H. S. MILLS.

BRACKET DEVICE.

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930,209.

Patented Aug. 3, 1909.

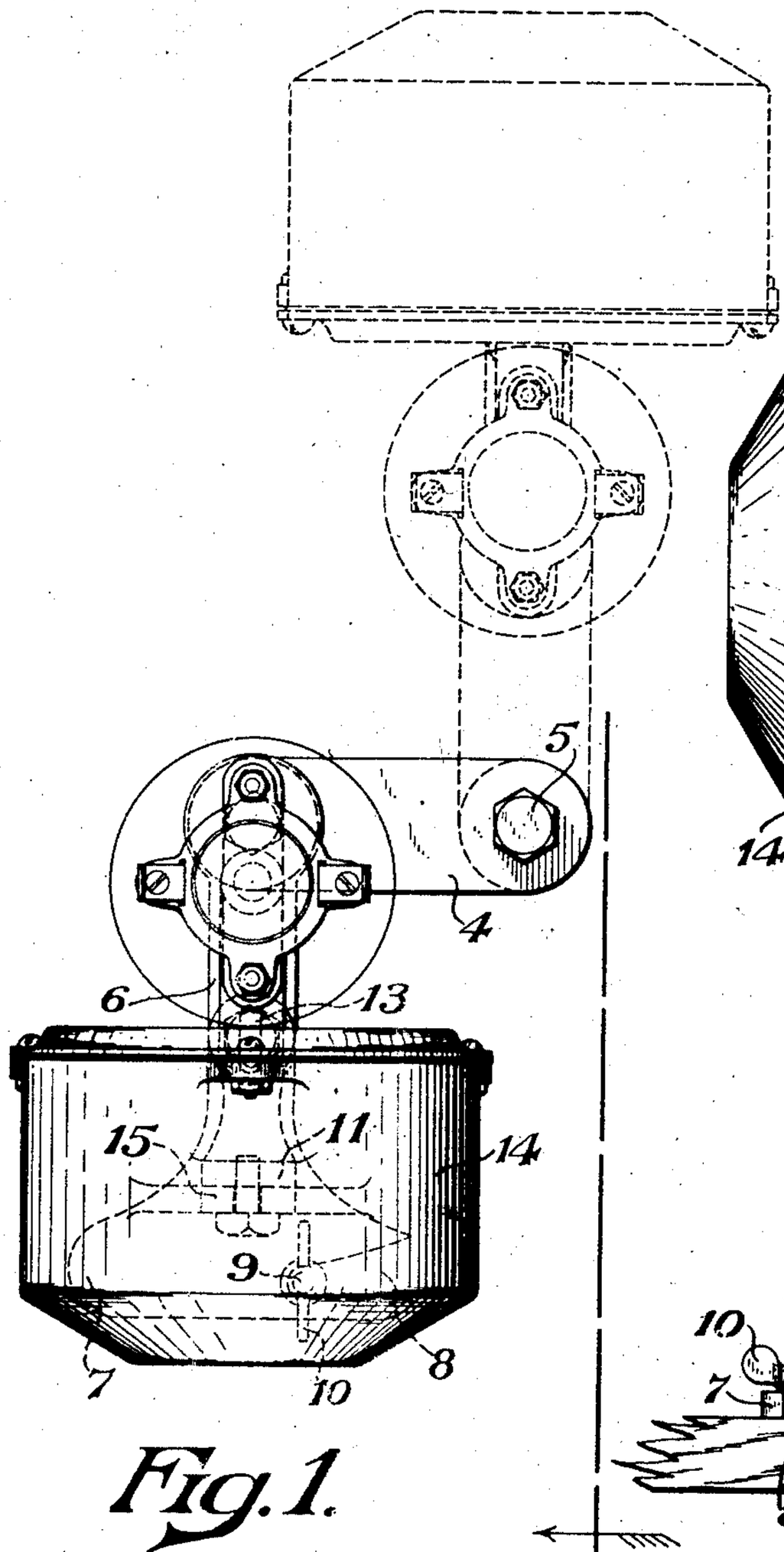

Fig. 1.

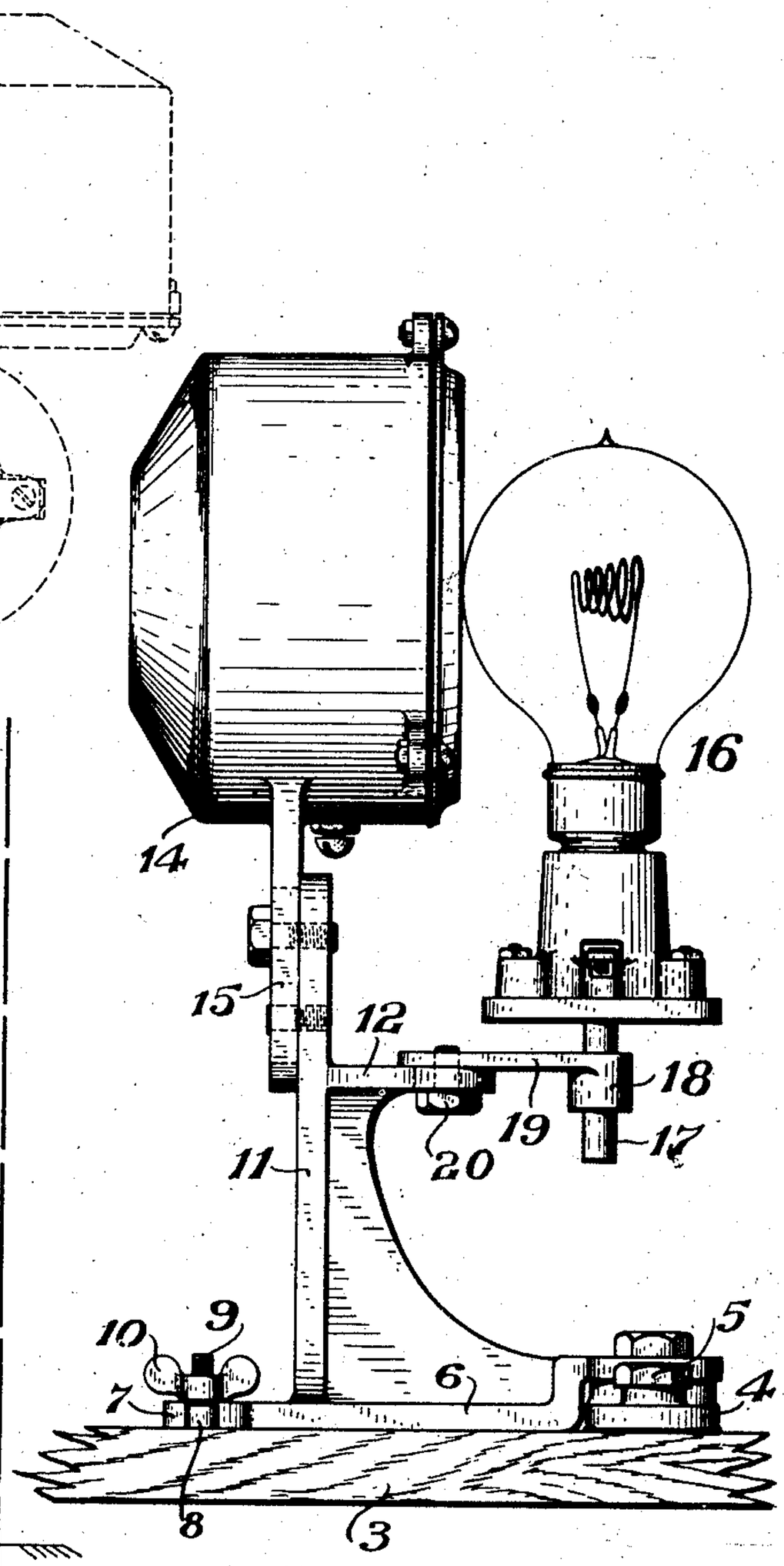

Fig. 2.

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BRACKET DEVICE.

No. 930,209. Specification of Letters Patent. Patented Aug. 3, 1909.

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To all whom it may concern:

Be it known that I, HERBERT S. MILLS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bracket Devices, of which the following is a specification.

My invention relates to an improved bracket-device for adjustably supporting the condensing-lens holder and also, by preference, the lamp therefor, in a moving-picture machine.

The operating mechanism of a moving-picture machine is so compactly assembled in the casing as to render difficult the matter of gaining, for purposes of adjustment, repair and the like, access to parts to which the access is obstructed by the condensing-lens holder and the lamp.

The object of my invention is to provide an adjustable construction of the bracket-device for carrying the lens-holder and lamp whereby it shall be adapted to be unfolded to take them out of the way and folded to bring them back to their operative positions, all in the restricted space afforded in the casing of the machine.

In the accompanying drawing, Figure 1 shows my improved bracket-device by a plan view with the lens-holder and the lamp supported upon it, the distended or unfolded condition of the device being shown by dotted lines, and Fig. 2 is a view of the same in side elevation regarded in the direction of the arrow on the dotted line in Fig. 1.

Of the casing of a moving-picture exhibiting-machine only a portion of the base 3 is shown in the drawing as the support for my improved bracket-device described in detail as follows: An arm 4 having one end pivoted to the base at 5 has pivotally connected with its opposite end the offset-end of an arm 6 expanded at its free end into a head 7 provided in one side with a jaw-forming slot 8 to engage a stud 9 on the base carrying a wing-nut 10 for clamping the head in its normal position. A web-strengthened flat post 11 rises from the arm 6 and has extending horizontally from it at the upper end of the web a shelf 12 containing a longitudinal slot indicated by a dotted representation at 13 in Fig. 1. The condensing-lens barrel or holder 14, of any desired construction, is fastened at its depending stem 15 to the face of the post 11, and an incandescent electric lamp 16 seats at its depending stem 17 in a socket 18 on one end of an arm 19 fastened at its opposite end to the shelf 12 by a bolt 20 passing through the slot 13, whereby the position of the lamp relative to the rear end of the lens-barrel may be adjusted.

To unfold the bracket-device from the normal condition in which it is represented, upon loosening the thumb-nut 10 the device is first swung away from the stud 9 on the center 5 to turn the arm 4 through an arc of 90 degrees, more or less, whereupon the arm 6 is swung on its pivot-connection with the arm 4 to extend in line with the latter, thereby carrying the lens-holder and lamp out of the way, and even outside the casing of the machine if necessary. To restore the lens-holder and the lamp to their normal positions, the arms of the bracket-device are turned reversely to the manner described to engage the jaw 8 with the stud 9, when the nut 10 is fastened to clamp the head 7.

What I claim as new, and desire to secure by Letters Patent, is—

1. An adjustable combined lens-holder and lamp bracket-device for a moving-picture machine, comprising an arm pivoted at one end to the base of the machine-casing, a second arm pivotally connected to said first-named arm and adapted to be releasably fastened at its free end to said base, a post rising from said second arm for carrying the lens-holder, and a shelf extending from said post for supporting thereon the lamp, for the purpose set forth.

2. An adjustable combined lens-holder and lamp bracket-device for a moving-picture machine, comprising an arm pivoted at one end to the base of the machine-casing, a second arm pivotally connected to said first-named arm and terminating at its free end in a slotted head to coöperate with a releasable fastening-device on said casing, a post rising from said second arm for carrying the lens-holder, and a shelf extending from said post for supporting thereon the lamp, for the purpose set forth.

3. An adjustable lens-holder bracket-device for a moving-picture machine, comprising an arm pivoted at one end to the base of the machine-casing, a second arm pivotally connected to said first-named arm and terminating at its free end in a slotted head to cooperate with a releasable fastening-device on said casing, and a post rising from said second arm for carrying the lens-holder, for the purpose set forth.

4. An adjustable combined lens-holder and lamp bracket-device for a moving-picture machine, comprising an arm pivoted at one end to the base of the machine-casing, a second arm pivotally connected to said first-named arm and terminating at its free end in a slotted head to coöperate with a releasable fastening-device on said casing, a post rising from said second arm for carrying the lens-holder, a slotted shelf extending from said post, and an arm adjustably secured to said shelf and terminating in a lamp-stem socket, for the purpose set forth.

HERBERT S. MILLS.

In presence of—
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