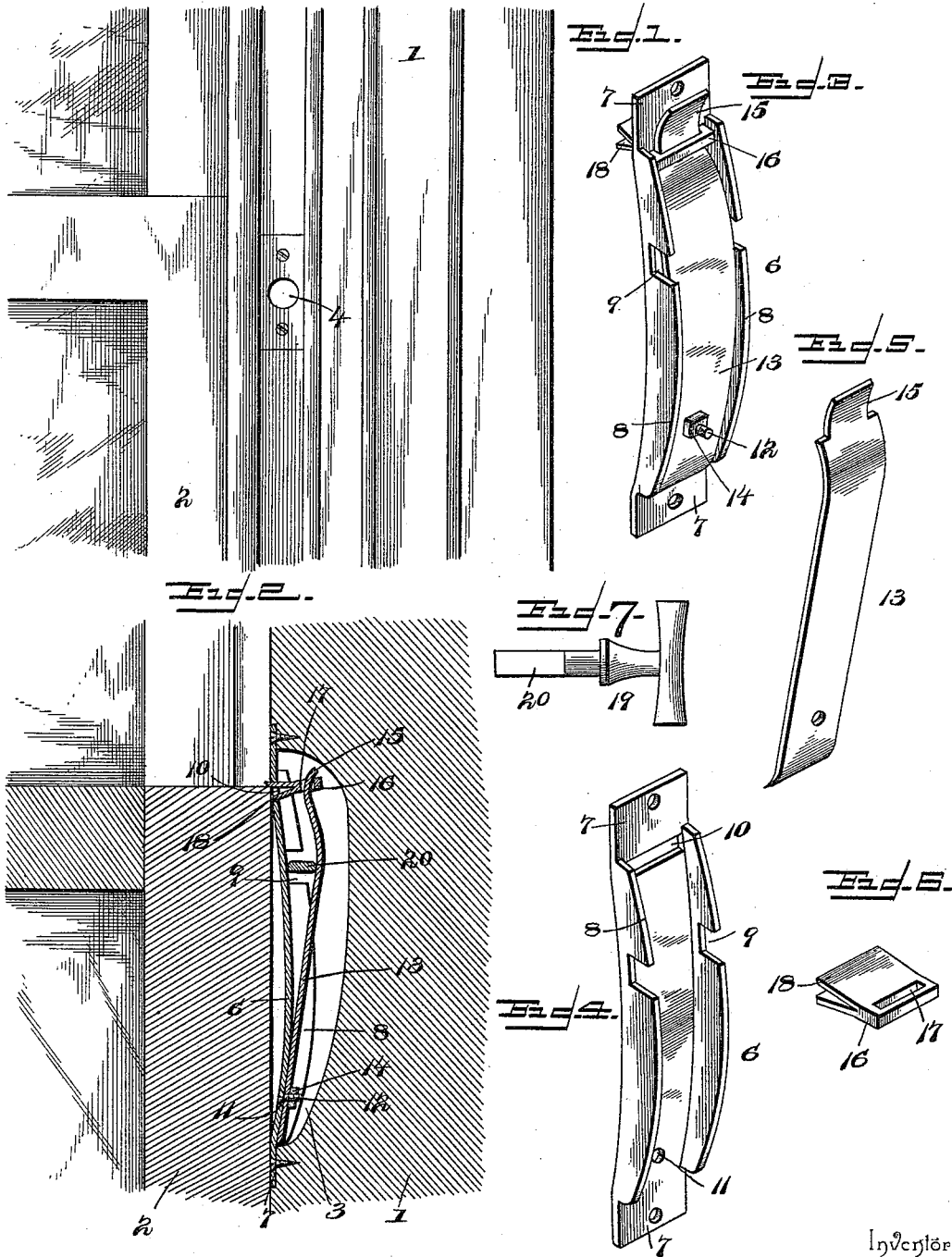


(No Model.)

T. C. MARIS.
SASH HOLDER.

No. 525,851.

Patented Sept. 11, 1894.



Witnesses
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By his Attorneys.

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UNITED STATES PATENT OFFICE.

THOMAS C. MARIS, OF MALTA, OHIO.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 525,851, dated September 11, 1894.

Application filed January 23, 1894. Serial No. 497,804. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. MARIS, a citizen of the United States, residing at Malta, in the county of Morgan and State of Ohio, have invented a new and useful Sash-Holder, of which the following is a specification.

My invention relates to improvements in sash-holders; the objects in view being to produce a simple device adapted to be applied to either a window-frame or the sash-rail, and to effectually hold or lock the sash at any elevation; to so construct the device as to prevent marring the sash or frame; and to provide for a take-up or adjustment of the parts as the same may wear.

With these and other objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is an elevation of a portion of a window-frame and sash. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail in perspective of the lock. Fig. 4 is a detail of the lock-plate. Fig. 5 is a detail of the spring. Fig. 6 is a detail of the catch-dog. Fig. 7 is a detail of the key.

Like numerals of reference indicate like parts in all the figures of the drawings.

The window-frame 1 and the sash-frame 2 are of the ordinary construction, with the exception that the former is provided with a recess 3 with which communicates a transversely disposed cylindrical opening 4 formed in the front face of the window frame and over which is arranged a wear-plate or guard having a circular opening communicating therewith.

6 designates an oblong lock-plate, which is somewhat longer than the recess 3, and therefore has its ends overlapping the ends of the same, and the said overlapping ends are perforated to form securing-plates 7 which are let into the inner surface of the window-frame.

This lock-plate has its opposite side edges outwardly bent to form flanges 8 which at transversely opposite points are provided with openings 9 that align with the key-hole 4. The plate 6 is provided between its edges near its upper end with a transverse slot or opening 10, opposite the meeting rail of the sash, and adjacent to its lower end with a

perforation 11 in which is mounted an adjusting-screw 12. This adjusting-screw passes through a transverse perforation formed in the lower end of a curved spring 13, and is provided with a nut 14 upon the outer side of the spring. The spring being curved the upper bent end thereof, which is reduced at 15, bears normally against the exterior of the lock-plate 6 and extends over the transverse slot 10 formed in said lock-plate. By regulating the screw 11 the tension of the spring may be adjusted so as to bear with greater or less force against the outer side of the lock-plate. A V-shaped catch-dog 16 is located loosely in the slot 10 and has its outer end provided with a slot 17 which is engaged by the reduced end 15 of the spring. The catch-dog is provided with a pair of diverging jaws 18 at its inner or engaging end and is hung loosely upon the reduced end of the spring. The catch is self-adjusting, and is fulcrumed on the edges of the slot, in which it operates; and owing to this particular construction and arrangement it is capable of resisting pressure in either direction, and the greater the pressure exerted on the sash the more firmly it will be wedged in engagement with the sash. It will be observed that the catch-dog will not depend upon the tension of the spring to retain it in a locked position, and the more force applied to the sash in an attempt to raise the same or lower it, the greater will be the binding effect of the catch-dog thereagainst. The outside of the catch-dog bears against the exterior of the spring, and between its ends is fulcrumed on one of the edges of the slot, and when the sash is lowered engages over the top thereof to form a stop for the same to hold the sash against upward movement.

19 designates a key having a blade or shank 20, which is oblong in cross-section and which is designed to be inserted through the key-hole opening 4 between the lock-plate and the spring and to operate against the latter so as to pry or force it away from the lock-plate and hence withdraw the catch-dog from engagement with the window-sash. This key may be permanently swiveled in the key-hole if so desired or be removable, so that only authorized persons can raise or lower the sash. If desired, also, it will be obvious that the

lock may be located in the window-sash and the catch-dog designed to operate against the window-frame, the operation being the same as described.

- 5 As before stated, by operating the screw 12 the tension of the spring may be regulated, and if at any time a break should occur in any part of the lock, by simply removing the two screws that pass through the securing-
10 plate 7, the lock may be removed and the broken part replaced.

It will be observed that my invention is very simple in its construction, as well as cheap, it consists of few parts readily manu-
15 factured, formed, and assembled, and that I thereby produce a very efficient, strong and durable combined lock and holder, which will not only lock the window closed, but will hold the same at any elevation for ventilating or
20 other purposes.

Having described my invention, what I claim is—

1. A sash holder, comprising a V-shaped catch dog, and a plate loosely connected with
25 the catch dog and holding the same in an engaging position, said plate being spring actuated, substantially as described.

2. The herein described improved window-lock and holder combined, the same consist-

ing of the lock-plate adapted to be applied to 30 the window and provided adjacent to its upper end with a transverse slot, and the curved spring secured at its lower end to the lock-plate and at its upper end passing over the slot, and the catch-dog loosely connected with 35 the end of the spring and passing through a slot in the lock-plate, substantially as specified.

3. The herein described improved window-holder and lock combined, the same consist- 40 ing of the securing-plate having its opposite side edges provided with flanges, the curved spring located between the flanges, the regulating-screw passed through the securing-plate, an opening in the spring, and through 45 a nut arranged on the outer end of the screw and bearing on the spring, and the V-shaped catch-dog loosely mounted in a slot in the plate and at its outer end provided with a transverse slot engaging the end of the spring, 50 substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

THOMAS C. MARIS.

Witnesses:

EMMETT GILLESPIE,
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