

(No Model.)

E. KEMPSHALL.
WINDOW AND DOOR BUTTON.

No. 294,474.

Patented Mar. 4, 1884.

Fig. 1.

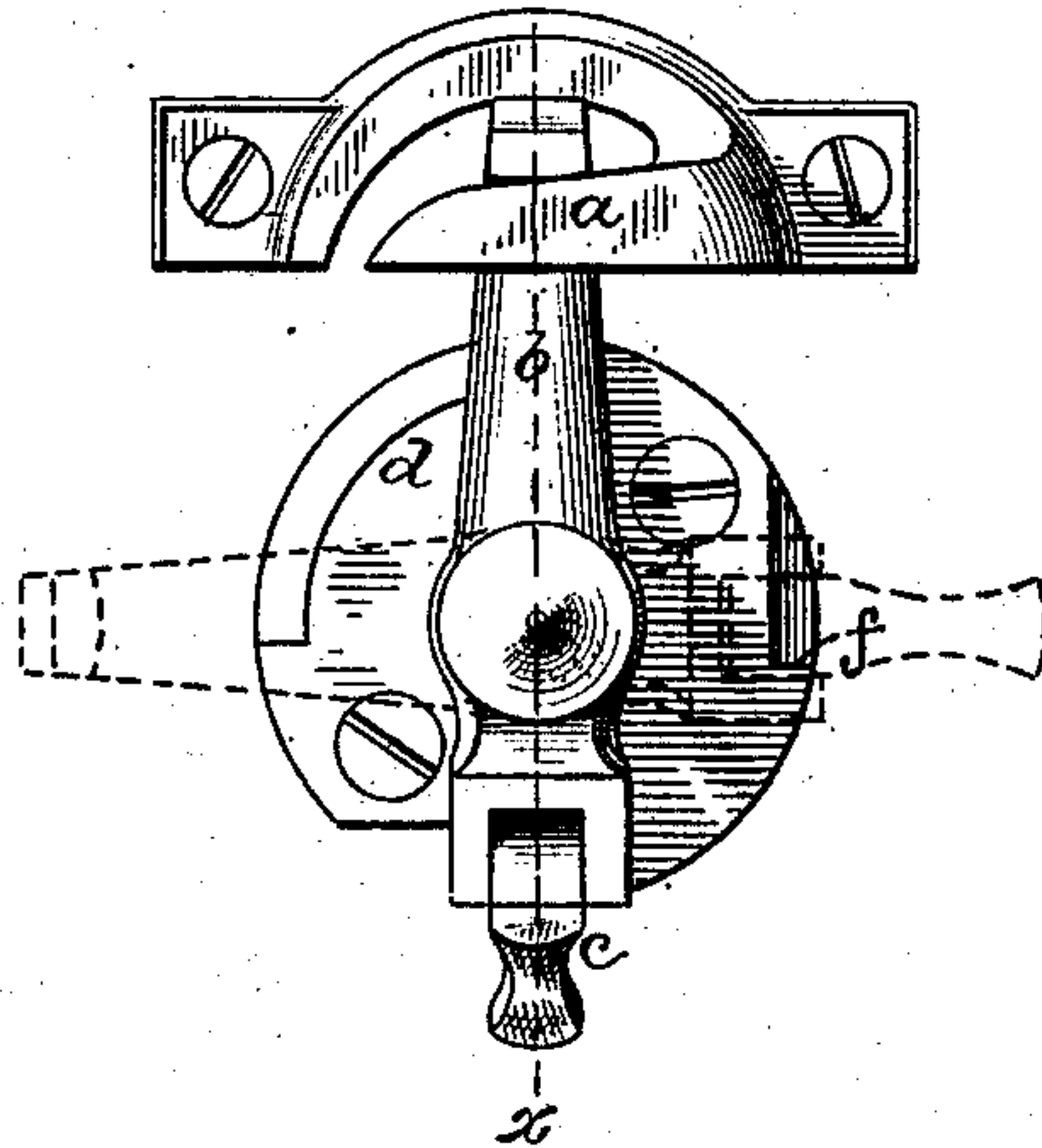


Fig. 2.

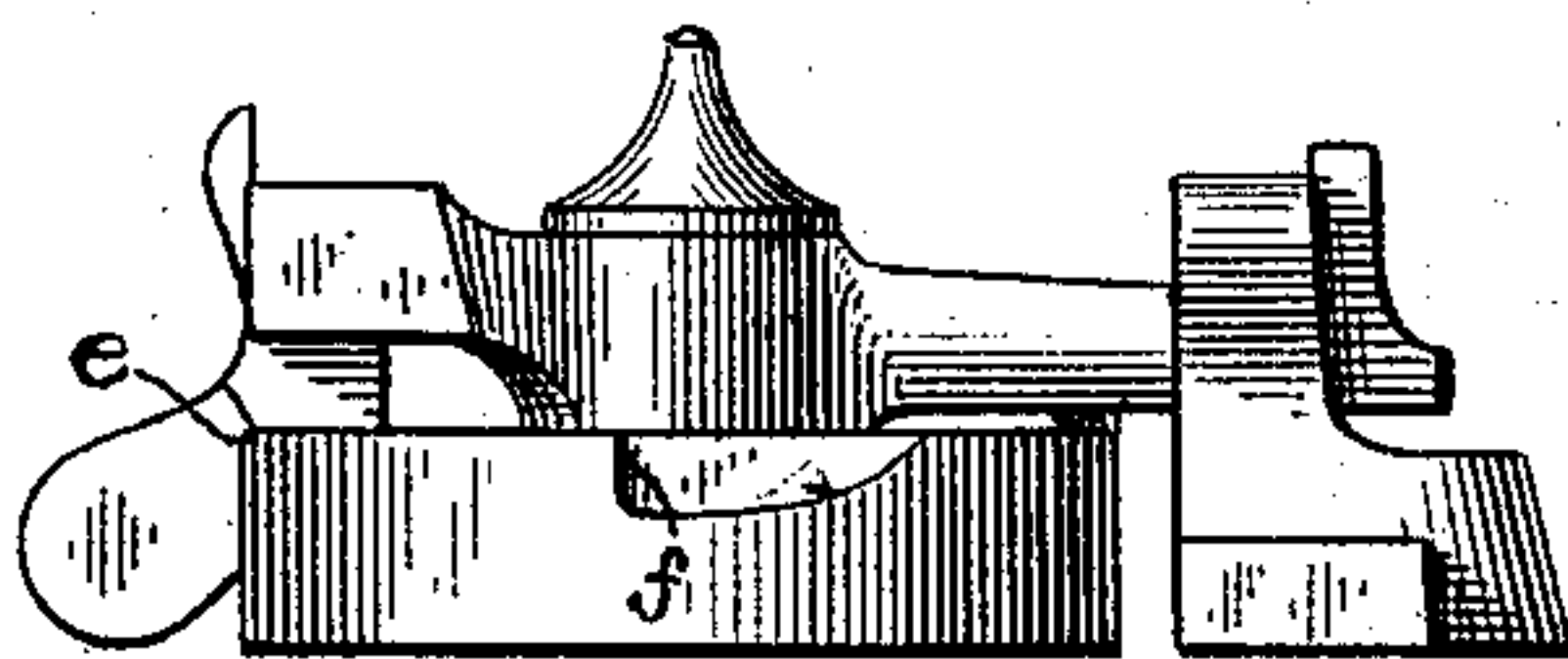
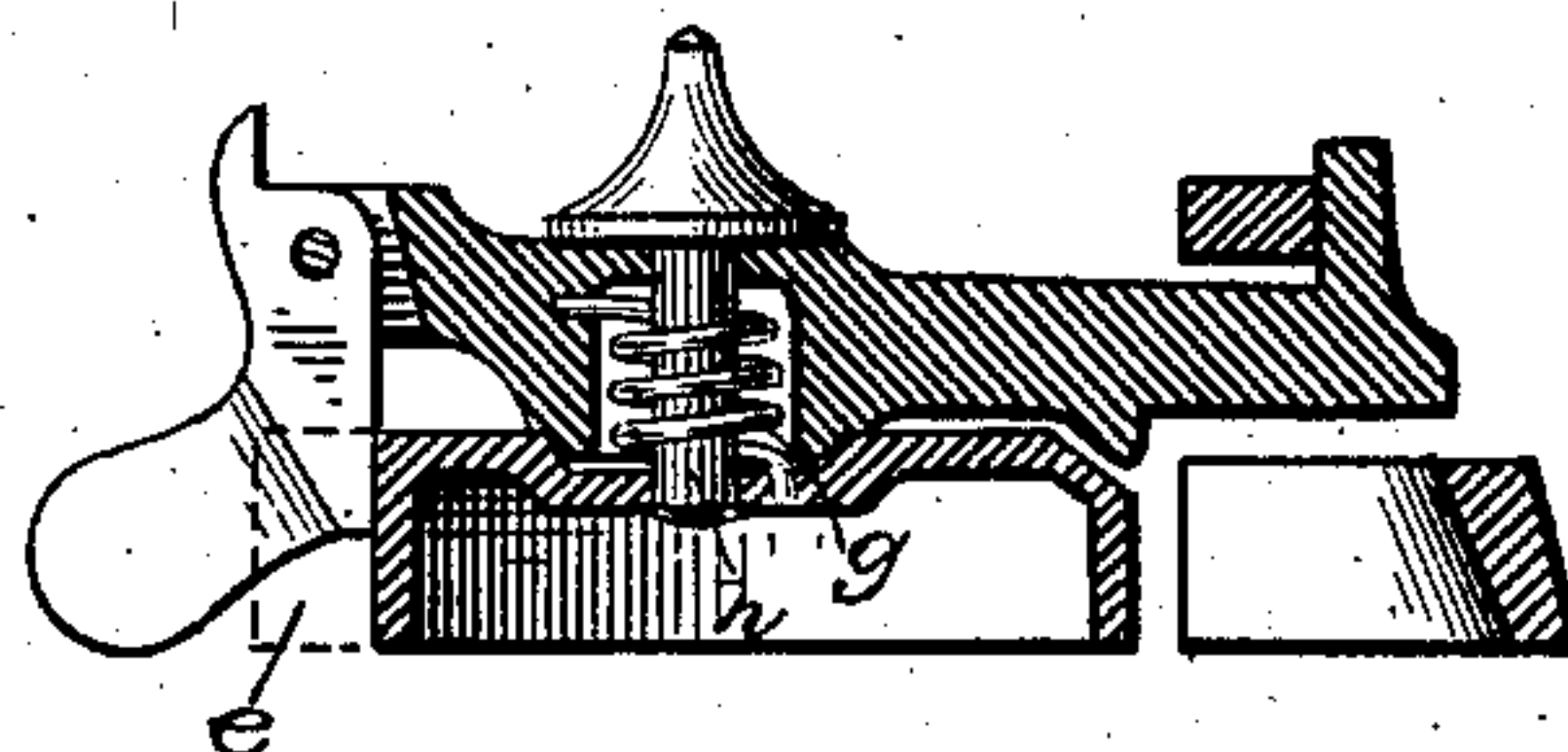


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

ELEAZER KEMPSHALL, OF NEW BRITAIN, CONNECTICUT.

WINDOW AND DOOR BUTTON.

SPECIFICATION forming part of Letters Patent No. 294,474, dated March 4, 1884.

Application filed January 15, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELEAZER KEMPSHALL, of New Britain, in the county of Hartford and State of Connecticut, have invented a certain
5 new and useful Improvement in Sash-Fasteners; and I do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part of the same, is a clear, true, and complete description
10 of my invention.

My said improvement relates exclusively to that class of sash-fasteners which embody a pivoted "sweep" for engaging with a keeper, and on the rear end of said sweep a pivoted
15 gravity-latch operating in a vertical plane, so that by its own weight it will drop and engage laterally with either of two suitable shoulders on the bed-plate, on which the sweep is mounted, for holding it in either its locked or un-
20 locked position.

The object of my improvement is to so control the gravity-latch that when the sweep is in its locked position it will be practically impossible for said latch to be so jolted out of its
25 proper position that the sweep can be thrown around and unlocked, as by the use of a knife-blade applied in a manner well known. I accomplish this end by employing, for the first time, with the sweep, in a fastener of this class,
30 a spring which so exerts its force as to throw said sweep from its locked to its unlocked position, and therefore, when it is in its locked position, the gravity-latch, by the power of the spring, is held laterally against its shoulder
35 so firmly that it cannot be jolted or thrown from its proper position. In other classes of sash-fasteners pivoted sweeps have been provided with springs which throw them from their locked to their unlocked positions; but
40 they have always heretofore been employed either with rotating-spindle spring-latches or spring-latches which longitudinally reciprocate, and therefore in those fasteners the sweep-springs in no manner modify or affect the operation of said catches, whereas in my improved fastener said sweep-spring performs
45 its usual and well-known functions, and, in addition thereto, it contributes, for the first time, to the security of the fastener by controlling the gravity-latch.

To more particularly describe my invention, I will refer to the accompanying drawings, in which Figure 1 is a plan view of one of my improved sash-fasteners. Fig. 2 is a side elevation of the same. Fig. 3 is a central vertical
55 section of the working portions of the fastener on line *x*, Fig. 1.

The keeper-plate *a*, pivoted sweep *b*, and gravity-latch *c* are all substantially as heretofore, and they may each be largely varied in
60 construction without departure from my invention. The shouldered front plate, *d*, has the usual vertical side notch or shoulder, *e*, with which the gravity-latch engages laterally for holding the sweep in its locked position,
65 as when in engagement with its keeper-plate, and the similar notch or shoulder, *f*, usually provided in fasteners of this class may also be employed in my fastener, although it performs no very important service, inasmuch as the
70 sweep is maintained in its unlocked position, as indicated in dotted lines in Fig. 1, by reason of the spiral spring *g*, which encircles the pivot *h* of the sweep, and is under sufficient
75 tension to prevent said sweep from swinging toward the keeper, except when specially manipulated for that purpose. As hereinbefore stated, said sweep-spring in my fastener not only performs the old and well-known
80 service of throwing the sweep away from the keeper when permitted so to do, but it also performs the novel service of forcing the gravity-latch sidewise into firm and reliable contact with the shoulder *e* whenever the sweep occupies its locked position, and therefore a
85 blow—as with the hand or a cushioned hammer—delivered against the outer surface of a sash on which said fastener has been applied cannot jolt or throw said latch from its proper engagement with said shoulder. The gravity-
90 latch, being thus firmly confined, renders it practically impossible for the sweep to be thrown away from the keeper, except said latch be specially manipulated, whereas if
95 said sweep-spring be removed the sweep, if on a fastener in service, can be quite readily thrown from its keeper by means of a thin blade inserted between the sash-lips, if the
100 sash be so struck as to jolt the then uncontrolled gravity-latch away from its shoulder.

Having thus described my invention, I claim
as new and desire to secure by Letters Patent—

The combination of the notched or should-
ered plate, the sweep pivoted on said plate
5 and provided with a gravity-latch, and the
sweep-spring, substantially as described,
whereby the gravity-latch is firmly held

against its shoulder when said sweep occupies
its locked position.

ELEAZER KEMPSHALL.

Witnesses:

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JOHN P. BARTLETT.