

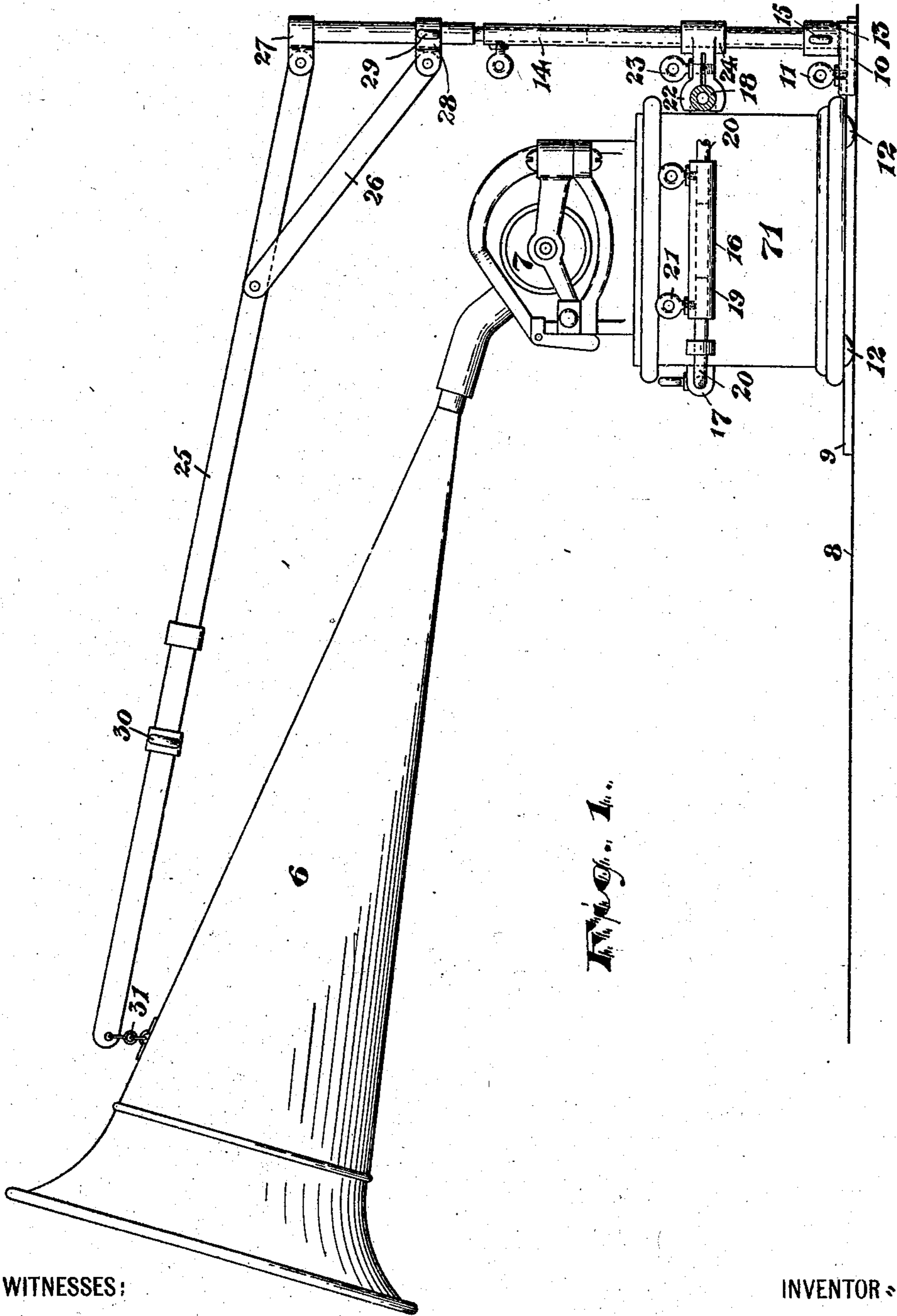
No. 815,448.

PATENTED MAR. 20, 1906.

A. S. MARTEN.
HORN SUPPORT.

APPLICATION FILED NOV. 19, 1904.

3 SHEETS—SHEET 1.



WITNESSES:

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Russell M. Everett

INVENTOR:

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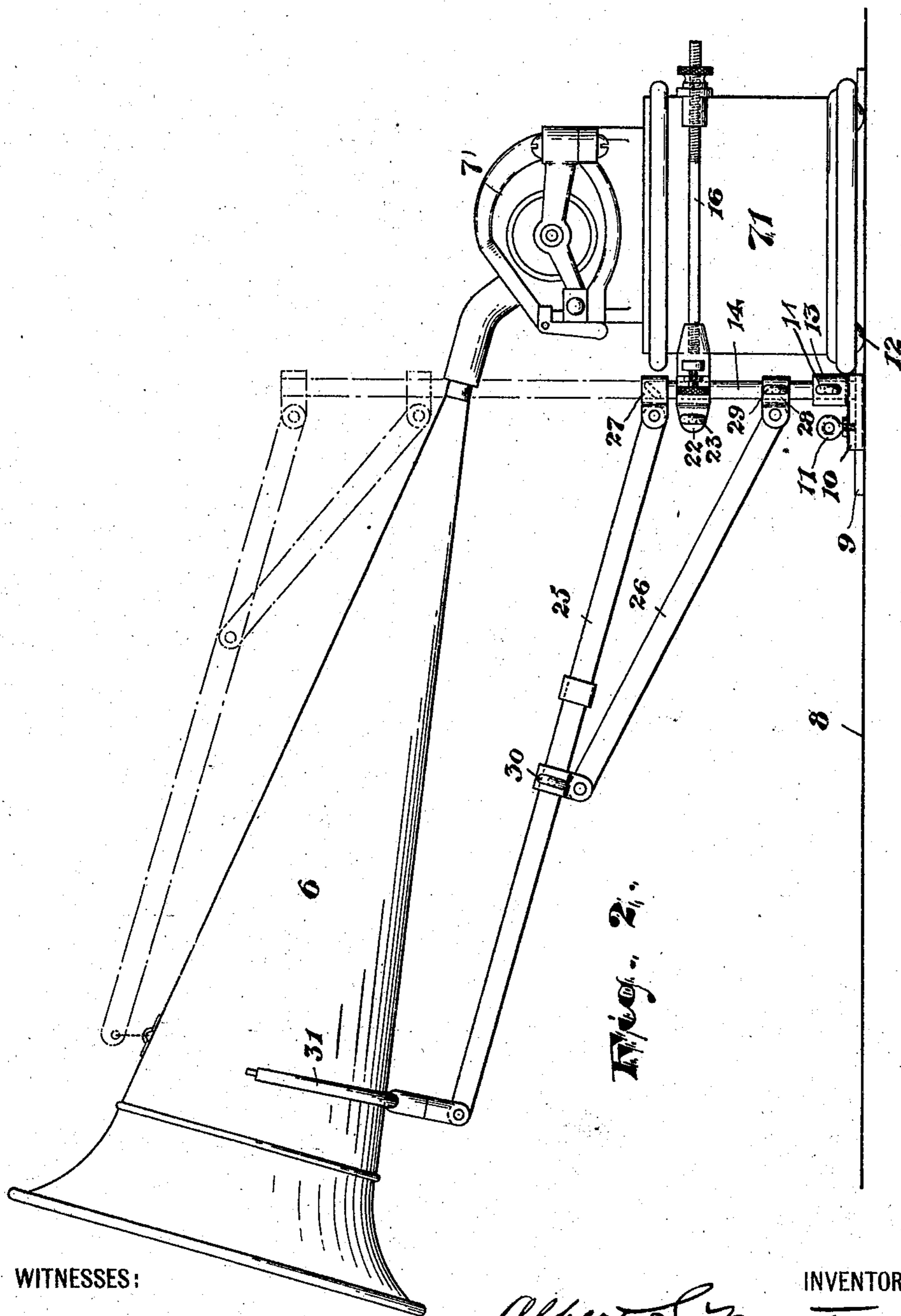
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3 SHEETS—SHEET 3.

Fig. 6.

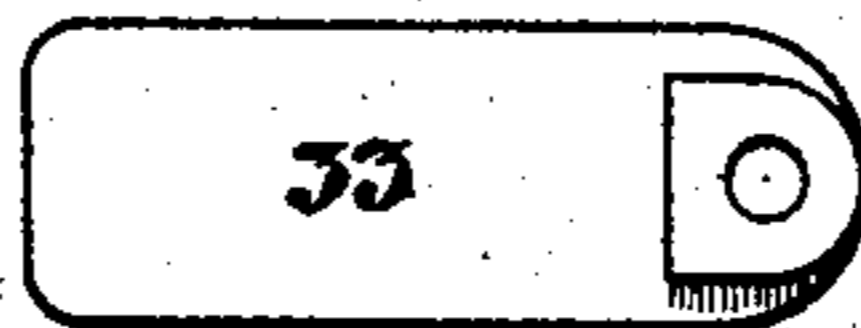


Fig. 4.

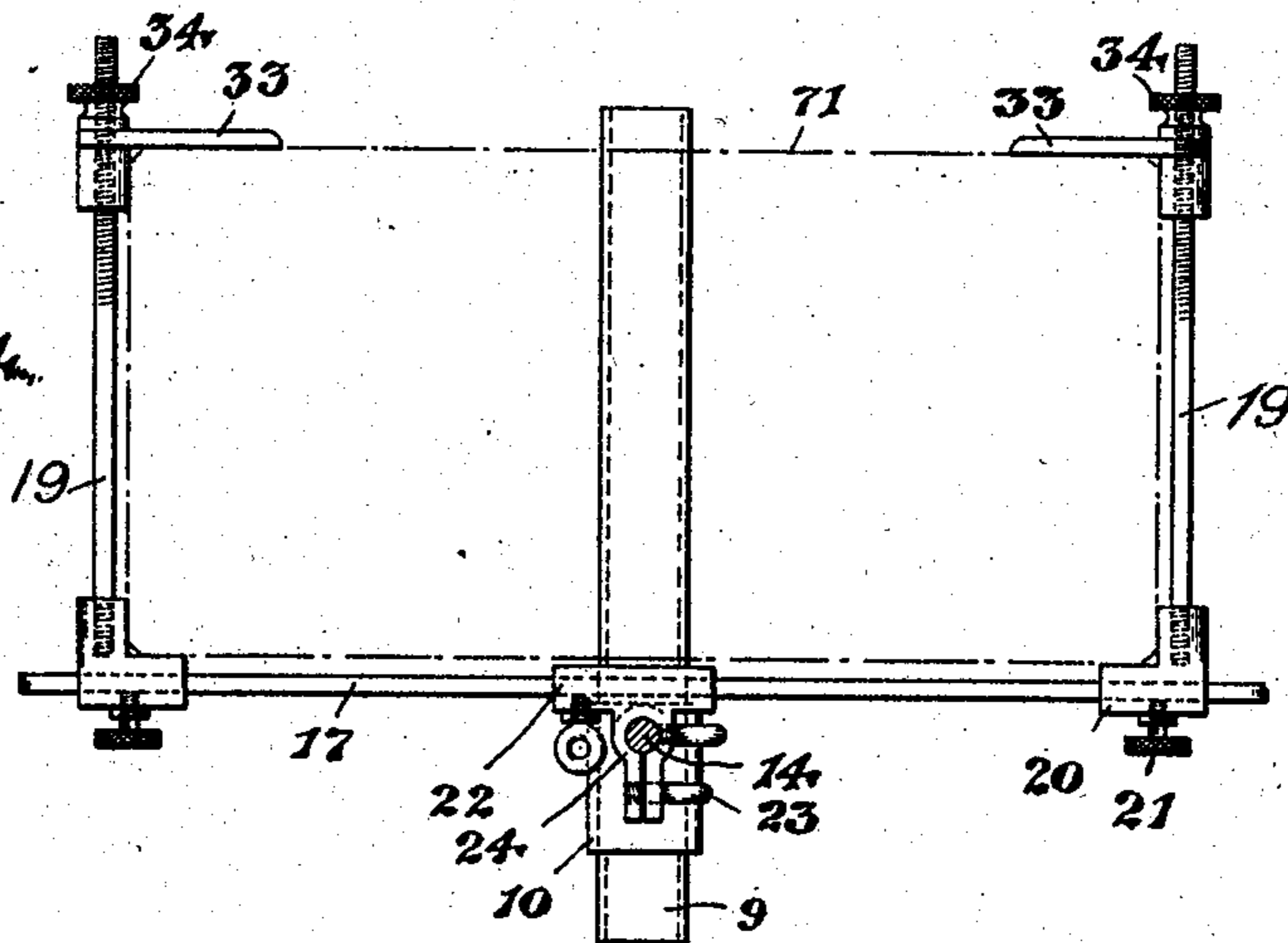


Fig. 3.

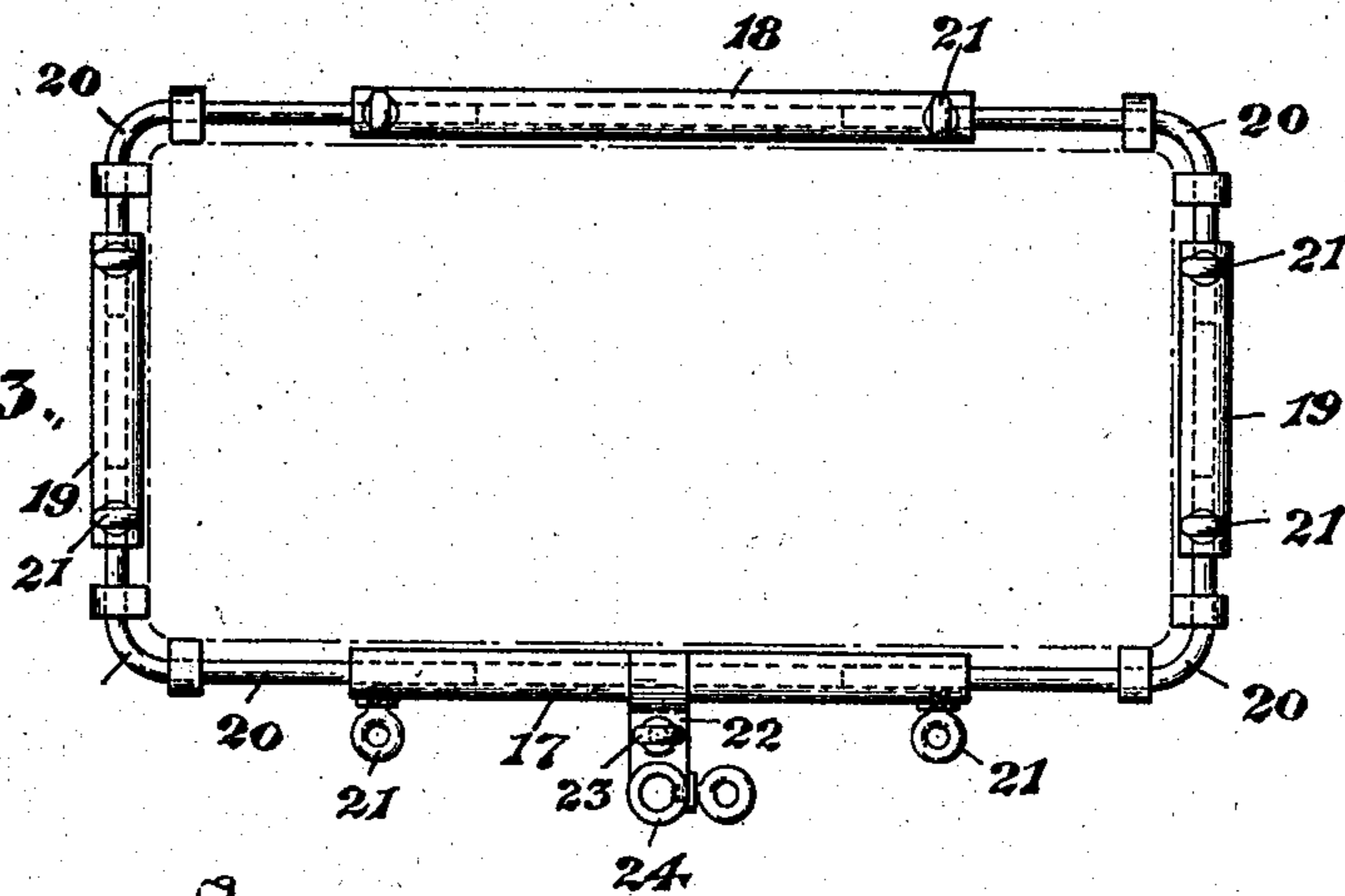
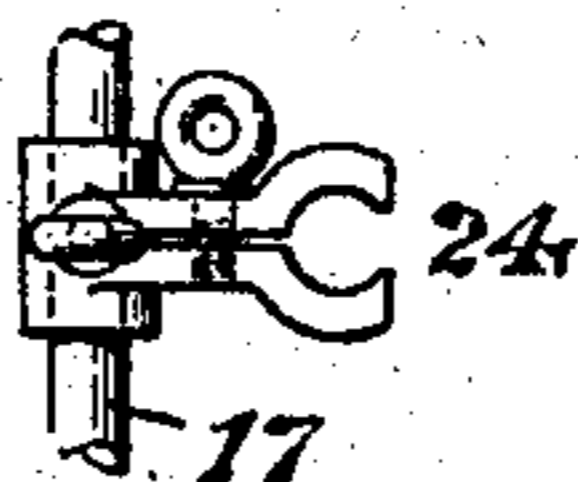


Fig. 5.



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UNITED STATES PATENT OFFICE

ALBERT S. MARTEN, OF EAST ORANGE, NEW JERSEY.

HORN-SUPPORT.

No. 815,448.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed November 19, 1904. Serial No 233,472.

To all whom it may concern:

Be it known that I, ALBERT S. MARTEN, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements 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 objects of this invention are to enable amplifying-horns to be more rigidly and securely attached to talking-machines, to adapt the support to a greater variety of boxes or cases of said talking-machines, and to enable the horn to be adjusted in its relation to said talking-machines in a greater variety of positions, and to obtain 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 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 attached to a talking-machine and an amplifying-horn. Fig. 2 is a similar view showing a modification of construction. Fig. 3 is a detail plan of a certain box-inclosing frame. Fig. 4 is a plan of a framework of a modified form. Fig. 5 is a detail view of a certain clip, and Fig. 6 is a view of a bearing piece or section in said modified construction.

In said drawings, 6 indicates a horn attached to a talking-machine 7, having a box or case 71 in any ordinary form. The said case is seated upon a table 8 or other supporting-surface, and underneath the same is arranged the base-piece 9, which extends beyond the vertical sides of the box or case a greater or less distance to prevent the box from tipping under the weight of the horn. Said base-piece is preferably provided with beveled opposite edges by means of which a sliding or adjustable piece 10 may be secured thereon by means of a set-screw 11. Said

piece 9 may be held upon the box or case 71 or be held on the table or surface 8 by any suitable means. It may be separably held to the bottom of the case or may be held on said surface 8, and in the construction shown said base-piece is of a vertical thickness about equal to the length of the legs 12 of the box or case, so that said piece may be held firmly in place by merely the weight of the case. The sliding or adjustable piece 10, at or near one end thereof, is provided with a socket 13 to receive a vertical post 14, which extends upward from the base at the front or rear or at any one of the sides of the box, as indicated in Figs. 1 and 2. Said post is fastened in said socket by a set-screw 15 or other means, and at a point above the base near the upper part of the box or case is firmly held to said box or case by an inclosing frame 16. Said frame may be varied at will in its construction; but for purposes of convenience and adjustability to cases of various sizes it is preferably formed in sections, as indicated more clearly in Fig. 3, where 17 18 represent longitudinal front and rear tubular sections, 19 opposite tubular end sections, and 20 angular corner-sections, the ends of which enter said tubular sections, fitting the same nicely, but slidable therein to permit the frame to be expanded or contracted to suit the size of the case. The sections are held in fixed relation after adjustment by means of set-screws 21. To one of the tubular sections, in vertical line with the socket 13, is adjustably arranged a clip 22, adapted to be clamped upon said tubular sections by means of a clamping-screw 23. Said clip at its projecting end has a perforated head 24, through which the post 14 extends from the socket 13 upward to a position to receive the horizontally-projecting bar 25. Said post 14 is preferably in telescopically-adjustable sections, and the bar 25 is preferably held in its horizontal or inclined position by a brace 26, said bar and brace being pivoted on sliding pieces 27 and 28, respectively, adapted to be fixed on the post by set-screws 29 in any suitable manner. The horizontal bar 25 is also preferably in sections slidable longitudinally in relation to one another and fixed one to the other by a set-screw 30, and at the projecting extremity of said bar are means 31 to hold the large end of the amplifying-horn. Said means may be suspensory means, such as links, (shown in Fig. 1,) or a seat, as in Fig. 2. By the construction thus provided the horn-sup-

port may be securely attached to boxes of varying horizontal size and be adjusted to receive and hold the horn at various positions to direct the sound as conditions may render desirable.

I am aware that various changes other than those above referred to may be made in the detail construction of my improved horn-support without departing from the spirit or scope of the invention, and in Fig. 4 I have illustrated such a modified construction, in which case the corner-sections are tubular and the frame does not completely inclose the box, the end sections 19 being threaded and furnished with bearing-sections 33, which are clamped against the box by means of threaded thumb-nuts 34, the said bearings opposing that part of the frame having the clip 22.

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

1. The improved horn-support, comprising a base-piece adapted to lie beneath the bottom of the box or case, a frame adapted to inclose the said box, a clip fixed upon said frame, a post extending upward from said base-piece through said clip and a horizontally extending bar supported by said post and adapted to support the large end of the horn, substantially as set forth.

2. The improved horn-support, comprising a base-piece adapted to lie beneath the bottom of the box or case, a sectional frame adapted to inclose the said box, a clip fixed upon said frame, a post extending upward from said base-piece through said clip, and a horizontally-extending bar supported by said post and adapted to support the large end of the horn, substantially as set forth.

3. The improved horn-support, comprising a base-piece adapted to lie beneath the bottom of the box or case, a frame adapted to inclose said box, a clip detachably secured to said frame, a post extending upward from said base-piece through said clip, and a horizontally-extending bar supported by said post and adapted to support the large end of the horn, substantially as set forth.

4. The improved horn-support, comprising a base-piece adapted to lie beneath the bot-

tom of the box or case, a socket at its upper side, a frame adapted to inclose the said box, a clip fixed upon said frame, a post extending upward from said socket through said clip, and a horizontally-extending bar supported by said post and adapted to support the large end of the horn, substantially as set forth.

5. The improved horn-support, comprising a base-piece adapted to lie beneath the bottom of the box or case, a frame comprising tubular sections and angular sections set within said tubular sections and together adapted to inclose the said box, a clip fixed upon said frame, a post extending upward from said base-piece through said clip, and a horizontally-extending bar supported by said post and adapted to support the large end of the horn, substantially as set forth.

6. The combination with a post and means supported thereby to support the horn, of a frame to engage the box or case, and a clip with means adapted to fix said clip to the frame and means to fix said clip to the post, substantially as set forth.

7. The improved horn-stand, comprising a base-piece having a socket adjustably seated thereon, a post, means for fixing said post to said socket, a clip on said post above said socket for fixing said post to the case, a frame detachably secured to the case and adapted to be engaged by said clip, and means supported on said post for supporting the horn, substantially as set forth.

8. The improved horn-stand, comprising a base-piece having a socket adjustably seated thereon, a post, means for fixing said post to said socket, a clip adjustably fixed on said post above said socket and a frame having sections in telescopically-adjustable relation to engage the box or case, and means supported on said post for supporting the horn, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of October, 1904.

ALBERT S. MARTEN.

Witnesses:

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CHARLES H. PELL.