H. ZOTZ & A. GRIESSL.

WINDOW FASTENER.

APPLICATION FILED DEC. 11, 1913.

1,174,374. Patented Mar. 7, 1916.

FIG. 1

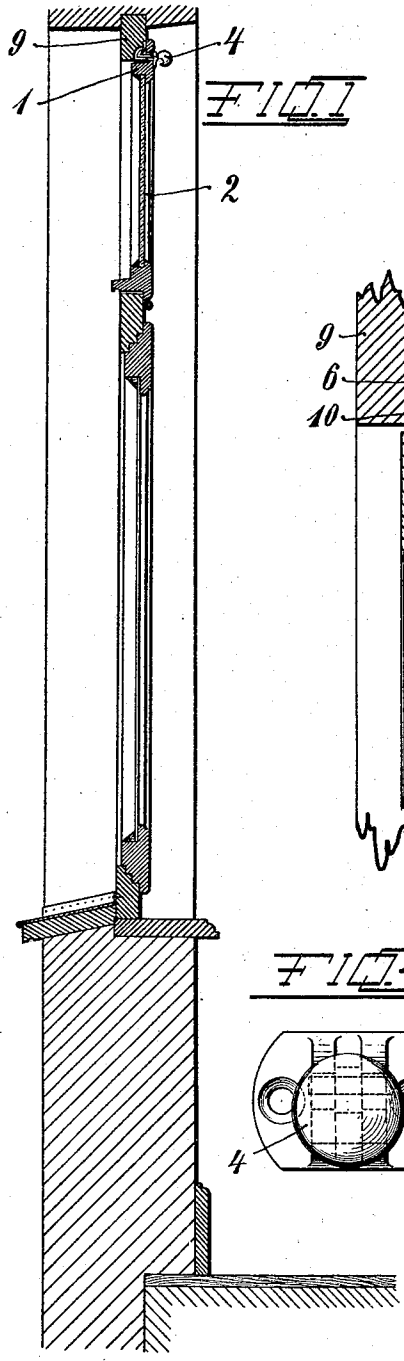


FIG. 2

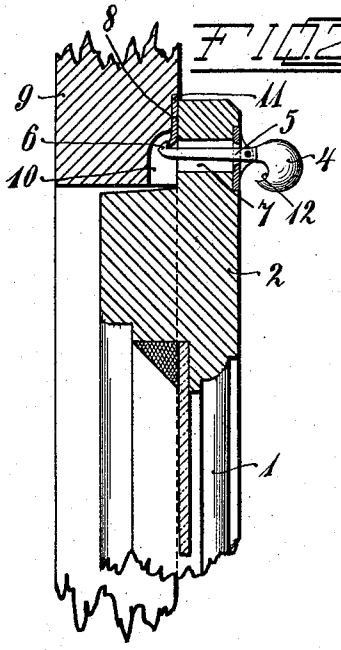


FIG. 3

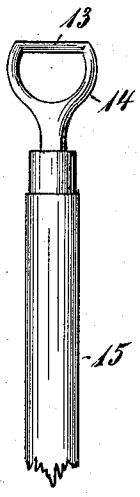


FIG. 4

FIG. 5

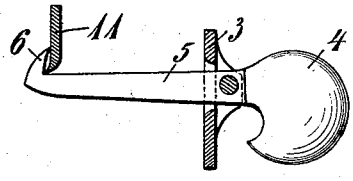
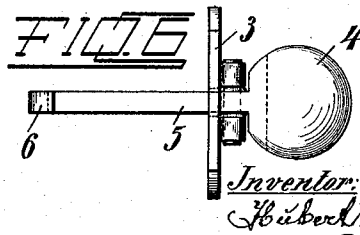


FIG. 6



Witnesses:
Jos. Zbo
Arthur Klinger

Inventor:
Hubert Zotz
Alois Griessl

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HUBERT ZOTZ AND ALOIS GRIESSL, OF ZUG, SWITZERLAND.

WINDOW-FASTENER.

1,174,374. Specification of Letters Patent. Patented Mar. 7, 1916.

Application filed December 11, 1913. Serial No. 805,991.

To all whom it may concern:

Be it known that we, HUBERT ZOTZ and ALOIS GRIESSL, both citizens of the Empire of Austria-Hungary, and residing at Zug, Canton Zug, Switzerland, have invented a certain new and useful Window-Fastener; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures marked thereon, which form a part of this specification.

The present invention relates to improvements in window fasteners and is particularly intended for use with roof windows or the like which cannot be conveniently reached by hand.

It is the object to provide a window fastener having a double armed lever one arm of which is weighted and provided with a suitable recess for the reception of a tool adapted to lock and unlock the window.

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

Figure 1 is a cross-section through a window frame to which the device is attached. Fig. 2 shows the device in a side view partly in section. Fig. 3 shows an implement for use in combination with the novel device. Figs. 4–6 are detail views of the fastener on an enlarged scale, partly in elevation and partly in section.

1 denotes the frame of a window 2 which swings around a horizontal axis. On the frame 1 a bearing 3 is fastened by means of screws and in this bearing a double armed lever is journaled. One arm 4 of said lever has the shape of a ball and is considerably heavier than the other arm 5 of said lever. The free end of arm 5 forms a hook 6 pointing upwardly. The arm 5 passes through a cavity 7 of the frame 1 and projects from the face 8 of frame 1. The outer frame 9 in which the window 2 is journaled is provided with a cavity 10 which is partly closed by a plate 11. The arrangement and form of hook 6 and plate 11 is such that the hook 6 enters in the cavity 10 and passes automatically behind said plate 11 when the window is closed. The weight 4 holds the hook 6 in its locking position. The arm 4 has a recess 12 in which a bar 13 of a ring 14 may be inserted. The ring 14 is fastened to a handle 15.

To open the window 2 the handle 13 is pressed between the frame 1 and the weight 4 into the recess 12. The lever 4, 5 swings out thereby the hook 6 frees the plate 11 and the window 2 resting all the while on the ring 14 may be let down until it rests on a stop. In this position the ring 14 may be easily withdrawn. To close the window 2 it is only necessary to swing it upwardly.

The device is very simple in construction, can be cheaply manufactured and readily applied, is not liable to get out of order. It operates in a very satisfactory manner to accomplish the end for which it is designed.

The double armed lever may be made adjustable so that its length may be varied to suit requirements.

What we claim is:

In a window lock of the character described, the combination of a recessed sash and a window frame provided with an opening, a two-armed lever, a plate covering said opening and providing a bearing for said lever, one arm of said lever being adapted to be guided through said opening into said recess, a hook at the inner end of said arm adapted to engage the front wall of said recess, a weight forming the second arm of said lever and being provided with a recess adapted to receive a tool for fastening and unfastening the window from a distance, substantially as described and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

HUBERT ZOTZ.
ALOIS GRIESSL.

Witnesses:
J. ARTHUR EBINGER,
CARL GUBLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."