFFICE.

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## COMBINED WINDOW-REST AND ESCAPE-LADDER.

No. 886,605.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHANN JOSEF HERSCHE, privateer, a subject of the Confederation Swiss Republic, residing at Appenzell, Republic of Switzerland, (with a post-office address Villa Theresia, Appenzell,) have invented a certain new and useful Improved Combined Window-Rest and Escape-Ladder, whereof the following is a specification.

This invention relates to an improved combined window rest and escape ladder which can be put on and taken off the window, and consists in the arrangement of same in such a manner that the longitudinal beams of the ladder consist of a number of telescopic parts carrying the cross bars of tread between them, by means of which parts the ladder can be collapsed as well as extended to any required length.

I will now describe my invention with reference to the accompanying drawings, in which,

Figure 1 shows the arrangement in its use as a window rest. Fig. 2 shows same in its employment as an escape ladder. Figs. 3 and 4 are views of details, partly in section.

The arrangement as shown in the drawings comprises two parallel sides placed horizontally along the window, said sides consisting of a number of telescopic tubes *a*, *b*, *c*. Each pair of oppositely arranged tubes *a* and *c* of the longitudinal sides is held firmly connected by means of cross bars *d*. The two outer tubes *c* are provided with flanges *e* (Figs. 3, 4), screwed to them, by means of which the device is guided and supported in grooves *f* (Figs. 1 & 2) arranged in the window frame.

Of the tubes *a*, *b*, *c* of the device each tube *a* is arranged as an inner member between two tubes *c*, constituting outer members, two tubes *b* being placed between an inner tube *a* and the two outer tubes *c* connected to same, (Fig. 3). The tubes *a*, *b*, *c* are provided with enlargements *a*<sup>1</sup>, *b*<sup>1</sup>, *c*<sup>1</sup> at their ends for the purpose of limiting their travel, said enlargements being preferably formed by rings let in and screwed on to the tubes, and being arranged on the tube *a* at both ends, on the tube *b* at its outer ends, and on the tube *c* at the inside on both ends. A chain *g* may be fastened to one of the cross bars *d* at one end, and fixed to the window frame at its other end.

When required to be used as an escape ladder, the flanges *e* of the device are lifted out of the grooves *f*. Thereupon the tubes are drawn apart till their enlargements abut against each other (Fig. 4). Thus the device which then in position at the window serves as a window rest is converted into a ladder, the longitudinal beams of which are formed by a series of telescopic tubes *a*, *b*, *c* and these treads by the cross bars *d*. The ladder is held by the chain. If required the device may be arranged in such a manner that the ladder of a higher story may be drawn out so as to reach the window of the story underneath with which it can be connected, and which forms further connection to a still lower story or the ground.

The number of telescopic tubes for each step may be varied according to requirements; for instance five tubes may be arranged between the outer tubes *c* instead of three (*b*, *a*, *b*) as shown in the drawings.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

1. The combination with the building of a ladder approximately the length of the height of a story, the stiles of which are made in telescopic sections, sections of one stile being connected to corresponding sections of the other stile by rungs, the stiles having at each end blocks adapted to engage the window frame and secure the ladder when collapsed, transversely thereof, as a window rest or guard.

2. The combination with a building of a collapsible ladder approximately the length of the height of a story, stiles composed of sections, each section consisting of a plurality of telescopic tubes, certain tubes of each section of one stile being connected to corresponding tubes of the other stile by rungs, the stiles having at each end blocks adapted to engage the window frame and hold the ladder when collapsed, transversely thereof, as a window rest or guard.

In testimony whereof I affix my signature.

JOHANN JOSEF HERSCHE.

In the presence of—

J. KREBS,

A. LIEBERKNECHT.