

(No Model.)

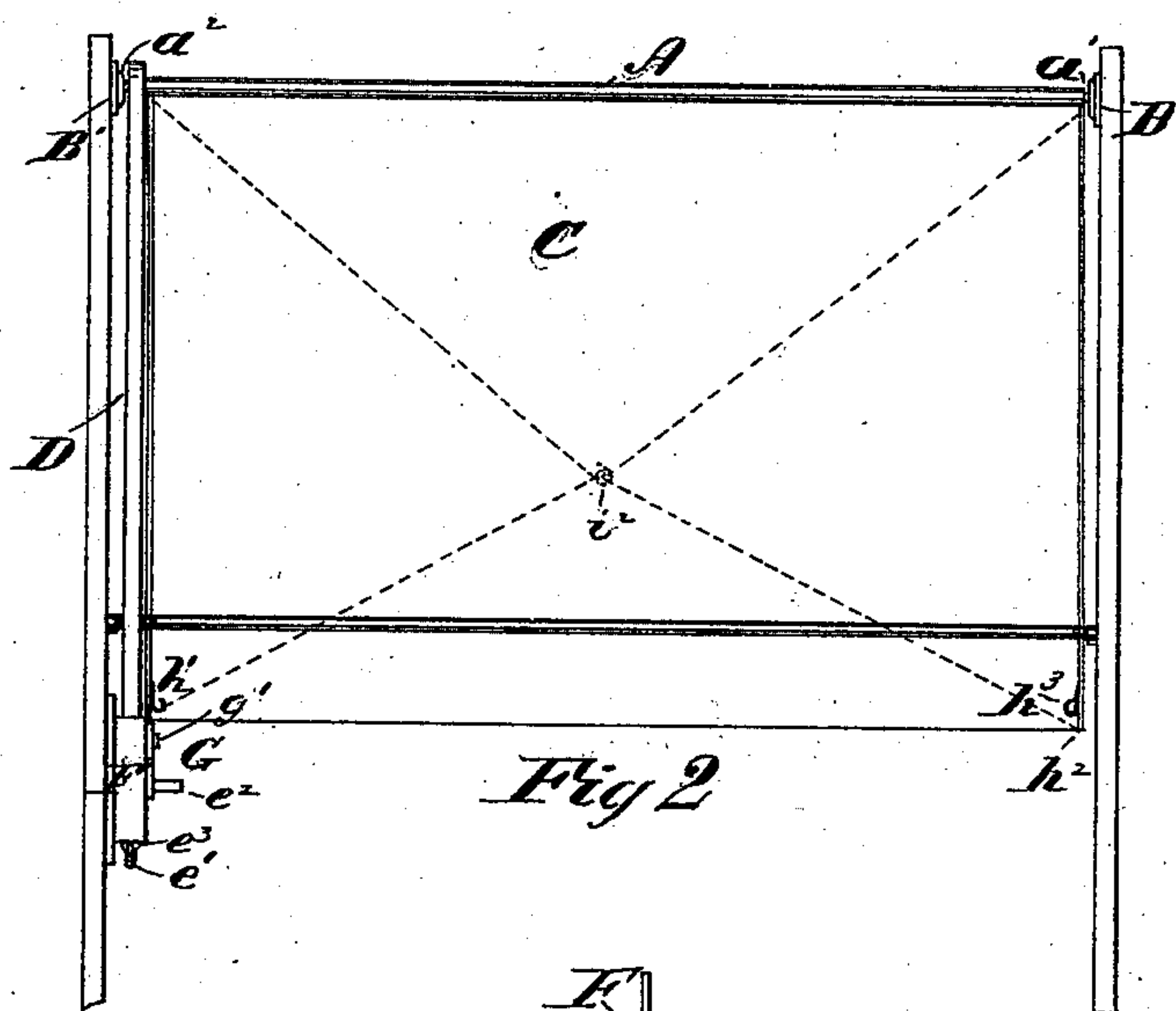
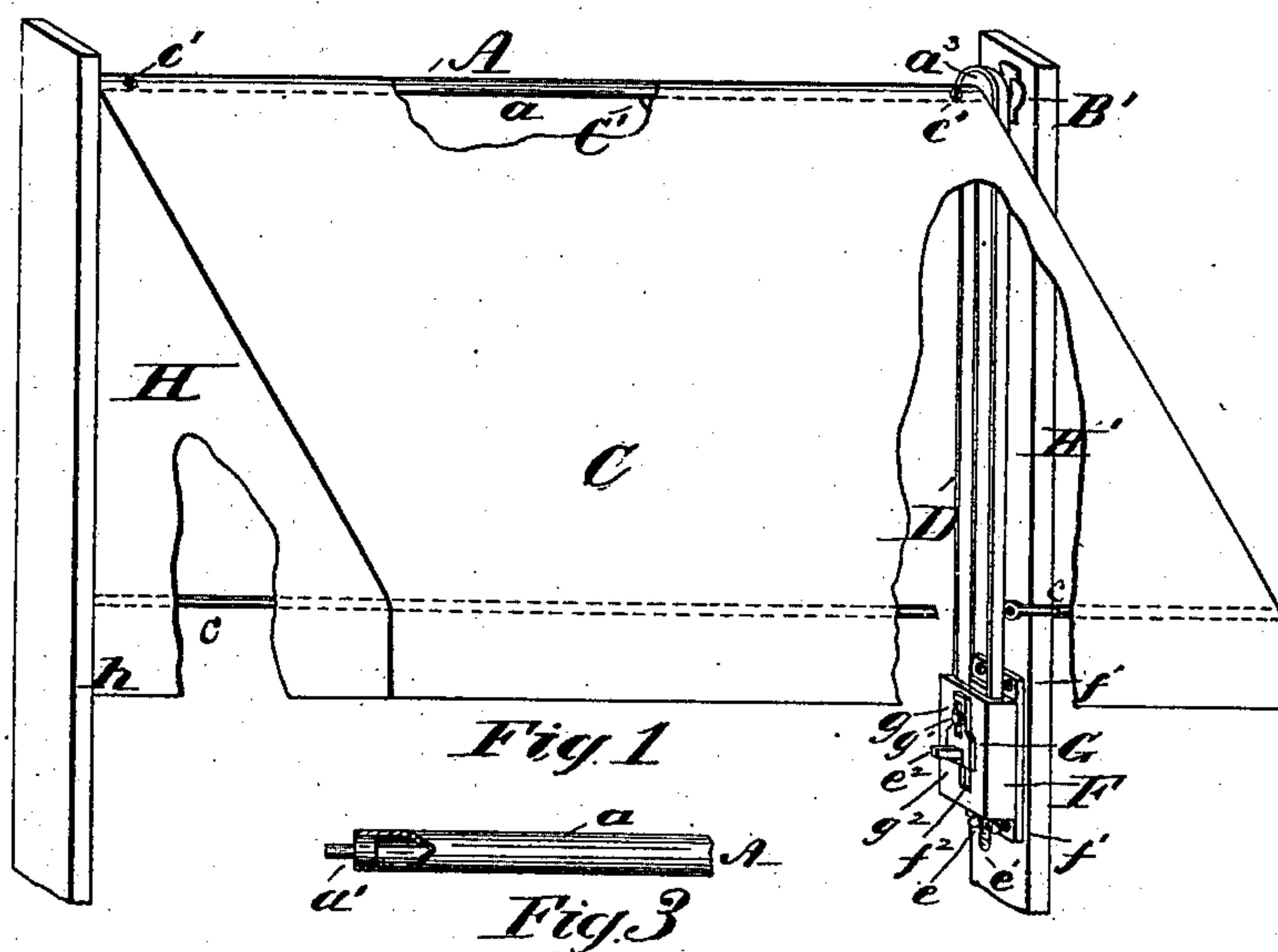
2 Sheets—Sheet 1.

H. B. COYLE.

AWNING.

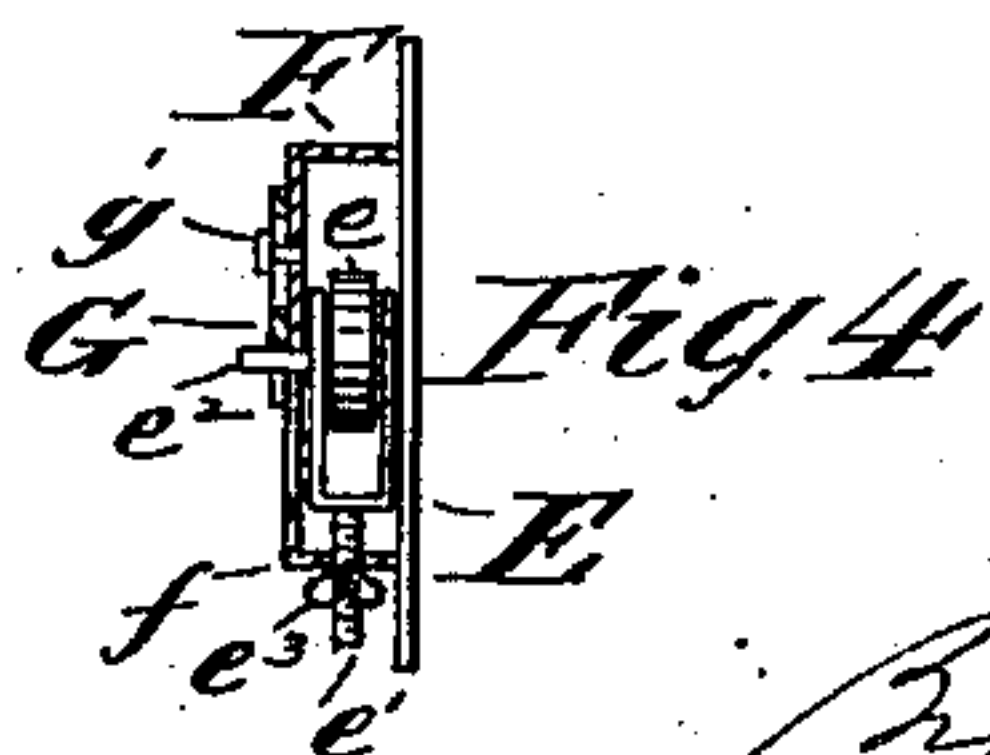
No. 294,767.

Patented Mar. 11, 1884.



WITNESSES:

Wm. S. Powell.
J. B. Connolly



INVENTOR

Hugh B. Coyle

By Connolly & Co.

ATTORNEY

(No Model.)

2 Sheets—Sheet 2.

H. B. COYLE.

AWNING.

No. 294,767.

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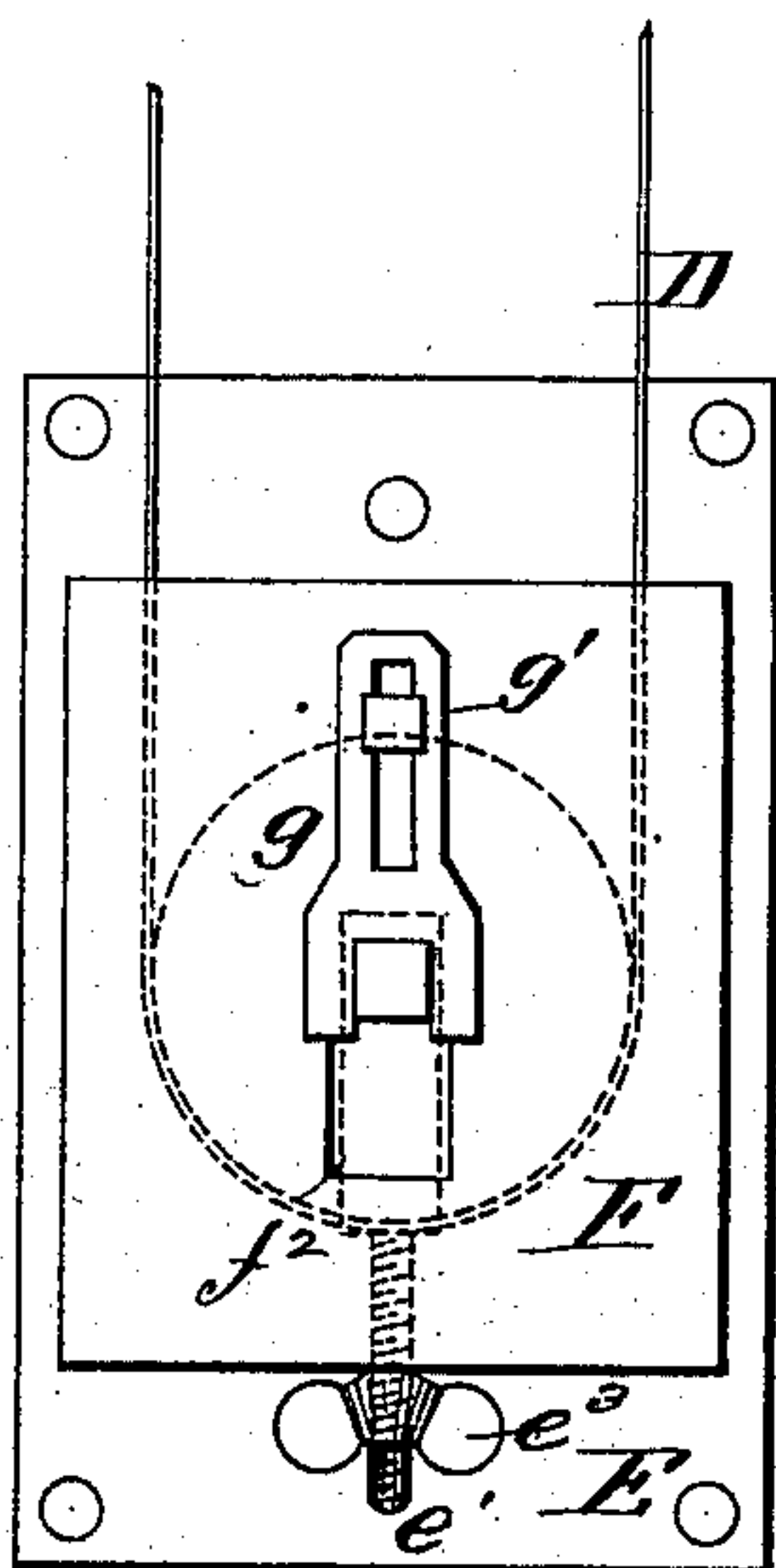


Fig. 5

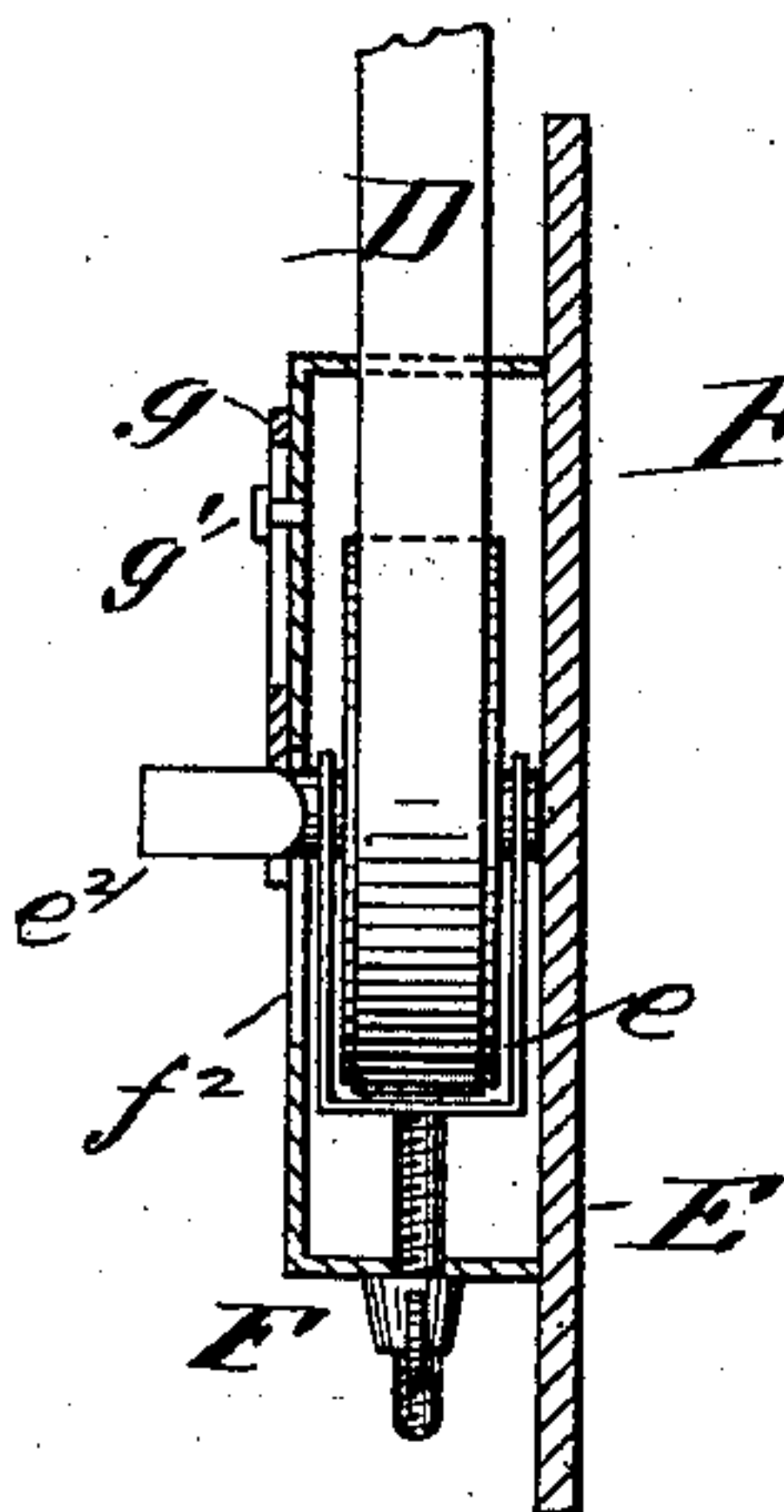


Fig. 6

WITNESSES:

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UNITED STATES PATENT OFFICE.

HUGH B. COYLE, OF PHILADELPHIA, PENNSYLVANIA.

AWNING.

SPECIFICATION forming part of Letters Patent No. 294,767, dated March 11, 1884.

Application filed June 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, HUGH B. COYLE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Awnings; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a perspective taken from the front and partly broken away. Fig. 2 is a rear elevation or inside view. Fig. 3 is a detail section of roller. Fig. 4 is a vertical section of pulley-box. Fig. 5 is a face view of the pulley-box and parts pertaining thereto. Fig. 6 is a vertical section through same.

My improvements consist in certain details of construction, and in the combinations of parts hereinafter fully described.

Referring to the accompanying drawings, A indicates the roller, which is made of a piece or length of boiler-tubing, a , having journals a' a'' inserted at each end, a pulley, a^3 , being cast with or made fast on one of said journals. Said tubing should be galvanized, to prevent staining the curtain. The journals a' a'' fit in brackets B B', of the usual or any suitable construction, affixed to a window or door frame, or in such other position, if any, as may be required.

C is the awning, attached to side rods, c c , and secured to the roller A in any suitable manner to permit it to be rolled up thereon. By preference it is formed with a pocket, C', into which the roller A is slipped, a screw or screws, c' , being passed through the awning into a hole or holes tapped in the roller for the reception thereof.

D is the belt, passing over the pulley a^3 and over another pulley, e , in a bracket, E, supported in a box, F, which is fastened to the window or door frame or to a suitable fixture. Said belt is composed of india-rubber or india-rubber belting, and by reason of its peculiar properties will always remain taut when duly adjusted, and will produce the necessary friction between it and the pulleys over which it runs to insure the winding up of the awning. This belt will be found an admirable substi-

tute for the hemp, Manila, and cotton cords and ropes hitherto employed, which latter, when exposed to the weather, very frequently vary in length, shortening when wetted by rain and elongating when dry, and so, on the one hand, at times running loosely on the pulleys, or, on the other hand, at other times binding thereon with too great severity. As the rubber belting is unaffected by the weather in the manner of an ordinary cord or rope, it does not vary in length by exposure, and when once duly adjusted has sufficient tension and traction properties to produce just the proper amount of friction on the pulleys to cause the same to turn freely, yet effectively. The pulley e is sustained in a U-shaped bracket or stirrup, E, which latter is supported on a screw, e' , which passes through a threaded opening, f , in a box, F, which latter is fastened to the window-frame or door-frame or other fixture by screws f' f' . The box F has a slot, f^2 , for the passage of the spindle e^2 of the pulley e , and the screw e' has a nut, e^3 . By means of the screw and nut the bracket E may be raised or lowered in the box F to adjust the tension of the belt D. The projecting end of the spindle e^2 is squared or angular, to receive a key or crank for turning the pulley e and communicating motion to the belt D to raise or lower the awning. To prevent said pulley from turning accidentally, and in order to hold the awning in any position either up or down, or at any point between up and down, a lock-slide, G, is employed. Said lock-slide consists of a bar or plate having a slot, g , through which passes a headed pin, g' , into the box F, and a notch, g^2 , which, when the slide is down, fits over the squared end of spindle e^2 and prevents latter from turning. To turn pulley e the slide-lock G should first be raised. With small or light awnings the spindle need not project through the box, nor the latter be slotted. In such case, instead of raising and lowering the awning by a crank or key applied to pulley-spindle e^2 , the belt D may be taken hold of and drawn for that purpose.

H H' are the side curtains of the awning, secured to the latter at its edges. One of said curtains has at its point or apex h a hook, h' , while the other has at its point or apex h^2 a ring or eye, h^3 . The hook h' connects with an

eye on the window-frame when the awning and curtains are lowered, while the eye h^3 connects in like manner with a hook. The curtains may be folded toward each other beneath the awning, as shown in Fig. 2, the hook h' and eye h^3 engaging. If desired, both the curtains $H H'$ may have hooks h' , which will engage with each other when the curtains are folded, and with eye-screws in the frame of the door or window when said curtains are let down; or any other equivalent or suitable form of catch or fastening may be substituted for the hooks and eyes.

A hook or an eye or loop, i^2 , may be secured to the awning on its under side, and the hooks or fastenings on the apices of the side curtains secured thereto when folded.

What I claim as my invention is as follows:

1. In an awning-frame, the combination, with box F , of bracket E , having screw e' and

nut e^3 , and supporting the pulley e , substantially as shown and described.

2. In an awning-frame, the combination, with box F , having slot f^2 , of pulley e , bracket E , screw e' , and nut e^3 , said pulley having a shaft, e^2 , which projects through said slot, substantially as shown and described.

3. In an awning-frame, the combination, with pulley e , having squared or angular shaft e^2 , of lock or fastening G , for engaging with said shaft to prevent said pulley from turning, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of June, 1883.

HUGH B. COYLE.

Witnesses:

LISLE STOKES,
M. D. CONNOLLY.