

No. 775,712.

PATENTED NOV. 22, 1904.

E. T. TURNEY.  
SNARE STRAINER FOR DRUMS.

APPLICATION FILED JULY 28, 1904.

NO MODEL.

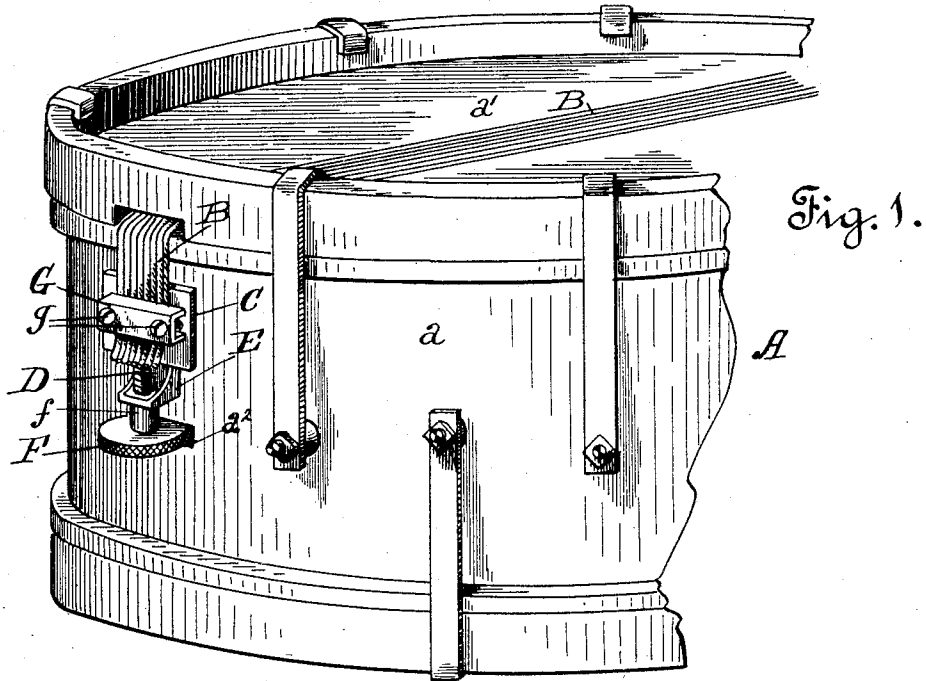


Fig. 1.

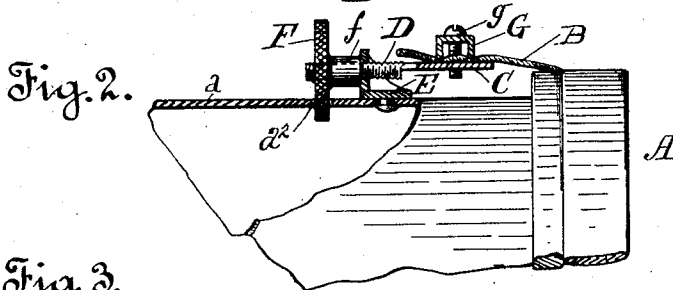


Fig. 2.



Fig. 3.

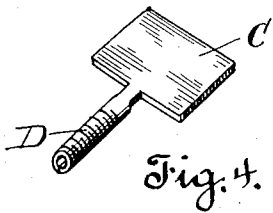


Fig. 4.



Fig. 5.



Fig. 6.

Witnesses.

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# UNITED STATES PATENT OFFICE.

EUGENE T. TURNEY, OF SAN RAFAEL, CALIFORNIA, ASSIGNOR TO KOHLER & CHASE, OF SAN FRANCISCO, CALIFORNIA, A CORPORATION OF CALIFORNIA.

## SNARE-STRAINER FOR DRUMS.

SPECIFICATION forming part of Letters Patent No. 775,712, dated November 22, 1904.

Application filed July 28, 1904. Serial No. 218,491. (No model.)

*To all whom it may concern:*

Be it known that I, EUGENE T. TURNEY, a citizen of the United States, residing at San Rafael, Marin county, State of California, have invented certain new and useful Improvements in Snare-Strainers for Drums; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to the class of strain-ers for the snares of drums.

The objects of my invention are to increase the effectiveness and to cheapen the cost of said strainers.

To these ends my invention consists in the novel construction of the snare-strainer and the combinations and arrangement of its parts, which I shall now fully describe by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of my snare-strainer, showing it applied to the drum. Fig. 2 is a sectional view of the same. Fig. 3 is a view showing the blank from which the best form of gripper head-plate and screw-stem is made. Fig. 4 is a perspective view of the integral gripper head-plate and screw-stem formed from the blank of Fig. 3. Fig. 5 is a view of the blank from which the gripper clamp-plate in its best form is made. Fig. 6 is a perspective view of the gripper clamp-plate, formed from the blank of Fig. 5.

Referring to Figs. 1 and 2, A is a portion of a drum, of which *a* designates the shell and *a'* the head or skin. B represents the snares, passing across the head, as usual. C is the gripper head-plate and D is its screw-stem. E is a bracket fixed to the drum-shell. Through this bracket the end of the screw-stem D plays, and said end receives the nut *f*, the thumb-wheel F of which plays through a slot *a''* in the shell. The nut *f* bears against the bracket E. By rotating the wheel F the screw-stem D is drawn to strain the snares B, the ends of which are clamped to the gripper head-plate C by the gripper clamp-plate G, which is secured to said head-plate by the screws *g*. The snare ends pass between the clamp-plate G and head-plate C and are held by the pressure of the two.

The best construction of the head-plate C

and the screw-stem D is shown in Figs. 3 and 4. A metallic blank of the contour of Fig. 3, in which C represents the head portion and D the stem portion, is formed by suitable means into the shape shown in Fig. 4, in which the stem portion is bent up to a hollow cylindrical form and has screw-threads made upon it. The head-plate C and screw-stem D are thus made integral, which avoids the extra work of soldering or otherwise connecting separate parts, resulting both in economy and in strength.

The clamp-plate G instead of being, as heretofore, a solid bar is best formed from the metallic blank (shown in Fig. 5) by being bent on the dotted lines to the three-sided angular or channeled form. (Shown in Fig. 6.) This is also economical, requiring less metal consistent with strength, and in addition is more effective in that its clamping edges, which are the edges of its sides, are truer and surer in grip than the plain surface of the ordinary solid bar.

The thumb-wheel nut *f*, both by reason of its construction and its position, is adapted to be readily operated from the exterior of the drum, so that the straining may be done with ease and precision.

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

1. A snare-strainer for drums comprising a gripper for engaging the snare ends, a screw-stem projecting from said gripper, a fixed bracket on the drum through which the screw-stem end plays, a nut seated on the screw-stem end and bearing against the bracket and a thumb-wheel carrying the nut and playing through a slot in the drum-shell.

2. A snare-strainer for drums comprising a head-plate and a clamp-plate secured thereto to form a gripper for engaging the snare ends, a screw-stem projecting from said head-plate, a fixed bracket on the drum through which the screw-stem end plays, a nut seated on the screw-stem end and bearing against the bracket and a thumb-wheel carrying the nut and playing through a slot in the drum-shell.

3. A snare-strainer for drums comprising a

head-plate and a hollow cylindrical screw-stem integral therewith, said plate and stem being formed from a single blank, a clamp-plate secured to said head-plate and adapted to grip  
 5 the snare ends between itself and said head-plate, and a means engaging the screw-stem for drawing it, to strain the snares.

4. A snare-strainer for drums comprising a  
 10 head-plate and a hollow cylindrical screw-stem integral therewith, said plate and stem being formed from a single blank, a clamp-plate secured to said head-plate, and adapted to grip the snare ends between itself and said head-plate, a thumb-nut on the screw-stem, and a  
 15 fixed bearing on the drum for said nut.

5. A snare-strainer for drums comprising a head-plate, a screw-stem projecting therefrom, a clamp-plate secured to said head-plate, and adapted to grip the snare ends between itself  
 20 and said head-plate, said clamp-plate consisting of channeled metal disposed with the edges of its sides against the snares, and a means engaging the screw-stem for drawing it, to strain the snares.

25 6. A snare-strainer for drums comprising a head-plate, a screw-stem projecting therefrom, a clamp-plate secured to said head-plate, and adapted to grip the snare ends between itself and said head-plate, said clamp-plate consist-  
 30 ing of channeled metal disposed with the edges

of its sides against the snares, a thumb-nut on the screw-stem, and a fixed bearing on the drum for said nut.

7. A snare-strainer for drums comprising a head-plate and a hollow cylindrical screw-stem  
 35 integral therewith, said plate and stem being formed from a single blank, a clamp-plate secured to said head-plate, and adapted to grip the snare ends between itself and said head-plate, said clamp-plate consisting of channeled  
 40 metal disposed with the edges of its sides against the snares, and a means engaging the screw-stem for drawing it, to strain the snares.

8. A snare-strainer for drums comprising a head-plate and a hollow cylindrical screw-stem  
 45 integral therewith, said plate and stem being formed from a single blank, a clamp-plate secured to said head-plate, and adapted to grip the snare ends between itself and said head-plate, said clamp-plate consisting of channeled  
 50 metal disposed with the edges of its sides against the snares, a thumb-nut on the screw-stem, and a fixed bearing on the drum for said nut.

In witness whereof I have hereunto set my  
 55 hand.

EUGENE T. TURNEY.

Witnesses:

WALTER F. VANE,  
 D. B. RICHARDS.