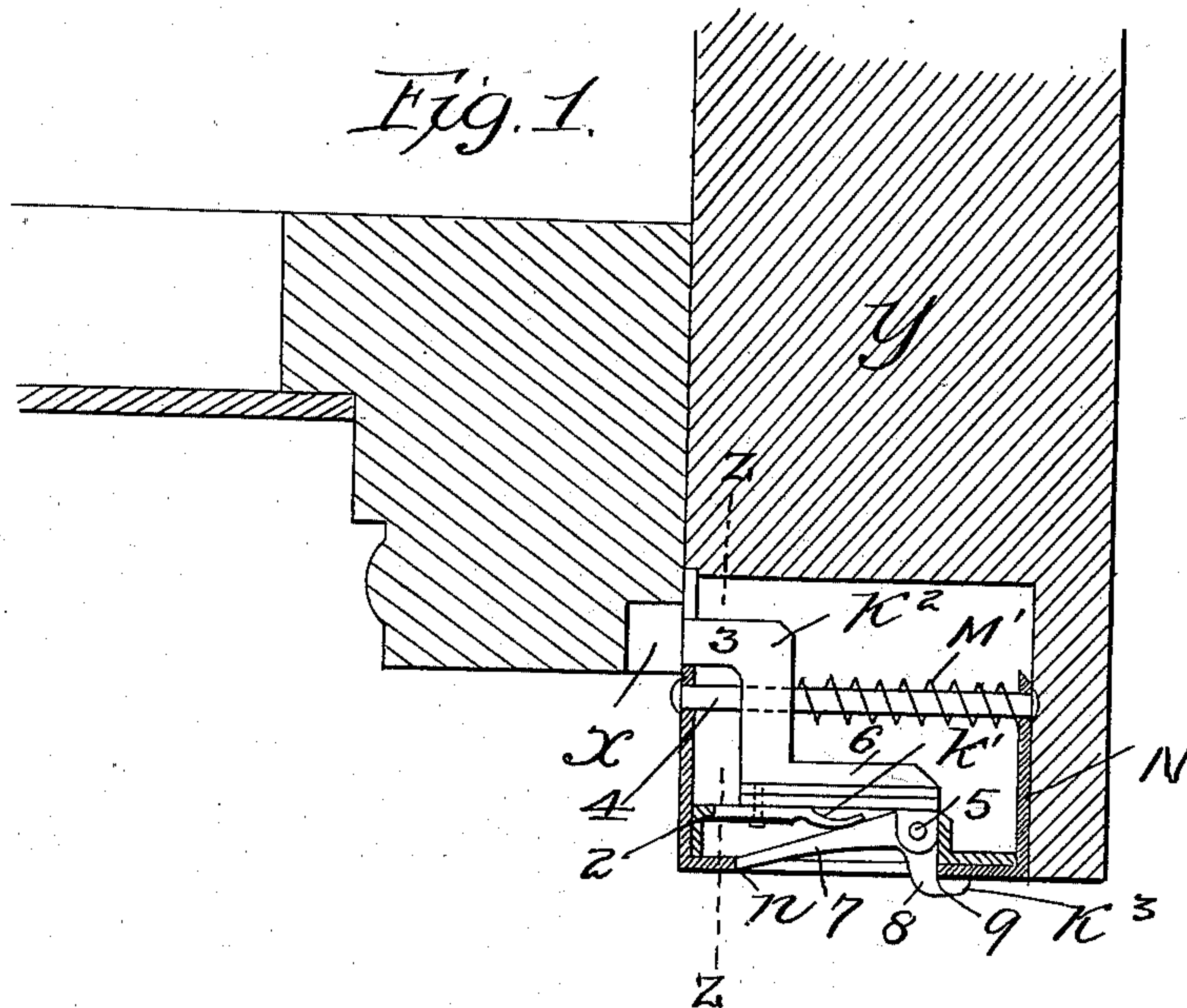


(No Model.)

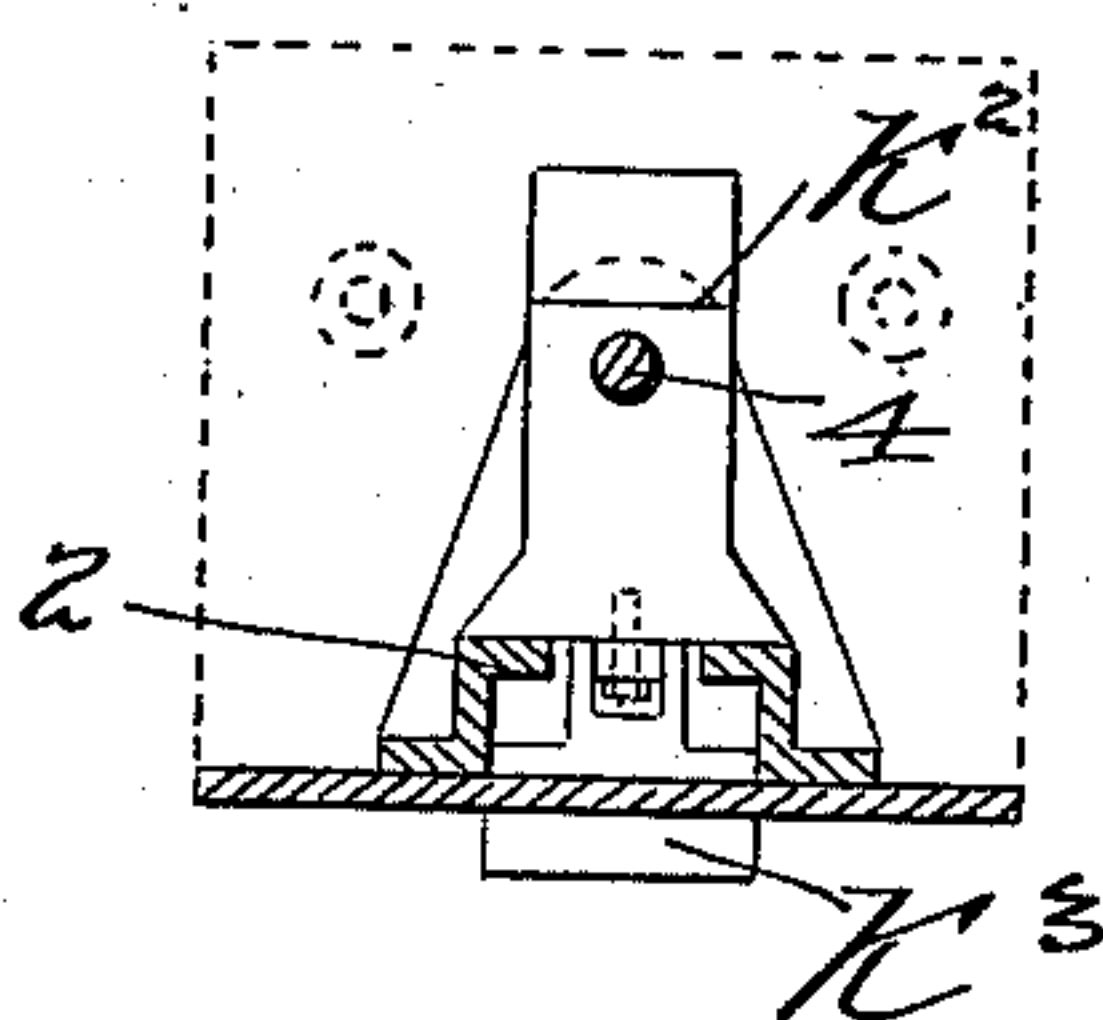
F. PHELPS & P. DAW.  
SASH FASTENER.

No. 560,817.

Patented May 26, 1896.



*Fig. 2.*



Attest  
F. L. Middleton  
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Inventors  
Frank Phelps  
Philip Daw  
by Richards & Co  
Attys. Co

# UNITED STATES PATENT OFFICE.

FRANK PHELPS AND PHILIP DAW, OF BIRMINGHAM, ENGLAND.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 560,817, dated May 26, 1896.

Application filed March 6, 1895. Serial No. 540,687. (No model.) Patented in England July 19, 1893, No. 13,973.

*To all whom it may concern:*

Be it known that we, FRANK PHELPS, secretary of The Simplex Window Fittings Company, Limited, and PHILIP DAW, citizens of Great Britain, residing at 63 Temple Row, in the city of Birmingham, county of Warwick, England, have invented certain new and useful Improvements in the Construction of Windows and the Fittings and Fastenings for the Same, (for part of which a patent has been granted in Great Britain, No. 13,973, dated July 19, 1893,) of which the following is a specification.

It is the object of our invention to provide a sash-holder adapted to retain the sash in any position to which it may have been lifted.

In the drawings, Figure 1 is a view of a horizontal section through a part of the sash and frame with the fastener in place. Fig. 2 is a detail sectional view of Fig. 1 on line *z z* thereof.

The bolt  $K^2$  is arranged to slide on the ways 2 in the casing N, which latter is secured in a recess in the window-frame Y, and the bolt is of bent form, its arm 3 being arranged to project through the casing to engage holes in the sash-frame or in a plate at X, carried by said sash. The bolt is normally pressed outward by a spring M', surrounding a bar 4, which helps to guide the bolt passing through the same.

It is our special object to provide means whereby the bolt may be retracted readily, said means also acting to automatically retain the bolt in retracted position. The finger-piece  $K^3$  serves this purpose, it being in the form of a bell-crank lever pivoted to ears 5, carried by the base part 6 of the bolt, said base portion also carrying a leaf-spring K' to press the arm 7 of the finger-lever outward to engage the edge *n* of the opening in the casing, through which the arm 8 of the finger-le-

ver projects. In the position of the parts shown the bolt is held retracted by the arm 7 of the finger-lever engaging the edge *n*. The finger-piece is thrown into this position both by the pressure of the finger exerted on the arm 8 in retracting the bolt and also by the leaf-spring K', and the spur 9 on the arm 8 limits the movement of the finger-lever, so that its arm 7 will be stopped accurately in line with the edge *n*. The operator has merely to press back the arm 8 of the finger-piece and this retracts the bolt and also throws the catch-arm into the position shown when it arrives opposite the opening and it is held out by the spring.

In order to release the fastener, the operator merely presses in the arm 7 of the finger-piece against the pressure of the spring K', and the spring M' will then force the bolt out to engage the sash when the bolt comes opposite one of the openings in the sash.

We claim—

In combination with the window-frame and sash sliding therein, the casing secured in the frame, the rod within the casing, the locking-bolt guided on the rod and having an angular extension on each side of said rod, one arranged to engage the sash, a finger-piece pivoted to the other angular extension of the bolt and extending through a slot in the casing, an arm extending from said finger-piece arranged to engage the edge of the slot to hold the bolt retracted and a spiral spring encircling the rod and bearing against the bolt, substantially as described.

In witness whereof we have hereunto set our hands in presence of two witnesses.

FRANK PHELPS.  
PHILIP DAW.

Witnesses:

EDWARD MARKS,  
HERBERT BOWKETT.