No. 664,922. Patented Jan. 1, 1901.

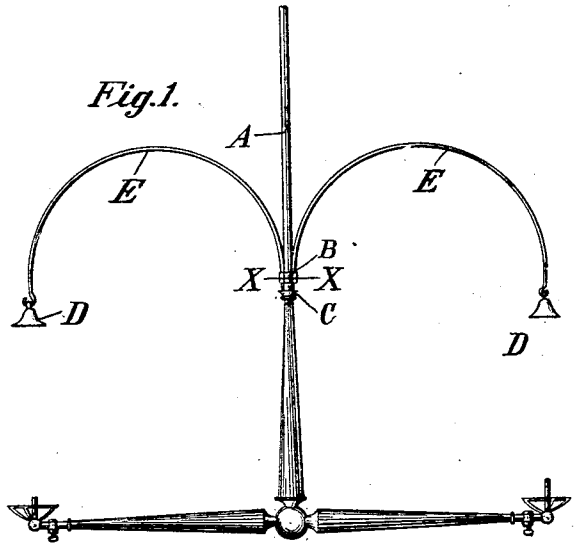
E. W. BENING.

SMOKE BELL.

(Application filed Jan. 11, 1900.)

(No Model.)

Fig. 1.



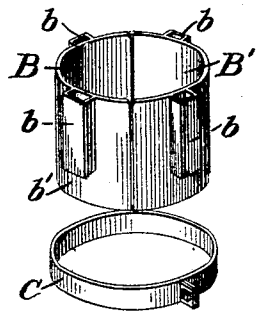


Fig. 2.

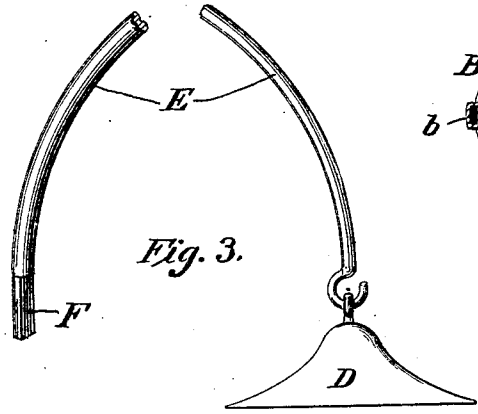


Fig. 3.

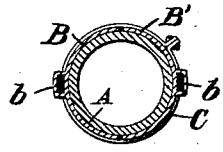


Fig. 4.

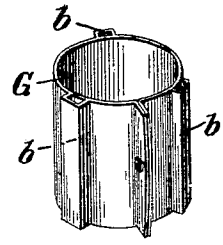


Fig. 5.

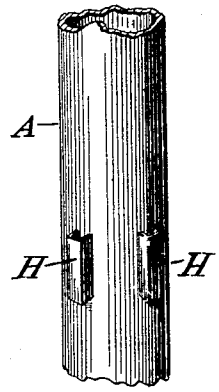


Fig. 6.

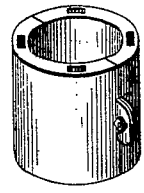


Fig. 7.

Witnesses:
H. S. Austin.
Calvin O. Milam.

Inventor:
Edward W. Bening
By Milo B. Stevens & Co.,
Attys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWARD W. BENING, OF CHICAGO, ILLINOIS.

SMOKE-BELL.

SPECIFICATION forming part of Letters Patent No. 664,922, dated January 1, 1901.

Application filed January 11, 1900. Serial No. 1,054. (No model.)

To all whom it may concern:

Be it known that I, EDWARD W. BENING, a citizen of the United States, residing at 181 Clifton avenue, Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Smoke-Bells; and I do 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in smoke-bells, and has for its object to provide means whereby any number of bells may be detachably secured to a chandelier of any ordinary construction.

The invention contemplates the employment of a spring-ring adapted to be clamped upon the hanger of a chandelier, the said ring being provided with suitable means for retaining in proper position the supporting-arms for the bells.

The invention also contemplates the employment of several segmental sections provided with means for retaining the supporting-arms for the bell and with means adapted to be engaged by a spring-ring or the like for clamping the same upon the chandelier-hanger.

In the accompanying drawings, wherein like letters of reference refer to corresponding parts in the several views, embodiments of the invention are delineated for the sake of illustration.

Figure 1 is a side view of a portion of a chandelier-hanger with the improvement attached. Fig. 2 is a detail perspective view of the segmental sections and the clamping-ring therefor. Fig. 3 is a detail view of a smoke-bell and its supporting-arm, showing the specially-formed end adapted to engage the retaining-pockets on the segmental sections. Fig. 4 is a sectional view on the line X X of Fig. 1, and Figs. 5, 6, and 7 are detail views of modified forms of the invention.

Referring more specifically to the drawings, A designates a hanger of a chandelier of any ordinary construction.

B B′ designate segmental sections adapted to encircle the hanger A. There may be any number of these segments, according to the number of bells desired to be used, the object of the sections being that they may overlap at the ends and be securely clamped in proper position relative one to the other.

On the sides of the respective sections at desirable points are formed vertically-disposed pockets *b*, angular in cross-section and formed either by being struck up from the metal of the segments or otherwise. The pockets extend from the extreme upper ends of the segments down to a point slightly short of the lower ends of the same and may be closed or open at the bottom, leaving a smooth surface *b′* at the lower ends of the segments adapted to be engaged by a spring clamping-ring C to fasten the same upon the hanger of the chandelier.

The smoke-bells (designated at D) are attached in any desirable manner to the outer ends of the supporting-arms E, said arms being curved upwardly and having the vertically-disposed portions F of a cross-section like that of the pockets in the segmental sections. These arms are adapted to be inserted in the pockets and supported thereby in desired positions and held from turning by reason of their peculiar shape. The arms may be soldered in the pockets, or they may be merely inserted therein and readily detachable therefrom.

When a very few number of bells are desired to be used, such as two or three, the supporting means need not be formed of the several sections; but I may provide the desired number of pockets upon a simple clamping-ring G, and in this instance the pockets will be formed the entire length of the ring. It may be found desirable in some instances also to form the hanger of the chandelier with the projecting pockets H, as shown in Fig. 6, when the supporting-arms of the smoke-bells may be inserted or withdrawn therefrom at will.

Fig. 7 shows the pockets formed longitudinally of suitably-thickened segments.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In combination with a chandelier-hanger or the like, of a detachable support compris-

ing a plurality of independently-movable vertically-disposed sections, suspending devices on each of the sections, a ring adapted to encircle all of said sections, and means for clamping the ring to bind the sections together in proper position on the hanger, substantially as described.

2. In combination with a chandelier-hanger, of detachable bell-supporting means thereon comprising a plurality of vertically-disposed substantially segmental sections, elongated pockets formed on each of said sections and extending from approximately the upper edges thereof downwardly to a plane short of their lower edges so as to leave plain surfaces on the sections below the pockets, and means adapted to embrace said plain surfaces below the pockets to clamp the sections in their proper relative positions, and in place on the hanger, substantially as described.

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

EDWARD W. BENING.

Witnesses:
W. J. ROBINSON,
E. M. STALEY.