(No Model.)

M. HAUSER.

FASTENER FOR SCREENS OR SASHES.

No. 528,327 Patented Oct. 30, 1894.

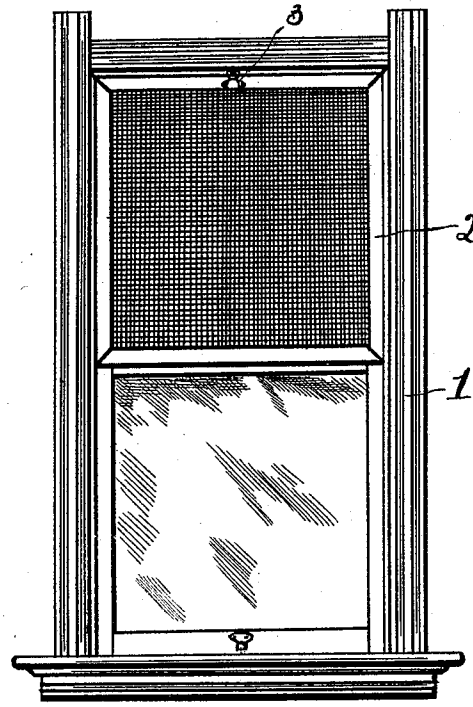

Fig. 1.

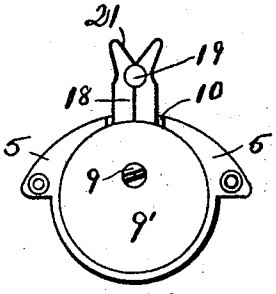

Fig. 4.

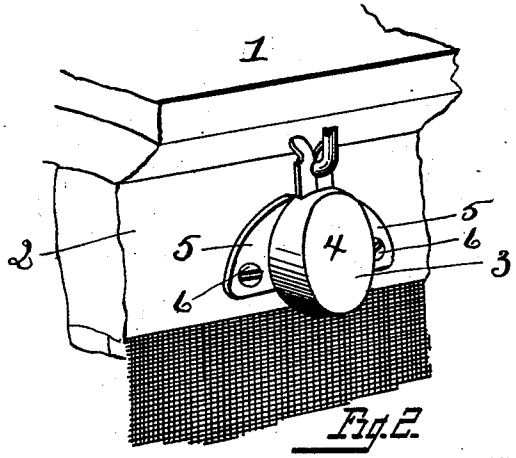

Fig. 2.

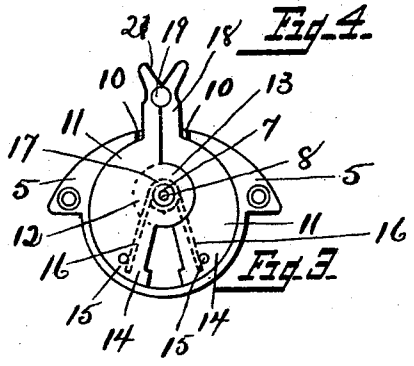

Fig. 3.

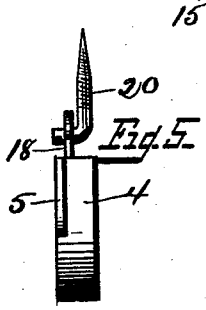

Fig. 5.

WITNESSES.

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UNITED STATES PATENT OFFICE.

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FASTENER FOR SCREENS OR SASHES.

SPECIFICATION forming part of Letters Patent No. 528,327, dated October 30, 1894.

Application filed November 10, 1893. Serial No. 490,509. (No model.)

To all whom it may concern:

Be it known that I, MARTIN HAUSER, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Catches for Screens or Sashes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 the letters of reference marked thereon, which form part of this specification.

My invention relates to a catch for screens and sashes, and has for its object to construct a catch whereby the sash may be positively held in vertical adjustment and at the same time be yieldingly assembled to allow of disengagement by a downward pull upon the sash.

The invention consists in the parts and combination of parts hereinafter described and pointed out in the claim.

In the drawings: Figure 1 is a front elevation of a window showing the screen raised and held in position by means of the catch. Fig. 2 is a perspective view of a section of window casing and screen showing the catch in engagement to suspend the screen. Fig. 3 is a rear elevation of the catch with the binding plate removed, showing the spring for actuating the catches in dotted lines. Fig. 4 is a like view showing the binding plate in position. Fig. 5 is an edge view of the catch shown in engagement with the hook.

The object to be obtained in the use of the catch is to permit of ready suspension of the sash, particularly of a screen. It is desired that it shall cover the space closed by the upper window sash when said sash is lowered, or allow of conveniently lowering the screen when the lower window sash is raised, the engagement and disengagement of the catch being automatic.

1 designates the window casing in which the screen sash 2 is vertically adjustable, and upon the upper end of which is secured the shell 3 of the catch.

Shell 3 comprises a circular cup shaped central portion 4, from which project oppositely disposed wings 5 perforated to receive screws 6 by which to secure the shell to the sash.

Central portion 4 is formed with an integral stud 7 which projects from the bottom thereof slightly more than half the depth of the shell and above the horizontal center, and is centrally perforated as at 8, with the perforation screw threaded, to receive a screw 9 to hold the parts assembled, as will be hereinafter described.

The shell is cut away radially as at 10, to allow the insertion and operation of two gripping levers 11 and of a depth to allow of the thickness of the levers being held upon the stud.

Levers 10 are each formed with a central portion 12, having a semi-circular enlargement 13, perforated to receive stud 7, and to economize in the thickness of the levers when assembled. The portions 12 are of one half the thickness of the levers, whereby when the levers are assembled pivotally upon the studs, the semicircular portion of one lever fits into the recess of the other. The lower ends 14 of each lever are formed with laterally projecting lugs 15, which engage with the ends 16 of a spring 17 coiled around stud 7, whereby the ends are separated normally to cause the upper ends 18 of the levers to be normally closed. The ends 18 are each formed with a semicircular recess 19 to receive a hook 20 secured in the top of the window casing, and to cause the levers to open when contacting with the hook the extreme ends 21 are outwardly inclined vertically.

In operation when the screen or sash is raised, the inclined ends of the levers strike hook 20, and open against the pressure of the spring until the hook is seated in the recesses 19, when the outward pressure of the spring upon lugs 15 holds the catch in sufficiently close engagement with the hook to suspend the screen or sash and also yield to allow the catch to open when a sudden down-pull is made upon the screen or sash to release the catch from the hook, and allow the same to be lowered.

In Fig. 4 the levers are shown as held pivotally upon the stud by means of a binding plate 9′, through which screw 9 passes and into the stud, but I may dispense with plate 9′ if desired, and simply employ a flat headed screw 9 if desired.

It will be seen by reference to Figs. 3 and

4 more particularly that the wings 5 extend outwardly from the upper half of the shell. This construction is preferred as it obviates the necessity of cutting away the usual bead or molding of the sash in adjusting the shell to the same.

What I claim is—

A catch for screens and sashes comprising a cup shaped open bottomed plate having a central stud, two catch arms journaled upon the stud, each formed with a body portion to fit within the plate, and oppositely disposed arms, one of which has an outwardly inclined upper end and a semi-circular recess, and the other a projecting stud, a spring coiled upon the central stud with its ends bearing against the projecting studs of the arms, flanges upon the plate by which to secure the same to the sash, and a hook for engagement with the window frame, and in the recesses of the arms.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

MARTIN HAUSER.

Witnesses:
WILLIAM WEBSTER,
CARROLL J. WEBSTER.