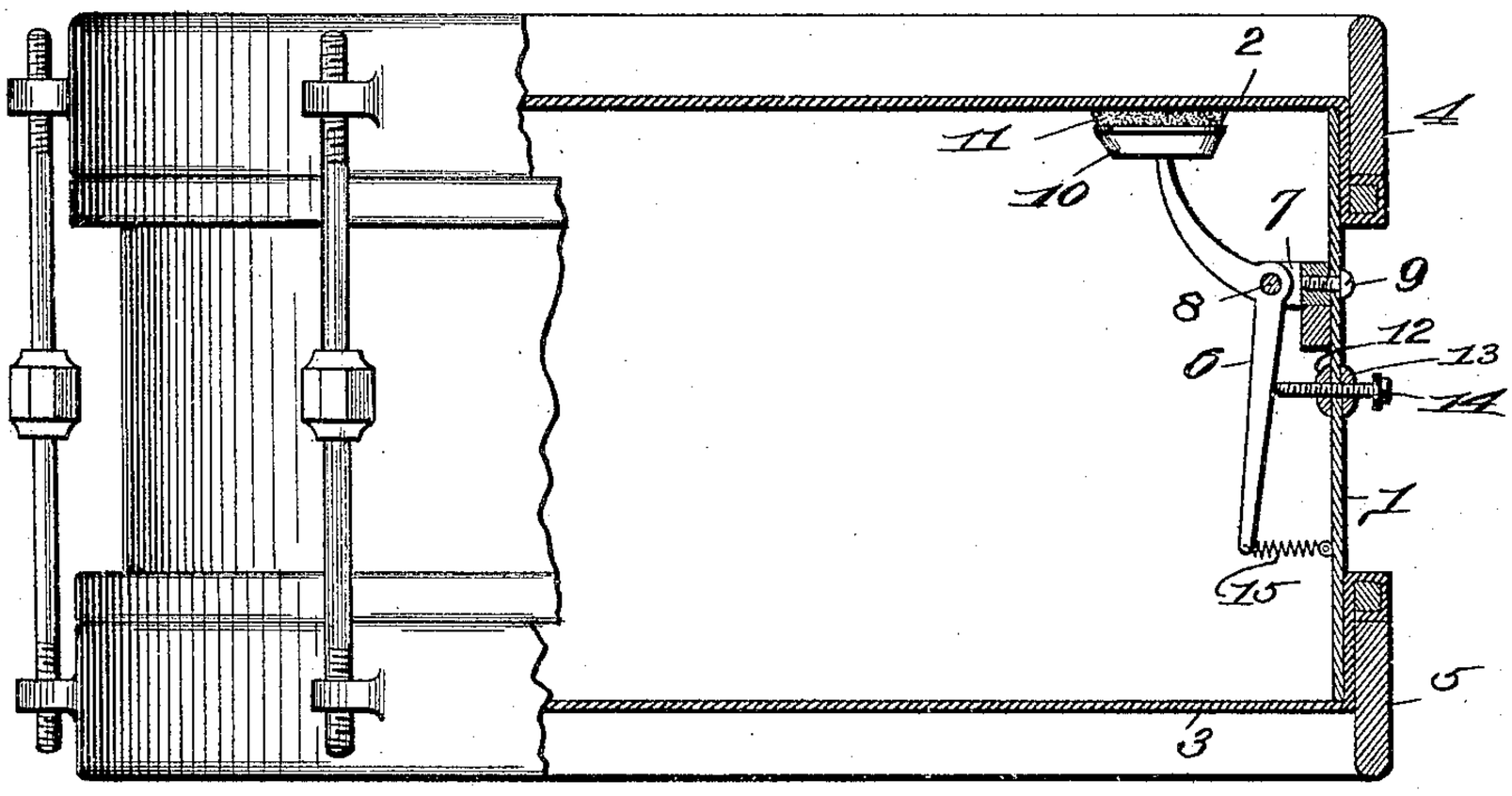
(No Model.)

E. BOULANGER.

DRUM.

No. 573,320. Patented Dec. 15, 1896.



Attest
M. F. Smith,
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Inventor:—
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By Higdon & Higdon & Longan
Atty's.

UNITED STATES PATENT OFFICE.

EMILE BOULANGER, OF ST. LOUIS, MISSOURI.

DRUM.

SPECIFICATION forming part of Letters Patent No. 573,320, dated December 15, 1896.

Application filed December 27, 1895. Serial No. 573,478. (No model.)

To all whom it may concern:

Be it known that I, EMILE BOULANGER, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Drums, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming a part hereof.

My invention relates to drums; and it consists in the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

The figure is a side elevation of a drum, parts being broken away to more clearly illustrate my invention.

My invention consists, specifically, of applying a device to a drum for arresting the vibrations of the drum-head.

In the drawing, 1 represents the drum-shell; 2, the batter-head; 3, the snare-head; 4, the upper rim, and 5 the lower rim; and my vibration-arrester consists of the lever 6, pivoted near its center to the post 7 by means of the pin 8, which post is attached to the drum-shell 1 by means of the screw 9.

The lower end of the lever 6 is substantially straight and nearly parallel with the drum-shell 1, while the upper end extends inwardly and upwardly and has upon its upper end the head 10, and upon the upper face of said head is attached a piece of sheepskin 11, with the wool normally in contact with the under side of the batter-head 2 of the drum. Lugs 12 and 13 are attached upon opposite sides of the drum-shell 1 and in alinement with each other, and a set-screw 14 is screw-seated in said lugs and through the shell 1, with its inner end engaging the lower end of the lever 6. The pressure of the woolly surface 11 against the batter-head or its position relative to said batter-head is adjusted by manipulating the screw 14. The retractile coil-spring 15 is attached to the extreme lower end of the lever 6 and to the inner face of the drum-shell 1, and the tension of said spring 15 is normally exerted to hold the lever 6 in engagement with the inner end of the set-screw 14 and to hold the woolly surface 11 out of engagement with the batter-head 2.

In the practical operation of my invention the set-screw 14 should be loosened until the woolly surface 11 barely touches the batter-head. Then by testing the head and tightening the screw the vibrations may be regulated to suit the drummer.

I claim—

In a device for arresting the vibrations of the head of a drum, a lever pivotally attached to the drum-shell having the head faced with sheepskin with the wool in contact with the drum-head, a retractile coil-spring attached to the opposite end of the lever to hold the woolly surface normally out of contact with the drum-head, and an adjusting-screw penetrating the drum-shell and in contact with the arm of the lever by which the pressure of the woolly surface is regulated relative to the drum-head, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EMILE BOULANGER.

Witnesses:
JOHN C. HIGDON,
MAUD GRIFFIN.