

(No Model.)

J. H. BUCKBEE, Jr.

SNARE TIGHTENER FOR DRUMS.

No. 388,527.

Patented Aug. 28, 1888.

Fig. 1.

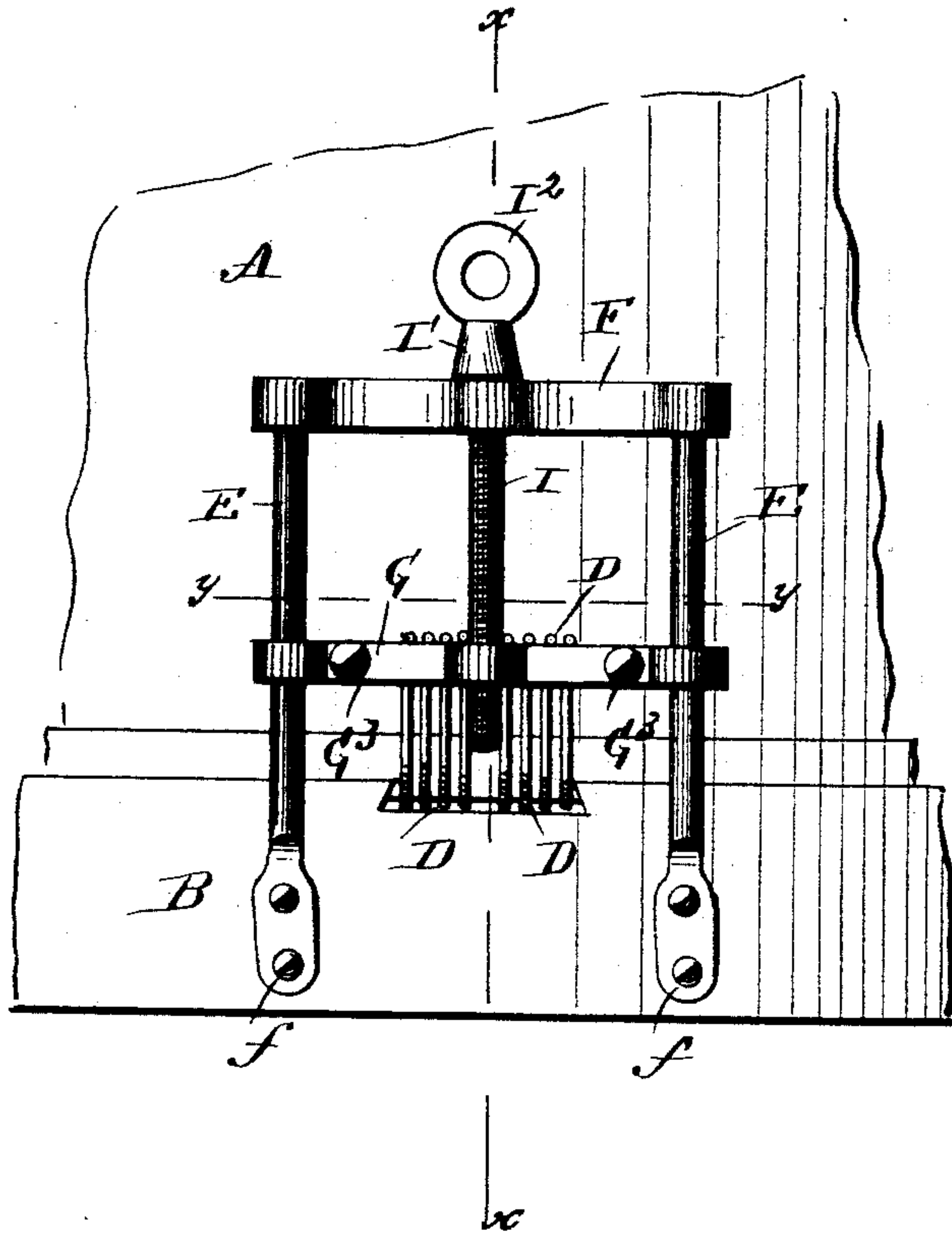


Fig. 2.

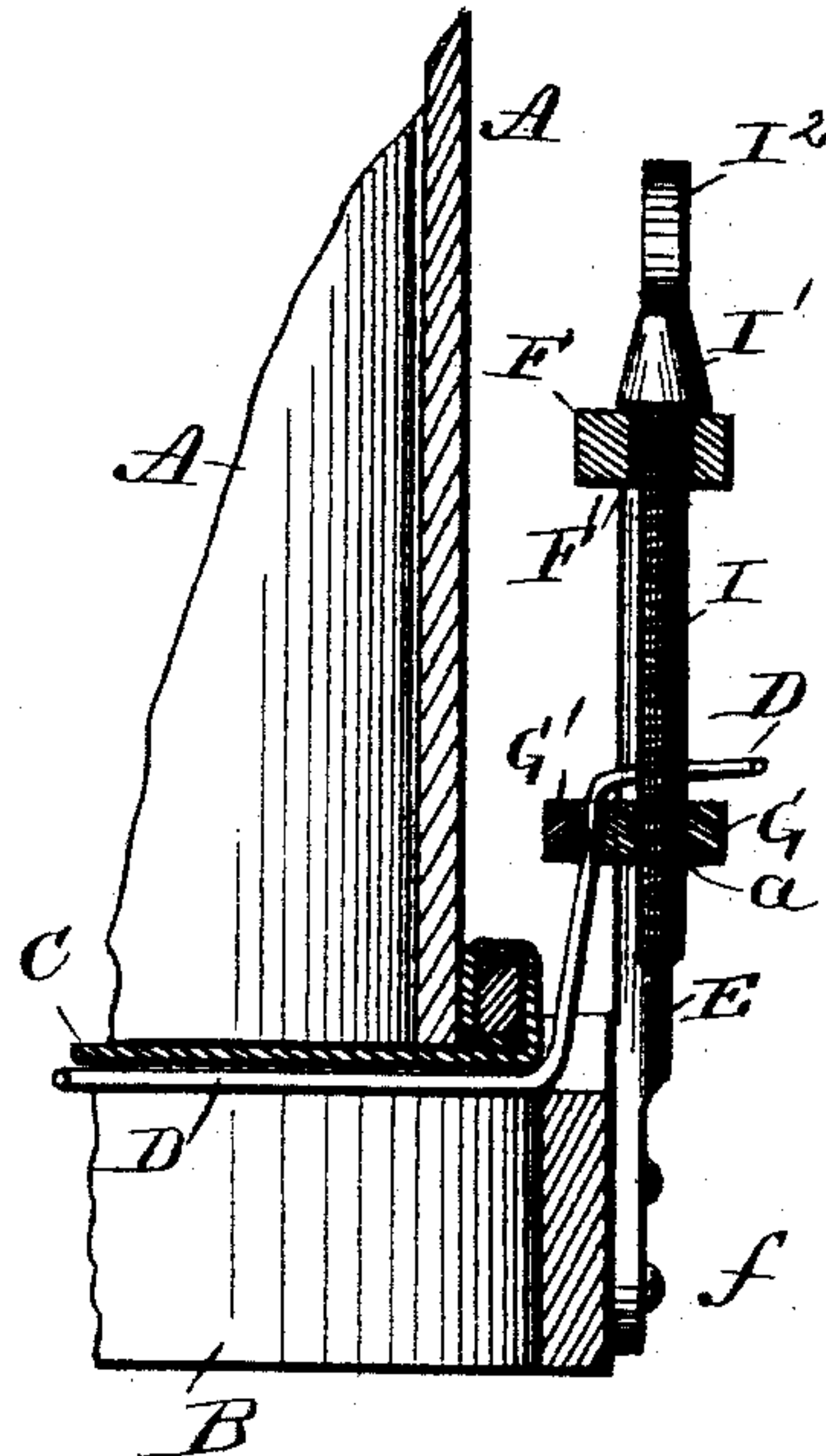
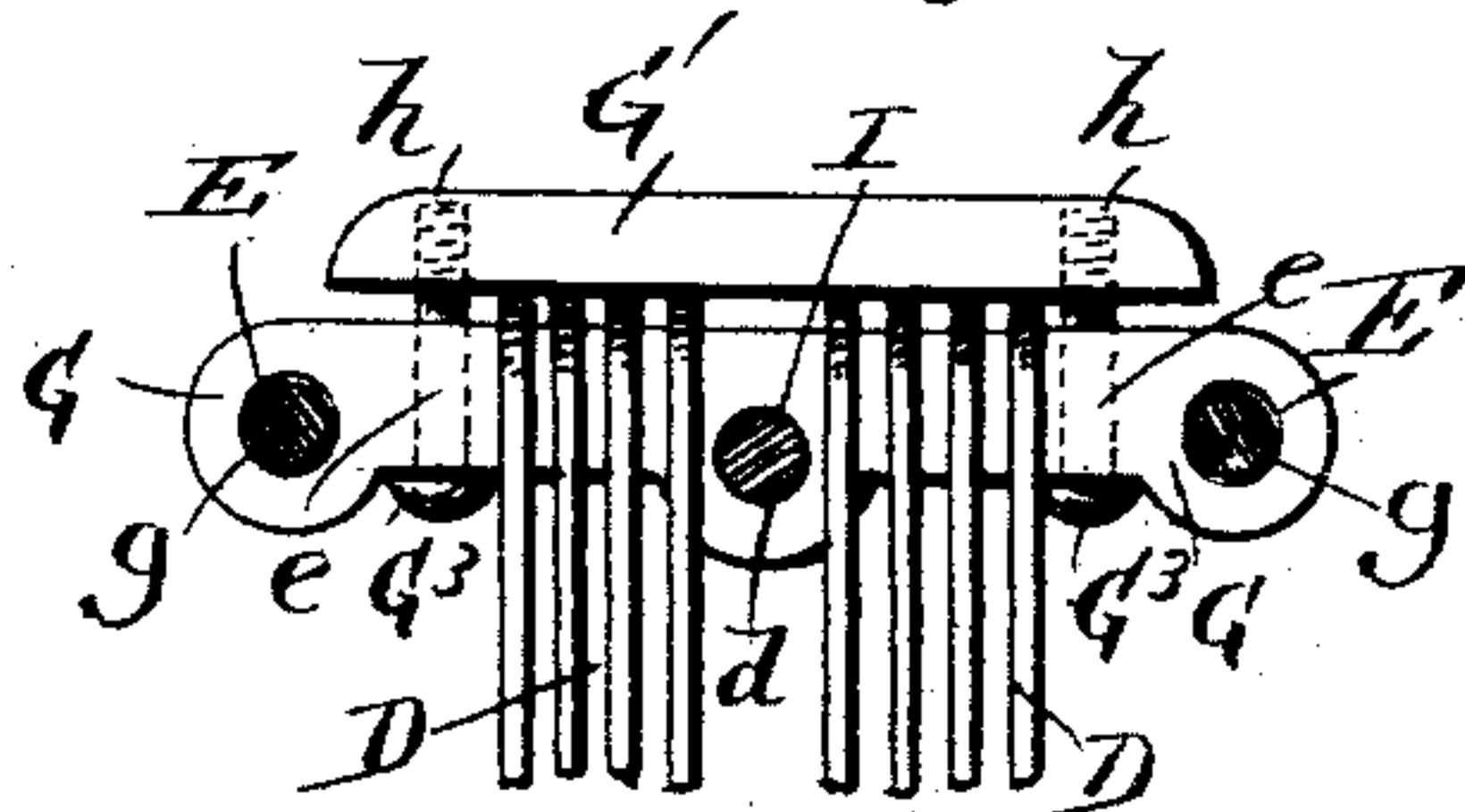


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## SNARE-TIGHTENER FOR DRUMS.

SPECIFICATION forming part of Letters Patent No. 388,527, dated August 28, 1888.

Application filed July 10, 1888. Serial No. 279,538. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. BUCKBEE, Jr., of the city, county, and State of New York, have invented a new and Improved Snare-Tightener for Drums, of which the following is a full, clear, and exact description.

The object of my invention is to provide simple and effective means for tightening the snares over the head of a drum; and it consists in the parts which will be hereinafter described, and pointed out in the claims.

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

Figure 1 represents an elevation of my device with a fragment of the shell and hoop of a drum. Fig. 2 is a section on the line  $x x$  of Fig. 1, and Fig. 3 is a section on the line  $y y$  of Fig. 1.

A represents the shell of a drum; B, the hoop; C, the head, and D the snares.

E E are two parallel guide-rods rigidly connected at one end by a cross-bar, F. The respective ends of the rods E opposite from the bar F are flattened and provided with openings for the reception of screws  $f$ . The bar F is provided with a smooth opening,  $F'$ , midway thereof.

G G' are snare-clamping jaws, the jaw G being provided with two smooth vertical openings,  $g g$ , in its respective ends, and also provided with a vertical screw-threaded opening,  $d$ , midway between the openings  $g$ . Said jaw is also provided with two smooth horizontal openings,  $e e$ . The jaw G' is provided with two screw-threaded openings,  $h h$ , in alignment with the openings  $e e$  in the companion jaw G aforesaid. The inner face of the jaw G' is serrated longitudinally or roughened, Fig. 2, so as to firmly engage the snares.

G<sup>3</sup> are screws for engaging the openings  $e$  and  $h$  and connecting the snare-clamping jaws. The openings  $e$  and  $h$  are shown in dotted lines, Fig. 3.

I represents a screw-threaded rod provided on its upper side with a shoulder, I', and thumb-piece I<sup>2</sup>.

The operation is as follows: The flat ends

of the rods E E are engaged to the hoop of the drum by means of the screws  $f$ . The snares are drawn across the head of the drum and the ends of said snares engaged between the clamping-jaws G G' by means of the screws G<sup>3</sup>. When the parts are thus engaged and the screw I turned in one direction, the jaws G G' and the snares are drawn toward the cross-bar F, so as to tighten the snares. A reverse movement of the screw I will loosen the snares.

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

1. In a snare-tightener for drums, two parallel rods connected at one end by a cross-bar having an opening, two connected jaws, one of which is provided with a screw-threaded opening, and a screw-threaded rod in engagement with the openings in the cross-bar and jaw aforesaid, substantially as shown and described.

2. In a snare-tightener for drums, two parallel rods connected at one end by a cross-bar having a smooth opening, two connected jaws, one of which is provided with a screw-threaded opening and also provided on each end with a smooth opening, and a screw-threaded rod in engagement with the smooth opening in the cross-bar and in the screw-threaded opening in the jaw, the said parallel rods being engaged with the openings in the respective ends of the jaw aforesaid, substantially as shown and described.

3. In a snare-tightener for drums, two parallel rods connected at one end by a cross-bar having a smooth opening, two connected jaws, one of which is provided with a screw-threaded opening and a smooth opening in each end, a screw-threaded rod in engagement with the opening in the cross-bar and with the screw-threaded opening in the jaw aforesaid, the face of one of the jaws being serrated or roughened, the parts being connected substantially as shown and described.

4. In a snare-tightener for drums, the rods E E and connecting cross-bar F, said bar being provided with an opening, in combination with the jaws G G', the jaw G being provided with smooth end openings which en-

gage, respectively, the rods E, said jaws being provided with openings in alignment, which are engaged, respectively, by the screws G<sup>3</sup>, the jaw G being provided with an opening in alignment with the opening in the cross-bar F, and the shouldered and screw-threaded rod I in engagement with the open-

ings in the jaw and cross-bar aforesaid, substantially as shown and described.

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Witnesses:

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