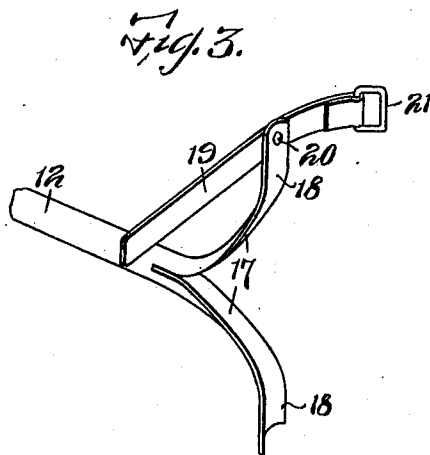
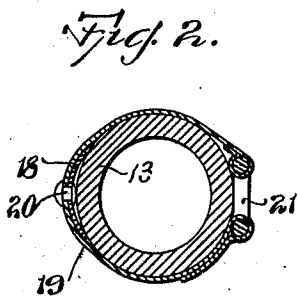
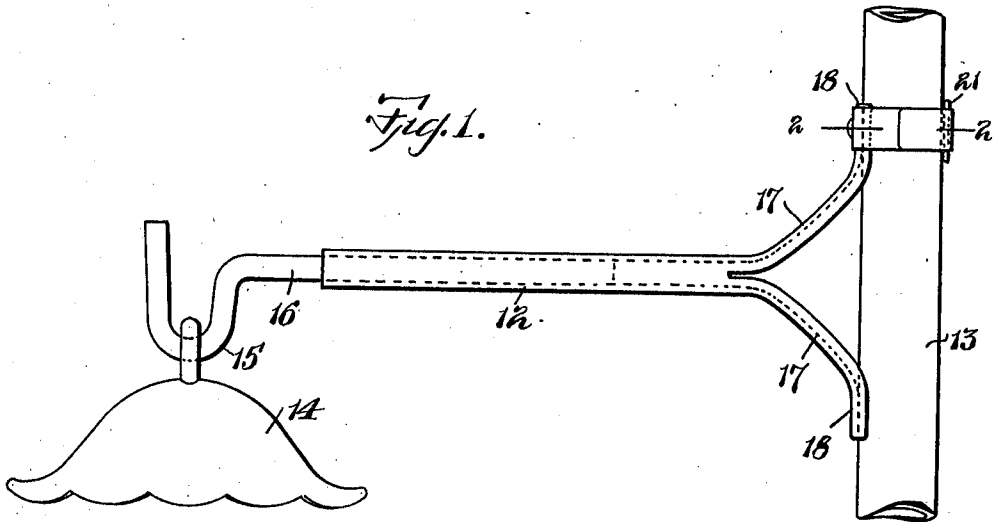


F. H. WATSON.
SMOKE BELL SUPPORT.
APPLICATION FILED AUG. 23, 1910.

989,090.

Patented Apr. 11, 1911.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANK H. WATSON, OF PAWTUCKET, RHODE ISLAND.

SMOKE-BELL SUPPORT.

989,090.

Specification of Letters Patent. Patented Apr. 11, 1911.

Application filed August 23, 1910. Serial No. 578,552.

To all whom it may concern:

Be it known that I, FRANK H. WATSON, of Pawtucket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Smoke-Bell Supports, of which the following is a specification.

This invention has for its object to provide simple and effective means for application to the drop of a chandelier or other pendant fixture, for illuminating purposes, to support a smoke bell or deflector over the flame of a burner on such fixture.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings which form a part of this specification,—Figure 1 represents a side elevation showing a smoke bell support embodying my invention applied to a portion of the chandelier drop. Fig. 2 represents an enlarged section on line 2—2 of Fig. 1. Fig. 3 represents a perspective view of a portion of the support.

Similar reference characters indicate the same or similar parts in all the figures.

In the drawings, 12 represents an arm adapted to be applied to the drop 13 of a chandelier, and to project horizontally from the drop, the term "drop" being intended to designate the vertical member of a chandelier which is suspended from a ceiling, and supports one or more arms equipped with a burner or burners. The outer end of the arm is provided with means for engaging a smoke bell 14, said means as here shown comprising a hook 15 having a shank 16 which is slidably engaged with the arm 12, so that the hook may be located at any desired distance from the drop 13, thus providing for the horizontal adjustment of the bell. The inner end of the arm 12 is provided with two base members adapted to bear on the drop 13, one above and one below the level of the arm 12. The upper base member is provided with means for holding it against the drop at a point higher than the arm 12, the lower base member being adapted to bear loosely against the drop and being held against the latter by the weight of the arm and its load, thus causing frictional resistance to the downward movement of the support as a whole on the drop.

In the embodiment of my invention here shown the arm 12 is a tube in which the

shank 16 is movable endwise. The inner end portion of the tube is split or divided longitudinally into two divisions each including an inclined portion 17 and a vertical portion 18, each of these portions including substantially one-half of the tube so that the vertical portions 18 present concave outer sides adapted to conform approximately to the convex surface of the drop 13.

The preferred means for holding the upper base member against the drop, comprise a metal flexible strip 19 connected by a rivet 20 to the vertical portion 18 of the upper base member and adapted to be bent around the drop 13 to form a clasp, one end of the strip 19 being provided with an eye 21 through which the opposite end portion of the strip may be passed and bent back, as indicated by Fig. 2. The metal strip 19 is sufficiently ductile or free from resilience to enable the backwardly bent end to remain in the position shown.

When the clasp 19 is caused to closely embrace and thereby frictionally engage the drop 13, it holds the upper base member pressed against the drop, and prevents said upper member from swinging outwardly from the drop. The weight of the arm and its load is at the same time exerted on the portion of the lower base member bearing on the drop, and holds the latter so closely pressed against the drop as to create a frictional resistance to the downward movement of the support as a whole upon the drop, the weight of the arm and its load pressing the clasp against one side of the drop, and the lower base member against the opposite side of the drop, so that an effective frictional engagement is set up between the support and the drop. The support is therefore maintained wholly by friction at any point to which it may be adjusted on the drop and is adapted to be quickly and conveniently secured to and removed from the drop. The base members 17 serve as braces to prevent the arm from sagging.

I claim:

A smoke bell support comprising a tubular arm provided at its outer end with means for engaging a smoke bell, and longitudinally divided at its inner end into two base members which are integral with the arm and are bent to form inclined portions diverging from the arm, and vertical portions

arranged substantially at right angles with the arm and adapted to bear on the drop of a chandelier, one above and the other below the body portion of the arm, and means
5 for holding the upper member in frictional contact with one side of the drop, the lower member being pressed against the same side of the drop, at a lower point, by the weight of the arm and its load, said base members

serving as braces to prevent sagging of the 10 arm.

In testimony whereof I have affixed my signature, in presence of two witnesses.

FRANK H. WATSON.

Witnesses:

FRANK B. MOONEY,
SARAH J. HORNBY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
