

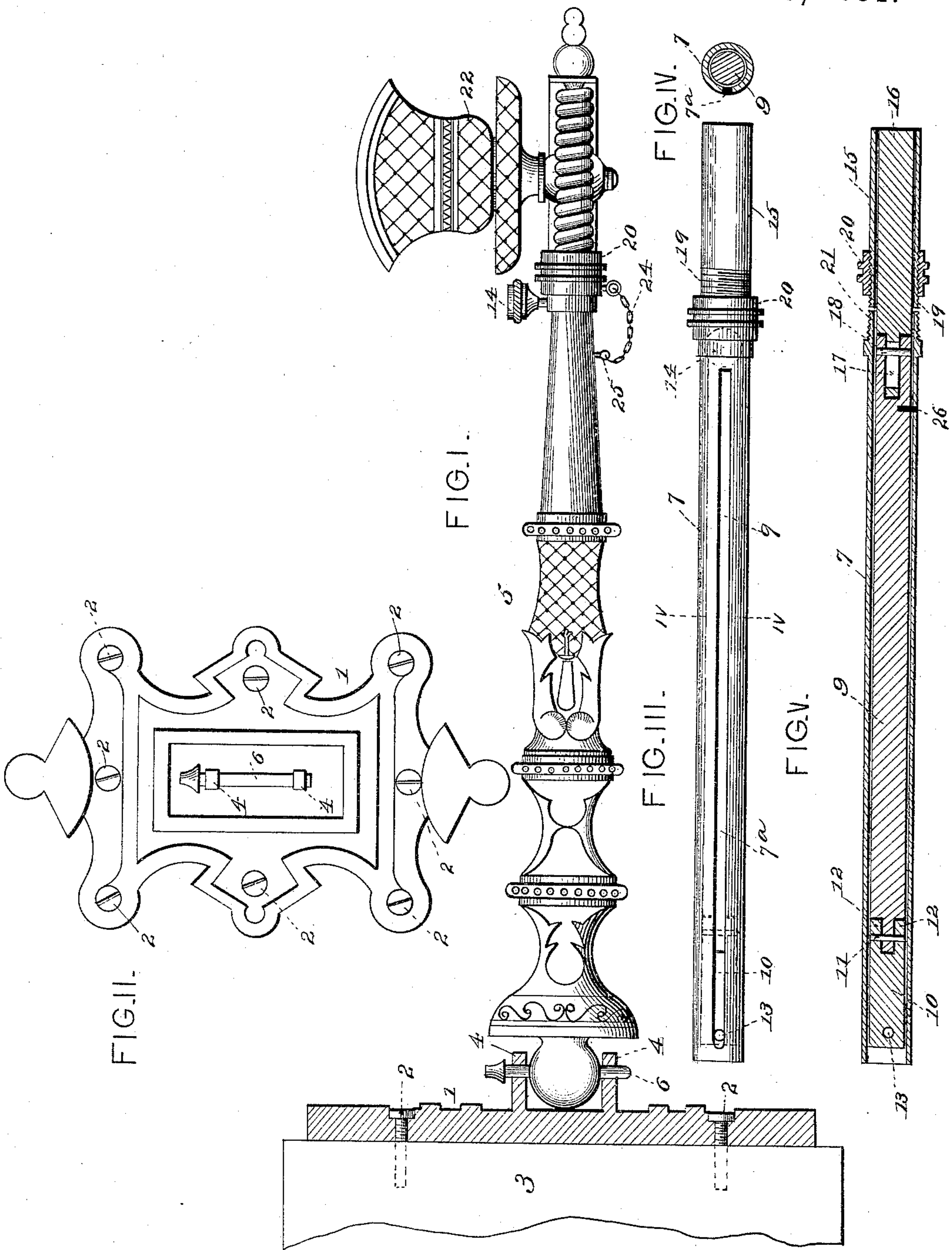
(No Model.)

2 Sheets—Sheet 1.

A. HECKL.  
CANDLESTICK.

No. 445,555.

Patented Feb. 3, 1891.



Witnesses:  
Harry S. Rohrer.  
Walter Allen

Inventor:  
Adalbert Heckl.

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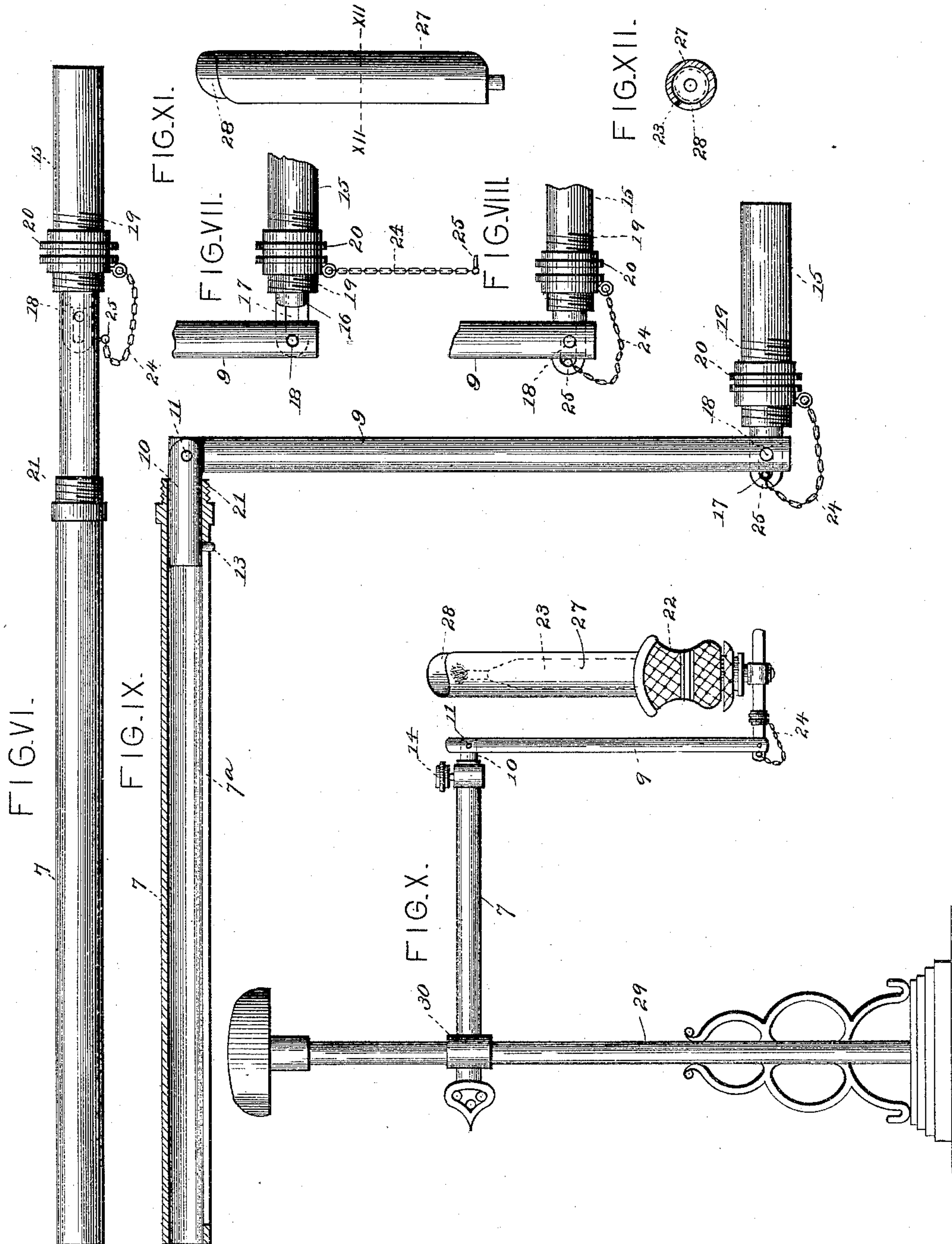
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# UNITED STATES PATENT OFFICE.

ADALBERT HECKL, OF MANNHEIM, GERMANY.

## CANDLESTICK.

SPECIFICATION forming part of Letters Patent No. 445,555, dated February 3, 1891.

Application filed September 2, 1890. Serial No. 363,760. (No model.)

*To all whom it may concern:*

Be it known that I, ADALBERT HECKL, of Mannheim, Grand Duchy of Baden, German Empire, have invented new and useful Improvements in Candlesticks, of which the following is a specification.

My invention relates to an improved candlestick, and especially to a piano scone or bracket, and has for its object to throw the light issuing therefrom directly upon the music sheet or book, and to preserve the eyes from the rays of light, while by its use the disagreeably smelling and inflammable petroleum, &c., can be dispensed with. For these reasons the arrangement of the scone or bracket in its preferred form is such that when not in use it has the appearance of a holder formed of a movable horizontal and rigid rod, such as hitherto used, while when it is in use it assumes such a form that the light issuing therefrom is as deep as allowable, and consequently brilliantly illuminates the music-sheet of the player.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure I is a side elevation of my improved scone or bracket. Fig. II is a front elevation of the supporting-plate to which the arm is hinged. Fig. III is a side view of the bushing or tube and sliding rod. Fig. IV is a transverse section thereof on the line IV IV, Fig. III. Fig. V is a longitudinal section of the bushing or tube and sliding rod. Fig. VI is a side view of the bushing or tube, the sliding rod being partly drawn out. Fig. VII is a side view of the outer end of the sliding rod and carrier, the latter being turned at right angles to the former and occupying a horizontal position. Fig. VIII is a side view of the outer end of the sliding rod and carrier, the latter being turned at right angles to the former, occupying a horizontal position and seated. Fig. IX is a side elevation of the bushing or tube, sliding rod, carrier, and holder in position for use, the carrier being locked. Fig. X is a side elevation of the same secured to the standard of a pedestal. Fig. XI is a side elevation of a shade for the holder. Fig. XII is a transverse section thereof on the line XII XII, Fig. XI.

1 is a supporting-plate, preferably of ornamental design, and secured by means of suitable fastenings in the form of screws 2 to the body 3 of a piano or other object. This plate is provided with lugs or ears 4, to which is hinged an arm 5, also preferably of ornamental design, by means of a pin 6. Within the arm and projecting slightly therefrom is located a bushing or tube 7, formed with a longitudinal slot 8, and within this bushing or tube is located a sliding rod having an outer long section 9 and an inner short section 10 hinged thereto by means of a pin 11, passing through overlapping ears 12, located on the adjacent ends of the two sections. The short section is provided with a radial pin 13, working in the slot 7<sup>a</sup> of the bushing or tube, by which the sliding rod is prevented from turning and entire withdrawal and guided in its movement. The slot extends nearly from end to end of the bushing or tube, so that the sliding rod can be fully pushed in or nearly drawn out and secured in desired position by means of a set-screw 14, working through the bushing or tube and bearing thereon. It is apparent that by means of the connection between the two sections of the sliding rod the latter can be turned in either direction. The outer section of the sliding rod is provided at its front end with a carrier 15, preferably ornamental and formed with an inner longitudinal sliding piece 16, having a longitudinal opening 17, through which is passed a cross-pin 18, and by which it is secured to the slotted outer end of the sliding rod. The carrier 15 is formed with a screw-thread 19 in close proximity to the inner section, upon which turns a screw-threaded nut or collar 20. Corresponding with the screw-thread 19 there is formed upon the outer end of the bushing or rod and close to the set-screw 14 another screw-thread 21, so that when the sliding rod is pushed into its innermost position and the set-screw has been tightened the collar or nut is turned upon the screw-thread 21, and the bushing, rod, and carrier are thereby made rigid.

22 is a holder, preferably ornamented and adapted to receive a candle 23 and connected to the carrier 15.

To secure the collar or nut 20 in position, the latter carries a small chain 24, the free end of which is furnished with a pin or bolt



25, the latter being inserted after the nut has been turned upon the screw-thread in a corresponding slot 26 of the bushing in the arm.

When required for use, the end of the small chain is first withdrawn, the set-screw and the nut are loosened, and the rod is partly drawn out of the bushing, (see Fig. VI,) while the longitudinal sliding piece is turned upon the pin until the carrier assumes a position at right angles to the rod, when the piece is drawn back. (See Figs. VII and VIII.) The pin or bolt of the small chain is then inserted in the opening of the piece which projects over and beyond the rod, and the outer section of the rod is entirely withdrawn from the bushing and subsequently turned upon the pin. (See Fig. IX.) In this manner is produced a candle-support which extends downward to a suitable distance in order to furnish a suitable light for piano-players, and the parts of which, although sliding within one another, are so rigidly connected that none can be shifted when in use.

The shade 27 has, as shown in Figs. XI and XII, the form of a cylindrical screen. Its height is somewhat greater than that of the candle, and it is provided the whole of its height with a continuous slot or opening 28. When this shade is placed over the candle, it only allows of the light falling through the slot.

By setting—*i. e.*, turning the long slot of the shade in a suitable manner—the rays of light issuing from the candle can be so arranged as to be invisible to the eyes of the player when the player reads the music, while they fully illuminate the said music or music-book, so that the player sits almost in the dark, and that whatever position or attitude the player may assume during his play he will not be troubled by the light.

The shade as well as the candle-holder can be placed on the right as well as on the left-hand side of the piano, the shade being advantageously made of brass or sheet-iron properly nickeled or silvered inside and coated with dark lac or bronze on the outside. The nickeling produces a strong and still light for the music-book. The flame will not flicker, but burn quietly, as any draft of air caused by turning the music-leaves is kept off or deflected by the shade.

The candle-holder hereinbefore described is particularly applicable for pianos of the vertical or cottage type, or it can be, however, connected with a pedestal, as shown in Fig. X, wherein 29 indicates a standard and

30 an adjustable sleeve to which the bushing is secured. They can be used for cottage, grand, and other pianos, for organs, harmoniums, and the like, as also for writing or reading desks, pulpits, and the like or similar purposes.

The sconce or bracket may be made of various sizes and shapes, according to requirements, and of any metal or materials which may suit its manufacture.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A candlestick consisting of a support, a bushing secured to the support, a rod formed in two sections hinged together and sliding within the bushing, a carrier hinged to the rod, and a holder secured to the carrier, substantially as described.

2. A candlestick consisting of a support, a bushing secured therein having a screw-threaded portion, a rod within the bushing having a carrier provided with a screw-threaded portion, a screw-threaded collar working over the screw-threaded portions, and a holder secured to the carrier, substantially as described.

3. A candlestick consisting of a support, a bushing secured to the support, a sliding rod formed in two sections, pin-and-slot connection between the bushing and the rod, the carrier hinged to the rod, and the holder secured to the carrier, substantially as described.

4. A candlestick consisting of a support, a bushing secured to the support, a rod formed in two sections hinged together and sliding within the bushing, the outer section having a slotted end and a cross-pin, a carrier formed with a longitudinal sliding piece having a longitudinal opening through which the cross-pin passes, a pin for locking the carrier to the rod, and a holder secured to the carrier, substantially as described.

5. A candlestick consisting of a support, a bushing secured to the support, a rod formed in two sections hinged together and sliding within the bushing, a carrier hinged to the rod, a holder secured to the carrier, and a screen surrounding the holder, having a vertical slot, substantially as described.

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

ADALBERT HECKL.

Witnesses:

ROBERT GROPP,  
J. F. WINTER.