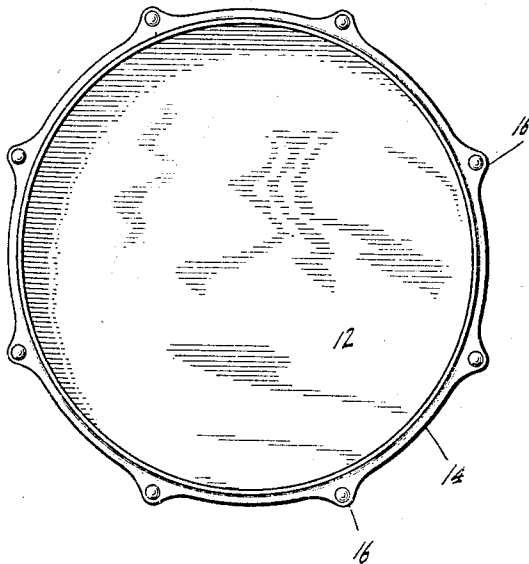


C. B. WANAMAKER.  
 DRUM.  
 APPLICATION FILED NOV. 15, 1911.

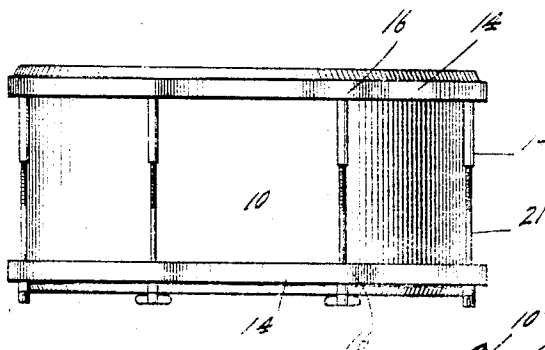
1,031,032.

Patented July 2, 1912

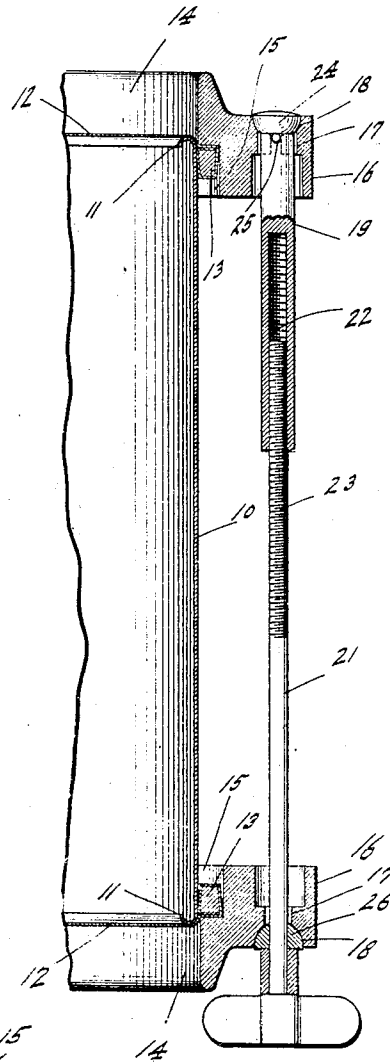
*Fig. 1.*



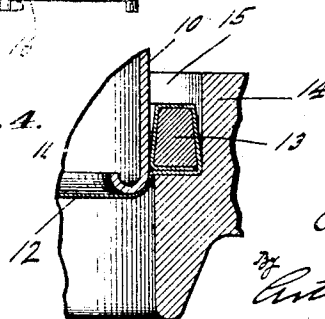
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses  
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 by  
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 Attorney

# UNITED STATES PATENT OFFICE.

CHARLES BENJAMIN WANAMAKER, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO LEEDEY MANUFACTURING COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

## DRUM.

1,031,032.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed November 15, 1911. Serial No. 369,412.

*To all whom it may concern:*

Be it known that I, CHARLES B. WANAMAKER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Drum, of which the following is a specification.

In the manufacture of drums heretofore it has been a common practice to adjust the "flesh hoop" longitudinally of the shell by means of hooked clamping rods acting upon two hoops having the same thickness and diameter as the flesh hoops and, owing to the fact that these hoops become distorted either permanently or temporarily by unskilled manipulation of the clamping rods, the flesh hoops are many times twisted upon the shell in such manner as to deaden the sound of the drum and to deaden the reaction of the heads upon the sticks and snares.

The object of my present invention is, therefore, to produce a drum construction in which these difficulties shall be obviated, thereby producing a drum having a much more "brilliant" tone than has heretofore been attainable.

The accompanying drawings illustrate my invention.

Figure 1 is a plan of a drum constructed in accordance with my invention; Fig. 2, a side elevation; Fig. 3, a fragmentary axial section on a larger scale, and Fig. 4, a fragmentary detail of the portion shown in Fig. 3.

In the drawings, 10 indicates the shell of the drum which I prefer to form of thin stiff metal having its ends inwardly and downwardly rolled at 11 so as to form a smooth annular support for the head or "flesh" 12. The flesh is wrapped around the usual flesh hoop 13 in the usual manner.

Instead of the ordinary hoops, however, I provide a hoop 14 L-shaped in cross section so that there is formed an annular rabbet or pocket 15 in which the flesh hoop 13 is freely seated. Each hoop 14 is provided with radially extending ears 16 provided with a perforation 17 parallel to the axis of the hoop. Each perforation 17 at its outer end

is provided with a hemispherical seat 18. The two hoops are drawn toward each other by a combined clamping rod comprising a tubular section 19 and a cooperating section 21. Section 19 is internally threaded at 22 to receive the threaded portion 23 of rod 21. Section 19 is also provided with a hemispherical head 24 adapted to seat in one of the seats 18 and with a cross pin 25 seating in receiving notches formed in the bottom of seat 18 so as to prevent rotation of the member 19. Rod 21 passes freely through a hemispherical washer 26 seated in the aligned pocket 18 of the opposite hoop 14. Hoops 14, by reason of their form, are very rigid and not readily distorted and in practice I find it advisable to make them of a light metal such as aluminum.

After many years of drum manufacture, and a thorough familiarity with existing types of drums, I find by actual experience that, with a drum constructed as above described, I have been able to obtain a tone which is much more brilliant, penetrating and sonorous than heretofore obtainable with other drum structures.

I claim as my invention:

In a drum, the combination with the main shell, heads and flesh hoops, of clamping hoops each provided upon its inner corner with an annular rabbet of sufficient width and depth to receive freely the adjacent flesh hoop and said clamping hoops being of sufficient radial extent so that they may be and are provided with a number of perforations substantially parallel to the drum axis, and clamping means for drawing said hoops together, said clamping means extending through said axially perforated hoops and having a universal joint connection therewith.

In witness whereof, I, have hereunto set my hand and seal at Indianapolis, Indiana, this eighth day of November, A. D. one thousand nine hundred and eleven.

CHARLES BENJAMIN WANAMAKER. [L. S.]  
Witnesses:

ARTHUR M. HOOD,  
MAY LAYDEN.