

(No Model.)

R. MONDAY.

SASH HOLDER.

No. 480,337.

Patented Aug. 9, 1892.

FIG. 1.

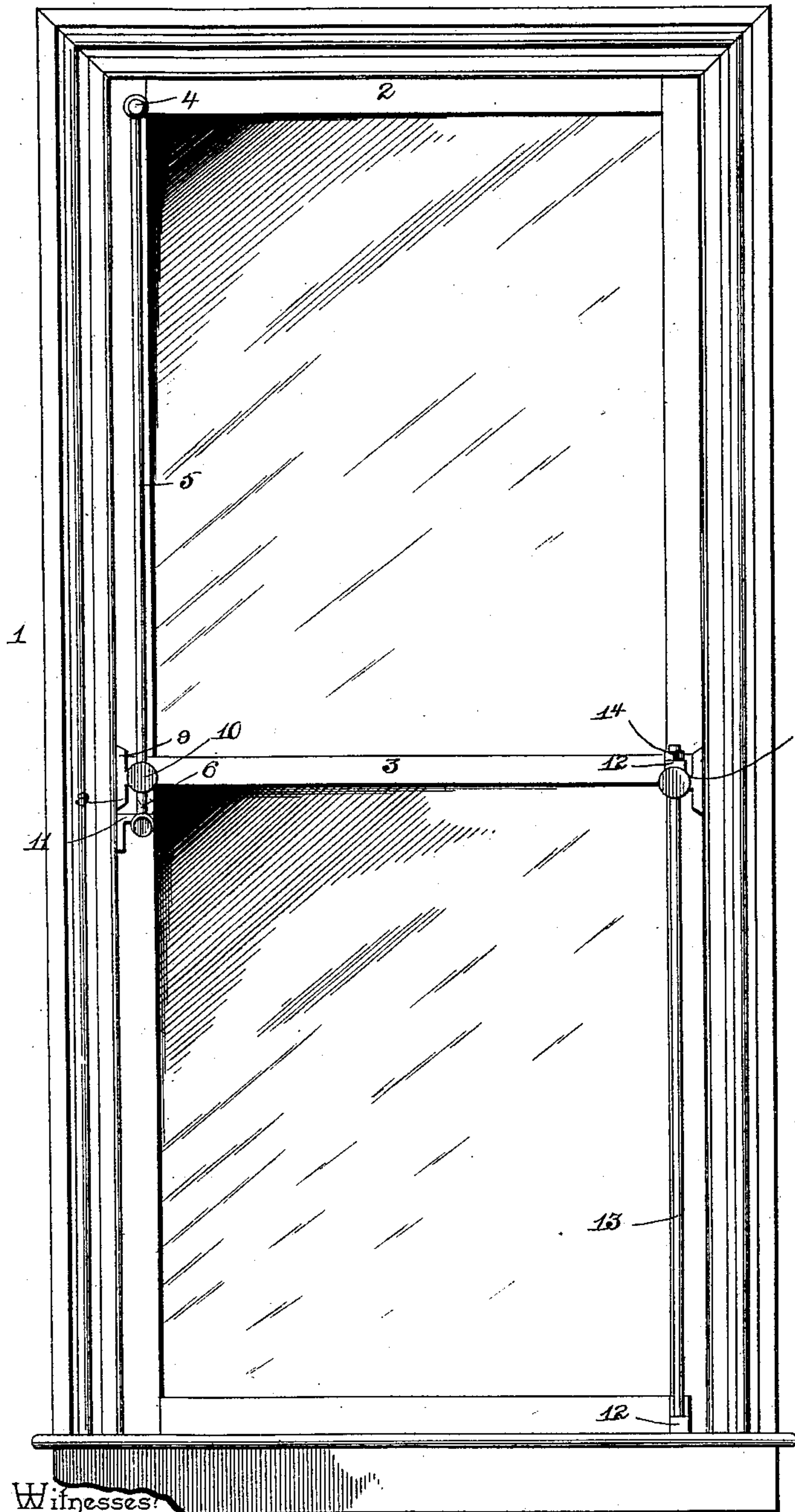
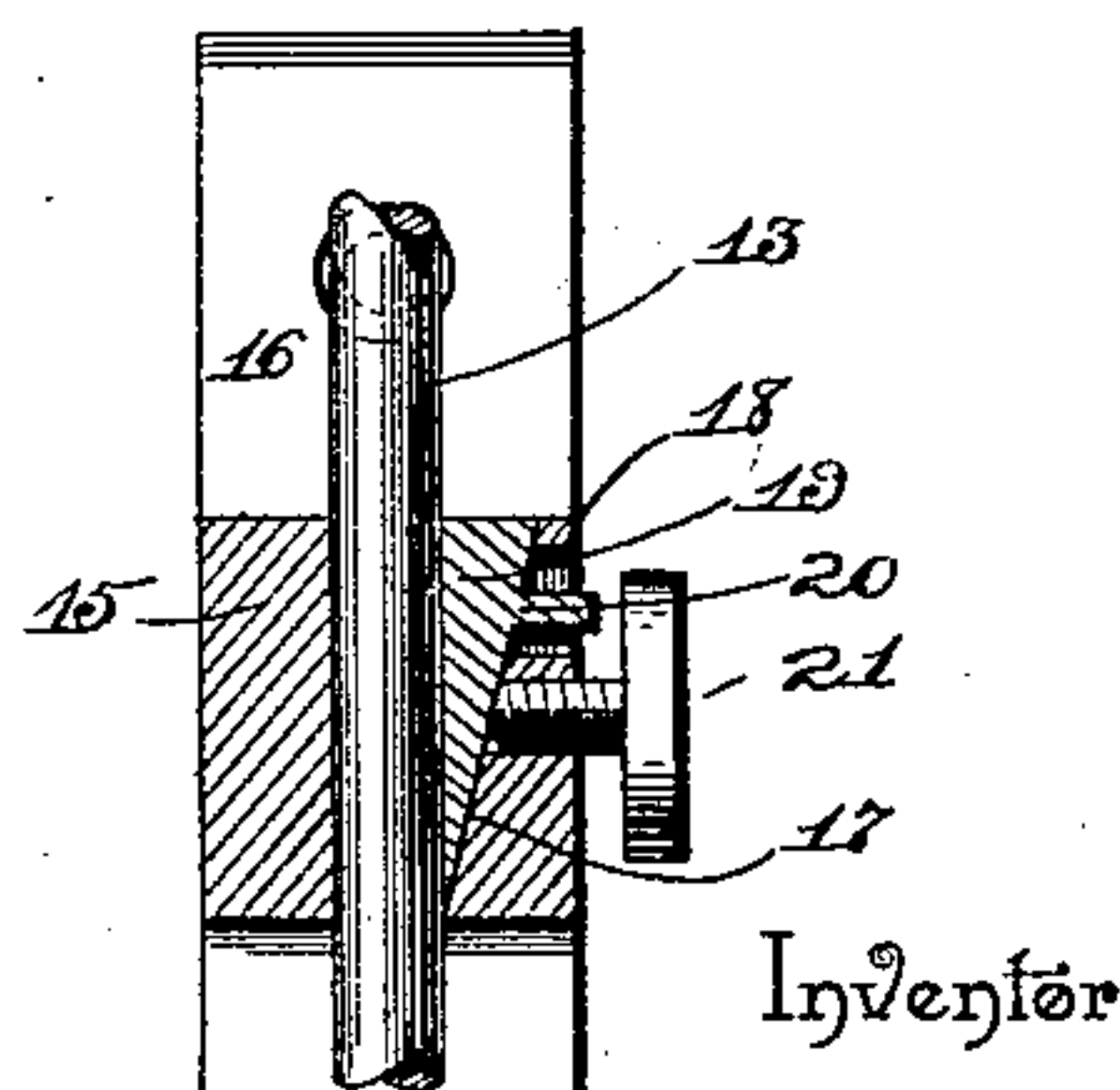
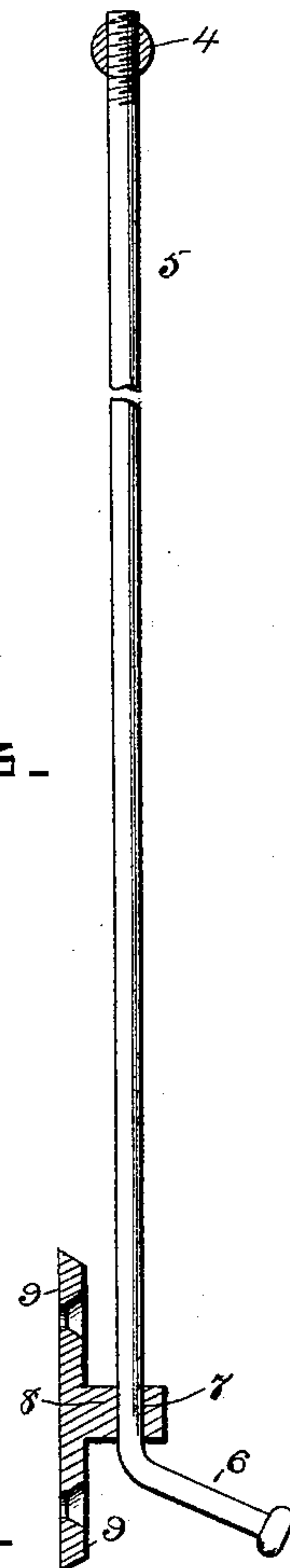


FIG. 2.

FIG. 3.



Witnesses:

Inventor

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UNITED STATES PATENT OFFICE.

ROBERT MONDAY, OF LAMPASAS, ASSIGNOR OF ONE-HALF TO LEWIS J. SAMUELS AND EMANUEL DOMNAU, OF DALLAS, TEXAS.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 480,337, dated August 9, 1892.

Application filed October 14, 1891. Serial No. 408,680. (No model.)

To all whom it may concern:

Be it known that I, ROBERT MONDAY, a citizen of the United States, residing at Lampasas, in the county of Lampasas and State of Texas, have invented a new and useful Sash-Lock, of which the following is a specification.

This invention relates to improvements in sash-locks, the object in view being to provide a cheap and simple arrangement adapted to be applied to the ordinary upper and lower unbalanced sashes and to so construct said device as to form a convenient means for operating the upper sash without the necessity of reaching uncomfortably therefor and to be able to lock said sash against movement in either direction at any point of elevation.

A further object is to adapt the lock of the lower sash to automatically engage at any point of elevation of the lower sash and prevent said lower sash from descending by gravity and when desired to lock said lower sash from either descent or ascent.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a front elevation of a window the sashes of which are provided with locks constructed in accordance with my invention. Fig. 2 is a vertical longitudinal section in detail of the locking-guide for the lower-sash rod. Fig. 3 is details in section of the locking-guide for the upper sash, the upper-sash rod, and the post for supporting said rod.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the window-frame, 2 the upper sash, and 3 the lower sash. A post 4 extends from the corner of the upper sash and has its outer end threaded and perforated to receive the upper end of a rod 5, which depends at a right angle from the post along the inner side of the frame to a point within convenient reaching distance of a person standing at the window. The rod 5 is cylindrical and has its lower end laterally bent to form a handle 6. Between its ends the rod passes through a perforation 7, formed in a guide-block 8, whose inner side is provided with securing-lugs 9, through which screws are passed into the

window-frame. By grasping the handle of the guide-rod the upper sash may be raised and lowered at the pleasure of the operator and may be locked at any point of its elevation by the binding-screws 10, threaded transversely in the guide-block and at its inner end bearing upon the rod. When wholly elevated, the rod may be turned laterally, so that its bent end will be immediately above an inverted-L-shaped bracket 11, secured to the window-frame, said bracket serving as a stop to prevent any downward movement upon the part of the rod and upper sash. As this lateral turning of the rod can be accomplished with more ease and quicker than the setting of the binding-screw, it will be found advantageous to employ the same for the purpose of locking said upper sash when wholly raised, as in reality this is its normal position. When it is desired, however, to adjust the sash at an intermediate point of elevation, the set-screw is employed.

In perforated brackets 12, secured to the lower sash, a rod 13 is located, the rod being provided at its upper end above the upper bracket with a threaded nut 14, whereby it may be stretched taut between the brackets. Between its ends the rod passes through a vertically-perforated guide-block 15, having a perforated securing-plate 16, through which screws are passed into the window-casing for the purpose of fastening the block in position. At one side of its perforation the block is provided with a wedge-shaped opening 17 and back of the same a shallow offset 18. A wedge-shaped locking-block 19 is mounted in the recess and is provided at its rear side with a shoulder 20, designed to ride in the offset. A set-screw 21 passes transversely through the block and at its inner side bears upon the wedge-shaped locking-block, whose inner face may thus be clamped upon the rod 5. If it be desired to lock the sash securely at any point of its elevation, the set-screw is thus operated so as to clamp the locking-block upon the rod; but in the ordinary raising and lowering of the window the set-screw is loose and non-operative, and the wedge-shaped locking-block, while permitting of the raising of the window, serves as a wedge against the lowering of the same, thus locking automatically

the window at any point of elevation. By placing the finger under the shoulder or pin of the locking-block, which shoulder or pin, as before stated, extends through the offset or slot formed in the guide-block, said locking-block may be elevated from its wedged position and the sash permitted to lower.

From the foregoing description it will be seen that I provide a cheap and simple attachment for unbalanced sashes whereby the same may be locked at any position desired against raising and lowering and the lower sash automatically locked or held against lowering at any point of elevation, and, furthermore, said attachment does not require any alterations made in or marring of the sashes or the casing.

Having described my invention, what I claim is—

1. The combination, with the upper sash, the window-casing, the perforated guide-block having a set-screw secured to the casing, and the L-shaped bracket projecting from the casing below the guide-block, of the post extending from the sash and the cylindrical rod de-

pending from the post, passed through the guide-block, laterally disposed below the block to form a handle, and adapted to be swung over the bracket, substantially as specified.

2. The combination, with the lower sash, the window-casing, the upper and lower brackets, and the vertical guide-rod connected at its ends to the brackets, of the guide-block secured to the window-casing, provided with a vertical perforation for the reception of the rod at one side of the perforation, with a wedge-shaped recess, and in rear of the recess with a slot, a wedge-shaped locking-block mounted in the recess and provided with a shoulder or pin extending from its rear side through the slot, and the set-screw passing through the guide-block and bearing on the locking-block, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ROBERT MONDAY.

Witnesses:

SAMUEL DOUGLAS FOOTE,
DE WITT CLINTON THOMAS.