J. H. B. CONGER.

HORN CRANE.

APPLICATION FILED MAY 28, 1906.

924,635.

Patented June 15, 1909.

2 SHEETS—SHEET 1.

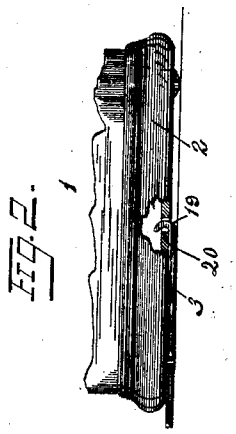

FIG. 2.

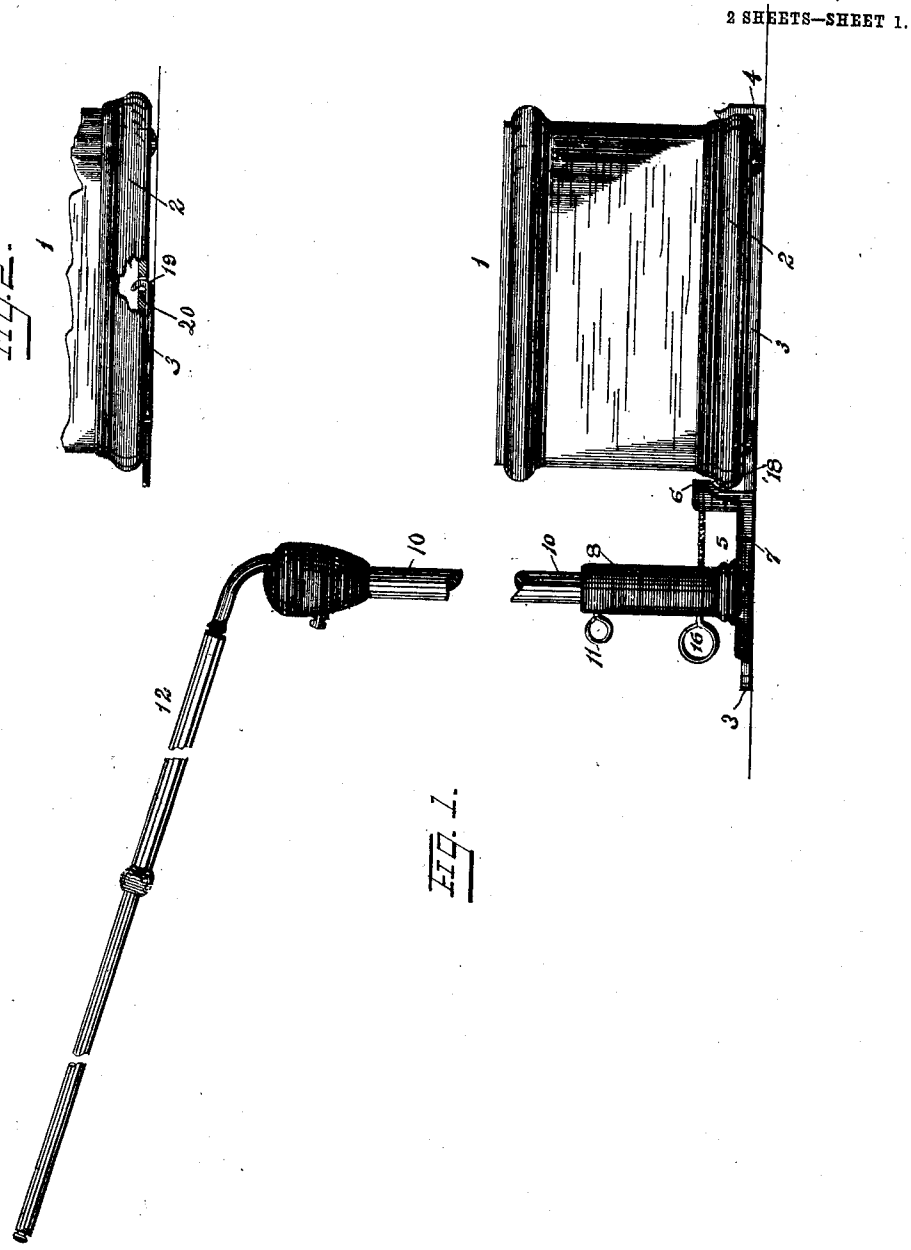

FIG. 1.

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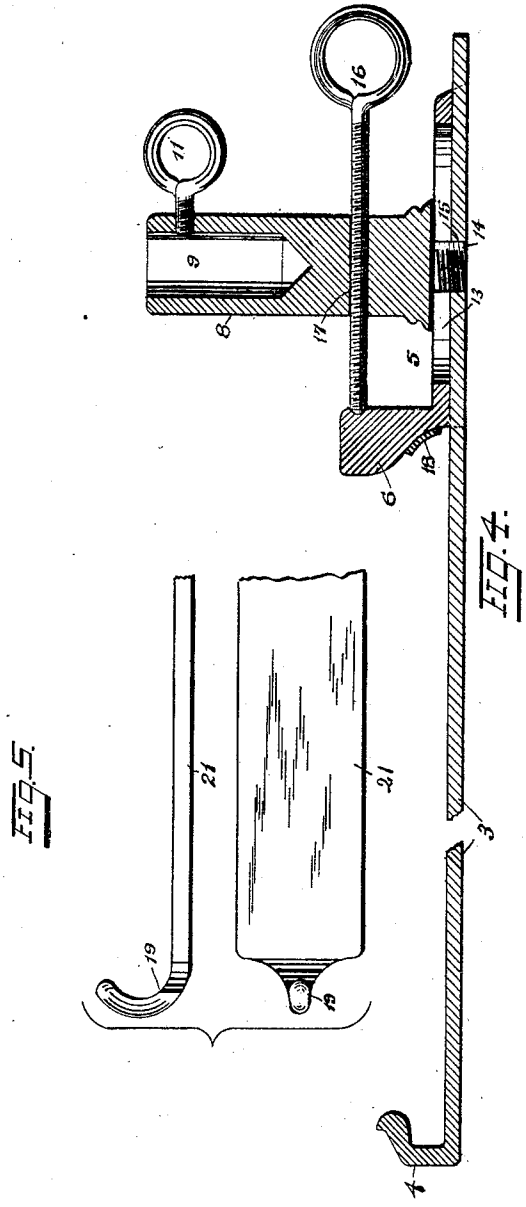

FIG. 4.

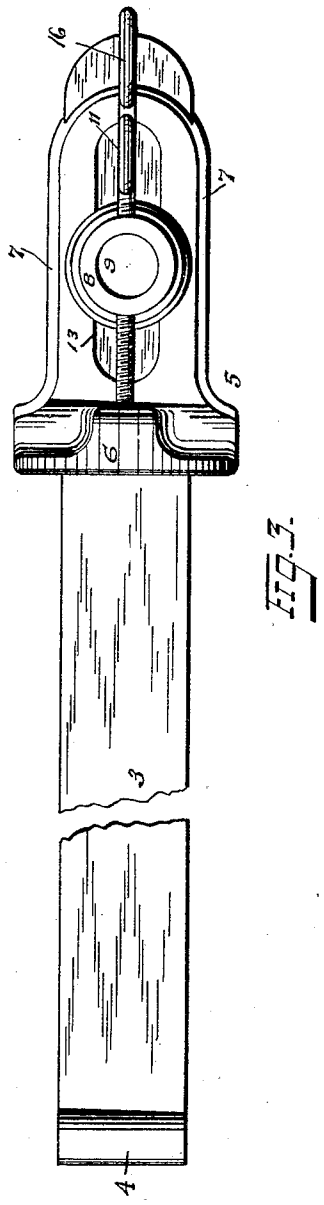

FIG. 3.

FIG. 5.

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UNITED STATES PATENT OFFICE.

JOHN H. B. CONGER, OF NEWARK, NEW JERSEY, ASSIGNOR TO THE TEA TRAY COMPANY OF NEWARK, N. J., A CORPORATION OF NEW JERSEY.

HORN-CRANE.

No. 924,635. Specification of Letters Patent. Patented June 15, 1909.

Application filed May 28, 1906. Serial No. 319,041.

To all whom it may concern:

Be it known that I, JOHN H. B. CONGER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Horn-Cranes, of which the following is a specification.

The invention relates more particularly to those cranes or supports for amplifying horns which are adapted to be held in position by extending beneath the cabinet of a talking machine and being clamped thereto, and the objects of the invention are to secure improved means of clamping the base-piece to the cabinet; to secure a simply and easily operated construction; to obviate a prolonged turning of the screw in applying the support to a talking-machine; to locate the adjustable clamping means at the front of the machine, and to obtain other advantages and results.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a side elevation of my improved horn crane applied to a talking-machine cabinet; Fig. 2 shows a portion of the base of the cabinet broken away to disclose the manner of attaching a certain strap thereto; Fig. 3 is a plan of the entire bottom part of my improved crane; Fig. 4 is a central sectional view of the same, and Fig. 5 shows in plan and edge view a certain modified form of the inner end of the attaching strap.

In said drawings, 1 indicates a talking-machine cabinet to which the bottom or supporting part of my improved horn stand or crane is attached, said cabinet being of any ordinary construction with the usual base molding 2. To effect such attachment, a strap-like piece 3 is provided which is adapted to extend under the talking-machine and is preferably bent up at its rear end 4 to hook over the molding 2 at the back of the cabinet. The other end of said strap 3 projects at the front of the talking-machine and receives the foot 5 of a clamping-piece whose head 6 is adapted to grip the molding 2 upon the cabinet and coöperate with the hooked strap portion 4 in gripping the horn-crane to the talking-machine. The said foot fits slidably upon the top of the strap 3, and its lateral edges 7 preferably depend at the sides of the strap so as to hold the clamping member in alinement with the strap as it slides. Above the said foot 5 is a base-piece 8, which is preferably of cylindrical upright form, as shown, and provides at its top the tubular socket 9 adapted to receive the post 10 of the upper part of the crane, said post being retained in its socket by the set screw 11, and carrying at its upper extremity an arm 12 of any suitable construction to support a horn near its bell, as is common. This base-piece 8 and the strap 3 form between themselves a slide-way for the foot 5 of the clamping member, and said foot is longitudinally slotted as at 13, to receive the means securing said strap and base-piece together, and which means preferably comprise a reduced threaded extension 14 of the base-piece adapted to screw into the strap as at 15. An adjusting screw 16 extends through a threaded seat 17 in the said cylindrical base-piece 8, preferably in horizontal position or parallel to the strap 3, and is adapted at its inner end to bear against the head 6 of the clamping member, to force the same into rigid gripping relation to the talking-machine cabinet.

In order to obviate prolonged turning of the screw 16, in slackening the device to remove it from the talking-machine, the construction is such that upon merely loosening the screw the base-piece 8 can be turned to throw the screw 17 out of alinement with the clamping member or at right angles to its operative position. This gives the head 6 plenty of clearance and allows the clamping member to be slid back against the base-piece.

To prevent injury to the molding, a piece of felt 18 can be fastened to the gripping face of the head 6, or other similar protection provided.

Under some conditions the strap which extends under the talking-machine cabinet may not reach entirely through to the back of the cabinet, but have a reduced upturned extremity 19 as shown in Figs. 2 and 5, and which is adapted to enter a socket or recess 20 in the bottom of the talking-machine cabinet. In this construction of strap, 21, there is therefore no projection of parts at the rear of the machine.

Various detailed modifications might be made in my improved construction described, by one skilled in the art, without departing from the spirit and scope of the invention,

such for instance as in the precise manner of attachment of the base-piece to the strap, and I do not therefore wish to be understood as limiting myself by what is positively described herein, except as the state of the art may require.

Having thus described the invention, what I claim is:

1. In a horn crane, the combination of a strap adapted at one end to extend beneath a talking machine and engage the same, a rotatable base-piece projecting upward from the other or outer end of said strap and providing a socket, horn-supporting means mounted in said socket, an adjustable clamping member adapted to slide on said strap adjacent to said base-piece, and an adjusting screw mounted in said base-piece and adapted to engage said clamping member.

2. In a horn crane, the combination of a strap adapted to engage at one end a talking machine, a rotatable base-piece at the other end of said strap having a hollow upper end providing a vertical socket, a horn-supporting post in said socket, a clamping member movable with respect to said strap and base-piece, and a screw mounted transversely in said base-piece below its said socket and adapted to engage said clamping member.

3. In a horn crane, the combination of a strap adapted to extend beneath a talking machine and forming at one end an upwardly-turned hook adapted to engage the cabinet, a rotatable base-piece projecting upward from the other or outer end of said strap, horn-supporting means mounted on said base-piece, an adjustable clamping member between said base-piece and strap, and a screw mounted in said base-piece adapted to engage the clamping member.

4. In a horn crane, the combination of a strap adapted to extend beneath a talking machine and forming at one end an upwardly-turned hook adapted to engage the cabinet, a rotatable base-piece projecting upward from the other end of said strap and having a hollow upper end providing a vertical socket, a horn-supporting post in said socket, a clamping member held between the base-piece and the strap and being adjustable longitudinally of said strap, and a screw mounted in said base-piece adapted to engage said clamping member.

5. The combination with a talking machine cabinet having a hole in its bottom, of a strap adapted to lie beneath said cabinet and having at one end an upwardly-turned hook entering said hole, a base-piece projecting upward from the other or outer end of said strap, horn-supporting means mounted on said base-piece, an adjustable clamping member adapted to slide on said strap, and an adjusting screw working in said base-piece and adapted to engage said clamping member.

JOHN H. B. CONGER.

Witnesses:
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