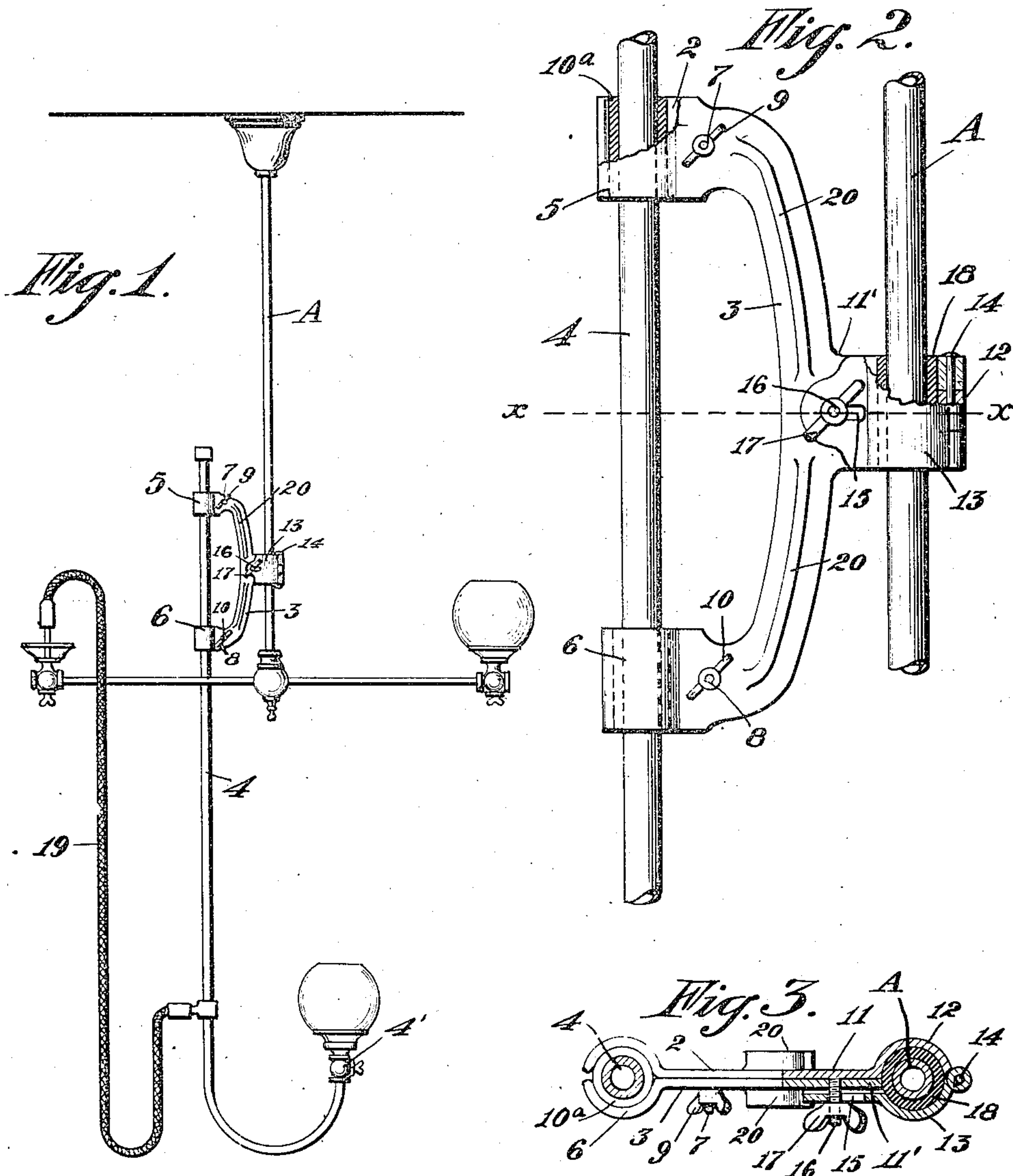


F. K. BARTHOLOMEW.
ADJUSTABLE DROP LIGHT ATTACHMENT.
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980,742.

Patented Jan. 3, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

FLEURY K. BARTHOLOMEW, OF CAMPBELL, CALIFORNIA.

ADJUSTABLE DROP-LIGHT ATTACHMENT.

980,742.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed March 15, 1910. Serial No. 549,506.

To all whom it may concern:

Be it known that I, FLEURY K. BARTHOLOMEW, citizen of the United States, residing at Campbell, in the county of Santa Clara and State of California, have invented new and useful Improvements in Adjustable Drop-Light Attachments, of which the following is a specification.

This invention relates to a drop-light attachment for ordinary chandeliers and gas fixtures and the like.

The object of this invention is to provide a simple, cheap and practical drop-light attachment for gas fixtures and chandeliers, by means of which the light may be adjusted to various positions.

A further object is to provide a drop-light attachment which can be applied to any vertical support, and which will be sufficiently rigid to sustain the suspended parts and retain them securely in position.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is an elevational view showing the invention as applied. Fig. 2 is an enlarged detailed view of the invention, with parts broken away. Fig. 3 is a cross-section on the line X—X, Fig. 2.

In the drawings, A represents an ordinary gas chandelier or pendant suspended from the ceiling of a room, and to which the invention is designed to be attached.

The invention resides in a bifurcated compound clamp which is substantially of Y-shape, with the stem of the Y adapted to grasp the pipe A of the fixture, and the arms of the Y having clamp members to adjustably grip the drop pipe 4. As here shown, this Y-clamp comprises a pair of flat plates 2—3 placed face to face and detachably secured together by means of wing-nuts and threaded spindles, as later described.

The terminations of the bifurcated or forked plates 2—3 are bowed or hook-shaped, so as to conform to the periphery of the drop gas pipe 4, these bowed terminations forming the jaws of oppositely disposed clamp members 5—6, arranged in axial line and through which the drop pipe 4 is adapted to slide; these clamps 5—6 being widely separated so as to form a substantial friction support for the pipe 4.

The jaws of the clamps 5—6 are adjusted so as to frictionally grip the pipe 4, by means of threaded studs 7—8 secured to the plate 2 and passing through perforations in the plate 3 and having wing-nuts 9—10 screwed on the outer ends thereof. These studs 7—8 and wing-nuts 9—10 are disposed adjacent to the clamps 5—6 respectively, in such manner that when the nuts 9—10 are tightened on the studs 7—8, the terminations of the plates 2—3 will be drawn together so as to frictionally grip the pipe 4 in the jaws of the clamps 5—6. A packing ring 10^a of felt, rubber or other suitable material may be interposed between the jaws of the clamps 5—6 and the pipe 4, so as to form a cushion or soft contact at this point to prevent marring of the finished surface of the pipe 4 as the latter slides up and down in the grips 5—6.

The plates 2—3 are extended at right angles to the juncture of the bifurcated portions and midway between the clamps 5—6, as at 11—11', Fig. 3; this part 11—11' forming the stem of the Y. The extended portion 11 of the plate 2 is bowed outwardly to form a rigid jaw 12 of a clamp, and the portion 11' of the plate 3 is terminated at the inner edge of the jaw 12, as shown in Fig. 3. An adjustable clamp-jaw 13 is hinged at 14 to the outer end of the jaw 12, and is adapted to coact with the jaw 12 so as to grip the pendent pipe A which passes between the jaws 12—13. The free end of the jaw 13 is slotted at 15 to pass over a threaded stud 16. This stud 16 is mounted on the plate 2 and extends through a perforation in the plate 3. A wing-nut 17 is adapted to be screwed on the stud 16 so as to clamp the pipe A securely between the jaws 12—13. A packing ring 18 may be inserted between the jaws 12—13 and the pipe A, so as not to mar the latter.

To apply this invention, the pair of plates 2—3 are separated sufficiently, by loosening the nuts 9—10—17 on their respective studs 7—8—16, to permit of the clamps 5—6 being placed over the pipe 4 which carries a drop-light burner 4' at its lower end; and the hinge jaw 13 is opened by removing the nut 17, so as to permit of the jaw 12 being placed against the pipe A, whereupon the jaw 13 is closed upon the pipe A and clamped thereon by screwing the nut 17 on the stud 16, as before described. By loosening

ing the nut 17 the attachment may be moved to any desired position on the pendant A and clamped thereon.

5 The drop gas pipe 4 is suitably connected with the gas supply, as by means of the flexible tubing 19, as shown in Fig. 1. By this attachment the elevation of the drop-light can be changed at will by simply sliding the pipe 4 up or down in its grips 5—6.

10 The plates 2—3 are reinforced by means of ribs or webs 20 so as to stiffen the plates and prevent buckling or twisting, thus permitting of the use of thinner plates than could otherwise be used.

15 The importance of making the clamp attachment Y-shaped is to afford, first, a neat mode of attachment to the fixture, and second, to provide a neat, simple and substantial means for frictionally supporting the drop pipe—gripping it at two comparatively-widely separated points, as by the clamp members 5—6.

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

1. A substantially Y-shaped clamp mem-

ber, the stem portion of the Y having means for clamping it to a fixture, said means including a stationary jaw member and a member hinged thereto, and the branches of the Y spread and formed of a pair of plates and terminating in a pair of clamping members whose axes are substantially in line. 30

2. A substantially Y-shaped clamp member, the stem portion of the Y having means 35 for clamping it to a fixture, said means including a stationary jaw member and a member hinged thereto, and the branches of the Y spread and formed of a pair of plates which terminate in a pair of clamping members whose axes are substantially in line, said Y clamp split centrally in the plane of its clamping means, and screw devices for holding the parts together and manipulating the clamping members. 40

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FLEURY K. BARTHOLOMEW.

Witnesses:

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