

(No Model.)

J. R. BUTLER.

ADJUSTABLE LAMP BRACKET.

No. 335,503.

Patented Feb. 2, 1886.

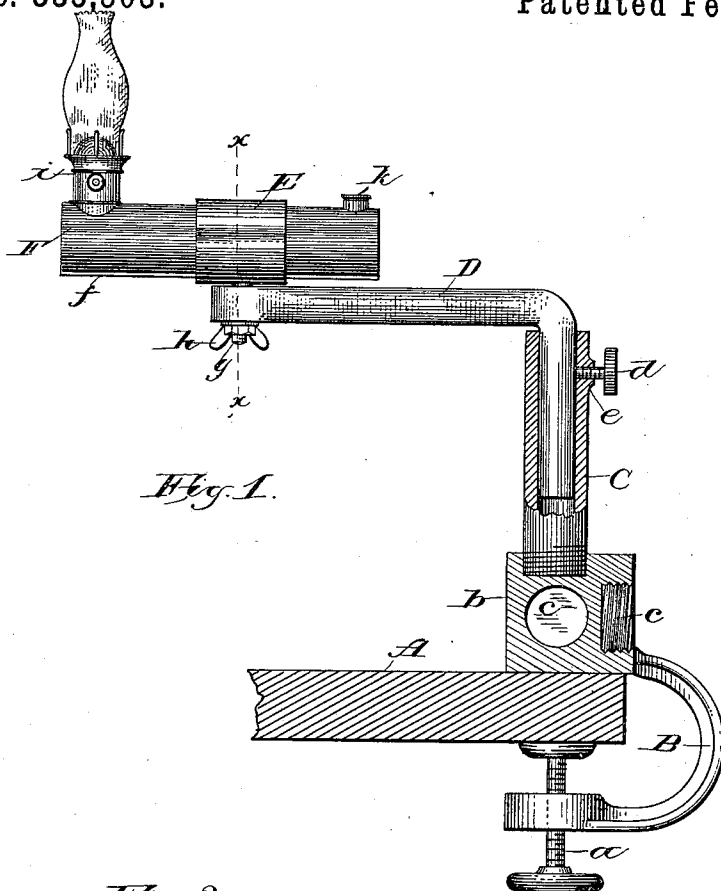
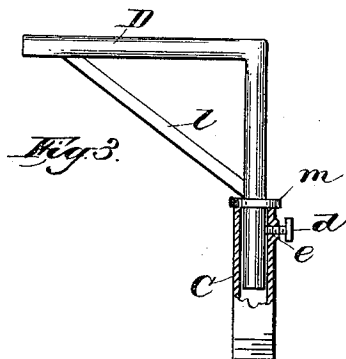
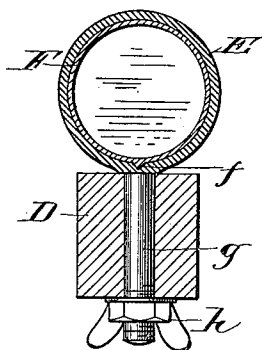


Fig. 1.

Fig. 2.



Witnesses:

E. G. Smith

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UNITED STATES PATENT OFFICE.

JOHN R. BUTLER, OF MILWAUKEE, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO JOHN C. ZIMMERMAN, OF OSHKOSH, WISCONSIN.

ADJUSTABLE LAMP-BRACKET.

SPECIFICATION forming part of Letters Patent No. 335,503, dated February 2, 1886.

Application filed September 14, 1885. Serial No. 177,021. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. BUTLER, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Adjustable Lamp-Brackets; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to adjustable lamp-brackets; and it consists in certain peculiarities of construction, as will be hereinafter fully described.

In the drawings, Figure 1 represents a side elevation of my invention, partly in section. Fig. 2 is a transverse section on line *x x*, Fig. 1; and Fig. 3 a side elevation, partly in section, of another form of bracket adapted for use with my invention.

A represents a portion of a table or other support, to which my adjustable bracket may be attached by means of its clamp portion B, provided with a set-screw, *a*, having a bearing in the lower end of said clamp. The upper portion of the clamp terminates in a head, *b*, the under side of which is designed to bear upon the table or support A. This head *b* of the clamp has each of two or more of its sides provided with a socket, *c*, adapted to receive one end of a vertical sleeve, C, which in turn receives the vertical end of an angle-arm, D, said arm being retained in any position to which it may be vertically or horizontally adjusted by means of a set-screw, *d*, having a bearing, *e*, in the sleeve C.

At the forward end of the angle-arm D is pivotally connected a bearing, E, for a lamp having its reservoir F horizontally extended, as shown by Fig. 1. This bearing has its head portion in the form of a sleeve constructed upon the interior to correspond with the contour of the lamp-reservoir, which latter said sleeve entirely encircles, and if desired the sleeve may be provided with an internal groove adapted to engage a feather, *f*, upon said lamp-reservoir.

From the head or sleeve of the bearing E depends a pin, *g*, adapted to engage a perforation in the angle-arm D, so that the lamp may be swung around to have its burner at any point within the radius of a circle without in-

terfering with the adjustment of the bracket. The pin *g* is screw-threaded at its lower end to engage a set-nut, *h*, by which latter the lamp may be retained in its adjusted position.

By the above construction and arrangement of the bearing with relation to the lamp and bracket said lamp is rendered capable of adjustment in either or both a radial or horizontal direction independent of the bracket. The feather upon the reservoir portion of the lamp, when in engagement with the groove in the bearing E, acts to prevent the lamp from turning, and thus keeps its burner *i* always in the proper position; but the feather may be withdrawn from the sleeve E and the groove on the lamp-reservoir F; or in place of the feather and its corresponding groove the shape of the lamp-reservoir F and bearing E may be modified in any way, so that the latter entirely encircles and has its interior constructed to conform with the contour of the former, and thereby prevent the said lamp from turning or tipping. The burner *i* and the screw-cap *k*, covering the port through which oil is introduced into the reservoir, act as stops to prevent the lamp-reservoir from being accidentally withdrawn from or sliding out of its bearing, yet permitting the said lamp-reservoir to have longitudinal movement and adjustment within said limits. By having the head portion *b* of the clamp socketed upon several of its sides the bracket can be readily employed in connection with either a vertical or horizontal support, so as to have the sleeve C always in an upright position, it being only necessary to connect said sleeve with that socket which may be uppermost in the clamp.

This adjustable lamp-bracket is especially adapted for sewing-machine tables, so as to always have the lamp in the best possible position for use; but said bracket is equally adaptable to other tables or supports.

In Fig. 3 I have shown another form of adjustable lamp-bracket, which consists of the angle-arm D, vertically adjustable in the sleeve C, and provided with a brace-piece, *l*, and stop *m*. In this form the bracket is designed to be directly connected to a table or other support by means of the sleeve C engaging directly with a socket formed in said table or

support, the stop *m* preventing the vertical end of the angle-arm from dropping down too far in said sleeve when the set-screw *d* is loosened to vary the adjustment of the parts.

5 I am aware that heretofore lamp-brackets have been constructed with a sleeve-like head to embrace the standard of a lamp, and also that lamp-brackets have heretofore been devised to support a lamp the reservoir of which
10 extends horizontally; hence I do not claim such features, broadly.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is--

15 1. The combination of a suitable bracket and a lamp having a horizontally-extended reservoir, with a bearing having its head portion in the form of a sleeve adapted to entirely encircle the lamp-reservoir, and constructed
20 upon its interior to conform with the contour of said reservoir, and provided with a depending pin designed to pivotally engage the brack-

et-arm, and a set-nut adapted to operate upon the lower end of said pin, substantially as and for the purpose set forth. 25

2. An adjustable bracket and a lamp having a horizontally-extended reservoir provided with an external feather, in combination with a bearing having a depending pin adapted to pivotally engage the bracket and its head
30 portion internally constructed to encircle the lamp-reservoir, and provided with a groove to engage the feather on said reservoir, and a set-nut adapted to operate on the depending pin of the bearing, substantially as and for the purpose set forth. 35

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

JOHN R. BUTLER.

Witnesses:

H. G. UNDERWOOD,
MAURICE F. FREAN.