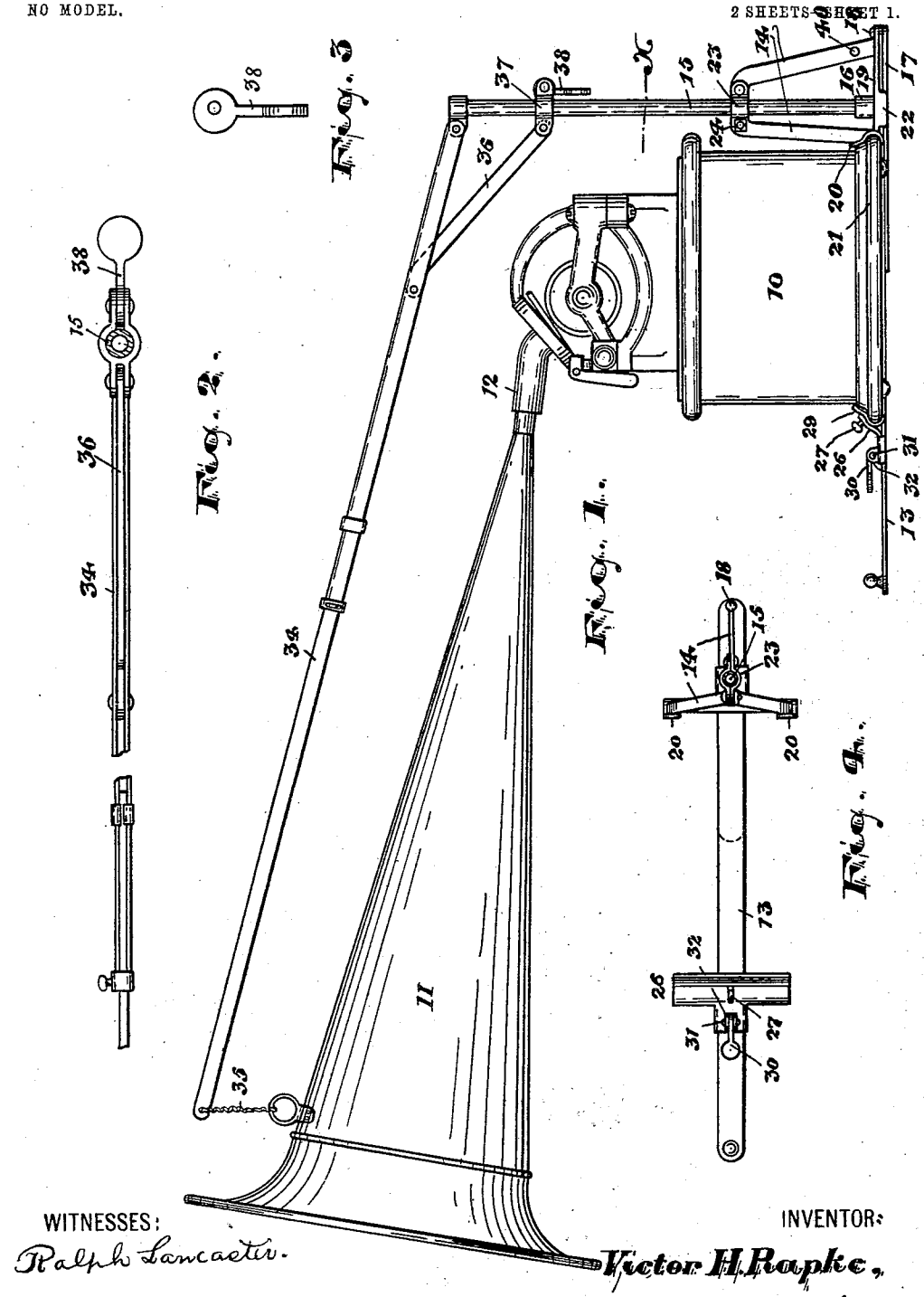
No. 751,204. PATENTED FEB. 2, 1904.

V. H. RAPKE.

HORN SUPPORT.

APPLICATION FILED MAY 20, 1903.

NO MODEL. 2 SHEETS—SHEET 1.



WITNESSES:

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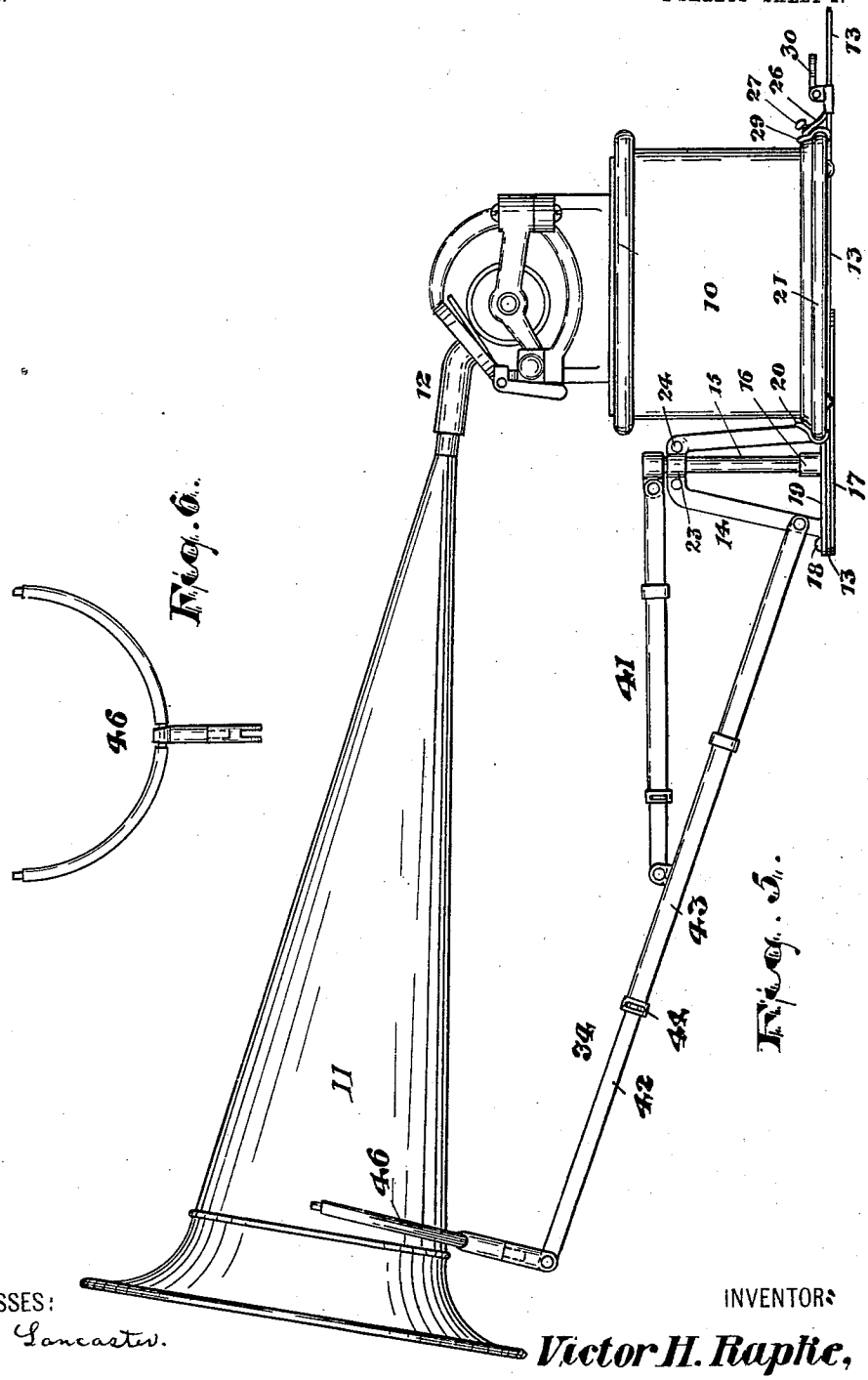


Fig. 6.

Fig. 5.

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No. 751,204. Patented February 2, 1904.

UNITED STATES PATENT OFFICE.

VICTOR H. RAPKE, OF NEW YORK, N. Y., ASSIGNOR TO THE TEA TRAY COMPANY OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

HORN-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 751,204, dated February 2, 1904.

Application filed May 20, 1903. Serial No. 157,919. (No model.)

To all whom it may concern:

Be it known that I, VICTOR H. RAPKE, a citizen of the United States, residing in New York, Manhattan borough, in the county of New York and State of New York, have invented and produced a new and original Improvement in Horn-Supports; 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.

The object of this invention is to provide a table-support for phonographs and similar talking-machines of greater security and firmness than those heretofore provided, and thus to enable horn-stands adapted to be seated upon the floor to be more effectually dispensed with, it being understood that the latter horn-stands occupy floor-space which in a small room is frequently disadvantageous and is the occasion of breakage or other damage because of the liability of the occupants of the room to trip over the legs of the stand, causing the stand to topple over and drag the talking-machine to the floor. By my improvements this liability to damage is avoided and yet I am enabled to support the horn firmly and with security and to secure other advantages and results, some of which may be referred to in connection with the description of the working parts.

The invention consists in the improved 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 my improvement when employed as a suspensory device for the horn. Fig. 2 is a section on line x. Fig. 3 is a detail view of a certain setting-eccentric. Fig. 4 is a section on the same line x, showing the base portions of the device in plan. Fig. 5 is a side view of the device as employed as a seat on which the large end of the horn may rest, and Fig. 6 is a detail showing the bow in which the said large end of the horn is seated.

In said drawings, 10 indicates the phonograph or other talking-machine, and 11 is the horn, connected with said machine by a flexible connection 12 or other suitable means. As is ordinarily the case, the said talking-machine is of considerable weight, and thus it is adapted to serve as an anchor or base to which the holder may be secured, so as to hold the large end of the horn in its horizontal or approximately horizontal position. To enable this to be effected with security and firmness, I provide a holder having a flat base-piece 13 adapted to extend underneath the box of the talking-machine, said base-piece being preferably a straight strap-like piece of metal longer than the width of the box, so as to extend beyond the opposite sides of said box, as shown in Figs. 1 and 2. Said strap-like piece 13 is provided at one end with a rigid brace 14, fixed to said piece and adapted to hold a rod 15 erect. The said piece 13 where it receives said brace 14 and an end socket 16 for the rod 15 is preferably reinforced by a plate 17, the said reinforce-plate being fastened to the piece 13 by the same rivets 18 which fasten the brace to said piece 13. The socket 16 is preferably rigidly secured to a piece 19, having clamping ears or jaws 20, adapted to engage the bottom ornament 21 of the machine-box, and the brace 14 is also rigidly secured to the same piece 19, the piece 19 being secured flatwise upon the piece 13 by the rivets 18 above referred to. The piece 19 is provided with ears 22 to engage the side edges of the pieces 13 17 to effect greater strength and durability. These details may be changed to suit the conditions without departure from the invention.

At the top of the brace it is provided with a clamping-collar 23 for the vertical rod 15, said collar surrounding said rod and being split or parted and provided with a clamping

bolt and nut 24 in any suitable manner. On the opposite side of the box of the machine 10 the piece 13 is provided with a sliding or adjustable clamping-jaw adapted to be fastened upon the ornament or molding 21. This said jaw may be in two pieces, as indicated in Fig. 1, where one piece, 26, is shown to be provided with a set-screw 27, adapted to force the other piece, 29, hard against the box after the sliding clamping-jaw has been forced by hand against the box. Said sliding jaw is preferably fixed to the piece 13 by a setting-eccentric 30, similar to the one shown in detail in Fig. 3, said eccentric being pivoted, as at 31, between ears 32, formed on the sliding jaw and engaging the sliding plate after adjustment to hold the parts in rigid relation.

The piece 13 preferably extends in the direction of the projection of the large end of the horn considerably beyond the edge of the box, as in Fig. 1, so as to prevent more effectually the large end of a weighty horn from upsetting the box and its contents.

The vertical rod 15 preferably carries the means for supporting the large end of the horn. These may be as in Fig. 1, where 34 is a rod or arm extending from the upper part of said vertical rod, to which it is pivotally connected laterally to said large end, where it is provided with a chain 35, from which the horn may be suspended. Said rod or arm is preferably in sections slidable one on the other, so as to increase or diminish the length of the rod to suit the horn, and said rod or arm is preferably braced by a brace 36, pivoted to said rod 34 and to a collar 37 on said vertical rod. Said collar 37 is slidable on the rod or arm 34, so that the inclination of the latter may be increased or diminished, and said collar is provided with a setting-eccentric 38, as indicated in Figs. 2 and 3, for fixing said parts in the desired position.

When the device is intended to provide a seat on which the under side of the horn at its large end may rest, I vary the arrangement, as in Fig. 5. In this case a short rod 15 is employed. The arm 34 is pivotally connected with the lower part of the brace 14, the latter being perforated, as shown in Fig. 1, at 40, and a brace 41, which in this case is a sectional brace, the extensible sections 42 43 being fastened one to the other by a set-screw 44 or other suitable means extends from the top of the short rod 15 to the arm, to which parts said sectional brace is pivoted. Said arm extends upward at an inclination to or near to the under side of the horn at its larger end, where it is provided with a pivoted bow 46, in which the horn rests, the prongs of the bow being cushioned with rubber tubing to prevent damage to the horn.

By the construction described the base-piece 13, held in place by the weighty box, serves as a strong foundation to take the weight of the laterally or forwardly projecting horn, and this latter is firmly secured against falling without need of floor-stand.

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

1. The combination with the horizontal piece adapted to extend beneath the box of the talking-machine, said piece having clamps to engage the box, of a vertical rod secured to said horizontal piece and an arm held by said vertical rod and adapted to support the large end of the horn.

2. The combination with the horizontal piece adapted to extend beneath the under side of the box of a talking-machine, said piece having a clamp, one jaw of which is adjustable thereon, to engage the opposite sides of the box, of a horn-supporting arm carried by said piece and adapted to support the horn.

3. The combination with the horizontal piece having clamps to engage the opposite sides of the box of a talking-machine, one of said clamps being slidable on said piece and provided with a setting-eccentric, of a vertical rod, a socket on said horizontal piece and providing a seat for the lower end of said vertical rod, and a brace to hold said vertical rod firm in said socket, and a horn-supporting rod connected with the upper end of said rod, substantially as set forth.

4. The combination with the horizontal piece having clamps to engage the opposite sides of the box of a talking-machine, one of said clamps being slidable on said piece and provided with a setting-eccentric, of a vertical rod, a socket on said horizontal piece and providing a seat for the lower end of said vertical rod, a reinforcing-piece beneath said socket, and a brace to hold said vertical rod firm in said socket, and a horn-supporting rod connected with the upper end of said rod, substantially as set forth.

5. In combination with the horizontal piece adapted to be clamped to the opposite sides of the box, of a vertical rod carried at one side of said box, a brace firmly holding said rod erect on said piece, an arm in extensible sections pivotally connected to said vertical rod, and a brace pivotally connecting said bar and rod, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of April, 1903.

VICTOR H. RAPKE.

Witnesses:
CHARLES H. PELL,
CLEMENT BEECROFT.