No. 637,907. Patented Nov. 28, 1899.

F. VOIGTMANN & S. H. POMEROY.

FIREPROOF WINDOW.

(No Model.) (Application filed May 15, 1899.)

Fig. 1.

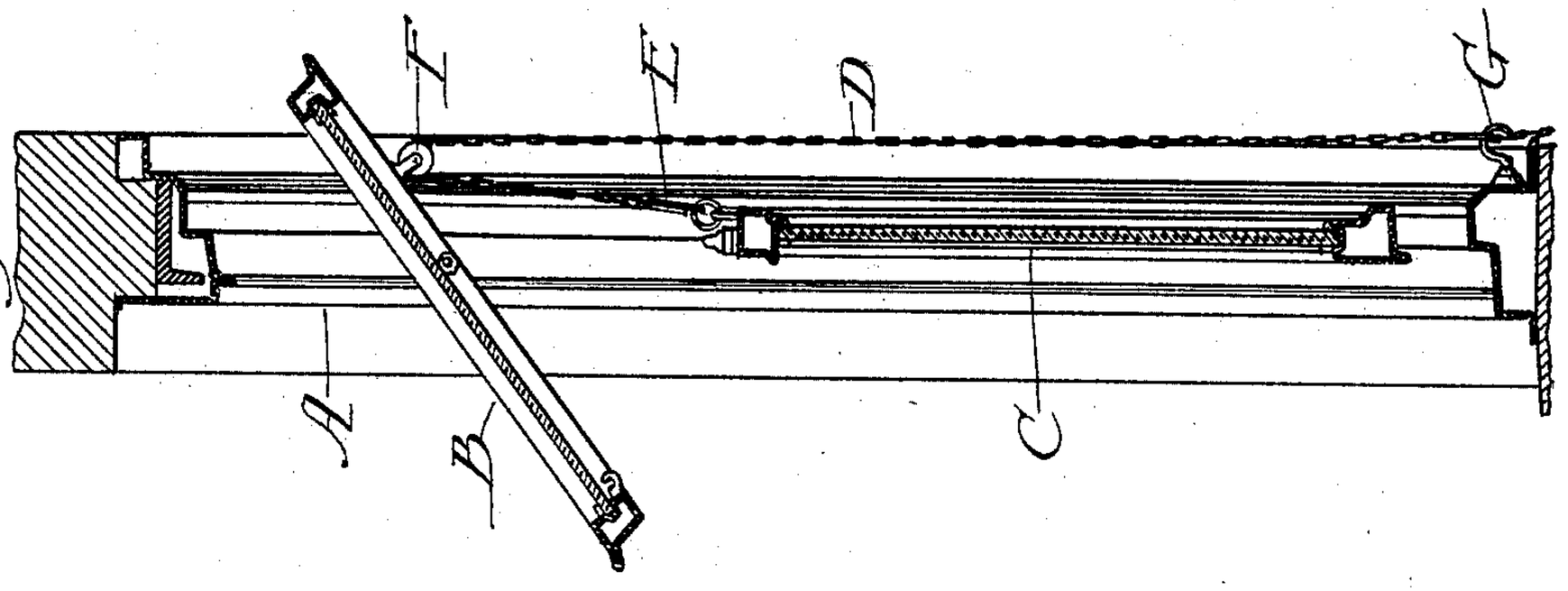
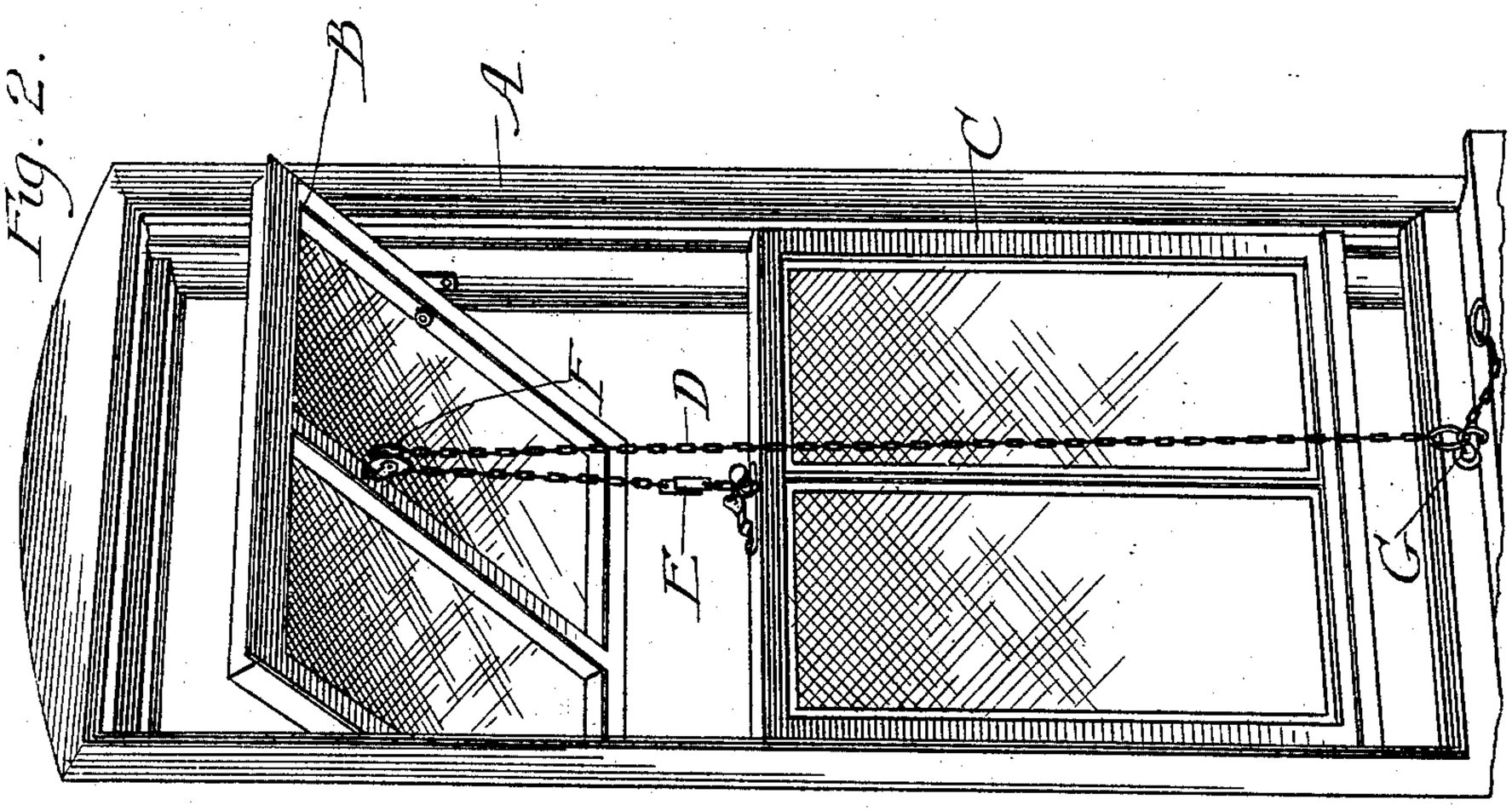


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANK VOIGTMANN AND SILAS H. POMEROY, OF CHICAGO, ILLINOIS.

FIREPROOF WINDOW.

SPECIFICATION forming part of Letters Patent No. 637,907, dated November 28, 1899.

Application filed May 15, 1899. Serial No. 716,872. (No model.)

To all whom it may concern:

Be it known that we, FRANK VOIGTMANN and SILAS H. POMEROY, citizens of the United States, residing at Chicago, Cook county, Illinois, have invented a new and useful Improvement in Fireproof Windows, of which the following is a specification.

The object of our invention is to provide a fireproof window, preferably constructed of sheet metal or other indestructible material, both sash of which may be opened and held open under normal conditions, but which will close automatically when struck by the heat of a fire.

In the Letters Patent to Voigtmann, No. 600,186, dated March 8, 1898, is shown an automatic-closing upper sash. Our present invention aims to improve upon that invention by applying the automatic-closing feature to both upper and lower sash.

It consists of details hereinafter described, and particularly pointed out in the claims.

Figure 1 is a sectional view of our window. Figure 2 is a perspective view of the same.

A represents the casing; B, the upper sash; C, the lower sash; D, the retaining-chain; E, the fusible link; F, the pulley the chain passes over; G, the hook, by which the chain is held.

The upper sash B is the usual form of transom-sash and swings at about its middle point, but with a slight predominance of weight in the lower side in order to cause it to close of its own weight when released.

The lower sash C slides up and down in the casing in the manner usual with a sliding window, only it is not balanced by weights, but will drop when released.

The chain D is attached at one end to the upper rail of C and passes over the pulley F and down to the hook G.

The pulley F is placed upon B at a point above the point of suspension, so that by pulling upon it the window is swung open until it strikes an abutment or lug upon the casing. Then by drawing upon the chain further the lower sash C is drawn up, as shown in the drawings, and can be held there by hooking the chain upon the hook G.

At any suitable point in the chain D a fusible link E is inserted. It is preferably located near the meeting-rails of the two sash, where it will be most exposed in case of fire. In case of fire striking the window either from within or without this link will be immediately fused, and the two sash released will close of their own weight.

What we claim, and desire to secure by Letters Patent, is—

1. In a fireproof window, the herein-described automatically-closing sash, consisting of an upper and a lower sash, adapted to close when released, a single destructible retaining device attached to both by which they are held open and located in the exposed portion of said window; all substantially as shown and described.

2. In a fireproof window, the herein-described automatically-closing sash, consisting of an upper transom-sash and a lower sliding sash, both adapted to close when released, and a single destructible retaining device located in an exposed portion of said window by which they are held open; all substantially as shown and described.

3. In a fireproof window, the herein-described automatically-closing sash, consisting of an upper transom-sash B, a lower sliding sash C, a pulley F located upon B, a destructible chain or cord D, one end of which is attached to said sash C, and which passes over said pulley F, and the other end of which is attached to a fixed point G; all substantially as shown and described.

4. In a fireproof window, the herein-described automatically-closing sash, consisting of the upper transom-sash B, having the pulley F thereon, the lower sliding sash C, the chain D, having the fusible link E therein, located at or near the meeting-rail of the sash, said chain being attached, one end to said lower sash, and passing over said pulley F, and the other end attached to the hook G; all substantially as shown and described.

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