No. 828,709. PATENTED AUG. 14, 1906.

A. B. BUCKLAND.

ADJUSTABLE INCANDESCENT LIGHT HOLDER.

APPLICATION FILED JAN. 22, 1906.

2 SHEETS—SHEET 1.

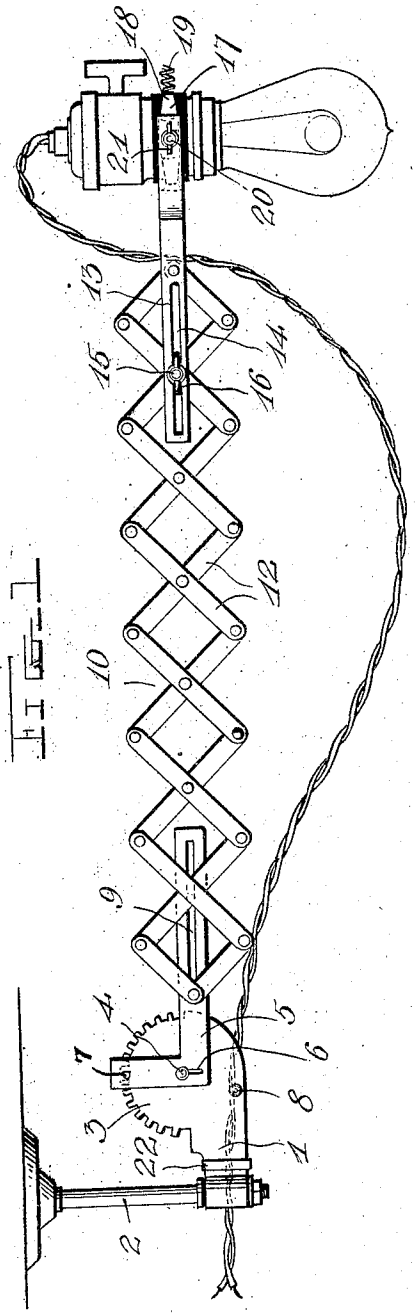


Fig. 1

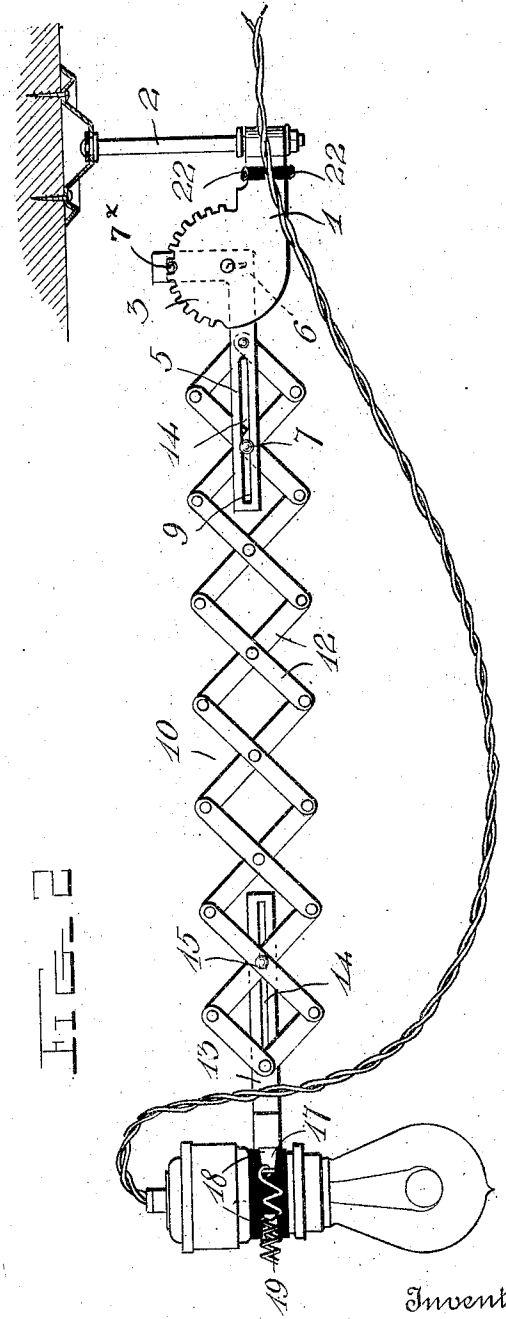


Fig. 2

Witnesses

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2 SHEETS—SHEET 2

FIG. 3

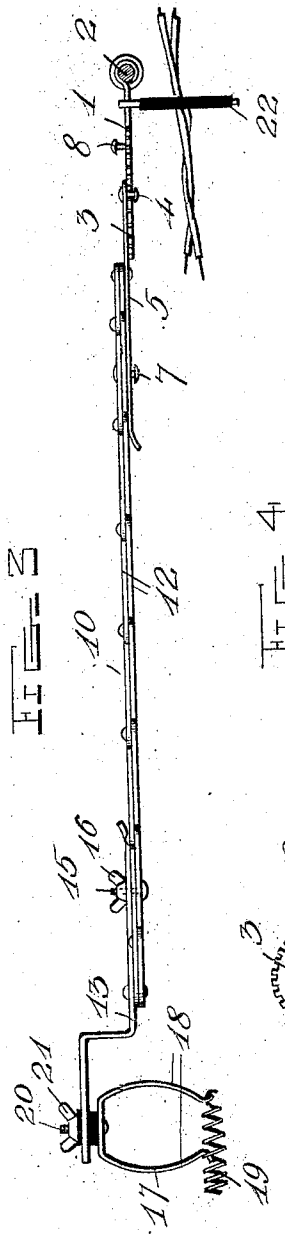


FIG. 4

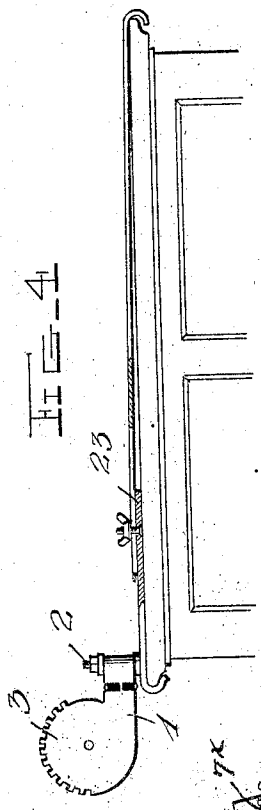
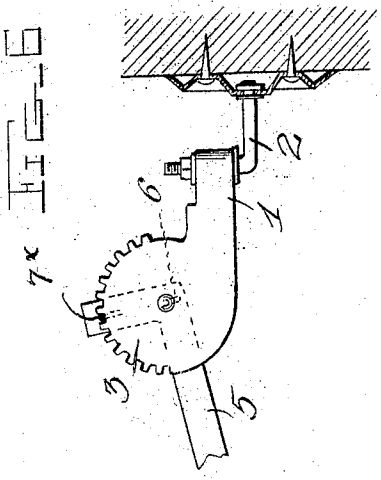
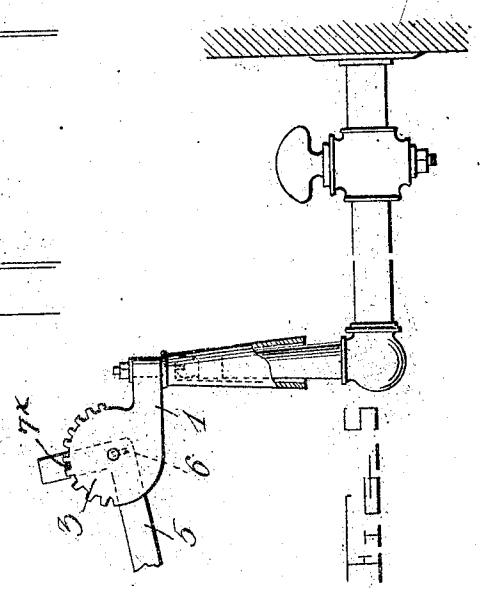


FIG. 5





Witnesses

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UNITED STATES PATENT OFFICE.

AMOS B. BUCKLAND, OF ROCHESTER, NEW YORK.

ADJUSTABLE INCANDESCENT-LIGHT HOLDER.

No. 828,709. Specification of Letters Patent. Patented Aug. 14, 1906.

Application filed January 22, 1906. Serial No. 297,310.

To all whom it may concern:

Be it known that I, AMOS B. BUCKLAND, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Adjustable Incandescent-Light Holders: 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.

This invention relates to improvements in incandescent-lamp holders, whereby said lamp may be held in any desired position, means being provided whereby the holder may be quickly adjusted to change the position of the lamp.

A further object is to provide means for attaching the holder in various positions to the ceiling or side walls of a room or to a desk.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of the bracket, showing the same attached to a ceiling and supporting a lamp. Fig. 2 is a similar view of the opposite side of the holder, parts of the bracket-arm being broken away. Fig. 3 is an edge view of the same. Fig. 4 is a detail side view of the attaching end of the bracket, showing the manner of connecting the same to a desk. Fig. 5 is a similar view showing the manner of connecting the attaching end to a gas-burner. Fig. 6 is a similar view showing the manner of connecting the same to a wall or side bracket.

Referring more particularly to the drawings, 1 denotes a supporting-arm, which is adapted to be pivotally connected on the lower end of a bracket 2, said bracket being secured to the ceiling or side wall of a room or to a desk or other support. On the supporting-arm 1 is formed a toothed segment 3, and in the center of said segmental portion of the arm is arranged a laterally-projecting headed stud 4, on which is slidably and pivotally mounted a right-angularly-formed connecting-bar 5. Said bar is provided with a slot 6, whereby the same is slidably connected with the stud 4, as shown. One end of said right-angularly-formed connecting-bar projects a short distance beyond the upper edge of the toothed segment 3, and on said projecting end of the bar is arranged a laterally-projecting stud $7^{\times}$, and when the bar 5 is moved upward on the pivot-stud 4 said stud $7^{\times}$ is disengaged from the teeth of the segmental rack 3, and the bar can then be moved on the pivot 4 to either of the positions shown in Figs. 5 and 6, and then said stud $7^{\times}$ may be engaged with one of the teeth of said segmental rack or toothed segment 3, thereby holding said right-angularly-formed connecting-bar at various angles with respect to the supporting-frame. On said supporting-frame is arranged a laterally-projecting stud 8, against which the bar 5 is adapted to strike, thereby limiting the movement of said bar in one direction.

In the longer end of the bar 5 is formed a longitudinally-disposed slot 9, through which a stud 7 projects, and to said end of the bar is pivotally connected the inner end of an adjustable supporting-arm 10, said arm being in the form of lazy-tong bars 12. To the outer end of the arm 10 is pivotally connected a lamp-holding arm or bar 13, the inner end of which is provided with a longitudinally-disposed slot 14, through which is adapted to project a guide-screw 15, said screw forming the central pivotal connection of one pair of the lazy-tong bars 12. On the outer end of the guide-screw 15 is screwed a clamping-nut 16, said nut being adapted to be screwed into tight engagement with the slotted end of the arm or bar 13, thereby holding or locking the lazy-tong bars in their adjusted position, and thus holding the supporting-arm 10 in an extended or retracted position.

The arm or bar 13 has preferably formed therein a right-angular offset, and to the end of said offset portion of the bar is pivotally connected a lamp-holding clip 17. Said clip consists of a pair of spring-arms 18, the outer ends of which are connected by a coil-spring 19, thereby affording an adjustable yielding holding device for the lamp. The clip 17 is insulated from the end of the arm 10 and is pivotally connected thereto by means of a screw 20, which passes through the clip and the end of the bar and is provided with a clamping-nut 21, whereby the same may be held rigidly at various angles, thus permitting the lamp to be supported in any desired position. To the supporting-arm 1 is secured a wire-holding device 22, said device being preferably in the form of a clip, consisting of curved spring-metal arms which are

preferably covered with a suitable insulated material.

By means of a supporting device such as herein shown and described an incandescent lamp or other article may be supported in various positions, means being provided whereby said supporting device may be attached to a ceiling, as shown in Fig. 1, or to a desk, as shown in Fig. 4, in which instance a suitable clamp or attaching device 23 is provided to connect the bracket 2 to the desk, means being also provided whereby the supporting-bracket may be connected to a gas-burner, as shown in Fig. 5, or to a side wall, as shown in Fig. 6.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. In a holder of the character described, the combination with an attaching-bracket, of a supporting-arm pivotally mounted on said bracket, a toothed segment formed on said arm, lazy-tong bars, a slotted right-angularly-formed connecting-bar adapted to pivotally and adjustably connect said lazy-tong bars to said supporting-arm, means for holding said connecting-bar in adjusted position, and a lamp-holder connected to the opposite end of said lazy-tong bars, substantially as described.

2. In a holder of the character described, the combination with an attaching-bracket, of a supporting-arm pivotally mounted on said bracket, a toothed segment formed on said arm, lazy-tong bars, a slotted right-angularly-formed connecting-bar to pivotally and adjustably connect said lazy-tong bars to said supporting-arm, a stud arranged on said connecting-bar to engage the teeth on said segment, thereby holding said lazy-tong bars at different angles, a lamp-holder pivotally mounted on the opposite end of said lazy-tong bars, and means to hold the latter in their adjusted position, substantially as described.

3. In a holder of the character described, the combination with an attaching-bracket, of a supporting-arm pivotally mounted on said bracket, a toothed segment formed on said arm, lazy-tong bars, a slotted right-angularly-formed connecting-bar to pivotally and adjustably connect said lazy-tong bars to said supporting-arm, a stud arranged on said connecting-bar to engage the teeth on said segment, thereby holding said lazy-tong bars at different angles, means arranged on said supporting-plate to limit the movement of said connecting-bar in one direction, a slotted locking-bar arranged on the outer end of said lazy-tong bars, means in connection with said locking-bar to secure said lazy-tong bars in adjusted position, a lamp-holder pivotally connected to the outer end of said locking-bar, substantially as described.

4. In a holder of the character described, the combination with an attaching-bracket, of a supporting-arm pivotally mounted on said bracket, a toothed segment formed on said arm, lazy-tong bars, a slotted right-angularly-formed connecting-bar to pivotally and adjustably connect said lazy-tong bars to said supporting-arm, a stud arranged on said connecting-bar to engage the teeth on said segment, thereby holding said lazy-tong bars at different angles, a slotted locking-bar arranged on the outer end of said lazy-tong bars, a locking-screw and nut to engage the slot in said locking-bar, a spring-holding clip pivotally mounted on the outer end of said locking-bar, and a spring-metal, wire-supporting clip connected to said supporting-plate, substantially as described.

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

AMOS B. BUCKLAND.

Witnesses:
EDWARD J. BIEDER,
CHARLES M. ALLEN.