Feb. 10, 1925. 1,526,066

J. HORNOSTAJ

LOCK

Filed Feb. 10, 1923

Fig. 1.

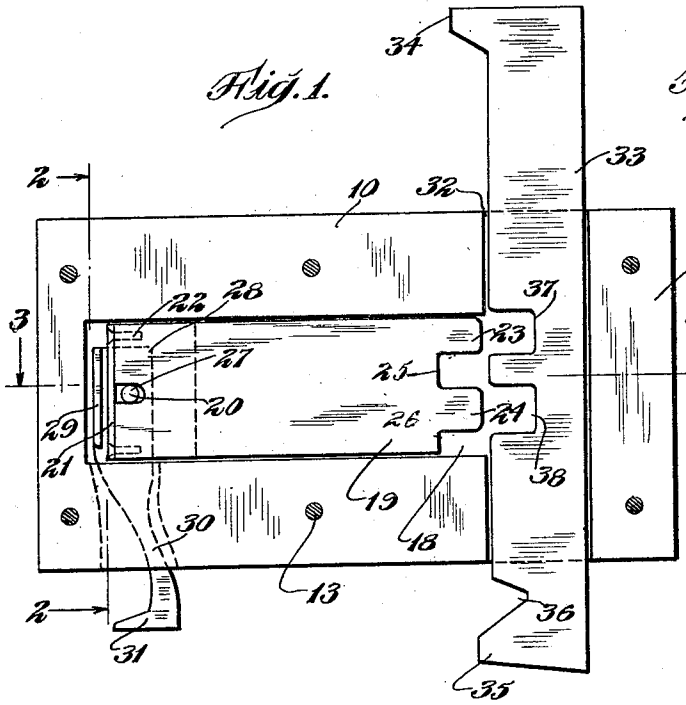


Fig. 2.

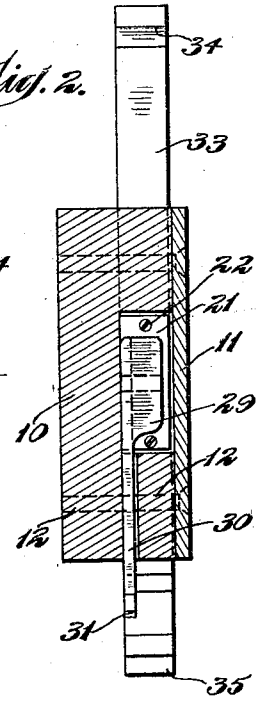
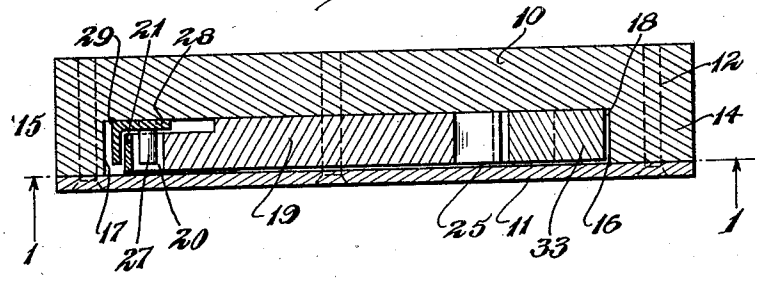


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHAN HORNOSTAJ, OF CLEVELAND, OHIO.

LOCK.

Application filed February 10, 1923. Serial No. 618,263.

To all whom it may concern:

Be it known that I, JOHAN HORNOSTAJ, a citizen of Ukraine, residing at Cleveland, county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Locks, of which the following is a specification.

This invention relates to improvements in locking devices, and it is the principal object of the invention to provide a locking device for latches or the like which is extremely simple and inexpensive in its construction, and which allows a ready and convenient operation.

These and other objects of my invention will become more fully known as the description thereof proceeds, and will then be specifically pointed out in the appended claim.

In the accompanying drawing:

Figure 1 is a front elevation of a locking device constructed according to the present invention.

Figure 2 is an end elevation, partly in section on line 2—2 of Figure 1.

Figure 3 is a longitudinal section on line 3—3 of Figure 1.

The locking device constructed according to my invention comprises a casing or frame 10 to which is removably attached a front plate 11, by means of screws 12 fitting into correspondingly arranged holes 13 in the side bars of the frame.

Blocks 14 and 15 constitute the ends of the casing and form inner shoulders 16 and 17 so that a chamber 18 is created in which is slidably disposed a bolt or lug 19 provided at one end with a recess or slot 20 closed on the outside by a strip 21 secured to the outer edge of lug 19 by means of screws 22 or the like.

The opposite end of lug 19 is formed with fingers 23 and 24 forming recesses 25 and 26 respectively in the edge of lug 19.

In slot 20 a pin 27 engages rectangularly disposed to and secured in a plate 28 having an upstanding flange 29 at its outer edge and a lower handle 30 projecting through a suitable opening in the lower wall of the casing and provided on the outside of the same with a grip 31.

Between the lug 14 and the ends of the upper and lower frame bars, a transverse channel 32 is formed in which is slidably disposed a latch or bar 33 having an upper abutment 34 and a lower abutment 35 forming a recess 36 with the bar 33.

The device operates as follows:

In the open position of the locking device illustrated in Figure 1, bolt 19 is in its rearward position with its fingers 23 and 24 out of engagement with the latch 33; if it is now desired to lock the device, handle 30 is moved by means of its grip 31 towards the rear so that the upper end of plate 28 with its flange 29 will engage bolt or lug 19 and move the fingers 23 and 24 into engagement with the recesses 37 and 38 in latch 33. The movement of handle 30 in opposite direction, will move the fingers 23 and 24 out of the recesses 37 and 38 and allow a free movement of the latch 33.

It will be clear that changes may be made in the general arrangement and the construction of the minor details of my invention without departing from the scope and spirit thereof.

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

A casing formed with a longitudinal channel and a transverse channel communicating with the longitudinal channel at one end thereof and opening through the side walls of the casing, a locking bolt slidably mounted in the longitudinal channel and formed at the end next the transverse channel with spaced fingers, a lever opening through one side wall of the casing and having a down turned portion to rest in rear of the locking bolt, a pin carried by and projecting from said lever and seating in a slot in the locking bolt, whereby said bolt may be moved in either direction in the operation of the lever, and a latch slidably mounted in the transverse channel and formed with fingers to interfit with the fingers of the locking bolt when the latter has been projected to locking position, and a cover plate to directly overlie said locking bolt operating means, locking bolt, and latch.

In testimony whereof I have affixed my signature.

JOHAN HORNOSTAJ.