

No. 751,505.

PATENTED FEB. 9, 1904.

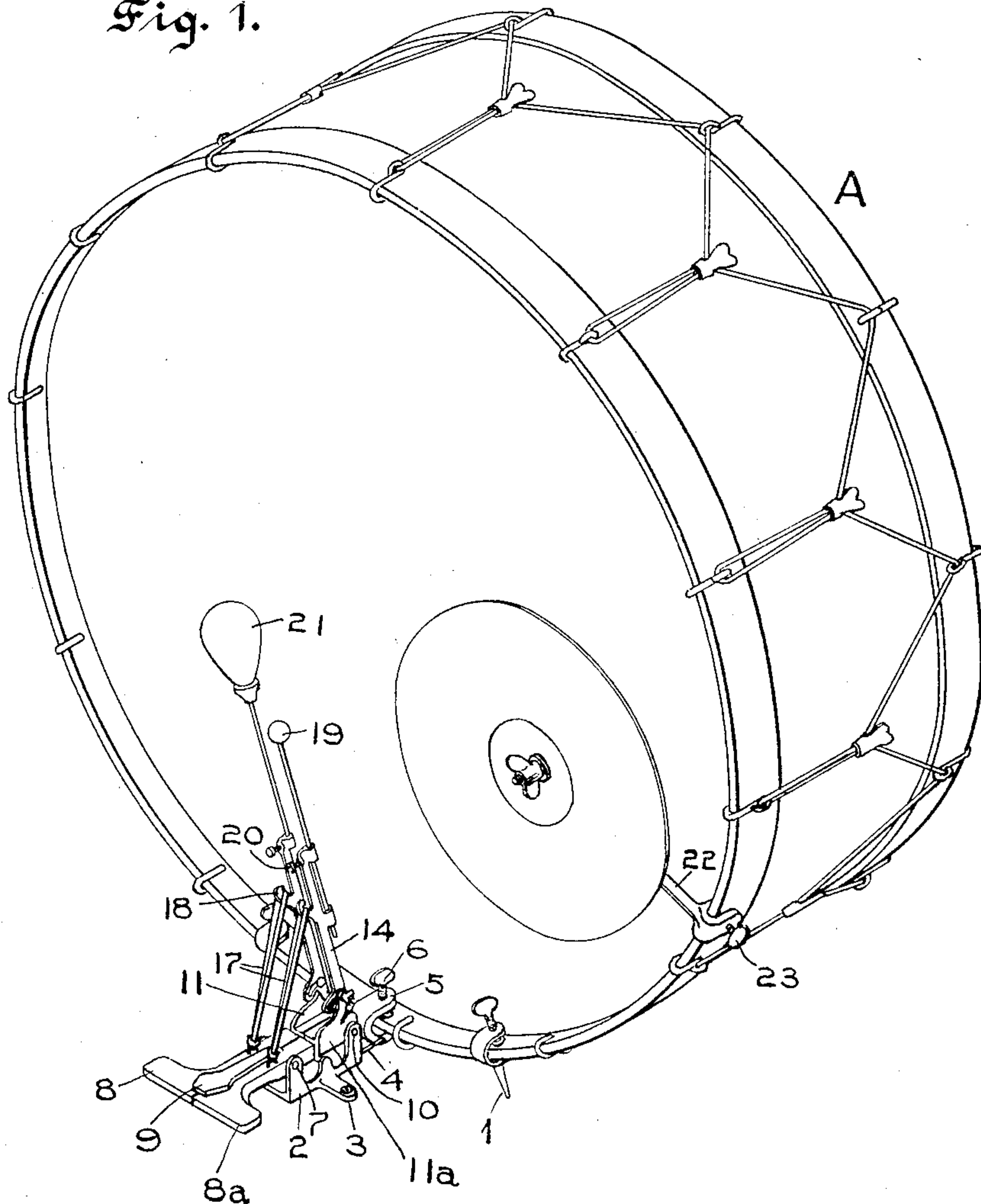
H. K. HARRISON & A. L. BROWN.  
COMBINED DRUM AND CYMBAL BEATER.

APPLICATION FILED NOV. 13, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses,  
*W. H. Palmer.*  
*Emily F. Otis*

Inventors,  
*Harry K. Harrison,*  
*Albert L. Brown.*  
*by J. H. Johnson*  
*his Attorneys.*

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2 SHEETS—SHEET 2.

Fig. 2.

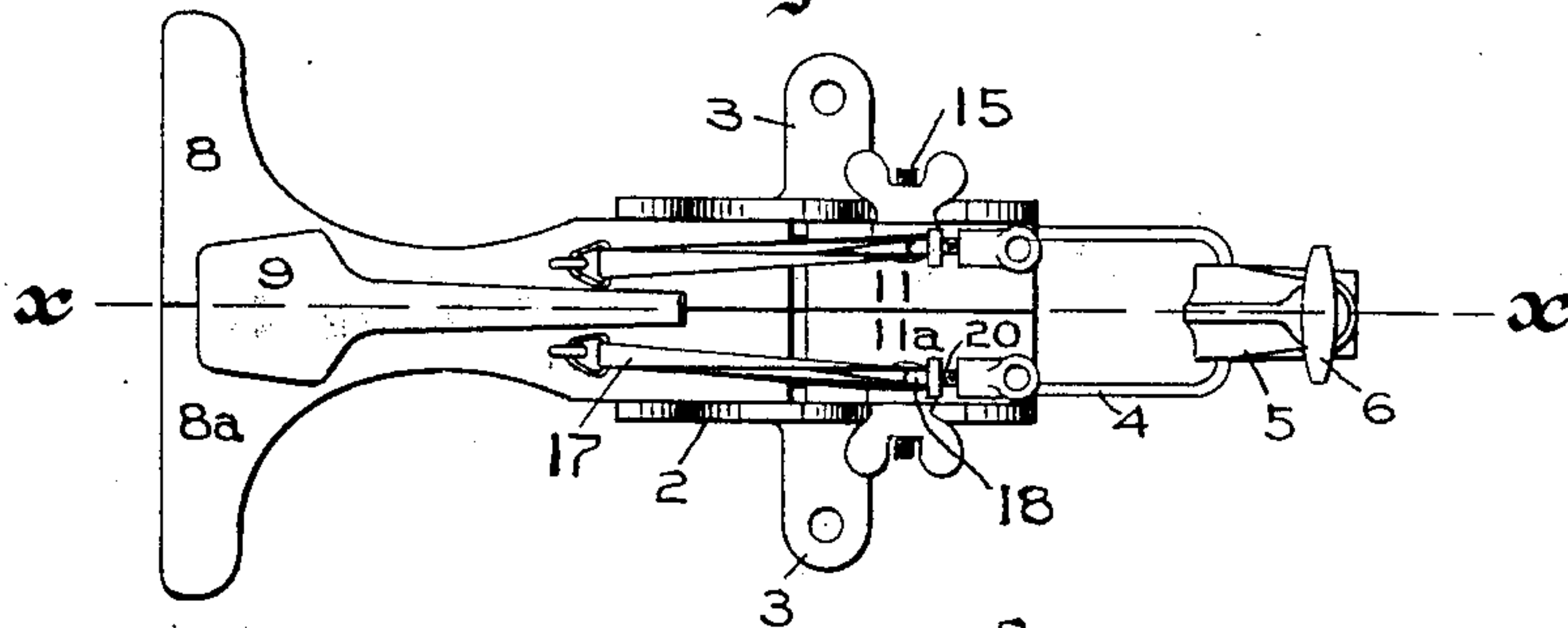


Fig. 3.

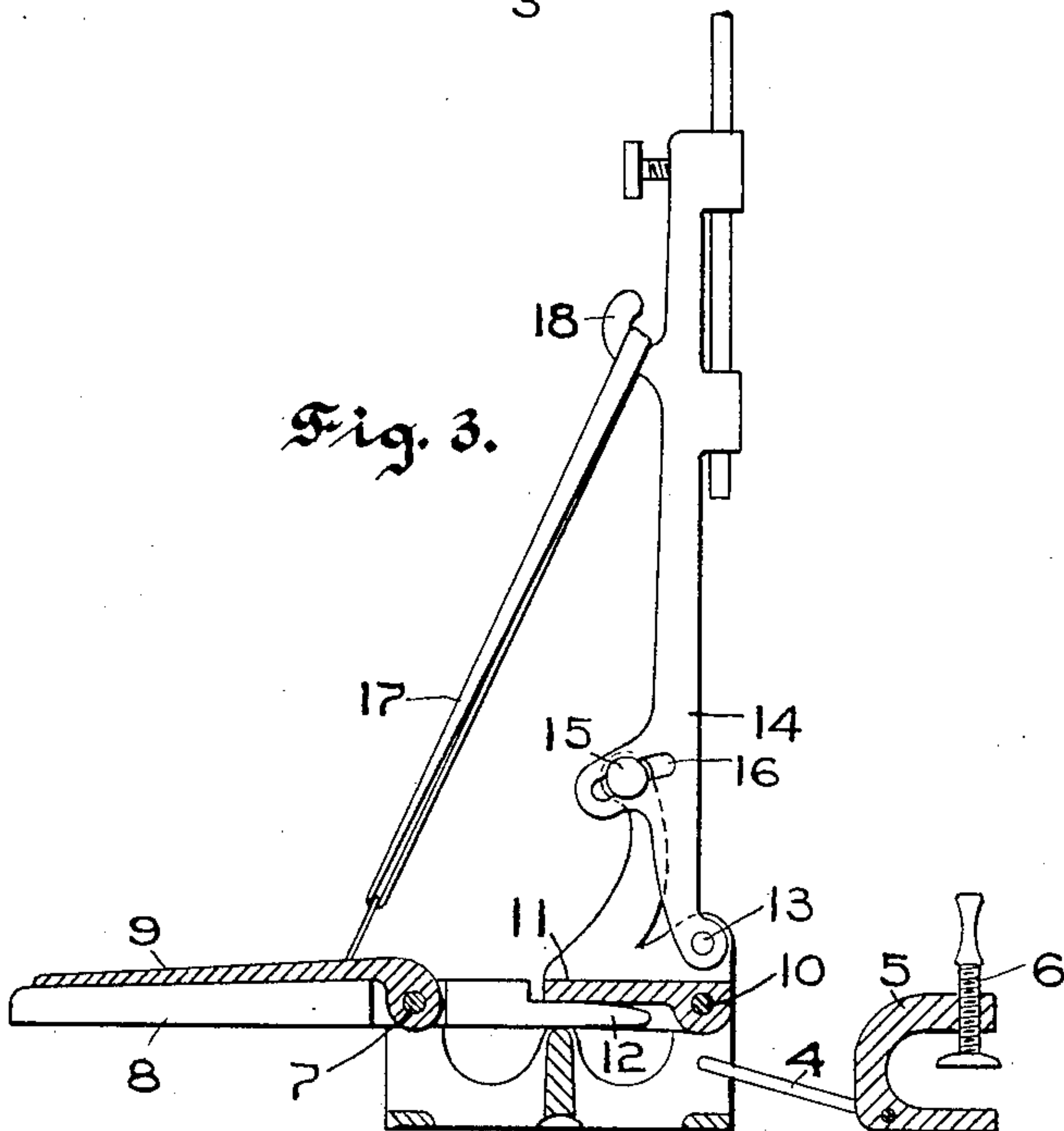


Fig. 4.

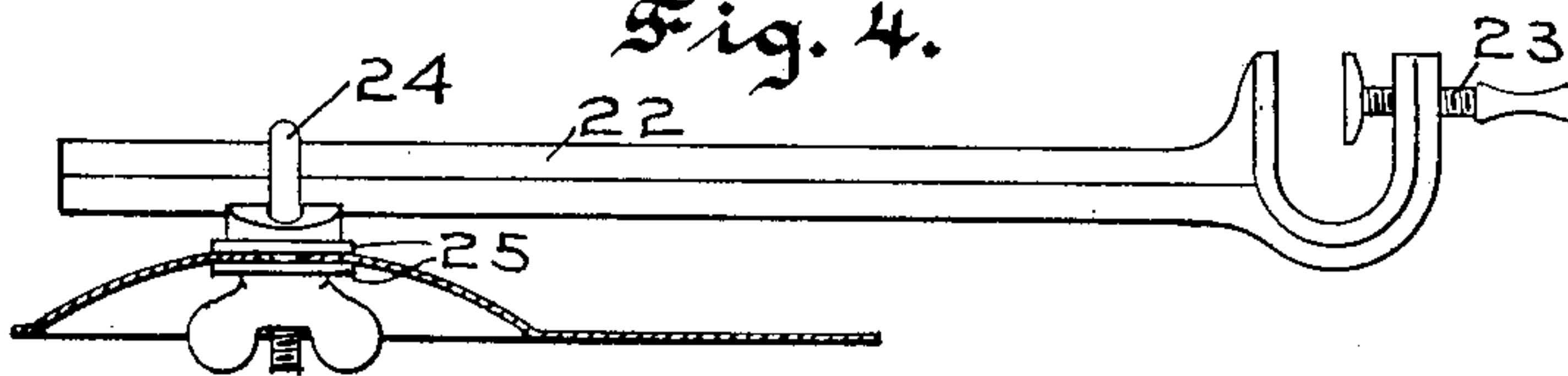
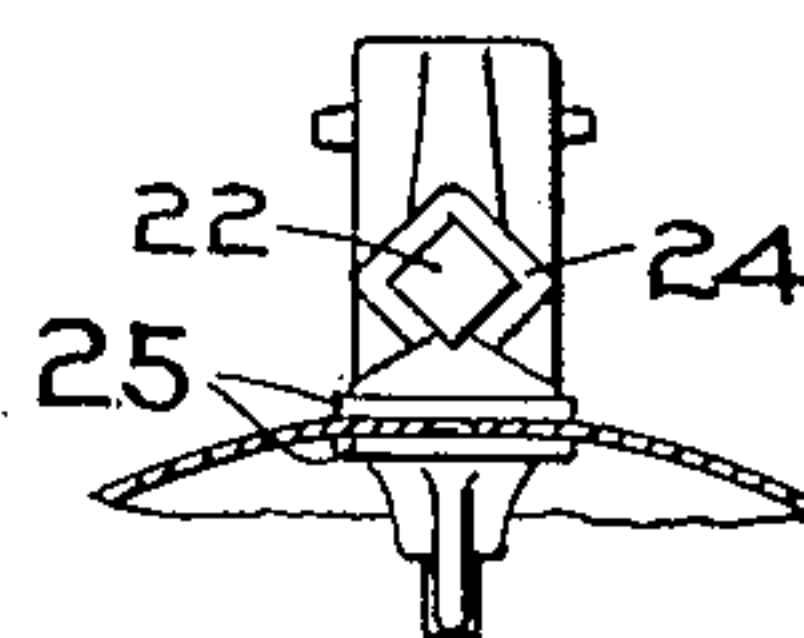


Fig. 5.



Witnesses,  
W. H. Palmer.  
Emily F. Otis

Inventors.  
Harry K. Harrison,  
Albert L. Brown.  
by *John P. Johnson*  
his Attorneys.



# UNITED STATES PATENT OFFICE.

HARRY K. HARRISON AND ALBERT L. BROWN, OF ST. PAUL, MINNESOTA,  
ASSIGNORS TO W. J. DYER & BRO., OF ST. PAUL, MINNESOTA, A COR-  
PORATION OF MINNESOTA.

## COMBINED DRUM AND CYMBAL BEATER.

SPECIFICATION forming part of Letters Patent No. 751,505, dated February 9, 1904.

Application filed November 13, 1903. Serial No. 181,003. (No model.)

*To all whom it may concern:*

Be it known that we, HARRY K. HARRISON and ALBERT L. BROWN, citizens of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in a Combined Drum and Cymbal Beater, of which the following is a specification.

Our invention relates to improvements in drum and cymbal beaters; and it consists in the features of construction and combination hereinafter particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 shows our drum and cymbal beater arranged in connection with drum and cymbal. Fig. 2 is a top view of our improved beater. Fig. 3 is a section on line *x x* of Fig. 2. Fig. 4 is a detail of the cymbal-supporting arm, showing the cymbal in section; and Fig. 5 is an end view of the same.

In the drawings, A represents a drum of the usual construction. When used in connection with our device, the drum is supported in upright position by legs 1, clamped to the projecting edge of the drum-rim.

Our improved drum and cymbal beater is formed with a base 2, having laterally-extending lugs 3 for attachment to the floor below. Connected with the forward end of the base 2 by a bail 4 is a clamp 5, secured to the projecting rim of the drum; as shown in Fig. 1, by a screw 6. Having common fulcrum support 7 in the base 2 are pedals 8 and 8<sup>a</sup>. Also mounted upon the supporting-fulcrums 7 is a plate 9, standing over both pedals, as shown in Fig. 2, to permit of simultaneous depression of the two pedals. Having fulcrum support 10 in the base in front of the pedals are the blocks 11 and 11<sup>a</sup>, under the rear ends of which extend the ends 12 of the pedals. Having pivotal support 13 upon the blocks 11 and 11<sup>a</sup> are similar arms 14, each of said arms being adjustable upon its pivot by a thumb-screw 15, passing through the upwardly-projecting side of the corresponding block and through a slot 16 in the adjacent arm. Each of said arms is connected with the correspond-

ing pedal by an elastic 17, connected at its lower end with the pedal and passing over a finger 18 upon the rear side of the arm. As shown in Fig. 1, one of the arms 14 supports a cymbal-beater 19, removably supported in the arm by a thumb-screw 20. The other arm similarly supports a drum-beater 21.

The cymbal is supported in adjusted position by an arm 22, clamped by a thumb-screw 23 to the side of the drum. Slidable upon the arm 22 is a clamp 24, carrying disks 25, between which is clamped the cymbal, as illustrated in Fig. 4. The arm 22 and the opening of the clamp 24 are made rectangular, so as to prevent turning of the cymbal.

With the parts positioned as shown in Fig. 1 the depressing of the pedal 8<sup>a</sup> will turn the block 11<sup>a</sup> and carry the cymbal-beater toward the cymbal, the arm being returned to normal position by its elastic 17. Similar depressing of the pedal 8 will turn the block 11 upon its support to carry the drum-beater against the drum-head.

When it is desired to sound both drum and cymbal, both pedals are depressed by resting the foot upon the central plate 9. The stroke of the cymbal or drum beater-arm is adjusted by the slot and thumb-screw connection 15 and 16. As shown in Fig. 3, the end of each pedal at the point of contact with the blocks 11 and 11<sup>a</sup> is made rounded to give continuous contact as the arms are actuated.

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

1. In a combined drum and cymbal beater, the combination with a supporting-base, of a pair of arms pivotally supported therein, means for adjusting said arms upon their pivots, an actuating-pedal for each arm, and an elastic connection between each arm and its pedal.

2. In a combined drum and cymbal beater, the combination with a supporting-base, of a pair of arms pivotally supported therein, a pair of pivoted pedals arranged in connection with said arms, an elastic connection between each arm and its pedal, and a plate extending

over both pedals, as and for the purpose set forth.

3. In a combined drum and cymbal beater, the combination with a base provided with  
5 means for attachment to the drum, of a pair of blocks fulcrumed in said base, an arm pivotally supported upon each block, and a pair of actuating-pedals arranged in connection with said blocks.

10 4. In a combined drum and cymbal beater, the combination with a supporting-base provided with means for attachment to the drum, of a pair of blocks fulcrumed in said base,

arms pivotally supported upon said blocks, a pair of pedals pivoted at the rear of said block 15 and having rounded ends extending underneath said blocks, a plate extending over both pedals, and means normally holding said arms in raised position.

In testimony whereof we affix our signatures 20 in presence of two witnesses.

HARRY K. HARRISON.  
ALBERT L. BROWN.

Witnesses:

H. P. GASTON,  
W. H. DICKSON.