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W. E. SODERBERG

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SNARE DRUM

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Fig. 1.

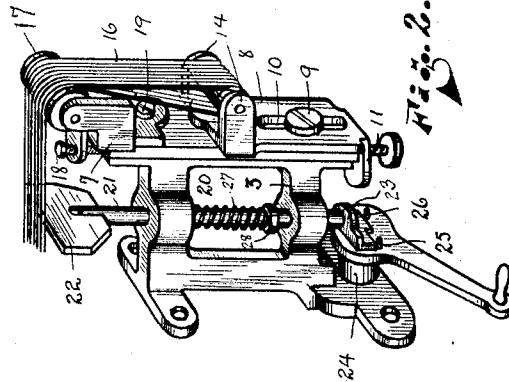


Fig. 2.

Inventor

WALTER E. SODERBERG
Geo. Stevens.
Attorney

UNITED STATES PATENT OFFICE

WALTER E. SODERBERG, OF DULUTH, MINNESOTA, ASSIGNOR TO HENRY H. SLINGERLAND, OF CHICAGO, ILLINOIS

SNARE DRUM

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This invention relates to snare drums and has special reference to a novel means for supporting and adjusting the snares of a drum.

The principal object is to provide a more efficient device of this character than heretofore known.

Another object is that of convenient and delicate adjustment of the snares in relation to the head as well as the tension thereof.

Other objects and advantages will appear in the further description of the invention.

Referring now to the accompanying drawing, forming part of this application and in which like reference characters indicate like parts:

Figure 1 is a vertical central section, partly in elevation, of a snare drum equipped with the improved snare attachment; and

Figure 2 is a perspective view of one of the snare supporting brackets.

1 represents the head of the drum and 2 the circumferential wall thereof upon opposite sides of which are fixed in any desired manner the snare supporting brackets 3; their relative position both to the drum and themselves being uniformly sustained by the installation of the rod 4 extending diametrically of the drum. This rod, however, may be dispensed with provided the drum construction is sufficiently rigid to properly sustain the brackets. Spaced beneath the rod 4 and parallel therewith, transverse the drum, is the rotatable shaft 5, it being mounted within the lower ends of the brackets 3 and operable manually from beneath one of said brackets, as for example by the crank 6. The brackets 3 are of metal and extend some considerable distance outboard of the drum, each carrying upon their outermost corners thereof auxiliary adjustable brackets 7 and 8. The latter brackets are each held in position by a screw 9 mounted within the bracket 3, and extending through a slotted hole 10 in the body portion of the bracket; the lower end of the latter being formed in L-shape as at 11 and through which extends the adjusting screw 12, it being rotatably fixed as at 13 within the bracket 3. This adjusting screw 12 is screw-threadedly mounted within the

L-extension 11 of the bracket 8 so that by turning of the screw the bracket 8 is vertically slidably adjusted on the bracket 3 and as before inferred may be held in any desired position by the set screw 9.

The upper end of each bracket 8 is provided with an outward extension 14 in which is rotatably mounted the grooved roller 15 about which the snare string 16 is mounted.

The auxiliary brackets 7 have mounted therein smooth rollers 17 over which the snares are reeved, and these brackets are each adjustable vertically by means of a suitable screw 18 operable preferably by a screw driver between the strands of the snare string 16, and permanently held in any adjusted position by the set screws 19, similar to the screws 9.

Each bracket 3 is provided with a rectangularly shaped opening indicated at 20 through which is vertically extended an adjustable rod 21, carrying upon its upper end a transversely disposed bridge 22 and upon its lower end an angle shoe 23, one side of which bears against the face of the hub 24 which is keyed, one to each end of the shaft 5. There are protruding from the face of each hub 24 two spaced pins 25 and 26 which engage the lower edge of the angle shoe 23 so that when the shaft 5 is rocked by, for example, raising the crank arm 6, the pin 25 engages the lower end of the angle bracket 23 and lifts same, simultaneously raising the rod 21, such action bringing the bridge 22 on the rod 21 into engagement with the under side of the snares, this operation as is obvious occurring simultaneously in both brackets due to the rotation of the shaft 5, the cooperating elements in either end thereof being identical.

In this manner it is evident that the snares may be raised or lowered as desired for regulation of the action in connection with the drum, and, by the adjustment of the brackets 7, the relative position of the snares whether muffled or not may be further controlled in the moderation of sound, the same being essential as is well known by those skilled in the art in respect to atmospheric conditions which effect the sound of such an instrument.

By the adjustment of the lower brackets 8

the tension of the snares is accomplished as desired.

The pin 26 simply functions when the lever 6 is dropped to its lowermost position in that the same tends to hold the lever in such position by cooperative action with the pin 26 upon the lower edge thereof, said edge being stepped as clearly illustrated in Figure 2 so as to predetermine the throw of the lever 6 by the pin 25 engaging such stepped termination.

At 27 is illustrated an expansive helical spring mounted upon the rods 21, each rod having a collar 28 fixed thereabouts below the spring, the latter acting to hold the rods normally downward in their depressed position.

The snare string or gut 16 is preferably of one continuous piece looped at one end about the roller 15 and at the opposite end to the like roller on the opposite side of the drum, and any number of strands transverse the drum may be used as desired.

It is evident from the foregoing that I have devised a simple and efficient means for supporting, outboard thereof, the snares of a drum, such means being exceedingly delicate of adjustment whereby the tone of the drum may be regulated.

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

1. The combination with a drum of the character described, of snare supporting brackets upon opposite sides of the drum each comprising a vertically adjustable roller supported by each bracket over which the snare is positioned, and a second vertically adjustable roller spaced beneath the first mentioned roller on each bracket for regulating the tension of the snares, both pairs of snare supporting rollers being spaced outboard of the circumferential edge of the drum.

2. The combination with a drum, of means upon opposite sides of the head thereof carrying snare supporting elements spaced from the circumferential edge of the head, snares supported upon said means, muffling means carried by the first mentioned means intermediate of the snare supporting elements and the drum, and single manually controlled means for simultaneously operating both mufflers.

3. A snare supporting bracket of the character described having means upon the upper corner of one side thereof for engagement with a suitable support, vertically adjustable means supported by the bracket for raising and lowering a snare, means upon the outermost side of the bracket for controlling the tension of a snare, and means upon the lower corner of the first mentioned side of the bracket for control of the snare raising and lowering means.

4. The combination with a drum and its snare, of snare supporting brackets fixed to

the sides of the drum in diametrically opposite relation to each other, vertically adjustable snare muffling means supported by each bracket, and manually controlled means for simultaneously operating both muffling means.

5. The combination with a drum and its snare, of snare supporting brackets fixed to the sides of the drum, adjustable snare muffling means supported by each bracket, and manually operable rockable means extending diametrically through said drum to adjust each muffling means for causing the same to simultaneously function.

6. The combination with a drum and its snare, of snare supporting brackets fixed to the sides of the drum, adjustable snare muffling means supported by each bracket, a shaft extending through said drum to adjust each muffling means, means upon either end of the shaft for causing the muffling means to function, and a lever fixed to one end of said shaft for rocking same.

In testimony whereof I affix my signature.
WALTER E. SODERBERG.