

(No Model.)

W. A. MUNCH.
MUSICAL INSTRUMENT.

No. 465,487.

Patented Dec. 22, 1891.

Fig 1

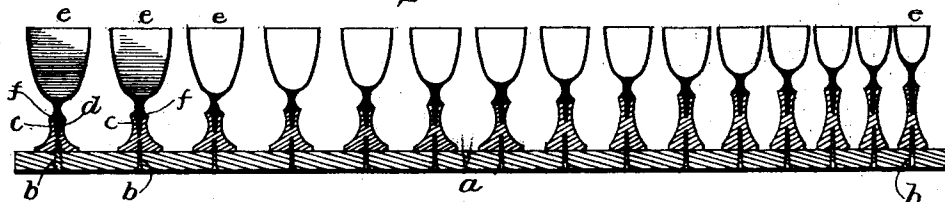


Fig 2

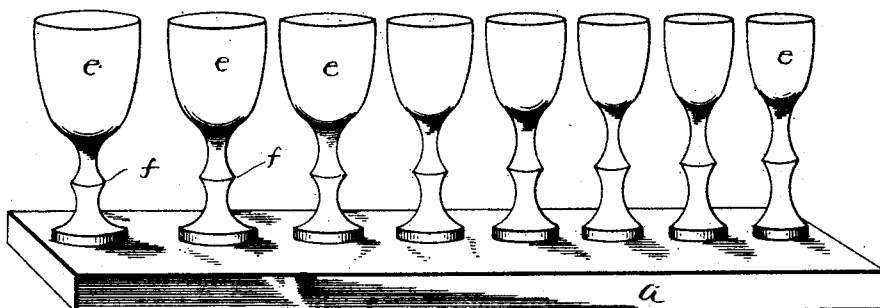
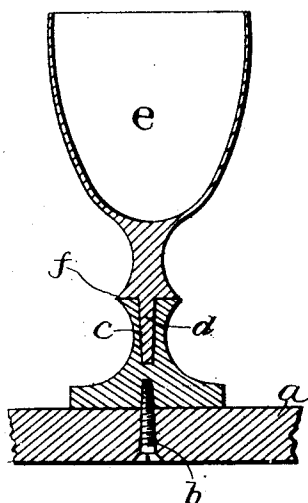


Fig 3



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM ANGUS MUNCH, OF MARION, ALABAMA.

MUSICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 465,487, dated December 22, 1891.

Application filed February 28, 1891. Serial No. 383,256. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ANGUS MUNCH, a citizen of the United States, residing at Marion, in the county of Perry and State of Alabama, have invented certain new and useful Improvements in Musical Instruments; 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.

My invention has reference to an improved form of music-glasses and sockets for holding them, and the object sought to be accomplished is to provide means whereby the glasses can be more easily removed from their bases, and so that they will be retained more securely therein when once placed in position; and with this object in view my invention consists in the peculiar features and combinations of parts more fully described hereinafter, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents a sectional elevation of my improvements as applied to a series of musical glasses, and Fig. 2 a perspective view of the series of my improved glasses. Fig. 3 is a sectional view of a single glass.

The reference-letter *a* represents a straight bar, on which is secured a series of bases fastened to the bar by screws *b*. These bases each have a socket *c*, adapted to receive the peculiar stems *d* of the glasses *e*. The stems are provided with annular flanges *f*, which fit over the tops of the bases, and the lower end of each stem is left perfectly plain and without projections, so that it will more freely enter the socket *c*. The stem is also given a gradual taper toward its lower end, in order to still more readily enter the socket in which the stems are loosely placed.

The bowl of the glasses may be like the usual form of musical glasses, each being given a suitable tone, and they are by preference arranged to the scale of music, with the larger and lower sounding ones on the left and decreasing in size as they ascend the scale and extend toward the right. All are ar-

ranged to have their rims of equal height, the lower notes having short bases, while the higher notes have taller and more slender bases. The advantages of such a construction are that when once the glass is set in its socket it will be securely held and not liable to overturn or become displaced, and if one of the glasses should become cracked or broken a new one can be quickly replaced in the base, and the loss of a glass will not be as great as though the base were integral with the glass.

It is evident that my invention could be varied in many slight ways which might suggest themselves to a skilled mechanic. Therefore I do not limit myself to the exact construction herein shown, but consider myself entitled to all such variations as come within the spirit and scope of my device.

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

1. In a musical instrument, a music-glass having a baseless stem, in combination with a separate base having a socket adapted to receive the stem, in the manner and for the purpose substantially as described.

2. In a musical instrument, a music-glass having a stem, in combination with a separable base, as and for the purpose set forth.

3. In a musical instrument, a music-glass having a stem provided with an annular flange located between its end and the bowl of the glass, in combination with a rigid base provided with a socket adapted to receive the stem, in the manner and for the purpose substantially as described.

4. In a musical instrument, a series of rigid bases having sockets, in combination with a series of glasses provided with stems fitting loosely within the sockets, in the manner and for the purpose substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM ANGUS MUNCH.

Witnesses:

J. T. FITZGERALD,
J. A. MOORE.