No. 704,289.

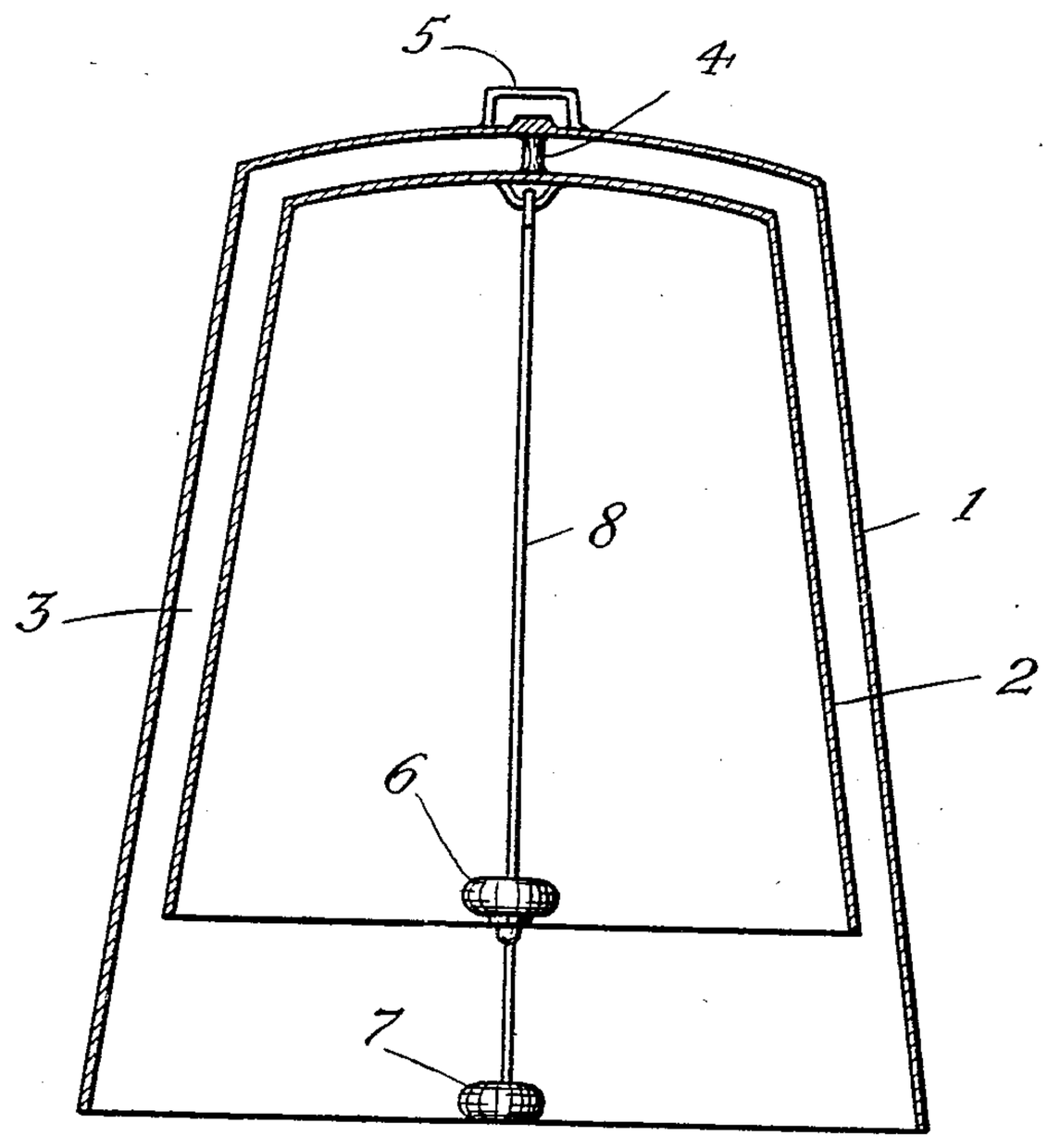
Patented July 8, 1902.

W. B. AUGIR.

BELL.

(Application filed Mar. 11, 1902.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

WAYLAND B. AUGIR, OF DEERHARBOR, WASHINGTON.

BELL.

SPECIFICATION forming part of Letters Patent No. 704,289, dated July 8, 1902.

Application filed March 11, 1902. Serial No. 97,702. (No model.)

To all whom it may concern:

Be it known that I, WAYLAND B. AUGIR, a citizen of the United States, residing at Deerharbor, county of San Juan, and State of Washington, have invented certain new and useful Improvements in Bells, of which the following is a specification.

My invention relates to bells of the class in which the sounding is effected by means of swinging clappers, and particularly to the cow-bell type of bells.

The primary purpose of the invention is to make the bells sufficiently variant in tone to render their sounds readily distinguishable. Cow-bells of ordinary construction have a dull heavy tone that is so nearly the same in different bells as to make it usually difficult and sometimes impossible to distinguish the sound of one from another. Hence herdsmen are often unable to locate their cattle or distinguish them from others by means of the sounds of the bells they carry.

It is the principal object of the present improvement to provide cow-bells of such construction that different cattle-owners may adopt for their cattle bells having a distinctive sound.

The improvement, stated in a general way, consists in a plurality of concentric bells of similar form rigidly connected together at the top and provided with the requisite swinging clappers.

My improvements are illustrated in the accompanying drawing, in which the figure is a central vertical section of a bell embodying my improvement and composed of two concentric members.

In the drawing, 1 and 2 designate, respectively, outer and inner concentric bells of like rounded oblong shape similar to the ordinary cow-bell and which are separated at the sides and top by a suitable space 3. The bells are rigidly secured together centrally at the top by a stud or connection 4, and the outer bell is provided with the usual loop 5 for suspending it. The clappers 6 and 7 are suspended by a rod 8, that has a loose connection at the top to permit it to swing freely. This rod may be continuous or rigid from its upper end to the lower clapper, or the latter may be suspended by a supplemental rod that is loosely connected at the under side of the upper clapper—that is to say, the clappers may be arranged to strike the bells simultaneously or in succession.

The difference in the size of the bells in itself makes them of somewhat different tone, and the tone may be further varied and regulated by the difference in thickness of the metal. The two or more bells may be attuned to each other in diatonic or harmonic succession, or their tones may be discordant, if desired.

While my improvement has been referred to in connection with cow-bells only, bells constructed upon the same principle may be used for other purposes.

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

1. A plurality of concentric bells connected centrally at the top and having suitable spaces between them, and interior swinging clappers for sounding them, substantially as set forth.

2. The combination of a plurality of bells of different heights and diameters secured together at their tops one within another, and clappers suspended therein for sounding them, substantially as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 6th day of March, 1902.

WAYLAND B. AUGIR.

Witnesses:
P. H. GUNCKEL,
M. F. HARRISON.