

No. 763,096.

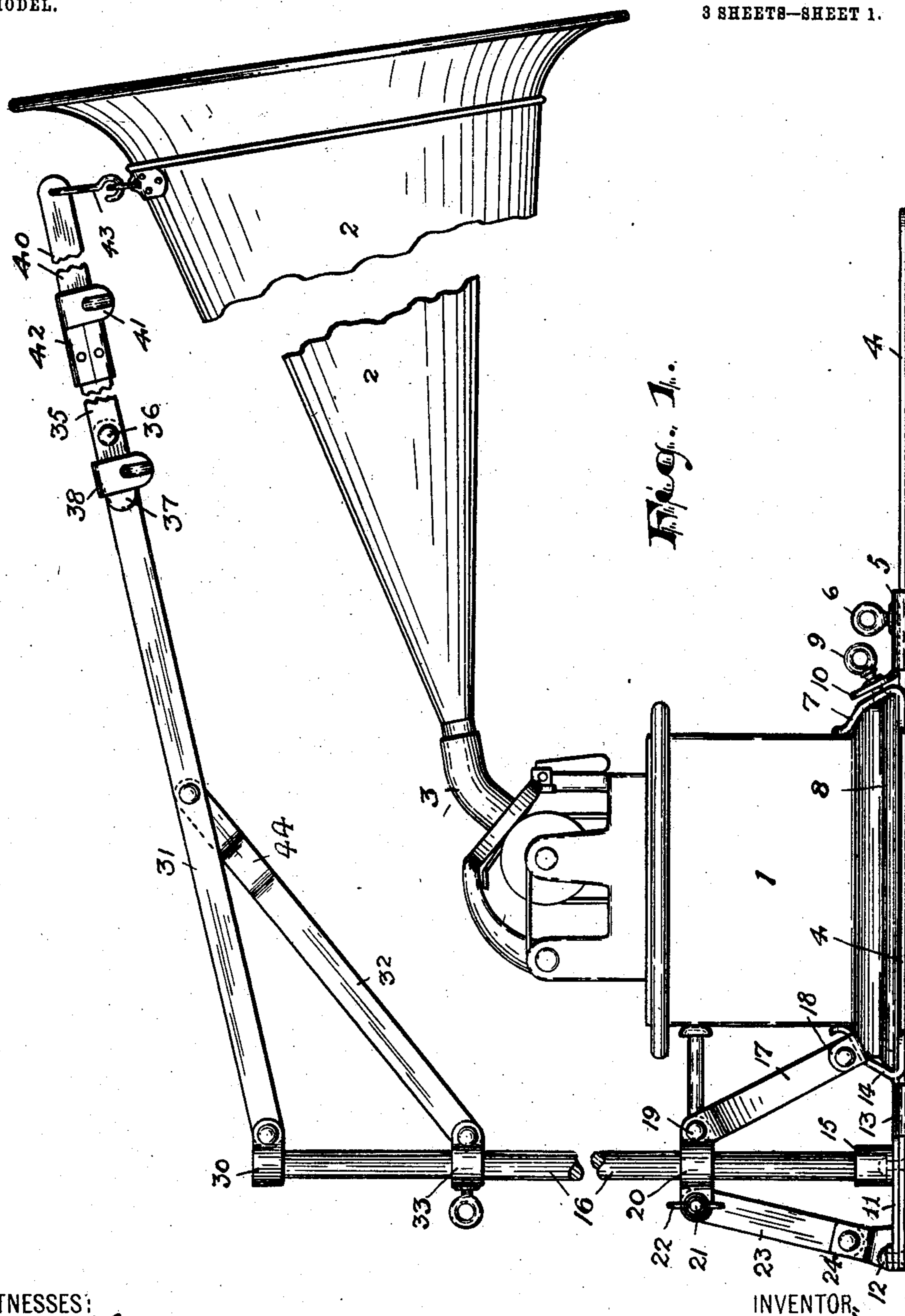
PATENTED JUNE 21, 1904.

C. J. EICHORN.
HORN SUPPORT FOR TALKING MACHINES.

APPLICATION FILED SEPT. 25, 1903.

NO MODEL.

3 SHEETS—SHEET 1.



WITNESSES:

Ralph Lancaster.

Russell M. Everett

Charles J. Eichhorn,

BY

Charles H. Keel

ATTORNEY.

No. 763,096.

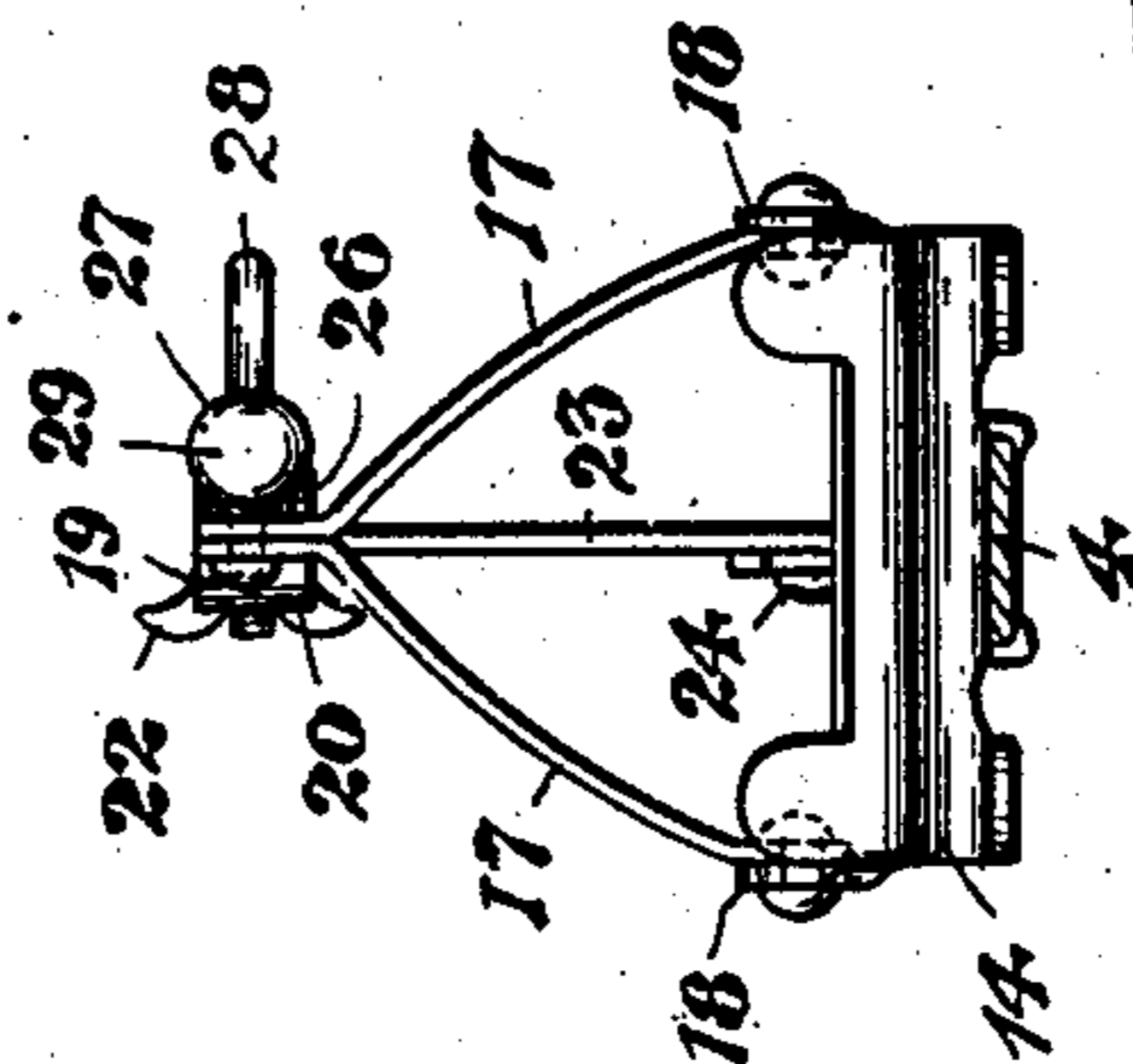
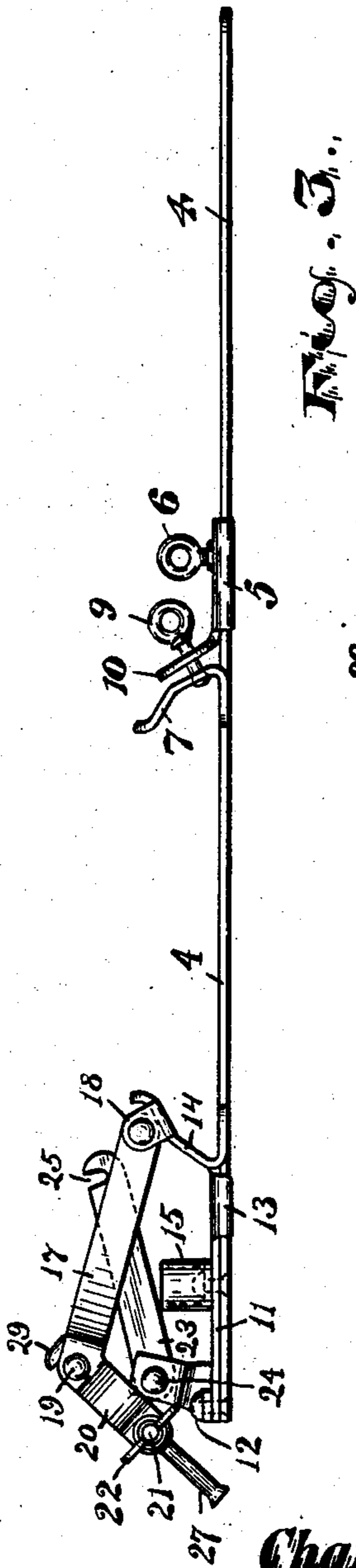
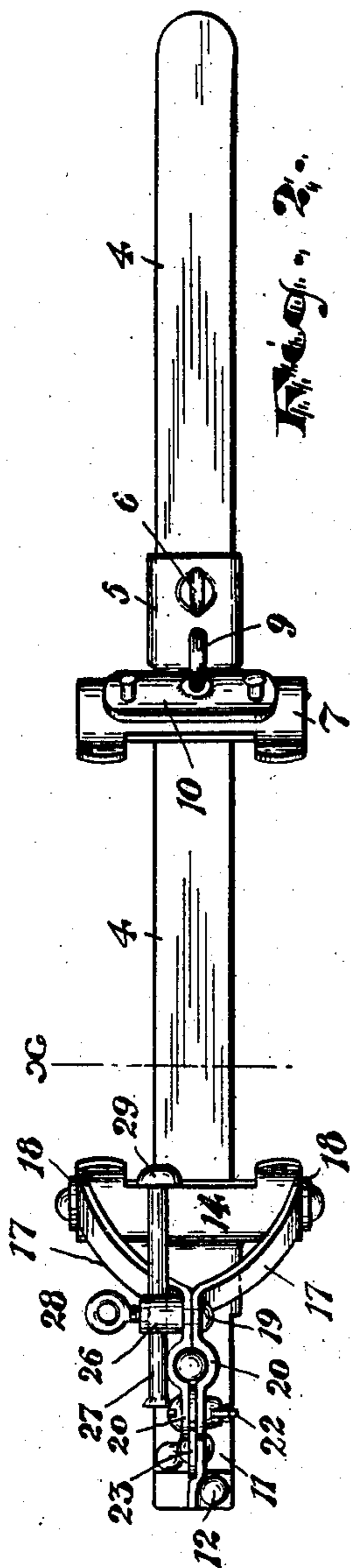
PATENTED JUNE 21, 1904.

C. J. EICHORN.
HORN SUPPORT FOR TALKING MACHINES.

APPLICATION FILED SEPT. 25, 1903.

NO MODEL.

3 SHEETS—SHEET 2.



WITNESSES:

Ralph Lancaster

Russell M. Everett

INVENTOR:

Charles J. Eichhorn,

BY

Charles H. Bell
ATTORNEY.

No. 763,096.

PATENTED JUNE 21, 1904.

C. J. EICHORN.
HORN SUPPORT FOR TALKING MACHINES.

APPLICATION FILED SEPT. 25, 1903.

NO MODEL.

3 SHEETS—SHEET 3.

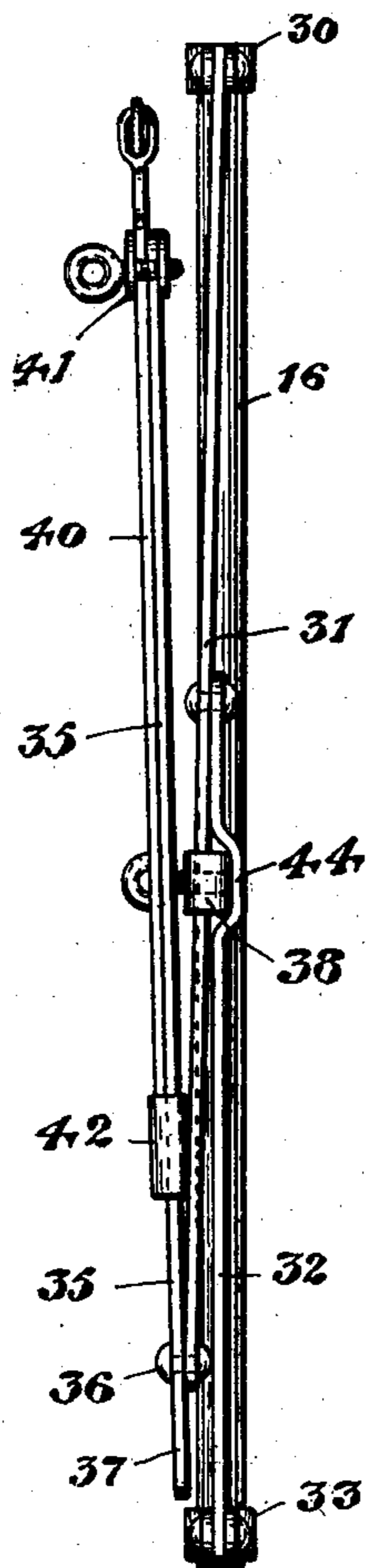


Fig. 6

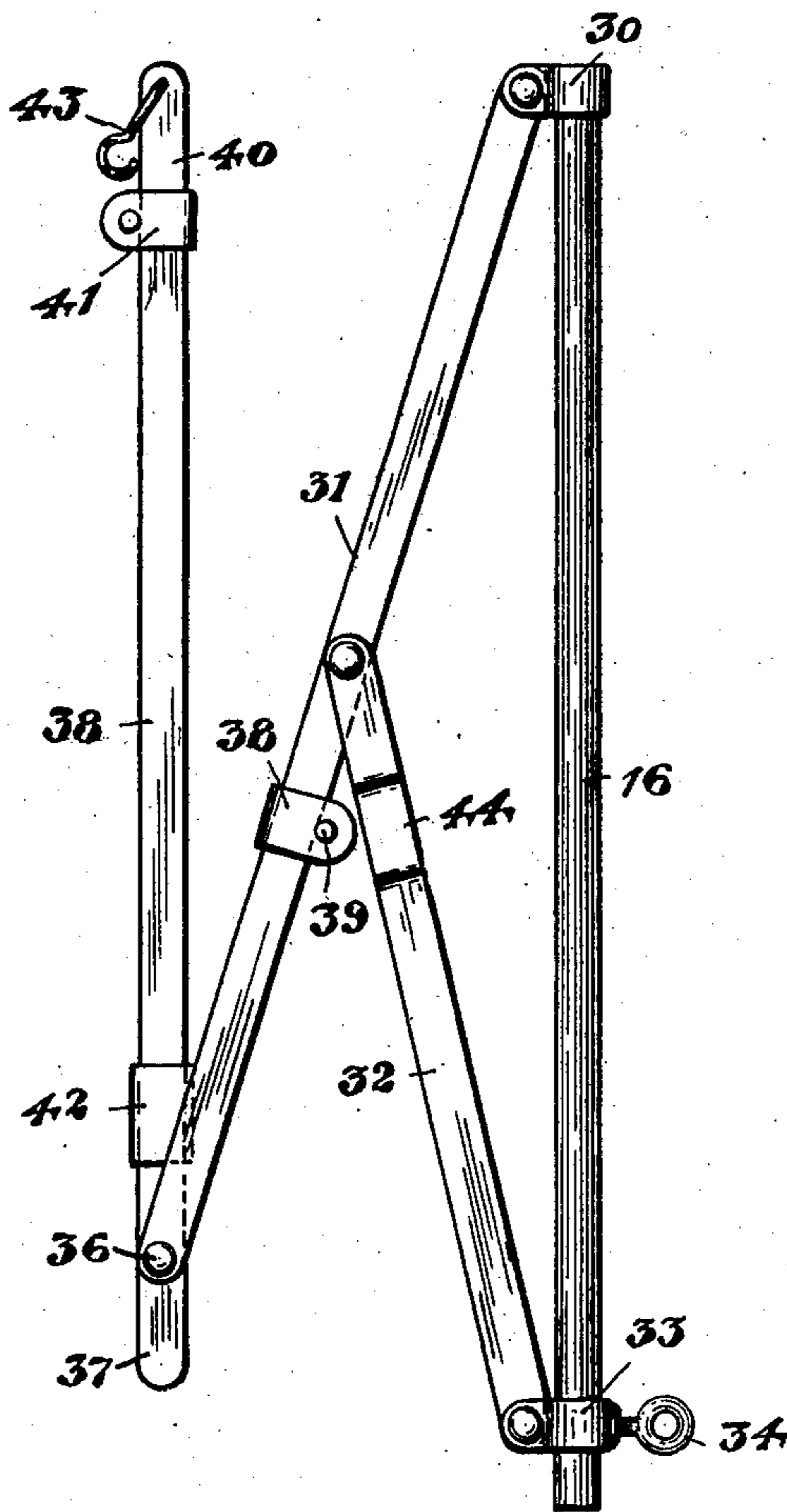


Fig. 5.

WITNESSES:

Ralph Lancaster.

Russell M. Everett

INVENTOR

Charles J. Eichhorn,

BY

Charles H. Pell

ATTORNEY.

UNITED STATES PATENT OFFICE.

CHARLES J. EICHHORN, OF NEWARK, NEW JERSEY, ASSIGNOR TO THE
TEA TRAY COMPANY, OF NEWARK, NEW JERSEY, A CORPORATION
OF NEW JERSEY.

HORN-SUPPORT FOR TALKING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 763,096, dated June 21, 1904.

Application filed September 25, 1903. Serial No. 174,607. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. EICHHORN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented and produced a new and original Improvement in Horn-Supports for Talking-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

This invention relates to that class of horn-supports represented by the one shown in the application of Victor H. Rapke, filed May 20, 1903, Serial No. 157,919; and the objects of the present improvements are to secure a compact folding of the device, and thus facilitate packing and shipping, to brace the upright rod or standard of the device and secure greater firmness, to enable a long horn-arm to be employed without sacrificing collapsibility, and to secure other advantages and results some of which may be referred to hereinafter in connection with the description of the working parts.

The invention consists in the improved horn-support for talking-machines, &c., and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth, and finally embraced in the clauses of the claim.

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 a support of my improved construction applied to a talking-machine and horn. Fig. 2 is a plan of the base portion or holder detached, and Fig. 3 is a side elevation of the same in collapsed position ready for packing. Fig. 4 is a cross-sectional view on line *x*, Fig. 2. Fig. 5 is a side view of the horn-arm and standard with the former partly folded, and Fig. 6 is a front view of the said standard and horn-arm in completely-folded relation.

In said drawings, 1 indicates the talking-machine, and 2 the amplifying-horn, connected to said machine, as at 3, in any suitable and well-known manner.

4 is the flat strap-like holder or base-piece of the support, extending or adapted to extend beneath the machine and to be held thereby. On the long front end of said base-piece is a slide 5, provided with a set-screw 6 and carrying at its rear end a jaw 7, adapted to engage the base-molding 8 of the machine and be tightened thereagainst by a clamping-screw 9, working in a rearward bent-up portion 10 of the slide. At its rear end the said base-piece 4 has an upper reinforcing-plate 11, held thereto by rivets 12 and ears 13, said reinforcing-plate having at its forward end a fixed jaw 14 opposite the adjustable jaw 7 described and adapted to coöperate therewith by grasping the base-molding of the machine at the rear. Upon the said reinforce-plate 11 is also an end socket 15 for the upright standard or rod 16. Said standard is further supported by a brace from the base-piece or holder engaging the rod at a point considerably above said socket 15. Said brace in my improved construction consists of two forward legs 17 17, pivoted at their forward or lower ends to ears 18 upon the ends of the fixed jaw 14 and normally extending upward and inwardly toward each other to a point adjacent to the front side of the standard, where they are riveted together, as at 19. From said point of riveting extensions 20 of said legs extend horizontally rearward, bowing outwardly to receive the standard or rod 16-and having their extremities perforated to receive a clamping-bolt 21 with wing-nut 22. A rear leg 23 of the brace, having its lower end pivoted, as at 24, to the base-piece, extends upwardly forward to the said clamping-bolt 21, and thus a tripod-like brace is provided. This rear leg 23 hooks detachably over the clamping-bolt 21 and lies between the extensions 20 of the forward legs, so that tightening the nut 22 not only clamps the standard or rod 16 but also the rear leg 23 firmly between the extensions 20. For such hooking a lateral recess 25 is preferably

formed in the rear edge of the leg 23 to receive the clamping-bolt, and thus when the standard or rod 16 is unclamped and removed the rear leg may be folded forwardly downward upon the base-piece and the forward legs rearwardly downward, as shown in Fig. 3. When set up, however, the standard or rod 16 prevents escape of the rear leg from the clamping-bolt even though the nut be not tightened. To secure still greater firmness of the standard or rod 16, the rivet 19, holding together the upper ends of the forward legs 17 17 of the brace, is enlarged at one end into a stud 26, which stud is apertured transversely to slidably receive a plunger 27, a set-screw 28 working in through the end of the stud to clamp said plunger in any desired position. The said plunger normally lies horizontal, its forward end having a button or head 29, and in use is slid forward until said head firmly engages the side of the talking-machine 1 and then clamped. Direct resistance to any forward inclining of the standard 16 by reason of the weight of the horn is thus secured.

At the top of the standard or brace 16 is a fixed collar 30, to which is hinged the first section 31 of the extensible horn-arm, said section 31 comprising a flat rigid strip of nearly the length of the standard and being braced by another strip 32, pivoted at one end to the section 31 intermediate of its ends and at its other end to a sliding collar 33 on the standard 16, adapted to be clamped by a set-screw 34. The second section of the horn-arm consists, likewise, of a flat rod 35, pivoted or hinged to the first, as at 36, and having a rear end 37 projecting beyond the pivotal pin 36. When the arm is extended, this end 37 lies along the first section, and a clasp or clamp 38 thereon is slid over the two and tightened by its set-screw 39, so that the second section is held rigidly in alinement. A third and outer section 40 is slidably mounted upon the second section by means of a clamping-clasp 41, fast on one of the overlapping ends, and a plain slide or clasp 42 on the other end, as is common. The extremity of said end section 40 is then provided with a hook 43 for the horn.

In folding the standard and horn-arm after removal from the base-piece the collar 33 on the standard is loosened and slid downward, and the clamping-clasp 38 at the first joint is loosened and slid backward. The sections then fold readily together, as illustrated in Figs. 5 and 6, the clasp 38 being received by an offset or recess 44, provided therefor in the brace 31.

Having thus described the invention, what I claim as new is—

1. In a horn-support, the combination with a base-piece adapted to extend beneath a talking-machine and having an end socket for a vertical standard or rod, and said rod, of a brace for said rod comprising forward and

rear legs pivoted at their lower ends to the base-piece, and a clamping-collar at the upper ends of said legs for the standard or rod, one of the legs being adapted to detachably engage said collar.

2. In a horn-support, the combination with a base-piece adapted to extend beneath a talking-machine, and having an end socket for a vertical standard or rod, and said rod, of a brace for said rod comprising forward and rear legs pivoted at their lower ends to the base-piece, and a clamping-collar fastened at its closed portion to the top of one of said legs, the upper end of the other leg being adapted to detachably hook over the bolt of said clamping-collar between its open ends.

3. In a horn-support, the combination with a base-piece adapted to extend beneath a talking-machine, and having an end socket for a vertical standard or rod, and said rod, of a brace for said rod comprising forward legs hinged at their lower ends to the base-piece and being fastened together at their upper ends and extended rearward beyond said point of fastening and forming a clamping-collar for the standard or rod, and a rear leg hinged at its foot to the base-piece and adapted to hook at its top onto the clamping-bolt of said collar.

4. In a horn-support, the combination with a base-piece adapted to extend beneath a talking-machine, and having an end socket for a vertical standard or rod, and said rod, of a brace for said rod comprising forward and rear legs pivoted at their lower ends to the base-piece, and a clamping-collar fastened at its closed portion to the top of one of said legs, the upper end of the other leg having a recess in its edge away from the standard and being adapted to hook over the bolt of said clamping-collar from the inside.

5. In a horn-support, the combination of a base-piece providing a seat for the base of a talking-machine, a standard extending upward from said base-piece, a plunger having a head adapted to engage the wall or side of a talking-machine seated upon said base-piece, and means for supporting the plunger.

6. In a horn-support, the combination of a base-piece providing a seat for the base of a talking-machine, a standard extending upward from said base-piece, and an adjustable horizontal plunger adapted to be brought into rigid relation to the standard and having a head to engage the wall or side of a talking-machine seated upon said base-piece.

7. In a horn-support, the combination of a base-piece providing a seat for the base of a talking-machine, a standard extending upward from said base-piece, a brace for said standard, and an adjustable plunger upon said brace having a head to engage the wall or side of a talking-machine seated upon said base-piece.

8. In a horn-support, the combination with

an upright standard or rod, and means for supporting the same, of a horn-arm comprising a first section hinged at one end to said standard, a brace pivoted at one end to said
5 section and slidably connected at the other end to the standard, a second section hinged to the end of the first and having an extension overlapping upon the first section beyond the point of hinging, and a clamping-clasp for binding said extension firmly to the
10 first section when brought into alinement therewith.

9. In a horn-support, the combination with an upright standard or rod and means for supporting the same, of a horn-arm comprising
15 a first section hinged at one end to said standard, a second section hinged to the end of the

first and having an extension overlapping upon the first section beyond the point of hinging, a clamping-clasp upon the first section adapted to be slid over said extension when the sections are extended into alinement, and a brace extending from an intermediate point of the first section to the standard and having an offset or recess to receive
20 said clamping-clasp when the device is folded.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of September, 1903.

CHARLES J. EICHHORN.

Witnesses:

CHARLES H. PELL,
RUSSELL M. EVERETT.