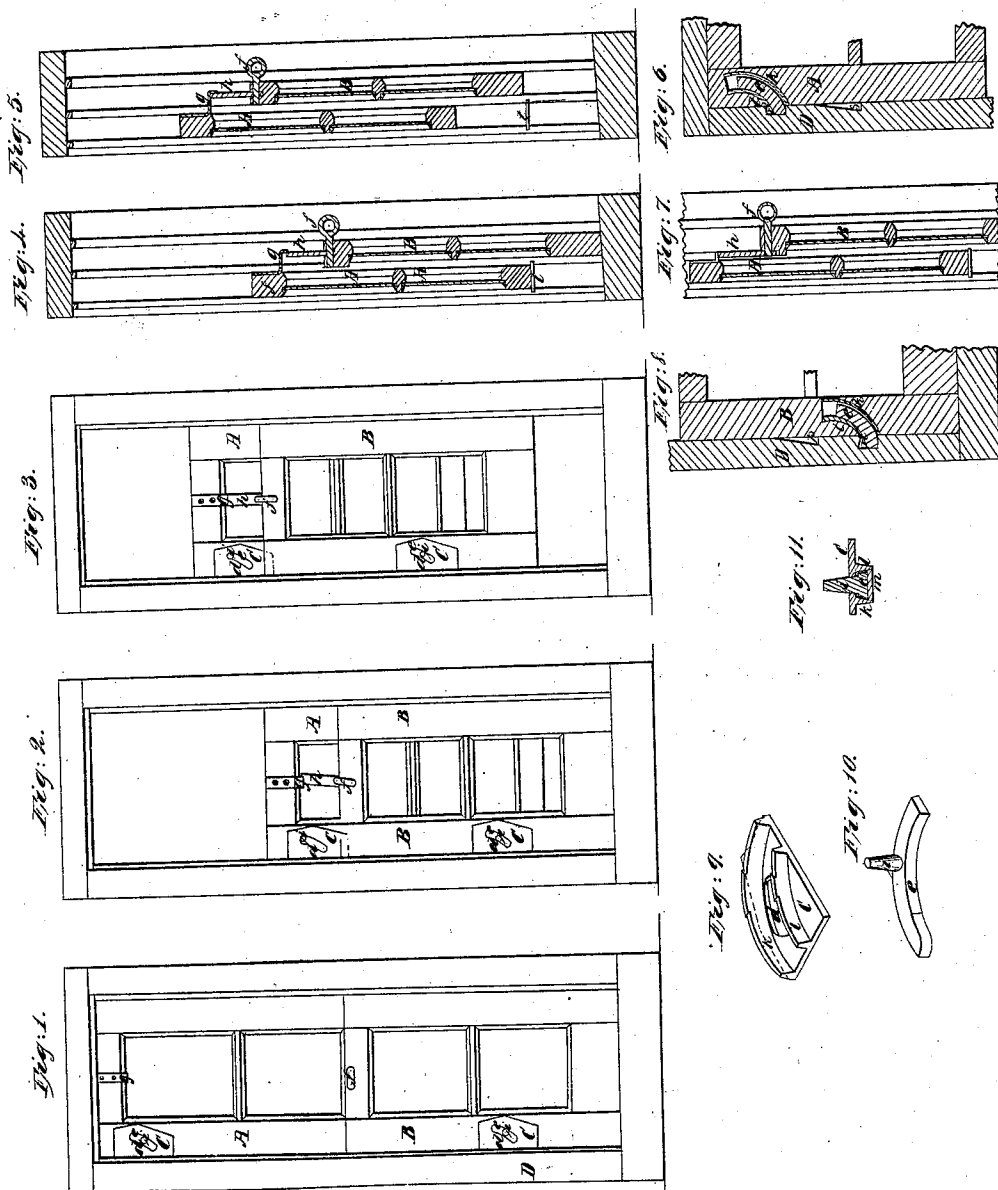


E. G. Connelly,
Sash Fastener.

N^o 10,541.

Patented Feb. 21, 1854.



UNITED STATES PATENT OFFICE.

E. G. CONNELLY, OF INDIANAPOLIS, INDIANA.

CURVED SASH-BOLT.

Specification of Letters Patent No. 10,541, dated February 21, 1854.

To all whom it may concern:

Be it known that I, E. G. CONNELLY, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Window-Sash Stoppers and Fasteners; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

Figures 1, 2, and 3, are side elevations of a window, representing the upper and lower sash in different positions; Figs. 4 and 5, are vertical sections representing the sash in the same positions, as those shown in Figs. 2 and 3; Figs. 6 and 8 are sections, representing the operation of the catches upon the upper and lower sash; Figs. 9, 10, and 11 represent the catching and fastening apparatus, detached from the sash.

The first feature of my invention consists in giving the catch *e*, the form of an annular segment or the segment of ninety degrees of a circle and placing the same in a metallic case of the same or like form. Said metallic case is placed in the stile of the sash A or B, (shown in Figs. 1, 2 and 3), by forming a groove in said stile A or B, of sufficient size to admit said metallic case or box, in such a manner, that it is firmly secured by the sides and bottom of said groove, so formed. The plate C (shown in Figs. 1, 2 and 3, forming a part of said casing or box, for the catch-bolt, *e*) is also secured, by means of two screws passing through said plate C into the sash stile A or B, forming a plane surface with the said stile. The catch or bolt *e* is firmly secured in said metallic case or box, in such a manner, that the expansion of the wood, cannot retard or obstruct said self-acting catch or bolt, *e*, as it inserts itself into the recesses *n* and *r* (formed in the window casing or frame D, shown in Figs. 6 and 8) by its own gravitation, (not partaking of a lever, (which are used in constructing fastenings for window sash) having no fulcrum,) and securing the sash at any desired height.

The casing for the catch *e*, is composed of

the plate C, and the flanches *k*, *l*, projecting from its rear side, which form a channel for the catch to play in. The handle *i*, projecting from the catch *e*, by which it is operated, plays through the curved slot *d*, shown in Fig. 9. The cover or plate M (shown in Fig. 11) is designed to fit, or be fitted, on top, and a portion of it between the flanges *k*, *l*, (shown in Figs. 9 and 11) inclosing the catch or bolt *e*, forming a perfect case or box.

The catch or bolts *e*, are shown in Figs. 6 and 8 as having passed into the recesses *n*, and *r*. The said recesses or notches, can be formed in any desired position, in the window casing or frame D, (shown in Figs. 6 and 8.)

The second feature of my invention, consists in the extreme simplicity, durability, and cheapness, of my, or said, sash fastening or lock; being suitable to any sash, and not liable to get out of order.

Having fully described the nature of my invention, therefore what I claim as new, and desire to secure by Letters Patent; is—

1. The combination of the gravitating catch or bolt (*e*) with the metallic case or box; giving said catch (*e*) the form of an annular segment, or the segment of ninety degrees of a circle, combined with said metallic case of similar form; constructed and applied in such a manner, that the expansion of the wood cannot retard or obstruct said catch or bolt (*e*) as it inserts itself into the recesses or notches in the frame D.

2. I do not claim the recesses or the material, of the metallic case, or the catch *e*; but the construction, formation, and application, of said metallic case, and catch (*e*) substantially in the manner and for the purpose herein described and set forth.

The above specification of my new and useful improvement in operating and fastening window sash signed this 31st day of May 1853.

E. G. CONNELLY.

Witnesses:

J. S. BROWN,

GEO. A. C. SMITH.