No. 641,901. Patented Jan. 23, 1900.

A. G. SOISTMANN.

DRUM.

(Application filed Sept. 11, 1899.)

(No Model.)

FIG. 1.

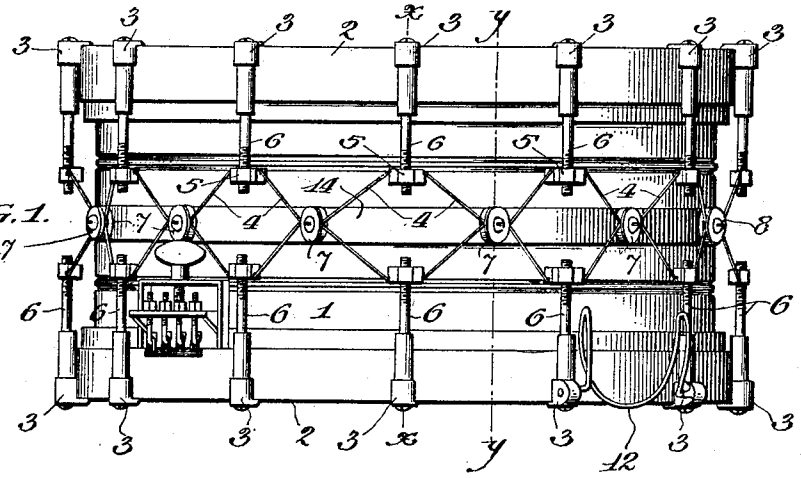


FIG. 2.

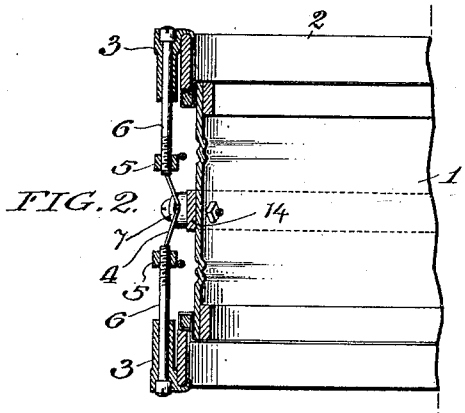


FIG. 3.

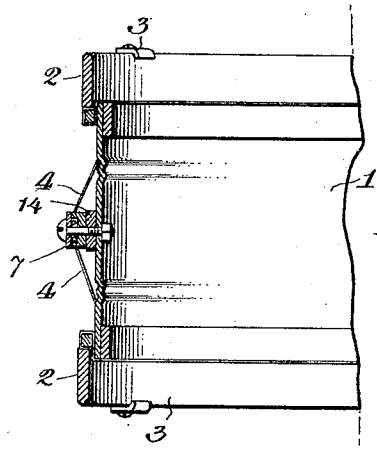


FIG. 7.

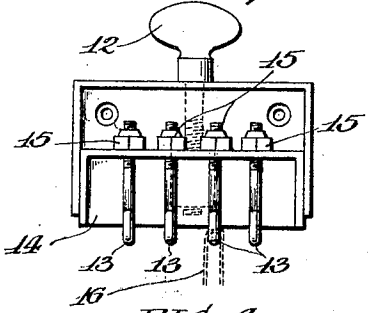


FIG. 5.

FIG. 6.

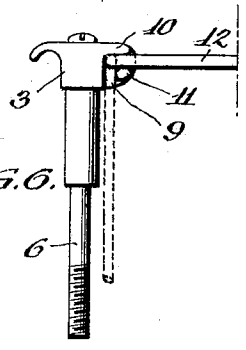
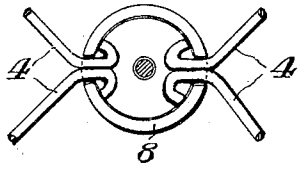


FIG. 4.



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DRUM.

SPECIFICATION forming part of Letters Patent No. 641,901, dated January 23, 1900.

Application filed September 11, 1899. Serial No. 730,079. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH G. SOISTMANN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Drum, of which the following is a specification.

My invention comprises novel means for adjusting the tension of the heads and novel means for adjusting the tension of the snare and also the knee-rest.

Figure 1 represents a side elevation of a drum embodying my invention. Fig. 2 represents a vertical section of a portion thereof on the line *x x* of Fig. 1. Fig. 3 represents a vertical section on line *y y* of Fig. 1. Fig. 4 is a plan view of the apertured head for holding the extremities of the cords with the top plate removed. Fig. 5 is a top view of the threaded lugs 5, showing the disposition of the wires with respect to the straining-bolts 6. Fig. 6 is a perspective view of one of the pair of straining-hooks 3 adapted to carry the knee-rest, showing a portion of the knee-rest 12 in operative position, the dotted lines indicating the closed position. Fig. 7 is a view of the snare-adjusting means. Fig. 8 is a plan view of the slotted button 7 with the top plate removed.

Similar numerals refer to similar parts throughout the several views.

Referring to the drawings, 1 designates the drum-body. 2 indicates the hoops which secure the heads upon the ends of same.

3 indicates the straining-hooks which engage the hoops and by means of the cord 4 and the adjustable slotted nuts or lugs 5 serve to secure the proper tension of the hoops upon the heads. The slotted lugs 5 are connected with the hooks 3 by the threaded bolts 6, which turn freely in the hooks 3 to secure proper adjustment of the lugs 5 for the required tension of the cords 4. These cords meet between each pair of lugs and pass through the slotted buttons 7, which are secured to the middle portion of the drum. The two ends of each of the cords 4 are held in place by the apertured head 8, as shown in Fig. 4—that is, the ends of the cords, which in this case are metallic, but may be of any suitable material, are turned or provided with heads or knots which secure them within the recess of the head 8. The hoop 14, which surrounds the body of the drum, serves as an additional brace for the same and as a support for the slotted cord-buttons 7 and the apertured head 8.

The slots in lug 5 for the reception of the cords 4 are divergent, as shown in Fig. 5, which causes the cords to pass around the bolt 6, so that the strain of said cords will be exerted from diametrically opposite sides of the center of said bolt 6 instead of from the rear side thereof, as has been hitherto practiced.

Two of the straining-hooks 3, constructed in the manner shown in Fig. 6, each have a lug 9 on the back of the same, with a perforation therein, and the two projections 10 and 11, for the following purpose: In these lugs 9 are inserted the two ends of the knee-rest 12. The projections 10 serve to limit the upward movement of the knee-rest 12 when the same is in the operative position. The projection 11 serves to normally maintain said knee-rest in said operative position, as shown in Fig. 6, but is so disposed that by the application of force to the knee-rest, owing to its resiliency, the same may be sprung over the projection 11 into the closed position, as indicated in dotted lines in Fig. 6, and when the same has been sprung to said closed position to be normally so maintained by said projection 11 until force is again applied to said knee-rest.

My improved snare-adjusting device is so constructed and disposed as to secure independent tension and adjustment for each strand 16 of the snare. These independent adjusting means consist of separate hooks 13, swiveled through an adjustable supporting member 14 and adjustably secured thereto by the nuts 15, threaded upon the ends of said hooks. These independent adjusting means may either be mounted upon a fixed supporting member secured to the body of the drum or may be mounted upon an adjustable supporting member 14, as shown in Fig. 7, adjustably secured to the drum and operated by the thumb-screw 12, so that after the proper

independent adjustment of each strand 16 the entire snare may be adjusted by the thumb-screw 12.

What I claim is—

1. In combination with a drum, a straining-cord, straining-bolts and adjustable nuts thereon, as means for adjusting the tension of the head, slots in said adjustable nuts for receiving the straining-cord semisurrounding the bolts and delivering on diametrically opposite sides thereof.

2. In combination with a drum, a straining-cord, a straining-bolt and a nut threaded thereon having a slot for the reception of the straining-cord semisurrounding the bolt and delivering upon diametrically opposite sides thereof.

3. In combination with a drum and adjusting means, a straining-cord with knotted or enlarged ends and a hollow head secured to the body of the drum and adapted to receive and securely hold said knotted or enlarged ends of the straining-cords.

4. In a drum the combination of a cylinder, heads and head-hoops, straining-bolts, cord-buttons and a straining-cord to coöperate therewith, and a hoop surrounding the cylinder as a brace for the same and as a support for the securing-heads of the cord-buttons.

5. In combination with a drum having cords and straining-hooks for tension adjustment, a folding knee-rest and outwardly-projecting apertured lugs upon two neighboring straining-hooks for rotatably securing the ends of the knee-rest, having projections thereon for limiting the movement of the knee-rest and for normally maintaining the same in the open or closed position as desired.

6. In a snare-drum the combination with the snare of independently-adjustable means for tightening each strand of the snare, substantially as described.

7. In a snare-drum the combination with a snare of independent means for adjusting each strand of the snare, a yoke for securing the independently-adjustable means and manually-operative means for adjusting the yoke.

8. In combination with a snare-drum, means for the independent adjustment of the different strands of the snare and means for the adjustment of all the strands of the snare together.

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