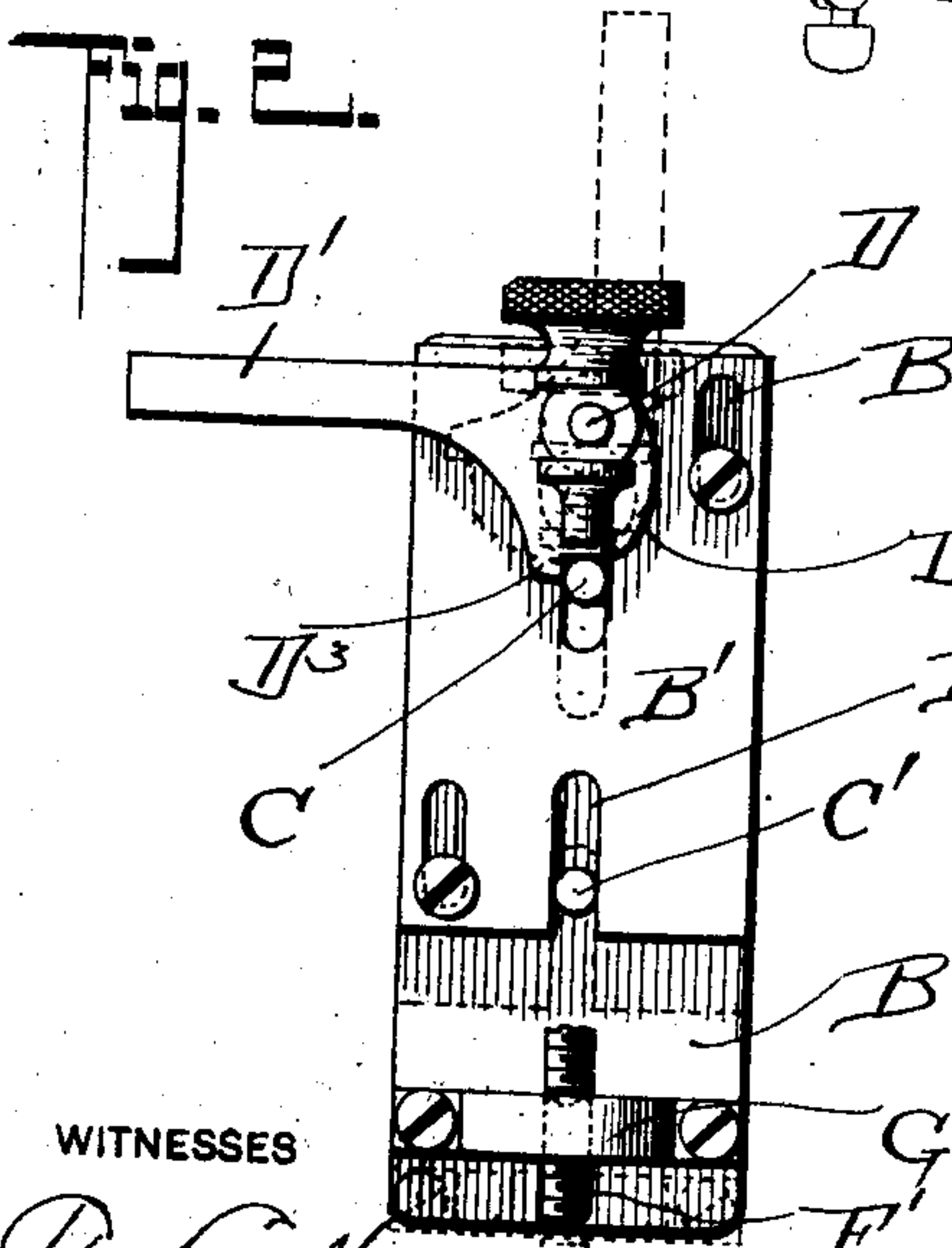
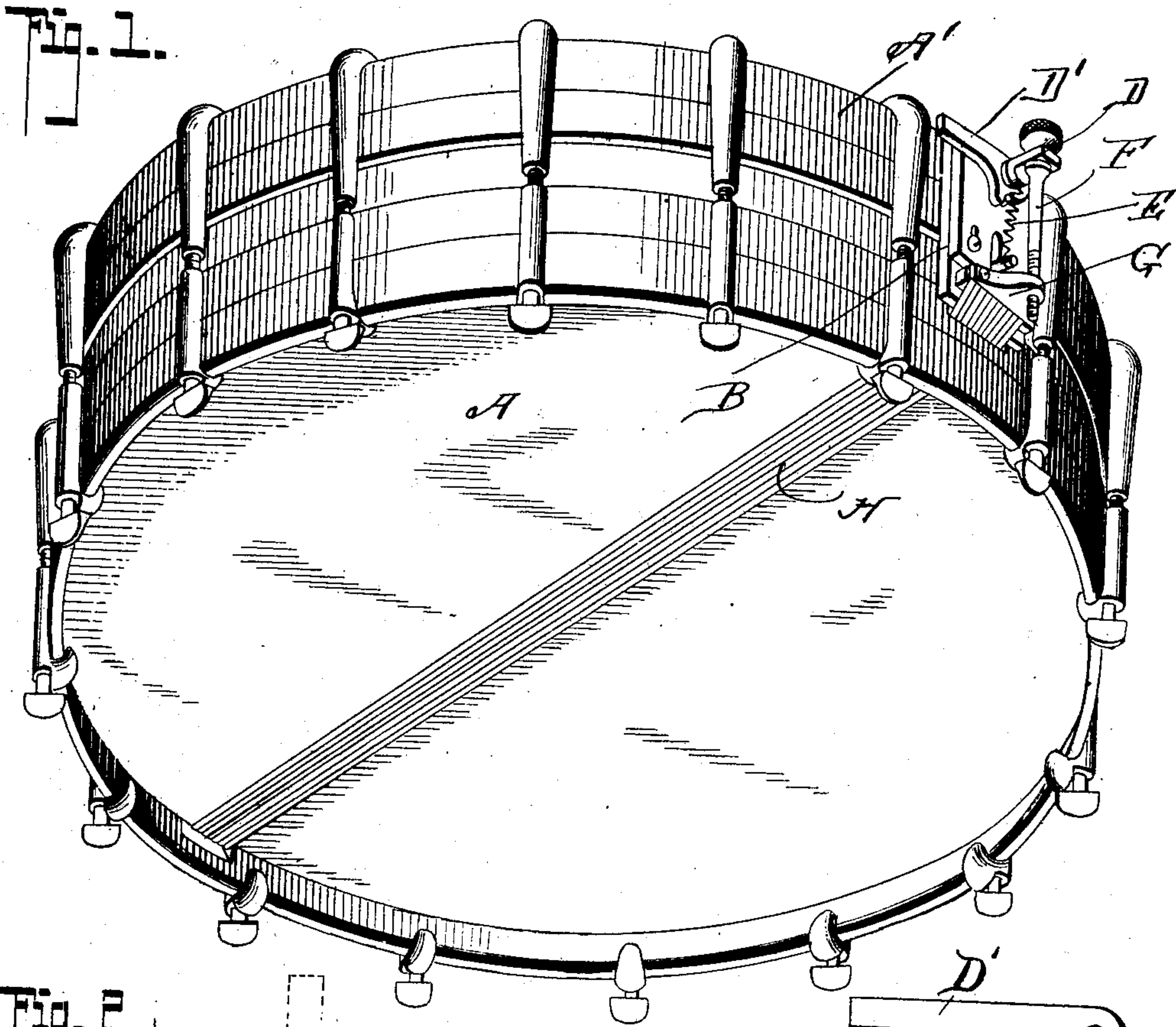


No. 889,702.

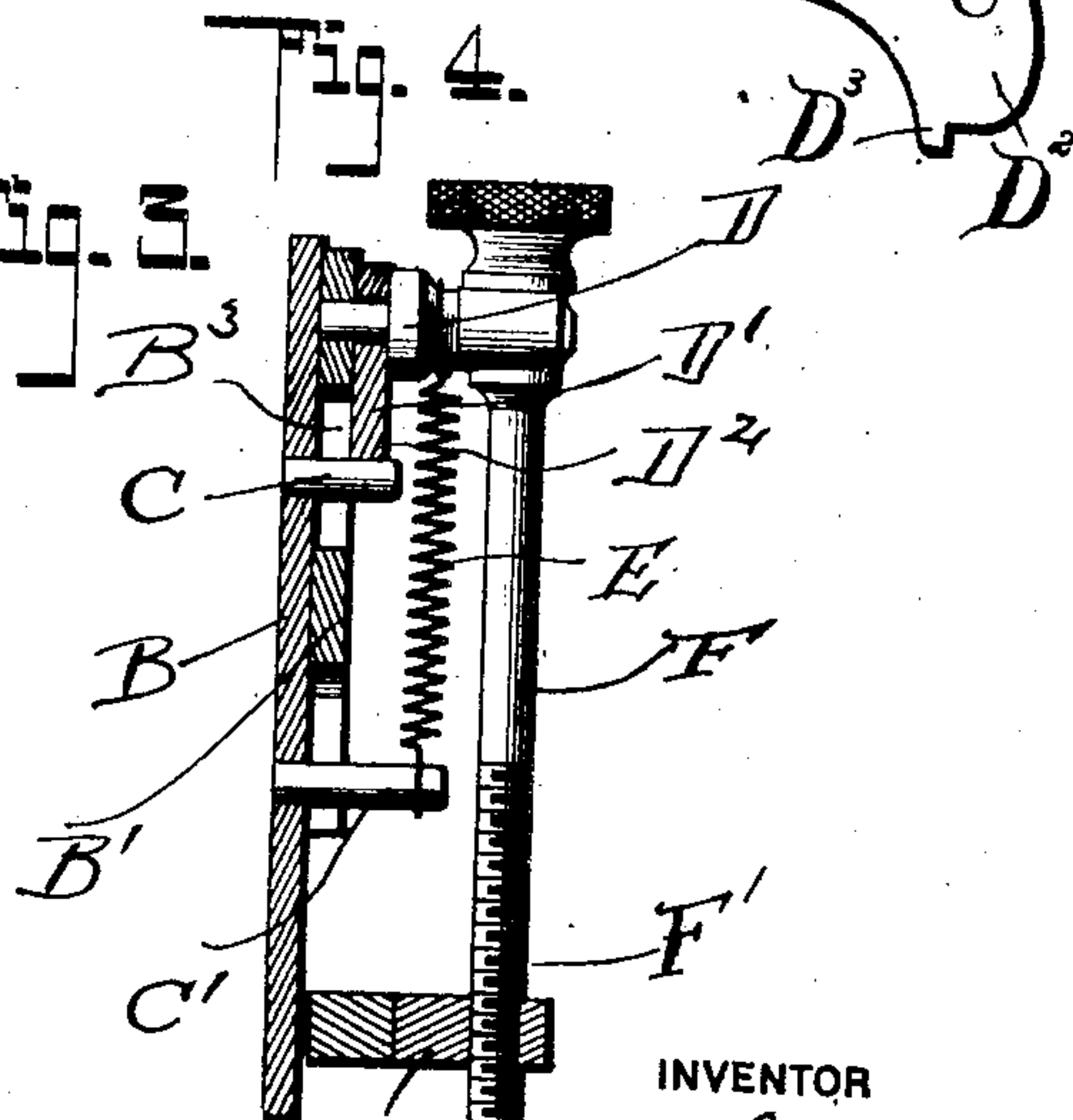
PATENTED JUNE 2, 1908.

A. C. LUDINGTON.
ATTACHMENT FOR DRUMS.
APPLICATION FILED MAR. 12, 1906.



WITNESSES

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ATTACHMENT FOR DRUMS.

No. 889,702.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed March 12, 1906. Serial No. 305,704.

To all whom it may concern:

Be it known that I, ALBERT C. LUDINGTON, a citizen of the United States, residing at Ishpeming, in the county of Marquette and State of Michigan, have invented a new and useful Improvement in an Attachment for Drums, of which the following is a specification.

This invention is a snare strainer or muffler adapted to be used upon drums, for the purpose of quickly and easily moving the snare strings against or away from the face of the drum, so that the said drum can be used either as a snare drum or a tom-tom.

It is common in much of the band music of the present day to find drum parts written for both the snare and the tom-tom, and ordinarily it is necessary to employ both a snare drum and a tom-tom instrument or wherever it has not been practical to use two instruments, it has been customary to obtain the tom-tom effect upon the ordinary snare drum by loosening the snare, but this operation requires time and furthermore, in readjusting the snare it is difficult to secure exactly the same tension as was had at first.

The object of my invention is to overcome the difficulties encountered in music of this description by providing means for the quick and easy adjustment of the snare and my invention consists in an attachment for drums constructed as hereinafter described and pointed out in the claims.

In the drawings forming a part of this specification:—Figure 1 is a perspective view showing a snare drum provided with my improved construction of snare, strainer or muffler, the parts being shown in the position they assume when the snare is applied. Fig. 2 is a face view of the attachment, a portion of the rod being broken away, and Fig. 3 is a sectional elevation, the snare strings being omitted from both these views. Fig. 4 is a detail view of a lever provided with a cam head.

Referring to the drawings A, indicates a snare drum having my attachment connected to the rim A'. This attachment or device consists of a flat plate B, which is preferably secured to the rim A', by means of screws and upon this plate is slidably mounted a shorter plate B', said plate B', being held to the plate B, by suitable set screws which work through longitudinal slots B², formed

in the plate B'. It will be understood that the plate B', is slidable on the plate B, the extent of its travel being limited by the length of the slots B², and the plate B', is also provided with central longitudinal slots B³, in which work the pins C and C', which are carried by the plate B, and which project respectively through the slots B³, of the plates B'. The plate B', also carries at its upper end a pin D, upon which is pivoted a lever D', said lever having the cam head D², which engages the pin C, and this cam head is provided with a nose D³, which is adapted to engage the pin C, and serve as a stop and a lock for the lever D', in its normal or applied position.

A coil spring E, has one end secured to the pin D, and the opposite end to the pin C', the purpose of said spring E, being to throw the pin D, and plate B, downwardly whenever the lever D', is thrown off the pin C, as shown in dotted lines in Fig. 2, and the plate B, carrying the pin D, is moved downwardly for the purpose of shifting the rod F, which rod turns freely in the head of the pin D, and is threaded at its lower end as shown at F', for the purpose of adjustably connecting with the clamp G, to which the snare H, is connected, the snare and clamp being of the usual or any improved construction. When it is desired to hold the snare close to the face of the drum the lever D', is thrown down as shown in Figs. 1 and 2, and when it is desired to obtain the tom-tom effect the lever is thrown up and the spring E, immediately draws down, pin D rod F, and clamp G, thus permitting the snare H, to drop away from the face of the drum.

Thus it will be seen that the attachment can be instantly shifted from one position to another without disturbing the original adjustment of the snare. The original adjustment can be had by simply turning the threaded rod F, said operation causing the clamp G, to move up or down upon the threaded end of the rod and it will be noted that the clamp G, bears upon the lower portion of the plate B, and is therefore guided or steadied in all of its movements.

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

1. A device of the kind described comprising a plate, a threaded rod slidable with re-

spect to the plate and carrying the snare clamp, a pin carried by the plate, and the cam lever adapted to engage said pin and to slide the rod longitudinally with respect to the plate.

2. A device of the kind described comprising a plate, a second plate slidable upon the first mentioned plate, a snare clamp, a threaded adjusting rod supported from the sliding plate and working through the snare clamp, and means for sliding the slidable plate.

3. A device of the kind described comprising a base plate, a slotted plate slidable upon the base plate, pins carried by the base plate and projecting in the said slots, a pin carried by the sliding plate, a cam lever pivoted upon said last mentioned pin and in engagement with one of the pins of the base plate, a spring connected at one end, to the pin of the sliding plate and at opposite end to the other pin of the base plate, a rod turning in the head of the pin upon which the lever is mounted, and a snare clamp adjustable upon the threaded end of the rod, said snare clamp

bearing upon the lower portion of the base plate.

4. A device of the kind described comprising a base plate, a plate slidable on the base plate, a pin carried by the base plate, a lever having a cam pivoted on the slidable plate, said cam being adapted to engage the pin; a snare clamp, a rod threaded therein and means connecting the rod to the slidable plate.

5. A device of the kind described comprising a base plate, a plate slidably connected to the base plate and carrying a pin, a rod passing through the head of the pin, a clamp adjustable upon the end of the rod, a lever pivoted upon the pin and adapted to bear upon a stationary projection carried by the fixed plate, for the purpose of shifting the movable plate and spring means for throwing the movable plate downwardly as set forth.

ALBERT C. LUDINGTON.

Witnesses:

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C. H. DAWSON.