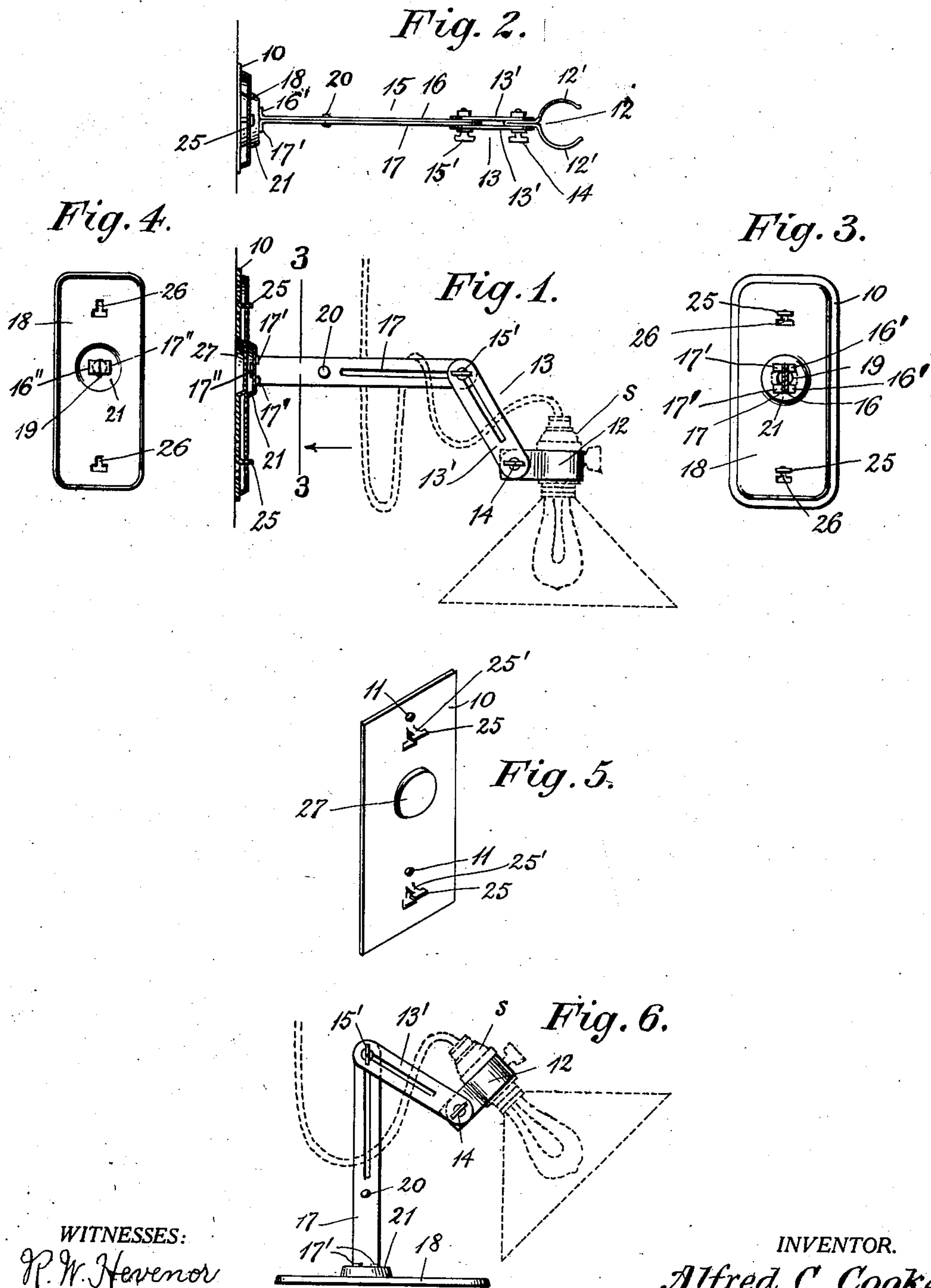


A. C. COOKE.  
LIGHT FIXTURE.  
APPLICATION FILED OCT. 23, 1907.

908,751.

Patented Jan. 5, 1909.



WITNESSES:  
R. W. Havenor  
R. Helen Schmelz

INVENTOR.  
Alfred C. Cooke,  
BY  
Chas. Francis Schmelz  
ATTORNEY.



# UNITED STATES PATENT OFFICE.

ALFRED C. COOKE, OF ROCKYHILL, CONNECTICUT.

## LIGHT-FIXTURE.

No. 908,751.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed October 23, 1907. Serial No. 398,693.

*To all whom it may concern:*

Be it known that I, ALFRED C. COOKE, a citizen of United States, and resident of Rockyhill, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Light-Fixtures, of which the following is a full, clear, and exact specification.

This invention relates to light-fixtures, and more especially to that class thereof which are adapted to receive and hold the sockets of incandescent electric lights, and it has for one of its objects the provision of a holder which comprises a plurality of articulated sections or members which permit the light to be thrown into any desired direction without affecting the position of the base, which may be adapted either to be placed on a table, or attached to a wall.

My invention has, furthermore, for its object the provision of a holder of this character, which is made of sheet metal and the several parts of which may be stamped out by punches and dies, thus rendering the entire device light in weight and cheap in manufacture.

My invention has, furthermore, for its object the combination, with the foot plate of the holder, of a base or supporting plate to which the foot plate may be readily attached without extraneous means, so that a number of such base plates may be provided within the reach of the "lamp cord", and the light holder itself, with the light, may be bodily transferred from one base plate to any other without difficulty.

Another object of the invention resides in the provision of means for locking the foot plate of the holder against accidental displacement on the base plate.

Further objects of the invention will hereinafter appear and be particularly pointed out in the claims.

The invention has been clearly illustrated in the accompanying drawings in which similar characters denote similar parts and in which—

Figure 1 represents a side view of my improved fixture attached to the wall of a building. Fig. 2 is a top view thereof partially in section. Fig. 3 shows a section on line 3—3 of Fig. 1. Fig. 4 is a rear view of the foot plate. Fig. 5 represents a perspective view of a base plate, and Fig. 6 shows the device removed from the base plate and standing on a table or bench.

Primarily my improved light fixture is designed for use in shops or factories where one light is generally allotted to each workman and where in most cases the bench work is apt to require the light to be portable so as to meet different conditions.

In view of the fact that in many places large numbers of workmen are employed, and the installation of a corresponding number of the light fixtures heretofore in use is practically prohibitive on account of their cost, it has been my aim to provide a fixture which is very inexpensive to manufacture, easy to handle, and adapted to be used either as a wall bracket, a stand, or a portable light, without necessitating the removal of the lamp socket from its holder. In its preferred form this fixture comprises two sections, a base plate and a light holder, both parts being formed of stamped sheet metal so as to meet all requirements of lightness in weight, strength of support, interchangeability, cheapness of manufacture, and universality of position and adjustment.

Referring to the drawings, the numeral 10 denotes the base plate of the device, a number of which may be secured in any suitable manner to the wall or the window casings of a building, and which consists substantially of a sheet metal plate, having perforations 11 for the fastening devices. The lamp holder comprises a series of articulated members, to wit, a light-clamp consisting of a sheet metal strip doubled upon itself and adapted to receive the key socket S of the electric light, the branches 12' 12' being preferably resilient in order to permit the insertion or removal of the socket.

The shank portion of the clamp is pivoted to an arm 13, consisting of a pair of slotted sheet metal members 13' 13', having a binding screw 14 for frictionally holding the clamp 12, and also a binding screw 15' for clamping said arm members 13' to a slotted post 15, which comprises a pair of adjacently disposed metal strips 16, 17. This post is swiveled in a foot plate 18 provided with a circular aperture 19 (see Fig. 3) to permit the rotation of the post which is held in contact with the foot plate by virtue of laterally projecting feet 16' 16'' of the strip 16, and the feet 17' and 17'' of the post strip 17. The feet 16' 16'' are formed by slitting the lower portion of the post 16,



and bending them outward and at right angles relatively to said post, the feet 16' being disposed above the top surface of the foot plate 18; while the feet 16'' are disposed at the under side thereof. The same construction applies to the post member 17, the feet 17', 17'' of which are similarly bent but in a reverse direction from that of the feet 16', 16'' so that consequently the post in its entirety is firmly held in position on the plate 18 without, however, interfering with its rotation therein, inasmuch as the width of webs of the central feet 16'', 17'', is substantially equal to the diameter of the aperture 19, through which they pass. If desired, the post strips 16, 17, may be riveted together as at 20 to stiffen the structure. The foot plate 18 is slightly cupped near its central portion, as at 21, so as to form a recess in which the post feet 16'' 17'' may freely move without contacting with or projecting beyond the lower surface of said plate.

Means are provided for removably holding the foot plate 18 on the base plate 10 above mentioned, these means consisting preferably of a pair of buttons 25 stamped out of the base plate and bent outward as shown in Fig. 5, so that the shank 25' may rest in slot 26 in the foot plate, as will be readily understood. In order to position the foot plate 18 on the base plate 10 and to prevent the same against accidental displacement, I provide a projection 27 on the latter so that a slight outward pull must be exerted on the foot plate before the latter can be raised to disengage the latter from the base 18, after which the fixture may be transported either to another base plate or to stand in an upright position as shown in Fig. 6.

While the above description deals particularly with a light-fixture which is made of sheet metal it should be understood that the

invention is not confined to that construction, especially as far as the foot plate is concerned, inasmuch as a heavy casting may be deemed more desirable, or the base plate may be "loaded" on account of the stability required when the fixture is intended to be used as a stand, this construction not interfering with the other features of the device.

I claim—

1. The combination, with a foot plate, having an aperture, of a post passing through and freely rotatable in said aperture and having lateral projections for engaging the opposite sides of said plate, and a socket clamp carried by said post.

2. A light-fixture comprising a socket clamp, a post formed of a strip of sheet metal, slitted to form outwardly and oppositely bent feet at its lower end, and a foot plate interposed between and in engagement with said feet.

3. The combination, with a clamp, a post for supporting said clamp, and a foot plate rotatably supporting said post, of a base plate, and means for removably holding said foot-plate on the base plate.

4. The combination, with a clamp, a post for supporting said clamp, and a foot plate rotatably supporting said post and having slots, of a base plate having buttons for entering said slots and for removably holding said foot plate on the base plate.

5. The combination, with a clamp, a post for supporting said clamp, and a foot plate attached to said post and having a recess, of a base plate having a projection adapted to enter said recess for positioning said foot plate on the base plate, and means for removably holding the foot plate on the base plate.

ALFRED C. COOKE.

Witnesses:

EMMA E. JOHNSON,  
CHAS. F. SCHMELZ.