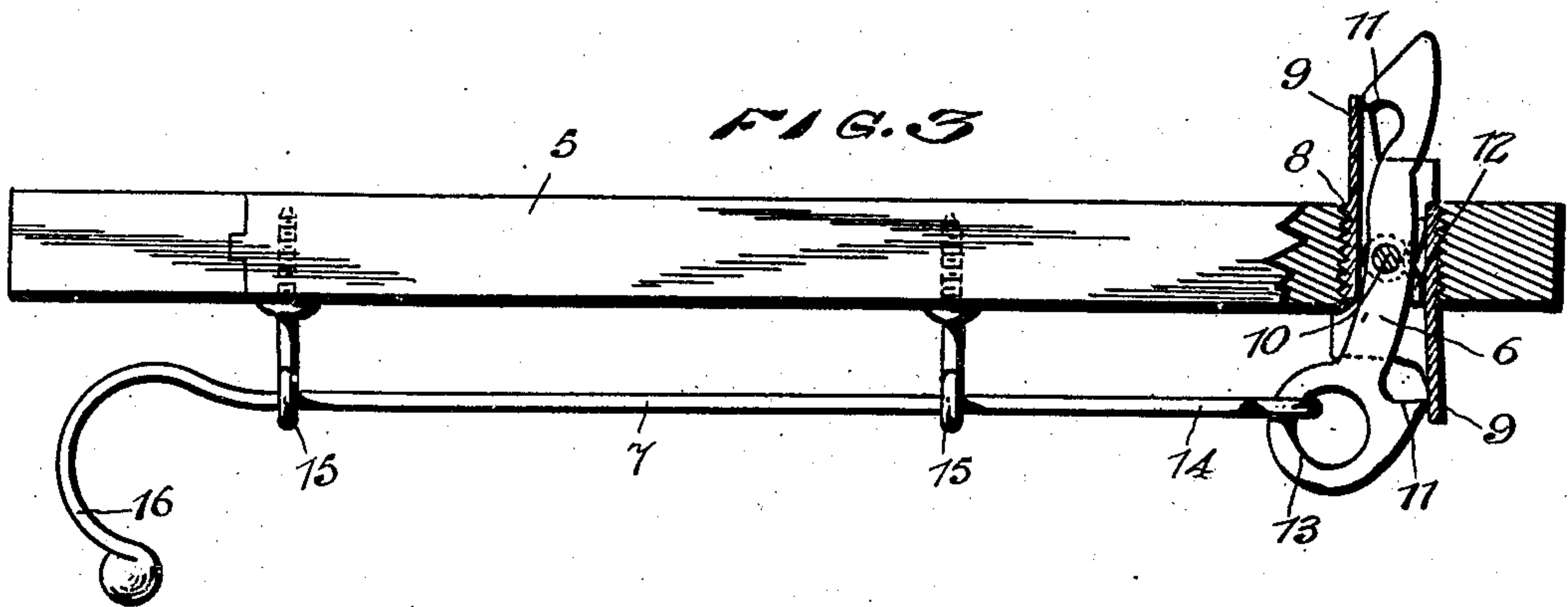
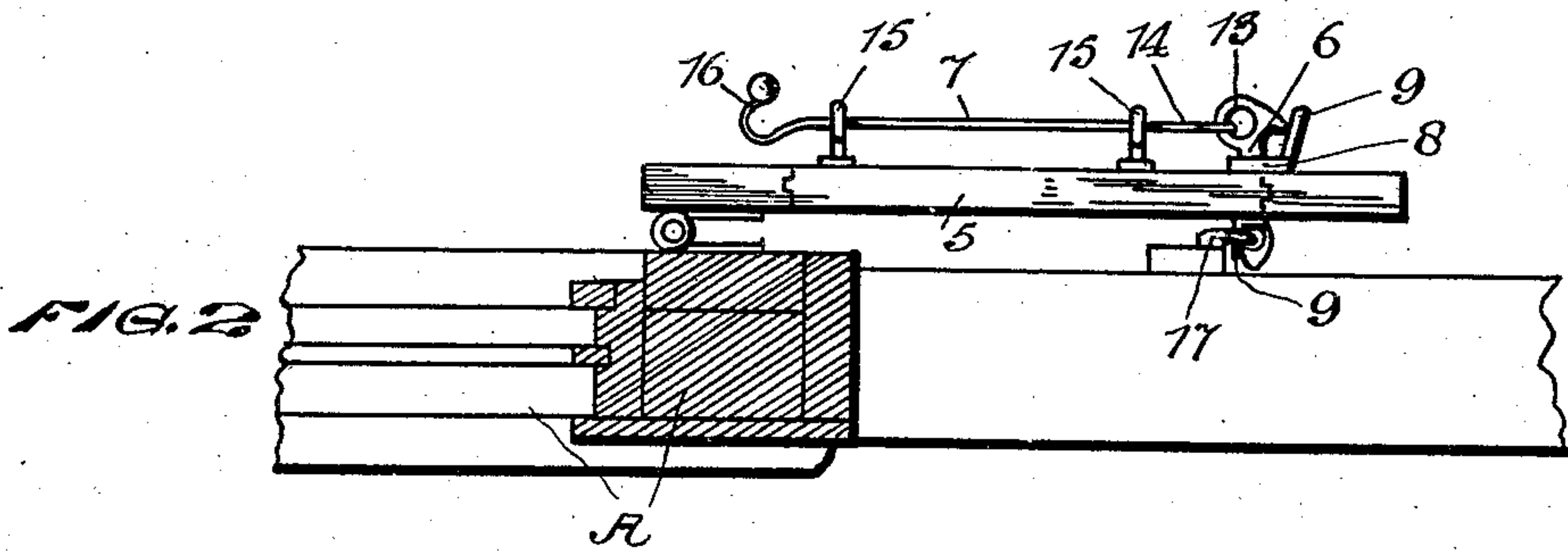
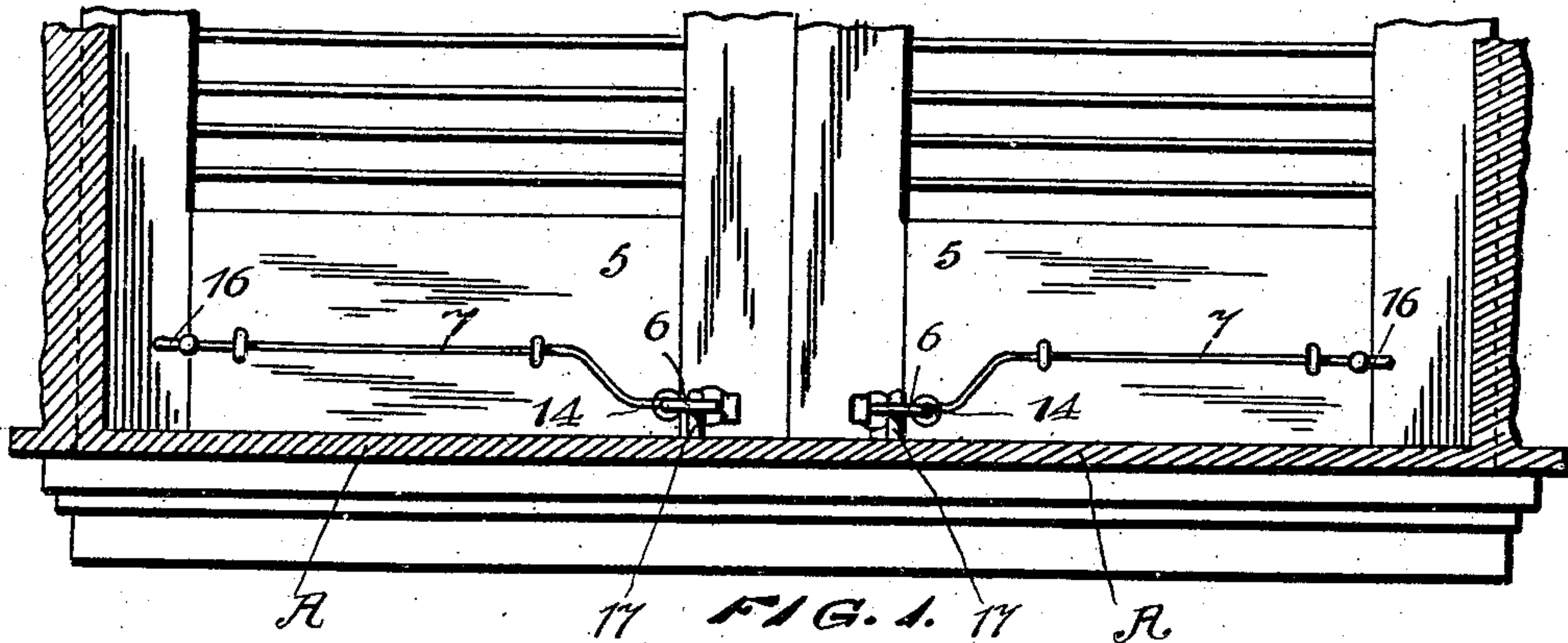


R. D. MERRILL.  
SHUTTER OPERATING DEVICE.  
APPLICATION FILED FEB. 26, 1908.

928,992.

Patented July 27, 1909.



Witnesses

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# UNITED STATES PATENT OFFICE.

ROBERT D. MERRILL, OF BABYLON, NEW YORK.

## SHUTTER-OPERATING DEVICE.

No. 928,992.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed February 26, 1908. Serial No. 417,885.

*To all whom it may concern:*

Be it known that I, ROBERT D. MERRILL, citizen of the United States, residing at Babylon, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Shutter-Operating Devices, of which the following is a specification.

My invention resides in the following features of construction, arrangement and operation, to be hereinafter described with reference to the accompanying drawings, forming a part of this specification, in which like characters are used to designate like parts throughout the several figures, and in which—

Figure 1 is a vertical sectional view through a window casing, looking from the inside thereof, and illustrating the shutters in elevation attached thereto and in the closed position and provided with my improved operating device. Fig. 2 is a horizontal sectional view through a portion of a window casing illustrating a shutter locked in an open position and provided with my improved operating device, and Fig. 3 is an end view of a shutter, partly broken away and in section, and illustrating my improved device on an enlarged scale.

In the practical embodiment of my invention, I provide a shutter 5, with means for operating the same comprising a latch 6, and the operating member 7 for releasing said latch and adapted to be used as a handle for swinging the shutter 5 from the closed to the open positions shown in Figs. 1 and 2 respectively.

According to my invention, the shutter 5 is provided with a threaded tubular socket 8, secured therethrough and provided with projecting portions 9 oppositely extending from each end thereof. Mounted through the socket 8, and centrally pivoted therein at 10, is the latch 6 having oppositely disposed hooked ends 11, adjacent to abutting projections 9 of the socket 8. The hooked ends 11 of the latch 6 and the projections 9 of the socket 8 are normally held in engagement by a spring 12 extending about the pivot 10 of the latch 6, which tends to oscillate the

said latch 6 upon said pivot in one direction. The latch 6, which is locked as described, adjacent the outer edge of the shutter 5, is provided on one end with an opening 13, through which is secured the parallel opposite end 14 of the operating or releasing member 7 comprising an elongated slidable rod mounted through spaced screw eyes 15, secured within the shutter 5, and provided with a curved end 16 forming its handle. Inasmuch as the latch 6 is locked adjacent the lower edge of the shutter 5, in order to engage with keepers 17 within the window frame or casing *a*, and upon the outside of the window as shown in Fig. 2, I offset the screw end 14 of the member 7 in order that the said member 7, and more especially its handle portion 16, will be locked at a sufficient distance above the sill of the frame *a*, to be readily operated.

In operation, supposing the shutter to be locked in the open position as shown in Fig. 2, the operator extends his arm without the window and grasps the handle 16 of the rod 7, pulling upon the same to oscillate the latch 6 and releasing the same from the keeper 17. A continued pull upon the rod 7 serves to rotate the shutter upon its hinges, to the closed position shown in Fig. 1.

Having fully described my invention, I claim:

In a device of the character described, the combination with an outwardly swinging shutter, of a tubular casing provided with oppositely disposed projections, a swinging member pivotally mounted within said tubular casing and having oppositely disposed hooked extremities, said hooked extremities being arranged to engage said oppositely disposed projections of said tubular casing, and an offset operating rod slidably mounted upon said shutter and engaging said swinging member, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT D. MERRILL.

Witnesses:

MARY E. MERRILL,  
GEO. MERRILL.