

P. H. SPORRER.

Toy Wind Musical Instruments

No. 149,540.

Patented April 7, 1874.

Fig. 1.

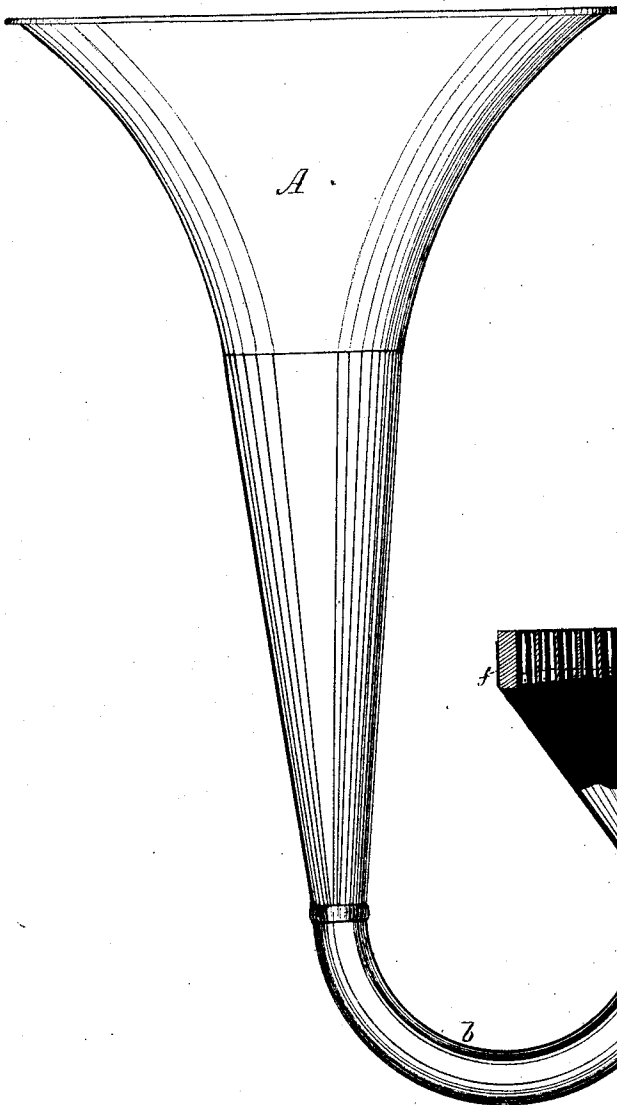
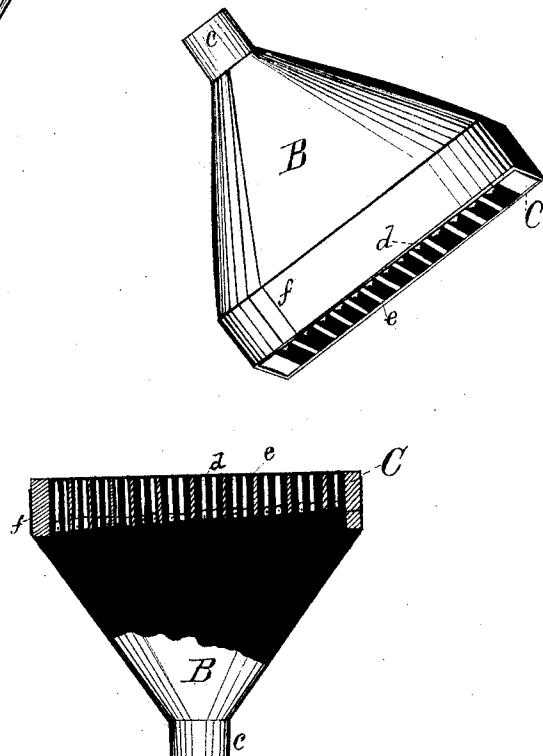


Fig. 2.



WITNESSES.
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IMPROVEMENT IN TOY WIND MUSICAL INSTRUMENTS.

Specification forming part of Letters Patent No. **149,540**, dated April 7, 1874; application filed March 16, 1874.

To all whom it may concern:

Be it known that I, PETER H. SPORRER, of Baltimore, in the county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Toy Musical Wind-Instrument; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a new and improved toy musical wind-instrument; and consists in the novel arrangement and combination of a harmonica with a horn or trumpet, so that an increased volume of tone is obtained, which will be more fully described hereafter.

In the accompanying drawings, Figure 1 is a side view of a horn or trumpet with the harmonica attached, having a portion of the casing removed to show the interior construction of the harmonica. Fig. 2 is a perspective view of the casing and harmonica detached from the horn or trumpet.

A is the horn or trumpet, differing in no respect from those of the ordinary form and construction, and may be made from brass or of other metals, and afterward plated, and, if desired, may be ornamented in any manner to meet the tastes of purchasers. The shape, form, or configuration of the instrument is not deemed essential, and is left entirely to the judgment of the manufacturer. The horn or trumpet A terminates at its smaller end in a bend, *b*, to which is attached the casing B, and to which is connected, in any suitable manner, the harmonica C. The casing B is of thin sheet metal, or other suitable material, and is of triangular form, having attached to its lower end a short tube or extension, *c*, of slightly larger diameter than the bend *b*, so that it will snugly fit over the end of the tube or bend. This arrangement will admit of the casing and harmonica being removed from the horn or trumpet when required. The upper or larger portion of the casing is formed with a pocket or socket, *f*, into which is placed the harmonica C; and to insure an air-tight joint between the harmonica and casing a packing, of rubber or other

elastic material, may be used, being secured to the inner sides and ends of the pocket or socket *f*, in any well-known manner.

By this construction the harmonica can be removed, when desired, for repairs, or others may be substituted.

To lessen the expense of the instruments in their manufacture, the casing, or that part which forms the pocket, may be dispensed with, and a shoulder or extension left on the upper portion of the casing, to allow it to be attached directly to the metal casing of the harmonica by soldering or otherwise rigidly connecting it.

The harmonica C needs but a brief explanation, as it is of the ordinary construction, consisting of small metallic reeds *d*, of different lengths, secured to the side pieces of the harmonica over openings made therein, partitions *e* dividing the harmonica into small compartments, the notes being produced by the vibrations of the metallic reeds, caused by the air or breath of the performer forced into the compartments.

It will readily be seen the advantages resulting from the combination with such an instrument of a horn or trumpet, referred to in the specification, not only in largely increasing the volume of tone, but the bend or curve in the trumpet serving, as in other wind-instruments of similar construction, as a handle, by which the performer can more conveniently control the instrument than when using the harmonica alone.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A toy musical instrument consisting of a harmonica and a horn or trumpet attachment combined, and arranged substantially as and for the purpose specified.

2. A harmonica provided with a triangular casing, B, and adapted to form the mouth-piece of a horn or trumpet, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

PETER H. SPORRER.

Witnesses:

THOS. D. D. OURAND,
G. E. HAMILTON.