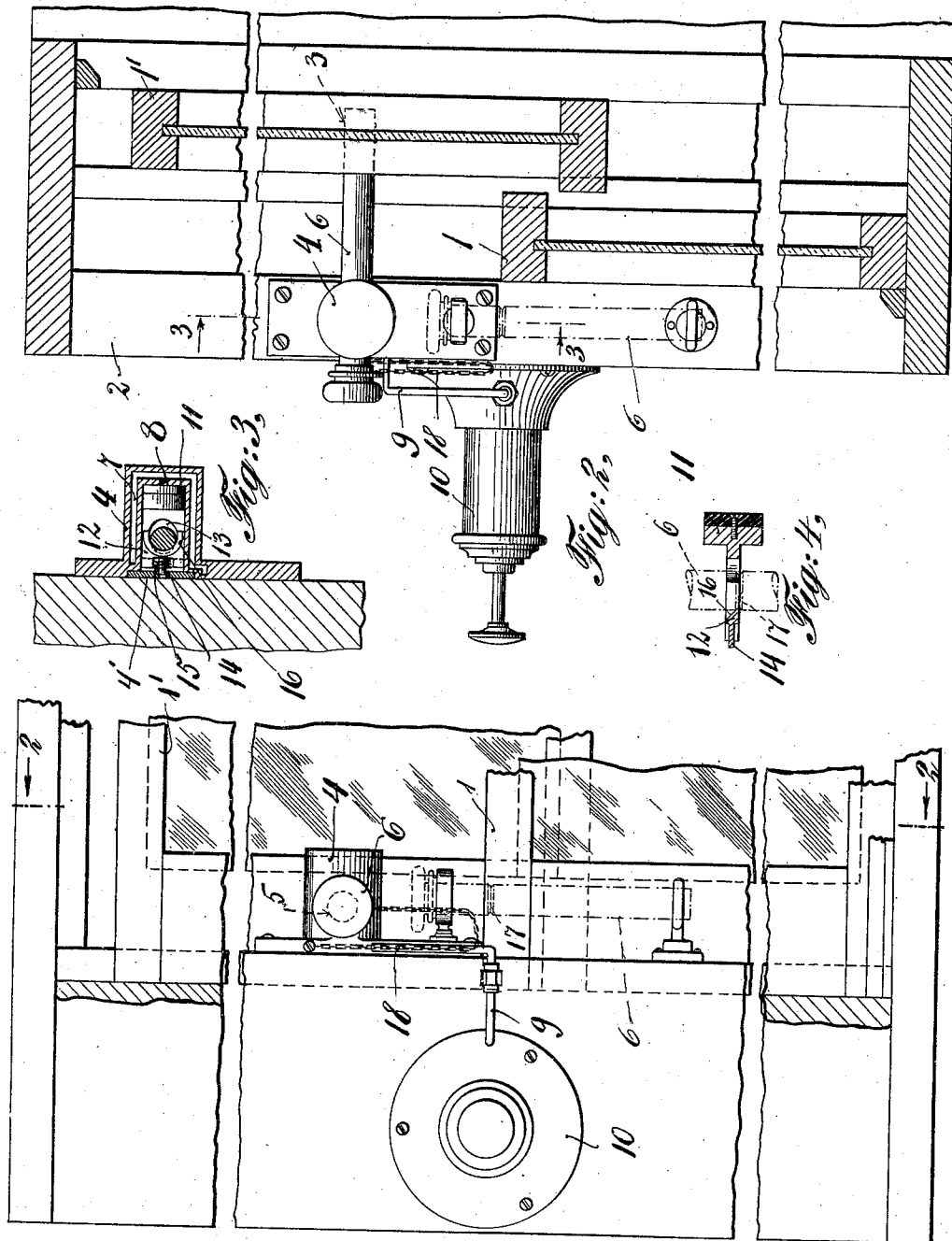


F. MESZAROS.
SAFETY LOCK FOR WINDOWS.
APPLICATION FILED APR. 25, 1910.

986,737.

Patented Mar. 14, 1911.



Witnesses:
R. F. J. J. J.
F. F. F.

Fig. 1.

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By his Attorney
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UNITED STATES PATENT OFFICE.

FRANK MESZAROS, OF NEW YORK, N. Y.

SAFETY-LOCK FOR WINDOWS.

986,737.

Specification of Letters Patent.

Patented Mar. 14, 1911.

Application filed April 25, 1910. Serial No. 557,527.

To all whom it may concern:

Be it known that I, FRANK MESZAROS, a subject of the Emperor of Austria-Hungary, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Safety-Locks for Windows, of which the following is a specification.

The present invention pertains to safety locks for windows and has for its object to provide a lock, whereby the vertically movable sashes of a window can be locked in open position against vertical displacement, so as to prevent the further opening thereof from the outside.

By means of my novel safety lock the objection of leaving windows open while one is absent from home or during night time to afford ventilation, will be obviated.

In the accompanying drawing, in which similar reference letters denote corresponding parts, Figure 1 is a side elevation of the lock, Fig. 2 a front elevation thereof, Fig. 3 a longitudinal section on line 3—3 of Fig. 2 and Fig. 4 a partial central cross section of Fig. 3.

With reference to the drawing, 1, 1' denote the window sashes movable vertically in the window frame 2. The outer sash is laterally provided with a cross hole 3, arranged at a suitable distance from its lower edge.

Projecting transversely to the window sashes and fixed to the window frame or wall inside the room is a casing 4 having cross bores 5. Adapted to fit in said bore is a bolt 6 which in use is passed from inside the room through said bore to project crosswise through the path of the inner sash and to engage with its outer end into the bore 3 of the lowered outer sash. This bolt when thus engaging the lowered outer sash secures the latter in open position, preventing it from being drawn farther downward and at the same time limits the upward movement of the inner sash. To secure the bolt in locking position, I employ the following means:

The casing 4 is formed as an air cylinder having an air passage 7, and an air inlet 8, which by means of a pipe 9 is in communication with an air pump 10. The latter may be secured inside of the room at any suitable place so as not to be easily accessible from outside of the room. Slidably arranged in said air cylinder is a piston shaped body 11 from the inner face of which projects a bar or plate 12. The latter has a cross bore 13. The piston and bar 11 are guided by a pin 14 in the base 4' of the cylinder and are actuated by a spring 15, which constantly presses the same outward. In the normal position of the bar 12 the bore 13 is longitudinally displaced relative to the bores 5 of the casing, so that one edge 16 thereof, which may be tapered, partly obstructs the said bores 5. The bolt 6 is provided with a circumferential tapered groove 17 into which the catch 16 will engage when the bolt is pushed through the casing 4 and whereby the bolt will be caught and retained in locking position. The disengagement of the bolt from the catch 16 may be accomplished by the manipulation of the air pump 10, that sends compressed air through the inlet 8 against the piston 11, whereby the latter against the action of its spring will be moved inward. By this inward movement the edge or catch 16 will be released from within the groove 17, allowing the withdrawal of the bolt 6.

The bolt 6 may be attached to the casing 4 by means of a chain 18 and when not in use suitably supported in the position indicated by dotted lines in Figs. 1 and 2.

It is understood that various other means to retain the bolt in locking position and various other means for operating said retaining means may be used without departing from the principle of my invention and I, therefore, do not wish to be understood as confining myself to those shown and described.

What I claim and desire to secure by Letters Patent is:

A locking device, comprising a casing hav-

ing a cross bore, a spring actuated piston
working therein, a plate projecting from
the inner face of the said piston and having
a perforation which tends to move out of
5 alinement to the said cross bore, a locking
bolt adapted to project through said cross
bore and the said perforation and to be
locked in position by the said plate and

means for pneumatically operating the said
piston.

In testimony whereof I affix my signature
in presence of two witnesses.

FRANK MESZAROS.

Witnesses:

MAX D. ORDMANN,
JOHN T. CARMODY.

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