

(Model.)

W. P. HAYHURST.

SASH FASTENER.

No. 262,038.

Patented Aug. 1, 1882.

Fig. 1

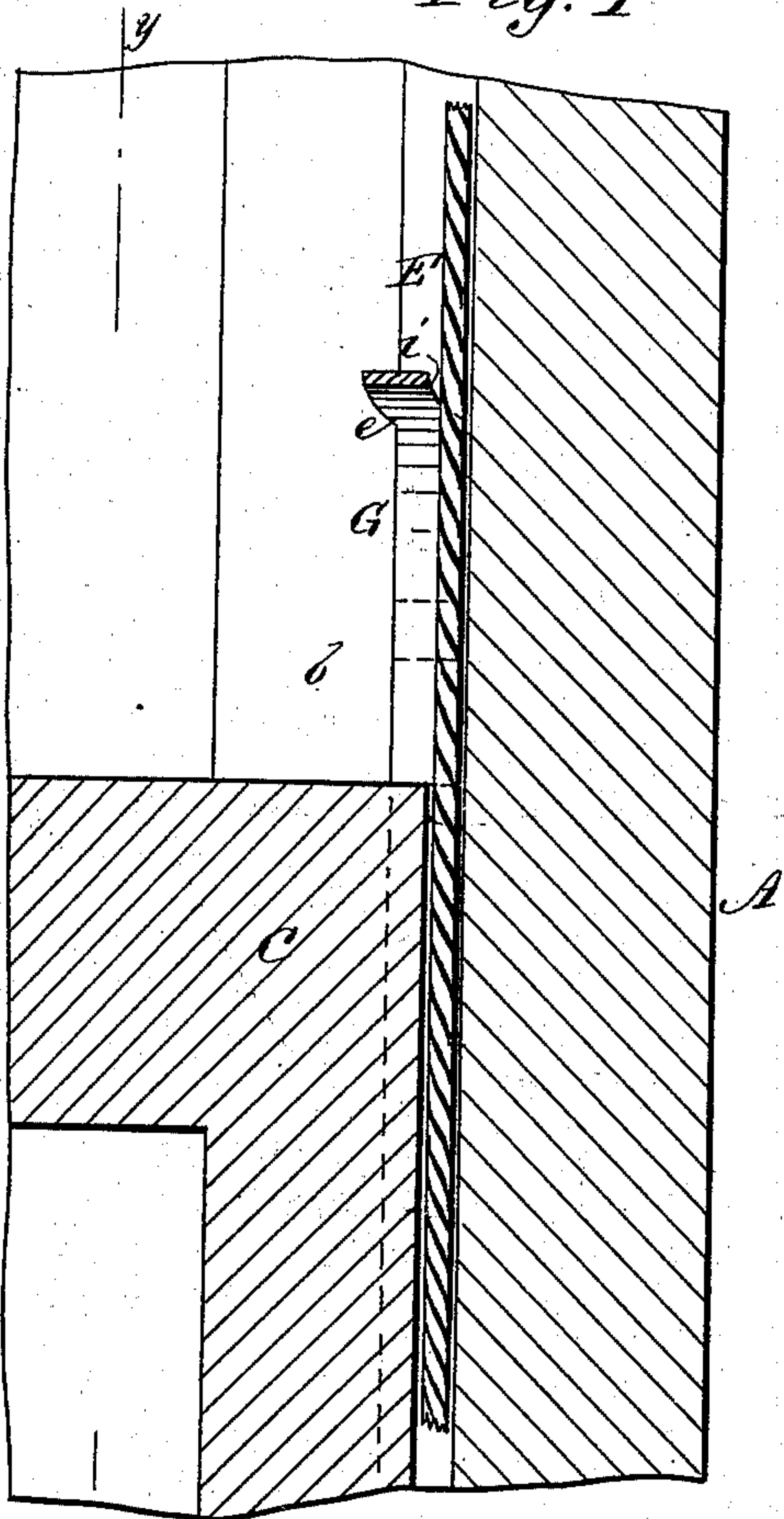


Fig. 2

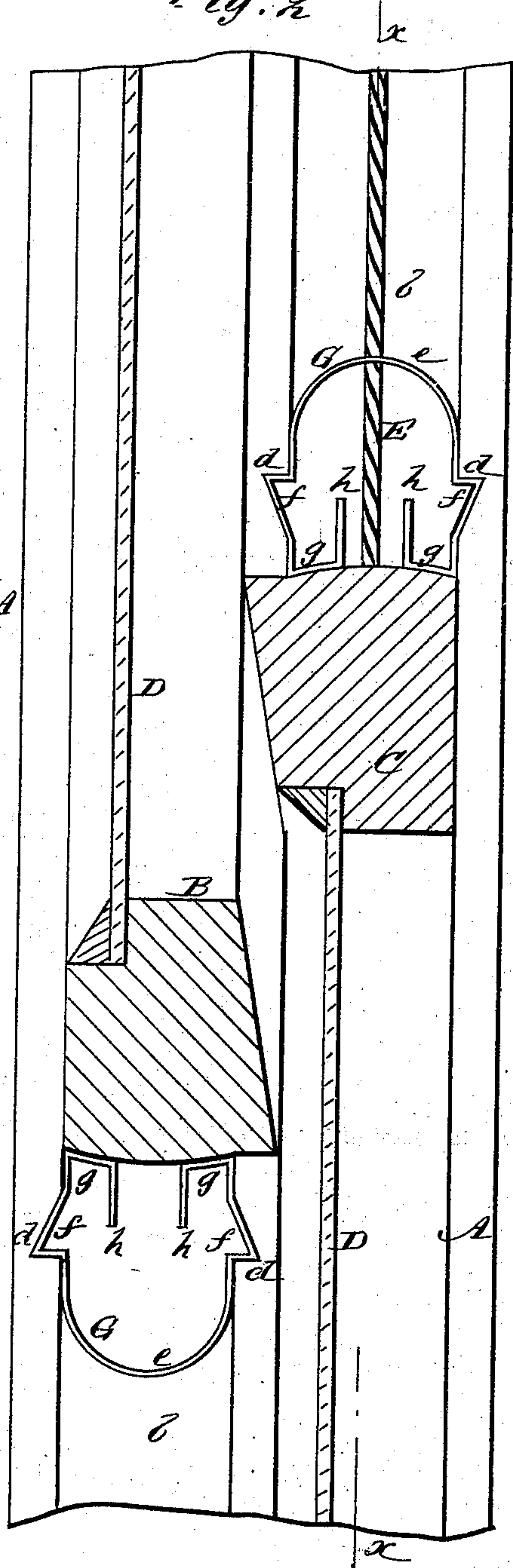
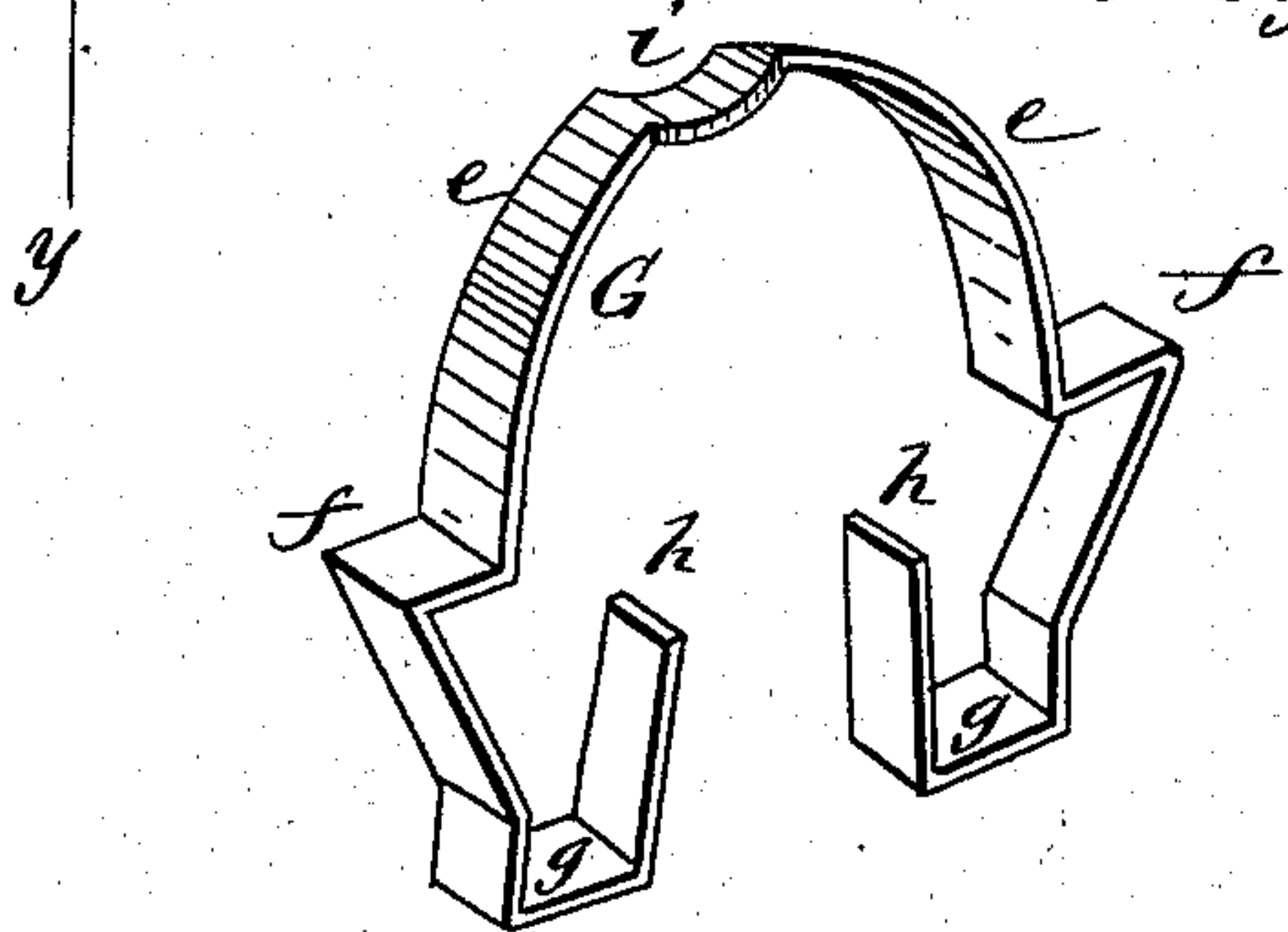


Fig. 3



WITNESSES:

C. A. Venable
C. Sedgwick

INVENTOR:

W. P. Hayhurst
BY *Mum & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM P. HAYHURST, OF ARGENTINE, KANSAS.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 262,038, dated August 1, 1882.

Application filed June 27, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM P. HAYHURST, of Argentine, in the county of Wyandotte and State of Kansas, have invented a new and useful Improvement in Window-Fasteners and Sash-Supporters, of which the following is a full, clear, and exact description.

This invention is applicable to window-frames which are fitted with one or more sliding sashes; and it consists in a simple detachable spring device of novel construction for securing either window-sash when closed and for supporting it when open, substantially as hereinafter described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a sectional elevation on the line *xx* in Fig. 2 of a window-frame in part having upper and lower sliding sashes and with my improved device applied as a fastener of the lower sash. Fig. 2 is a vertical section in a plane at right angles to Fig. 1 on the line *yy* therein, showing two of said improved devices—the one applied as a fastener of the lower sash and the other as a supporter of the upper one. Fig. 3 is a view in perspective of said improved device detached.

A indicates one of the side pieces of a window-frame having parallel grooves *b b*, in which an upper sash, B, and lower sash, C, are fitted to slide, as usual. D D represent the glasses of the sashes, and E a balance-weight rope, attached to the lower sash. Said frame A has any number of suitably-shaped and oppositely-arranged notches, *d d*, cut in it on opposite sides of either groove *b* for my improved window-fastener and sash-supporter G to engage with. This device G, which is here shown as applied to fastening the lower sash, C, and a similar one, as used for supporting the upper sash, B, consists of a thin piece of sheet brass or steel of spring temper bent to form a bow, *e*, of about or nearly the same width as either groove *b*, so as to fit into the space in the window-frame over or beneath either sash accordingly as said device is required to be used as a fastener or supporter. Such bow portion *e* terminates at its ends in opposite locking-wings or spread-out tooth-like portions *ff*, that, when the device is in its place, engage with the notches *d d* in the win-

dow-frame, and these portions *ff* are also extended and bent to form rounded or hollow feet *g g*, which rest against the sash-rails and terminate in lips or finger-pieces *h h*, that project toward the interior of the bow. The object of rounding the portions *g g* is to spread the spring and thereby firmly set it. The bowed portion *e* of this device or spring G may be crooked and notched laterally, as at *i*, so that when said device is to be used on windows having sash-weights the window-cord E may pass through or within it.

From the description given it will readily be observed that the detachable spring bowed window-fastener and sash-supporter G only requires to be inverted to adapt it to either of its uses as a fastener or supporter, and that it has the merit of extreme simplicity and cheapness, combined with the facility of adjustment and freedom from all liability of breakage. When inserting it in the window-frame, or when removing it therefrom, it is only necessary to temporarily contract the spring or device by pressing with the finger and thumb upon the finger-pieces *h h* to bring them together.

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

1. The spring-bowed window-fastener and sash-supporter G, constructed with locking-wings *ff*, substantially as specified.

2. The detachable spring bowed window-fastener and sash-supporter G, constructed with the locking-wings *ff*, in combination with the window-frame A, having notches *d d* for engagement of said wings with said frame, essentially as described.

3. A detachable and reversible spring window-fastener and sash-supporter constructed with a bowed portion, *e*, terminating in outwardly-bent locking-wings *ff*, feet *g g*, and finger-pieces *h h*, substantially as shown and described.

4. The spring bowed window-fastener and sash-supporter G, having locking-wings *ff* and constructed with a notched crooked portion, *i*, for passage of the sash-weight cord through or within it, essentially as specified.

WILLIAM P. HAYHURST.

Witnesses:

J. N. TILEMANN,
GUST. SCHWAN.