June 9, 1925. 1,541,067

J. PALMER

REED HOLDER FOR ACCORDIONS

Filed Sept. 22, 1922

Fig. 1.

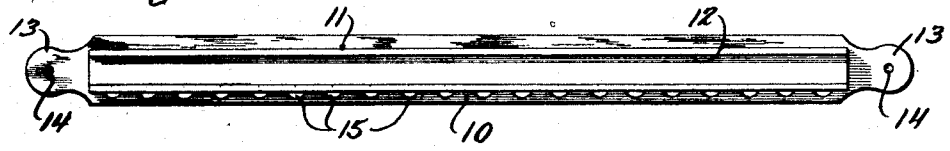


Fig. 2.

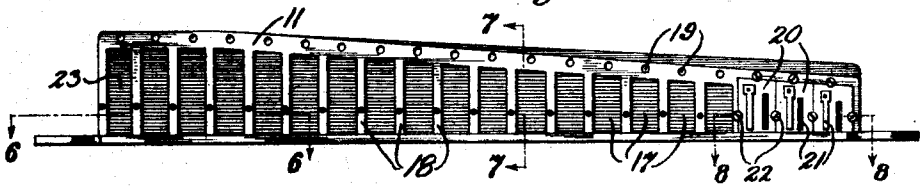


Fig. 3.

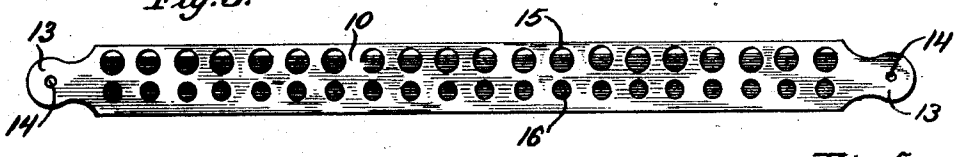


Fig. 4.

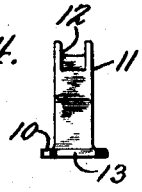


Fig. 6.

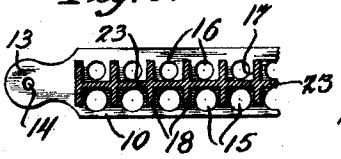


Fig. 7.

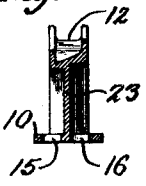


Fig. 5.

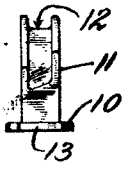


Fig. 9.

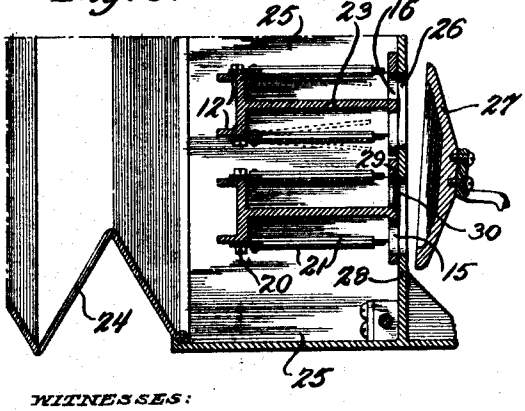
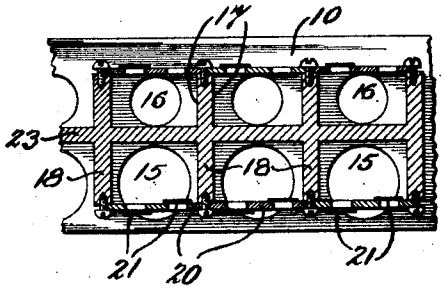


Fig. 8.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES PALMER, OF PHILADELPHIA, PENNSYLVANIA.

REED HOLDER FOR ACCORDIONS.

Application filed September 22, 1922. Serial No. 589,897.

To all whom it may concern:

Be it known that I, JAMES PALMER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Reed Holders for Accordions, of which the following is a specification.

This invention relates to accordions and more particularly to an improved reed holder therefor.

The object of the invention is to construct the reed holder of some light weight cast metal such as aluminum, in lieu of wood or other expensive parts which must be joined and which deteriorate, warp resulting in leakage, and in other ways are detrimental to the playing of the instrument.

This object, and other advantageous ends which will be described hereinafter, I attain in the following manner, reference being had to the accompanying drawings in which—

Figure 1 is a plan view of the improved reed holder,

Figure 2 is a side elevation,

Figure 3 is a bottom view,

Figure 4 is an end elevation looking toward the left hand end in Figure 2,

Figure 5 is an end elevation of the opposite end,

Figure 6 is a fragmentary sectional view taken on the line 6—6 of Figure 2,

Figure 7 is a sectional view taken on the line 7—7 of Figure 2,

Figure 8 is an enlarged fragmentary sectional view taken on the line 8—8 of Figure 2, and

Figure 9 is a fragmentary sectional view of an accordion with the improved reed holder applied.

In the drawings, the improved reed holder is cast of light metal, such as aluminum, to form a face plate 10 integral with a pocket-forming part 11 which may be grooved at 12 for lightness and which preferably tapers from one end to the other. The ends of face plate 10 are extended beyond the ends of part 11 to provide attaching lugs 13 which may be apertured as shown at 14.

Two rows of apertures 15 and 16 in plate 10 gradually decrease in size and extend throughout the length of the plate. Air pockets 17 are formed in the sides of part 11 by providing substantially parallel partitions 18. Each of the pockets 17 on one side of part 11 communicates with an aperture 15 and each pocket on the other side of part 11 communicates with an aperture 16. Pockets 17 which communicate with the decreasing apertures, decrease correspondingly in length to give an even volume range to the higher tones. The edges of partitions 18 and the outer edge of part 11 have screw holes 19. Reed plates 20 carrying reeds 21, rest on the edges of the walls forming the pockets 17, and are disposed between the screw holes 19. Screws 22 are screwed in the holes 19 so that their heads will engage the reed plates 20 and hold them in position. A central partition 23 forms the bottoms of pockets 17 and is integral with the partitions 18, the plate 10 and the grooved part 12.

In Figure 9 of the drawings, a fragmentary portion of an accordion is shown consisting of a bellows 24, a wind chest 25 having holes 26, in its top 28, with which valves 27 co-operate to control the passage of air. My improved reed holders are mounted on this top 25 over holes 26. If desired face plate 10 of the reed holder may be provided with a groove 29 and an apertured resistor strip 30 mounted to slide therein to change the volume of the tone.

While I have described my invention as taking a particular form, it will be understood that the various parts of my invention may be changed without departing from the spirit thereof, and hence I do not limit myself to the precise construction set forth, but consider that I am at liberty to make such changes and alterations as fairly come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A reed holder for accordions consisting of a one-piece casting having a face plate and a pocket-forming part, the plate having rows of apertures and lugs for attaching the holder, and the pocket-forming part having partitions forming air pockets, one end of the air pockets communicating with the apertures.

2. A reed holder for accordions consisting of a one-piece casting including a face plate and a pocket-forming part, the face plate having rows of apertures and extended ends for attaching the holder, and the pocket-forming part having a central partition between the rows of apertures, and

parallel transverse partitions between the apertures and integral with the central partition, the partitions being integral with the face plate and forming the pockets one end of each pocket communicating with an aperture.

3. A reed holder for accordions consisting of a one-piece casting including a face plate having a groove therein, adapted to slidably receive a register strip and a pocket-forming part, the plate having rows of apertures and extended ends for attaching the holder, and the pocket-forming part having a central partition integral with the face plate; parallel transverse partitions integral with the central partition and forming pockets, one end of each pocket communicating with an aperture and reed plate securing means carried by the edges of the transverse partitions.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES PALMER.

Witnesses:
ELIZABETH GARBE,
CHAS. E. POTTS.