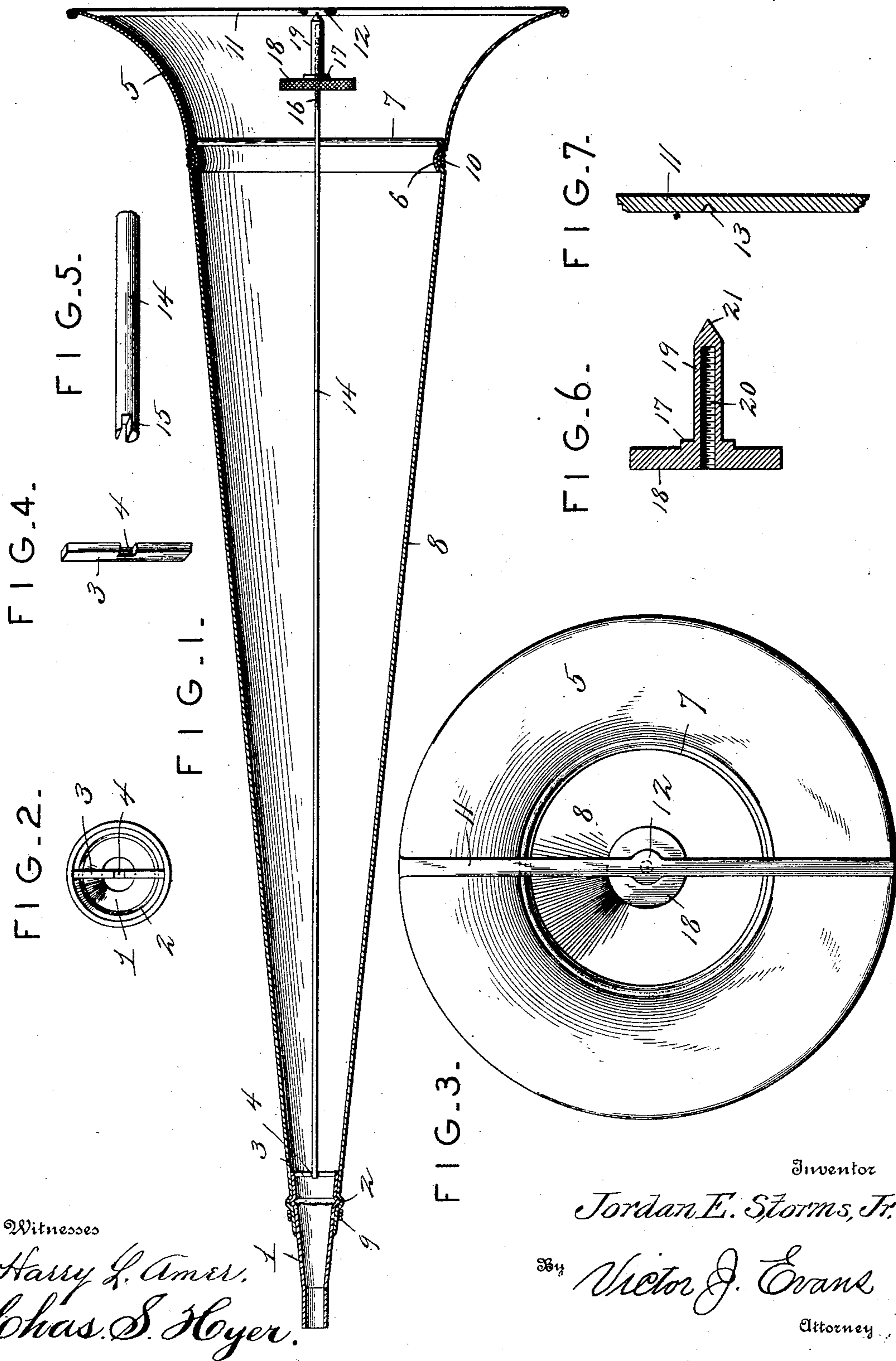


J. E. STORMS, JR.

COLLAPSIBLE PHONOGRAPH HORN OR MEGAPHONE.

(Application filed Aug. 19, 1902.)

(No Model.)



Witnesses

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JORDAN E. STORMS, JR., OF YONKERS, NEW YORK.

COLLAPSIBLE PHONOGRAPH HORN OR MEGAPHONE.

SPECIFICATION forming part of Letters Patent No. 714,620, dated November 25, 1902.

Application filed August 19, 1902. Serial No. 120,240. (No model.)

To all whom it may concern:

Be it known that I, JORDAN E. STORMS, Jr., a citizen of the United States, residing at Yonkers, in the county of Westchester and State of New York, have invented new and useful Improvements in Collapsible Phonograph Horns or Megaphones, of which the following is a specification.

This invention relates to a collapsible phonograph horn and megaphone, and the purpose of the same is to provide a device of this class which may be reduced to compact form for convenience in transporting it from one place to another or for storing it when not in use and capable of ready distension or arrangement in shape for use.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a longitudinal vertical section of a phonograph horn or megaphone embodying the features of the invention. Fig. 2 is a front end elevation of the rear end member of the improved device. Fig. 3 is a front elevation of the mouth or bell end of the horn or megaphone. Fig. 4 is a detail perspective view of a holding-bar carried by the rear end member of the device for engagement with the rear terminal of an expanding-rod. Fig. 5 is a detail perspective view of the rear extremity of the expanding-rod. Fig. 6 is a longitudinal vertical section of a tension-screw for the expanding-rod. Fig. 7 is a section through a brace carried by the mouth or bell end of the improved device, showing a socket therein for the reception of the point of the tension-screw.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates the rear end member, formed of metal and simulating in contour the attaching end of the ordinary phonograph-horn or the mouthpiece of a megaphone. This member 1 is formed with an outstruck circumferential bead 2 near the front end thereof, and extending diametrically across the said front end is a holding-bar 3, having a slot 4 in the center thereof opening out toward the front. The improved de-

vice also comprises a flared mouth or bell 5, formed of metal and having its rear terminal constructed with a circumferential groove 6, a strengthening-rib 7 being located in the mouth or bell 5 adjacent to the groove 6 and of circular form to stiffen the said mouth or bell and hold the latter in proper shape. The body 8 of the improved horn or megaphone is constructed of leather or other suitable material and shaped so that it will flare toward its front extremity. This body 8 is tubular, as will be readily understood, and the rear extremity thereof is drawn over the front end of the member 1 and secured to the latter by a winding 9, of cord or wire, applied over the rear extremity of the body in rear of the bead 2. The front end of the body 8 is secured to the mouth or bell 5 by a winding 10, of cord or wire, applied thereover and forcing it into the groove 6, and the parts are so proportioned that the body 8, together with the member 1, may be collapsed and pressed into and held by the mouth or bell 5.

Extending diametrically across the front of the mouth or bell 5 is a brace-bar 11, having a central enlargement 12 with a socket 13 in the rear thereof, as clearly shown by Fig. 7, the said brace-bar acting to stiffen the mouth or bell 5, and also has an engaging means for an expanding device to hold the improved horn or megaphone distended and in shape while in use. The expanding device consists of a rod 14, having a slot 15 in its rear end, as clearly shown by Fig. 5, to fit in the central slot 4 of the holding-bar 3. The front extremity of the expanding-rod 14 is formed with screw-threads 16, and adjustably mounted on the said front end of the expanding-rod is a tension-screw 17, having a rear head 18 with a milled edge, from which a center projection 19 extends forwardly. The projection 19 has a longitudinally-screw-threaded socket 20 formed therein, which also passes through the center of the head 18, and the front end of the said projection 19 is tapered to form a point 21 to engage the socket 13 in the center of the brace-bar 11.

In applying the rod 14 to distend the horn or megaphone the rear slotted end thereof is fitted to the bar 3, the tension-screw 17 being turned far enough rearward on the rod to be

clear of the brace-bar 11. The said tension-screw is then adjusted on the bar to bring the point 21 of the projection 19 in firm engagement with the socket 13, and by adjusting
 5 the screw 17 the tension exerted on the body 8 may be regulated. The rod 14 when applied as set forth and shown by Fig. 1 gives the improved device sufficient rigidity to cause it to remain in proper shape during use; but
 10 when it is desired to dispense with the use of the device the tension-screw 17 is run backwardly on the rod 14 and the latter detached and drawn outwardly from the body and mouth or bell. The body 8, as well as the
 15 member 1, can then be collapsed and pressed into the mouth or bell, and thus reduce the improved horn or megaphone to a small compass for convenience in storage or transportation.
 20 It is obvious that changes in the proportions, dimensions, and minor details may be resorted to without in the least departing from the principle of the invention.

Having thus fully described the invention,
 25 what is claimed as new is—

1. In a device of the class set forth, the combination of a rear end member, a bell, a collapsible body terminally connected to said member and bell, and means removably extending longitudinally through the body and
 30 bell and engaging the rear member for holding said body distended.

2. In a device of the class set forth, the combination of a rigid bell and rear member, a
 35 collapsible body connected to the said bell and member, and an expanding-rod longitu-

dinally disposed in the said body and engaging a portion of the bell.

3. In a device of the class set forth, the combination of a rigid bell and rear member, a
 40 collapsible body connected to said bell and member, an expanding-rod extending through the body and a portion of the bell, and a tension-screw on the front extremity of the rod for engaging a part of the bell.

4. In a device of the class set forth, the combination of a rear attaching member, a bell, the member and bell being rigid, a collapsible body connected to said member and bell, and expanding means removably mounted
 50 within the body and bell and engaging the attaching member.

5. In a device of the class set forth, the combination of an attaching member having a holding-bar extending across its front end, a
 55 bell with a front diametrically-disposed brace having a central socket, a collapsible body connected to the attaching member and bell, an expanding-rod having a rear slotted end and a front screw-threaded extremity, and a
 60 tension-screw adjustably mounted on the front end of the expanding-rod and formed with a forward projection terminating in a point to engage the said socket, the rear end of the rod removably engaging the holding-
 65 bar of the attaching member.

In testimony whereof I affix my signature in presence of two witnesses.

JORDAN E. STORMS, JR.

Witnesses:

JOHN J. LENIHAN,

H. ALEX. HARTTUNG.