No. 850,306. PATENTED APR. 16, 1907.

U. G. LEEDY & C. B. WANAMAKER.

DRUM.

APPLICATION FILED NOV. 13, 1905.

Fig. 1.

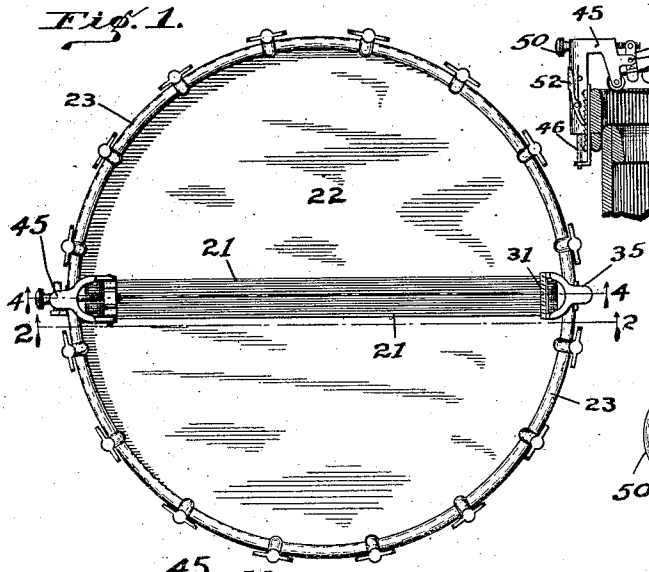


Fig. 2.

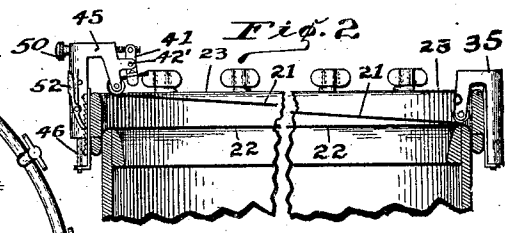


Fig. 3.

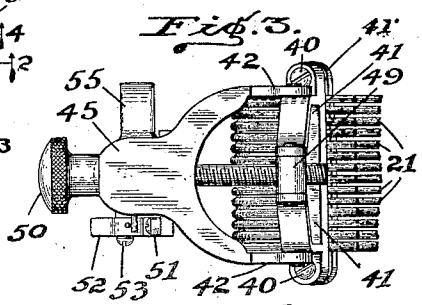


Fig. 4.

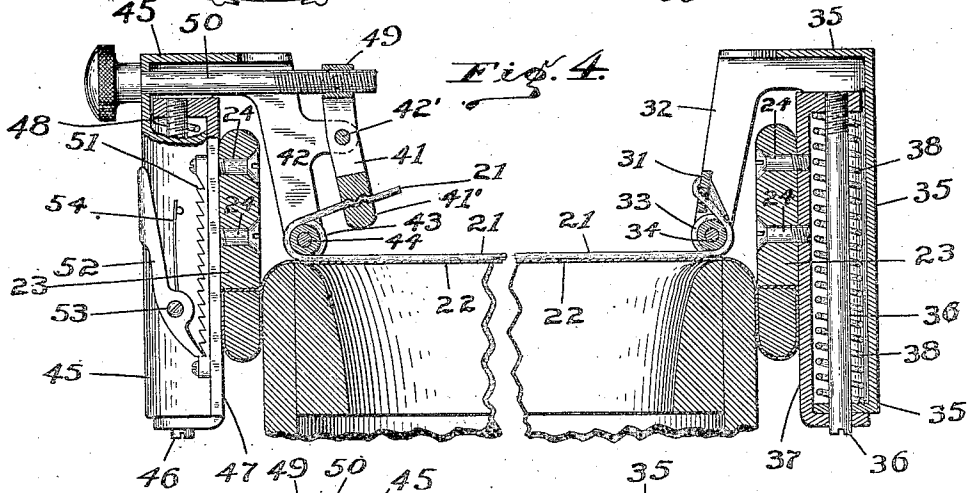


Fig. 5.

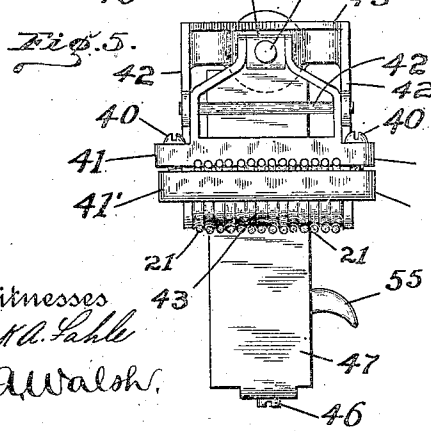
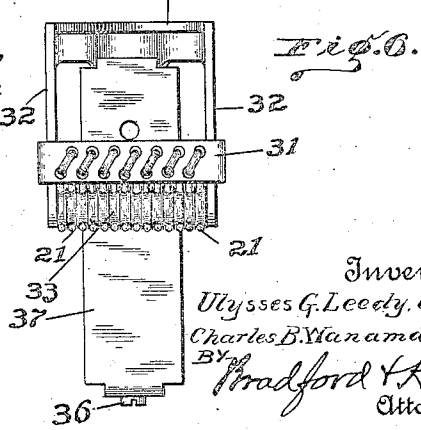


Fig. 6.



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UNITED STATES PATENT OFFICE.

ULYSSES G. LEEDY AND CHARLES B. WANAMAKER, OF INDIANAPOLIS, INDIANA, ASSIGNORS TO LEEDY MANUFACTURING COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

DRUM.

No. 850,306. Specification of Letters Patent. Patented April 16, 1907.

Application filed November 13, 1905. Serial No. 286,995.

To all whom it may concern:

Be it known that we, ULYSSES G. LEEDY and CHARLES B. WANAMAKER, citizens of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Drums, of which the following is a specification.

Our said invention relates to that variety of drums known as "snare-drums;" and said invention consists in improved means for attaching, adjusting, and manipulating the snares.

The accompanying drawings illustrate a drum provided with our improved devices.

Figure 1 is a plan view of a drum so equipped; Fig. 2, a detail sectional view as seen when looking in the direction indicated by the arrows from the dotted line 2 2 in Fig. 1, the central portion, however, being broken away; Fig. 3, a top or plan view of one of the snare attaching, adjusting, and manipulating devices on an enlarged scale; Fig. 4, a detail sectional view, also on an enlarged scale, as seen when looking in the direction indicated by the arrows from the dotted line 4 4 in Fig. 1, the central portion being broken away; and Figs. 5 and 6, respectively, elevations as seen from the inner sides of the two snare attaching, adjusting, and manipulating devices separate from the drum.

The drum, generally speaking, is or may be of the ordinary or any desired form or construction, and as it forms no part of our present invention will not be further described herein except incidentally in describing the invention.

The snares 21 are stretched over a head 22 of the drum in substantially the usual relation thereto except that by means of our improved attachments, while they extend completely across the head, they are enabled to terminate just inside of the drum-hoop and do not pass through said hoop, as has been common. At one end these snares are threaded into a perforated cross-bar 31, (see Figs. 6 and 4,) carried by arms 32 on the main body 35 of the snare-holder, and pass thence around a suitable bar 33, which is preferably in the form of a grooved roller and is mounted on a shaft or axle 34. The grooves in this roller hold the snares just the desired distance apart, and the roller (being free to revolve on the axle 34) does not impede the straining of the snares. The bar 31 is removable, so that all the snares can first be threaded into the perforations therein, (as best shown in Fig. 6,) and then said bar inserted and passed up through between the arms from behind and dropped into place, carrying all the snares properly connected thereto.

The arms 32 are constructed integrally with a main body portion 35, which is mounted (as by means of a suitable rod 36) on a stationary member 37, which in turn is secured to the drum-hoop 23 by suitable fastenings, as screws 24. A spring 38 is contained within a chamber formed by the parts 35 and 37 and surrounds the rod 36 and serves to hold the snare-holder body downwardly against the drumhead. It may be here remarked that this yielding quality of this and the other holder (the two holders being alike in this respect) enable the drumhead to be tightened and loosened in the ordinary manner without requiring any readjustment of the snares.

The snare-holder at the opposite ends of the snares is of the same general form as that just described, its parts 42, 43, 44, 45, 46, 47, and 48 being substantially duplicates of the parts 32, 33, 34, 35, 36, 37, and 38, just described, and it operates upon the snares in the same manner after the adjustments have been made. Instead of a bar 31, however, as a means of attaching the snares thereto we provide a pivoted clamp consisting of a lever-like member 41, pivotally secured to the arms 42, as by means of pivot 42′, and provided with a clamping-bar 41′, between which and the adjacent face of the lever member 41 the ends of the snares 21 are firmly secured and held by means of screws 40. A screw 50 is mounted in the upper end of this snare-holder and engages with (preferably by means of a pivoted nut 49) the upper end of the lever 41, and the tension of the snares is adjusted by the manipulation of this screw, as will be readily understood.

As is well known to persons familiar with such matters, it is desirable frequently to separate the snares from the drumhead in order that the drum may be used as a "tom-tom." It is also highly desirable that it should be capable of being restored to its original condition quickly and without dis-

turbing the tension of the snares. We therefore provide in connection with our snare-holder a ratchet 51 and a pawl 52, the latter of which is pivoted to the side of the barrel 45 by pivot 53 and is normally held into engagement with the ratchet by means of spring 54. We are therefore able to at once separate the snares from the drumhead, as shown in Fig. 2, by simply lifting the body 45 and the parts carried thereby, which of course compresses the spring 48. We preferably provide a handle 55 as the lifting means, although it is quite possible to lift it by means of the head of the screw 50 or otherwise. The pawl 52 will engage with the ratchet 51 and will hold the snares up out of contact with the drumhead as long as desired. When it is desired to restore this contact, it is only necessary to release the pawl from engagement, when the spring 48 will immediately restore the original contact and pressure without in any way disturbing the tension of the snares.

We claim as our invention—

1. The combination, of a drum, snare-holders carried thereby, one of said snare-holders comprising a portion movable toward and from the drumhead independent of the tension of the snares, and means for holding said part in either position.

2. The combination, of a drum, snare-holders mounted thereon, one of said snare-holders comprising a part movable toward and from the drumhead independent of the tension of the snares, means for holding said part in its different positions relative to the drumhead, and means carried by said movable part, independent of its adjusting means, for adjusting the tension of the snares.

3. A snare-holder composed of two parts, one of which is connected to the hoop of the drum, and the other of which is spring-mounted on said first-mentioned part, and capable of traveling bodily toward and from the face of the drumhead to accommodate the relative movements incident to manipulation of the drum.

4. A snare-holder composed of two parts, one part mounted to move longitudinally on the other, and a spring interposed between said parts.

5. The combination, with a snare-holder body having a snare-bar-receiving portion, of a removable snare-bar receivable in said receiving portion, and having two series of perforations through which the snares may be threaded, whereby the snares may be threaded through and doubled over said snare-bar and the bar thereafter associated with the receiving portion of the snare-holder body.

6. The combination, in a snare-holder, of the body thereof having a snare-bar-receiving portion, a removable snare-bar having two series of perforations through which the snares may be threaded, whereby the snares may be threaded through the snare-bar, and the snare-bar thereafter associated with the receiving portion of the snare-holder body, and a grooved roller journaled on the snare-holder body and around which the snares may be passed.

7. The combination, of a drum, a snare, and a snare-holder, said snare-holder being composed of a fixed part, a movable part, a spring interposed between said two parts, a ratchet on one part, and a pawl on the other part.

8. The combination, in a snare-holder for drums, of the snare-holder body, a lever pivoted upon said body intermediate its ends, means carried by one end of said lever for holding the snares, a nut swiveled on the other end of said lever, and a screw journaled in the snare-holder body, and threaded through the swiveled nut, whereby said lever may be swung on its pivot to adjust the tension of the snares.

9. The combination, with a drum and its snares, of a pair of movable holders for the opposite ends of said snares, means for normally yieldingly urging said holders toward the drumhead, and means independent of the snares for holding one of said holders away from the drumhead in opposition to its urging means.

10. The combination, with a drum and its snares, of a holder for one end of said snares movable toward and from the snared head, means for normally yieldingly urging said holder toward the snared head, and means independent of the snares for holding the holder away from the snared head in opposition to said urging means.

11. The combination, with a drum and its snares, of a holder for one end of said snares movable bodily toward and from the snared head, and means independent of the snares for holding said holder in position to keep one end of the snares out of engagement with the snared head.

12. The combination, with a drum and its snares, of a holder for one end of said snares movable bodily toward and from the snared head, means for normally urging said holder toward the snared head, and means for preventing said urging means from causing engagement of the holder and of the snares with said head.

In witness whereof we have hereunto set our hands and seals, at Indianapolis, Indiana, this 9th day of November, A. D. 1905.

ULYSSES G. LEEDY. [L. S.]
CHARLES B. WANAMAKER. [L. S.]

Witnesses:
CHESTER BRADFORD,
JAMES A. WALSH.