

No. 854,958.

PATENTED MAY 28, 1907.

J. M. MONTGOMERY.  
COMBINED BURGLAR ALARM AND SASH HOLDER.  
APPLICATION FILED JUNE 18, 1906.

FIG. 1

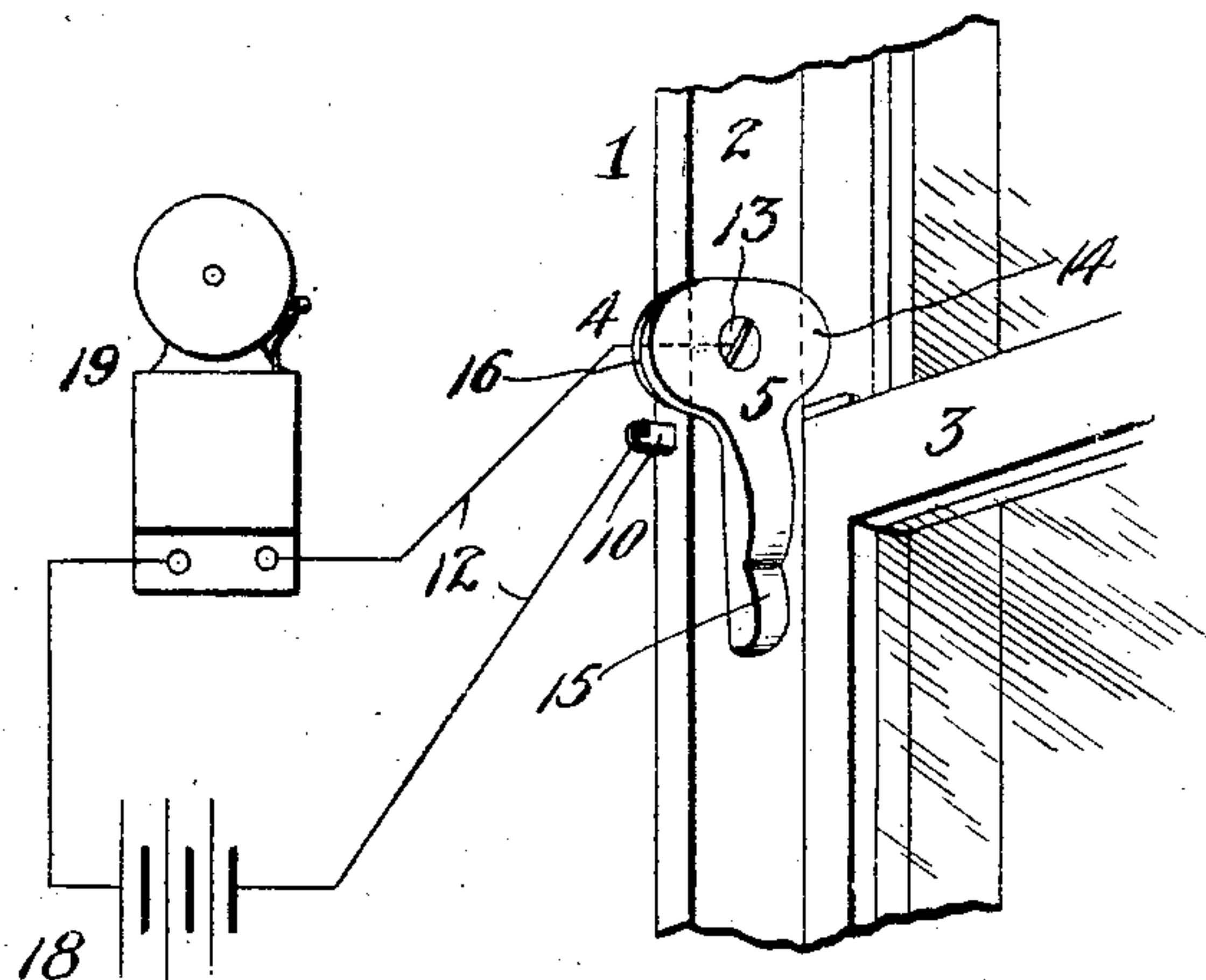


FIG. 2

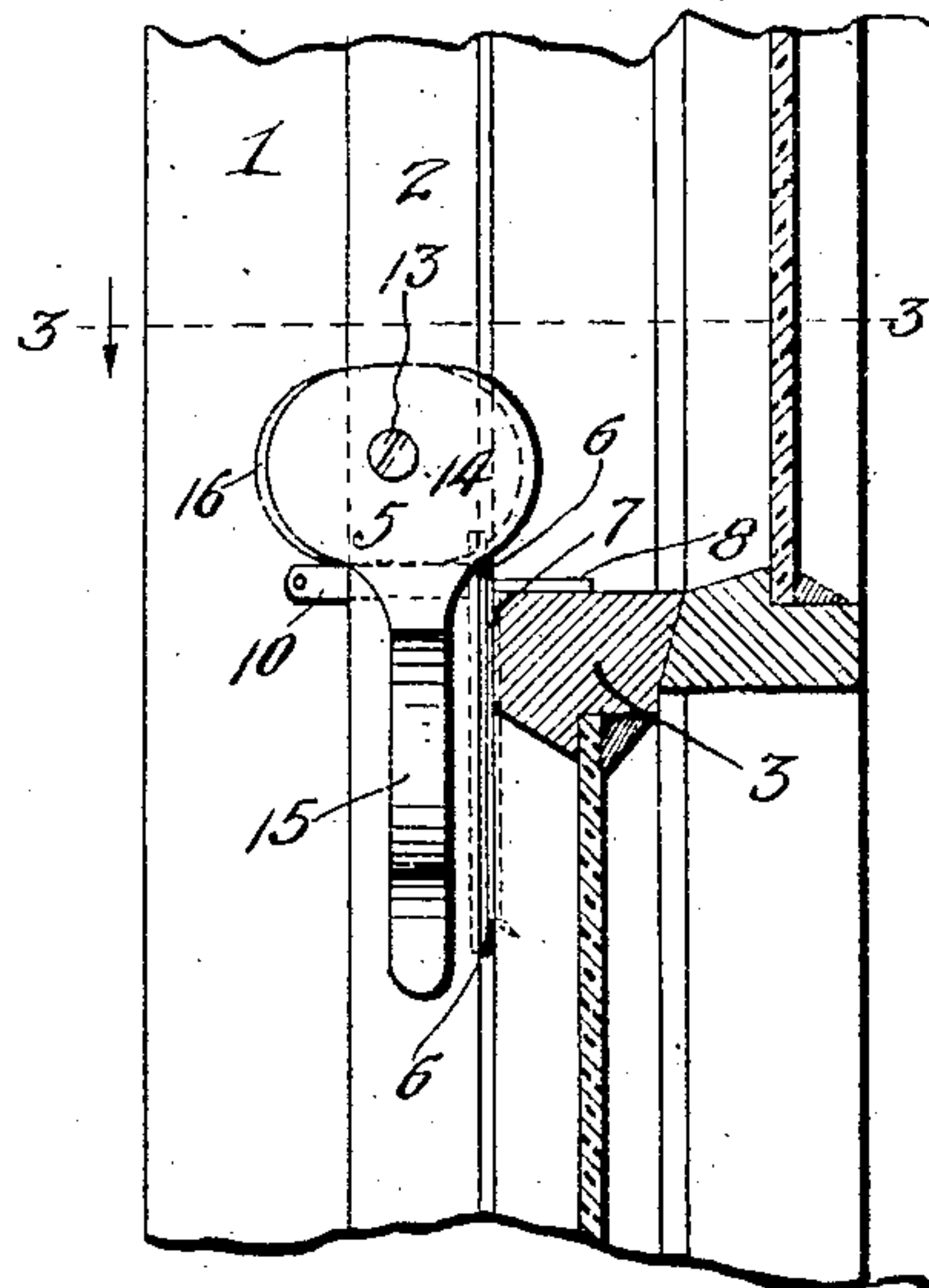


FIG. 5

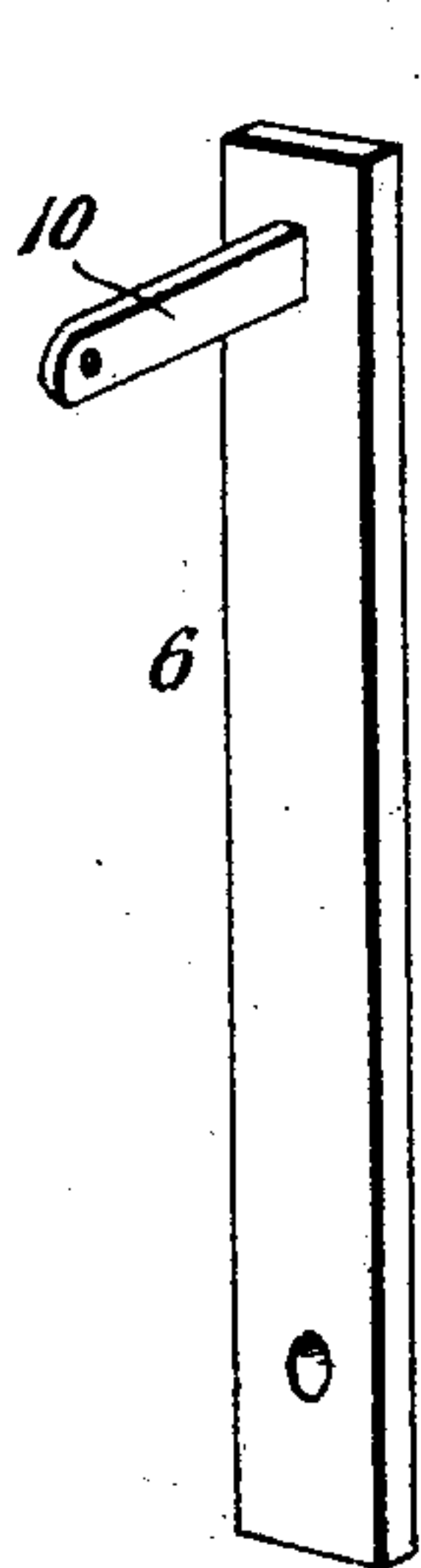


FIG. 6

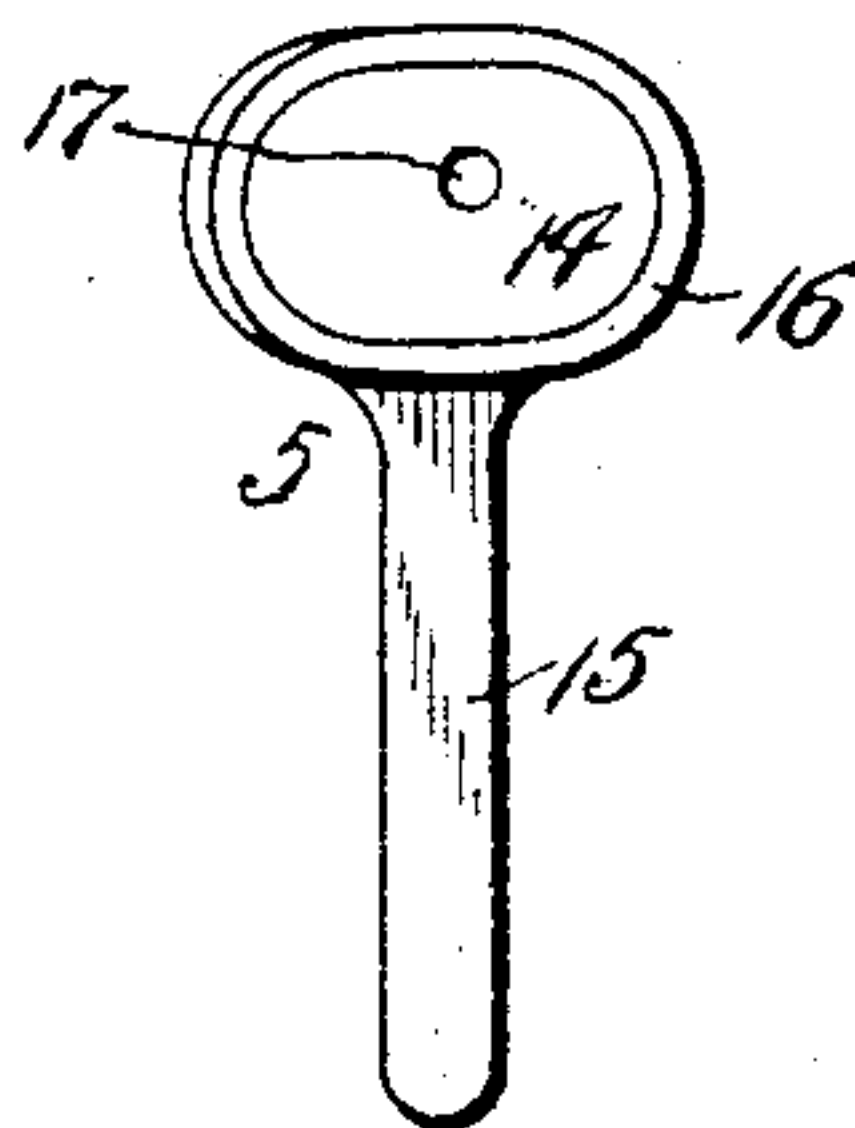
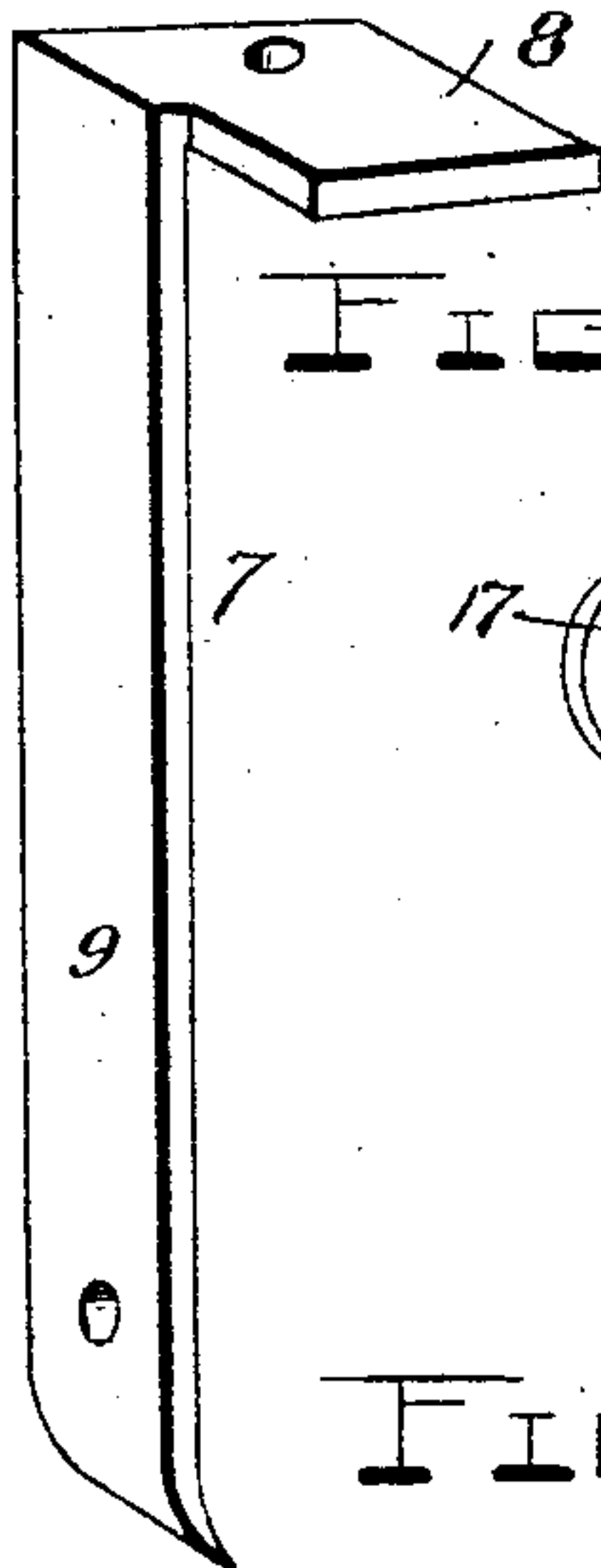


FIG. 4

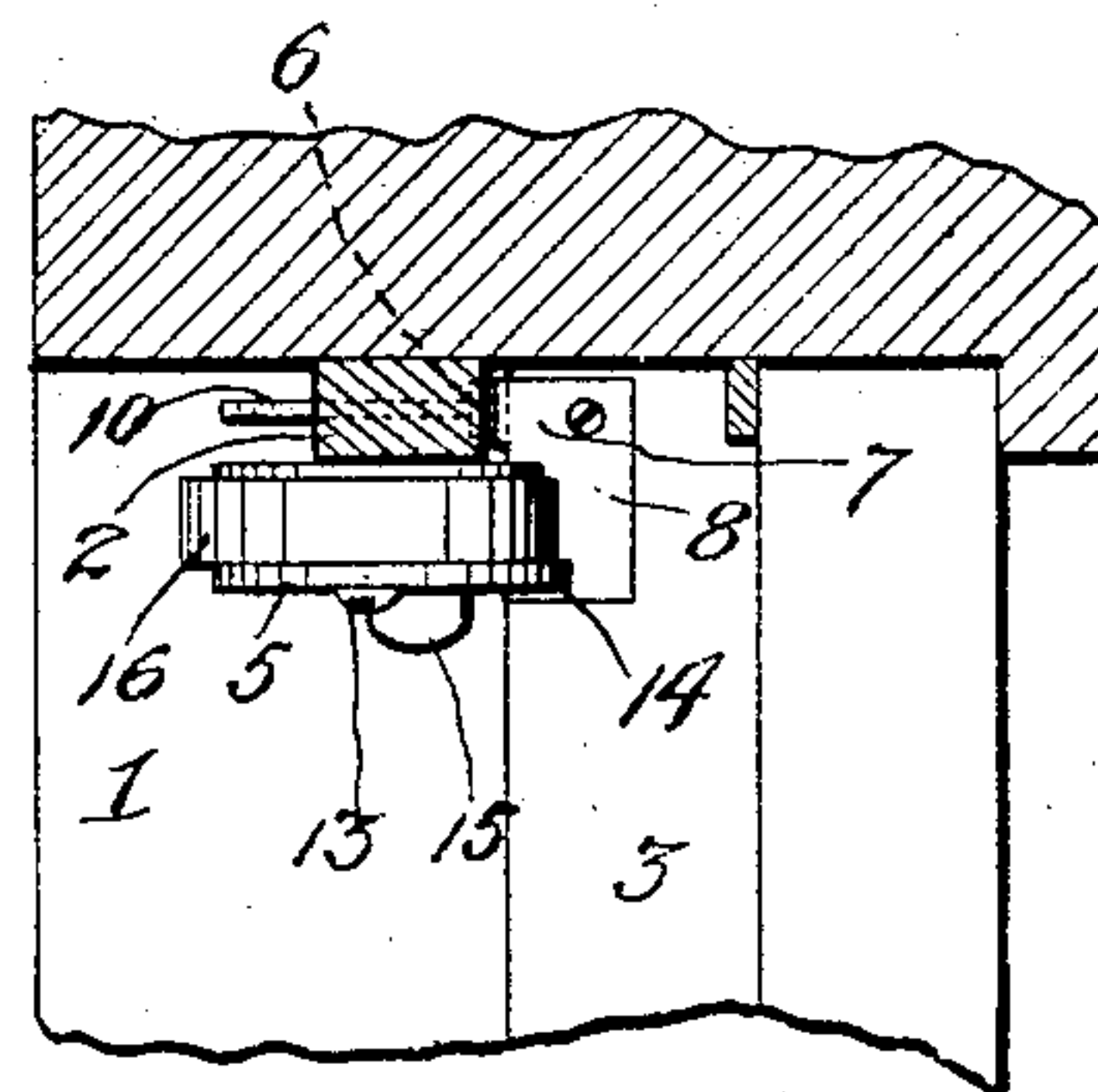


FIG. 3

Witnesses  
*J. H. Griesbauer, Jr.*  
*C. H. Griesbauer.*

Inventor  
*J. M. Montgomery*  
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# UNITED STATES PATENT OFFICE.

JAMES M. MONTGOMERY, OF BERL, WEST VIRGINIA, ASSIGNOR OF ONE-HALF  
TO FRANKLIN W. SINE, OF BOND, MARYLAND.

## COMBINED BURGLAR-ALARM AND SASH-HOLDER.

No. 854,958.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed June 18, 1906. Serial No. 322,293.

*To all whom it may concern:*

Be it known that I, JAMES M. MONTGOMERY, a citizen of the United States, residing at Berl, in the county of Mineral and State of West Virginia, have invented certain new and useful Improvements in Combined Burglar Alarms and Sash-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.

My invention is an improved combination window sash fastener and circuit closing device for burglar alarms, and it consists in the novel construction, combination and arrangement of parts hereinafter described and claimed.

The object of the invention is to provide a simple, practical and efficient window sash fastener which may be used for holding the sash at any adjusted position or locking it closed, and which will also serve to close an electric burglar alarm circuit.

The above and other objects which will appear as the nature of the invention is better understood, are accomplished by means of the construction illustrated in the accompanying drawings, in which:—

Figure 1 is a diagrammatic view showing my improved device applied to a window and connected up with a burglar alarm circuit; Fig. 2 is a side view of a portion of a window frame, showing my improved combination sash fastener and circuit closer applied thereto and to the lower sash; Fig. 3 is a detail sectional view taken on the plane indicated by the line 3—3 in Fig. 2; Fig. 4 is a detail view of the cam lever of the device, and Figs. 5 and 6 are perspective views of the two contact plates of the device.

Referring to the drawings by numeral, 1 denotes a portion of a window frame, 2 the usual stop strip secured thereto, and 3 the lower vertically sliding window sash. My combined sash fastener and circuit closer 4 consists of a cam locking lever 5, and two contact plates or strips 6—7. The latter 7 is of right angular form and has its short end 8 secured upon the top of the sash 3 adjacent to one of its ends, and its long arm 9 secured upon the outer face of the sash 3 and adapted to contact with the other plate 6. This plate 6 is secured upon the inner edge of the stop strip 2, and has projecting from its up-

per end an arm 10 which extends through an opening in the stop strip. The outer projecting arm 10 is apertured to receive one of the terminals of an electric circuit 12. The cam lever 5 is pivoted by a screw or the like 13 upon the side of the stop strip 2, at a suitable point above the top of the sash frame 3, and it consists of a cam proper 14 which is formed with an integral handle or lever 15. The cam 14 is of elongated circular form and has its edge faced with rubber or other suitable material 16 which projects beyond the edge of the cam and is adapted to frictionally engage the outer face of the vertical side bar of the sash frame 3 to retain it at any desired elevation. The pivot screw 13 passes through a centrally arranged opening 17 in the cam, so that when the sash 3 is in its lowered position shown in Fig. 2 and the cam hangs in its normal position shown in said figure, one end of the cam will project over the top edge of the sash 3 and the portion or arm 8 of the plate 7 and prevent said sash from being elevated.

When the handle 5 of the cam is swung at right angles to the strip 2, the narrow portion of the cam will extend inwardly, so that the sash 3 may be raised or lowered as desired, and when the handle 15 is swung upwardly to a greater extent so that the other half of the cam is brought into frictional contact with the outer face of the vertical bar of the sash frame 3, the latter may be frictionally clamped at any desired height, as will be readily understood. The rubber facing 16 upon the cam will firmly engage the sash frame and prevent the latter from dropping. The other terminal of the electric circuit 12 is connected to the pivot screw 13, so that the circuit will be closed whenever the sash frame 3 is elevated sufficiently to cause the contact plate 7 to engage the cam lever 5. When the parts are in the position shown in Fig. 2 of the drawings, the contact plate 7 is but about a sixteenth of an inch from the cam 5, so that the slightest upward movement of the sash frame will close the circuit. The circuit 12, as shown in Fig. 1, includes a battery or other generator 18 and an electric bell or other suitable signal 19.

From the foregoing description taken in connection with the accompanying drawings, the construction, operation and advantages 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 the invention, as defined by the appended claims.

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

1. The combination with a window frame and a sash, of coacting contact plates secured upon said frame and sash, a cam upon said frame for coaction with said sash and adapted to project into the path of one of said contact plates, and an electric circuit having one of its terminals connected to the other of said contact plates and the other of its terminals to said cam.

2. The combination with a window frame and a sliding sash, of the plate 7 secured upon said sash, the plate 6 secured upon said frame, the elongated cam 5 pivoted at its center

upon said frame and adapted to have its opposite ends coact with said sash, one of said ends hanging normally in the path of the contact plate 7, and an electric alarm circuit having one of its terminals connected to the contact plate 7 and its other to said cam, substantially as shown and described.

3. The combination with a window frame and sash of co-acting contact plates secured upon said frame and sash respectively, a sash locking member adapted to project into the path of one of said plates, and an electric circuit having one terminal connected to the other of said contact plates and with its other terminal connected to said locking member.

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

JAMES M. MONTGOMERY.

Witnesses:

ARTHUR G. RICHARD,  
FRANK D. MULLEN.