

(No Model.)

A. LAGARIGNE.
SHUTTER WORKER.

No. 585,847.

Patented July 6, 1897.

Fig. 1.

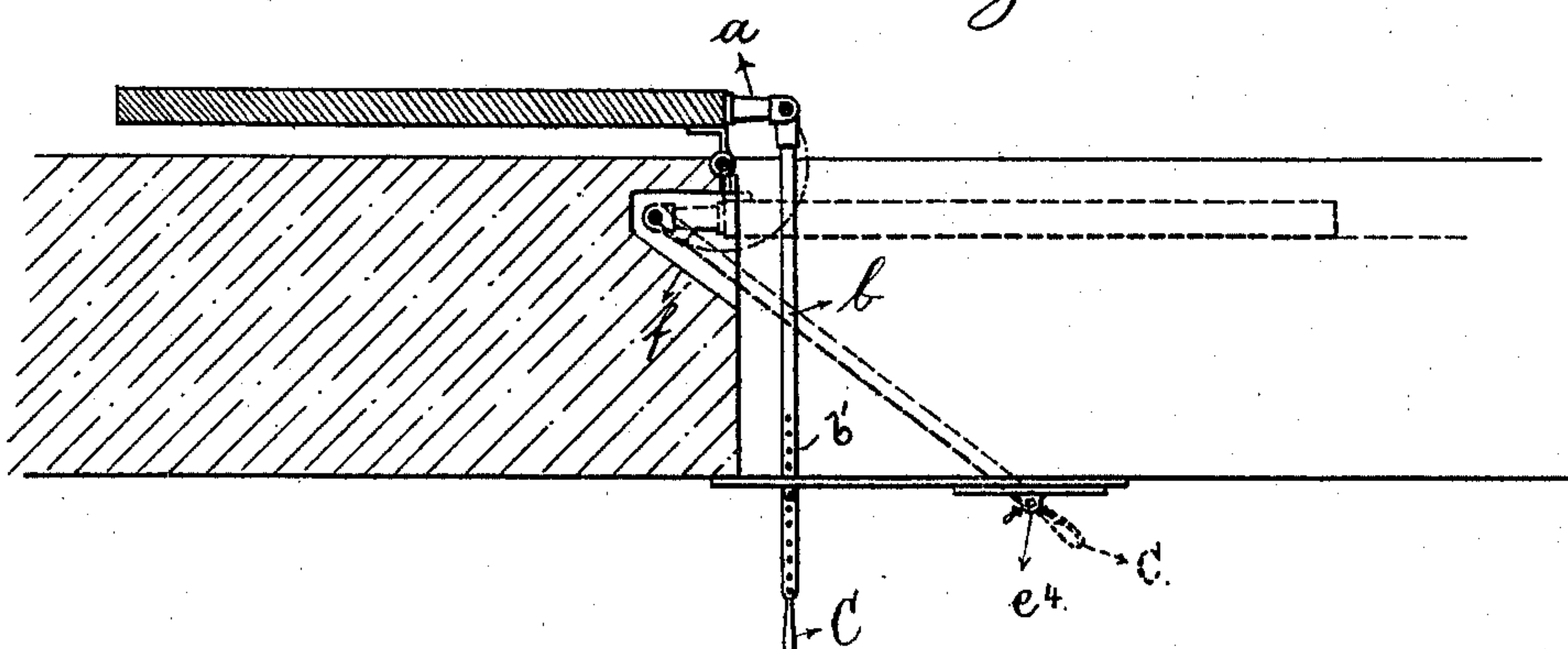


Fig. 3.

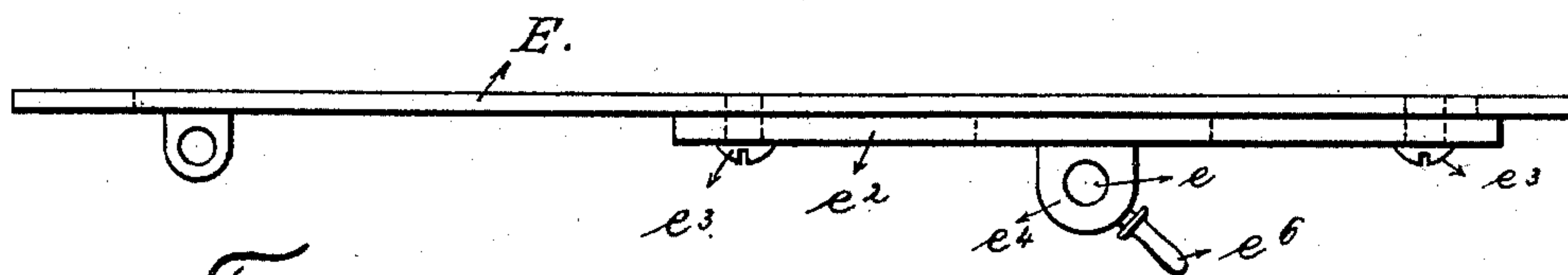
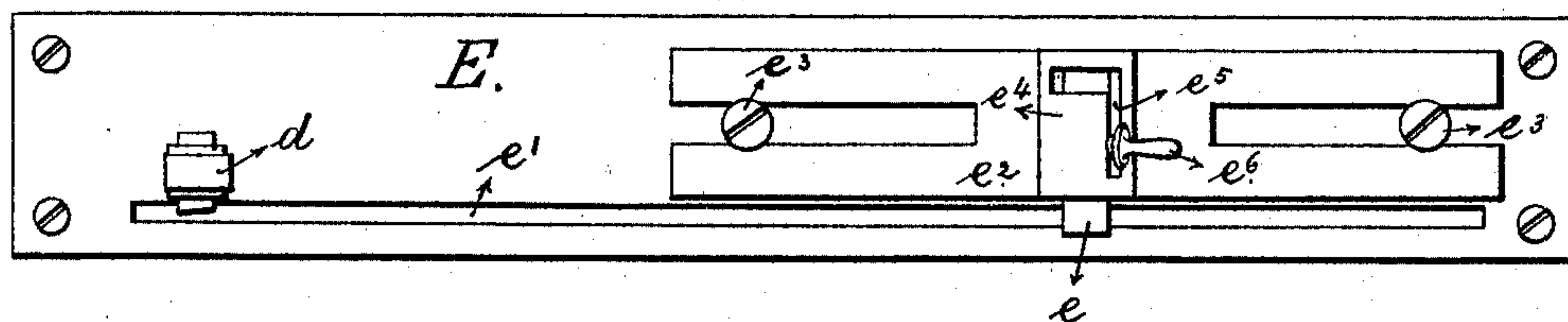


Fig. 4.

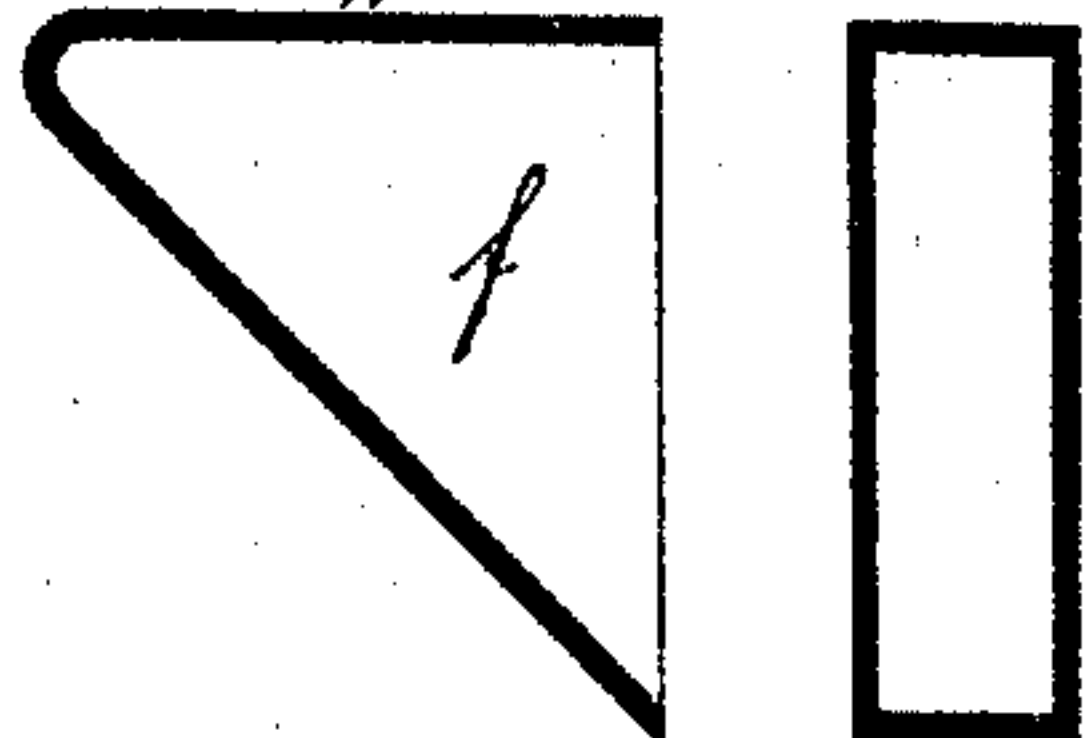


Fig. 2.

Witnesses:

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AMÉDÉE LAGARIGNE, OF LE MANS, FRANCE.

SHUTTER-WORKER.

SPECIFICATION forming part of Letters Patent No. 585,847, dated July 6, 1897.

Application filed February 21, 1896. Serial No. 580,225. (No model.)

To all whom it may concern

Be it known that I, AMÉDÉE LAGARIGNE, a citizen of the French Republic, residing at Le Mans, Department of Sarthe, France, have
5 invented certain new and useful Improvements in Shutter-Workers; and I do hereby 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
10 it appertains to make and use the same.

The present invention relates to an apparatus serving to close window-shutters from inside without the necessity of opening the sash of the window.

15 In the accompanying drawings the new device is shown, Figure 1 being a horizontal section through the lower part of the window. Fig. 2 shows a top view of the parts applied inside of a room, while Fig. 3 is a side view
20 of the same, Fig. 4 being a detail which represents in horizontal and vertical section a box or casing to be inserted in the brickwork for the reception of parts of the mechanism.

a is a bar secured, preferably, to the lower
25 edge of the shutter, being hinged at its end to a bar or lever b , which has a handle C and is provided with a number of holes b' . The end with the handle C is projecting inside the room through a horizontal or longitudinal
30 slot e' in a metallic base-plate E , secured against the wall. Said bar or lever can play in this slot and take the positions indicated in Fig. 1 by full lines and by dotted lines, being held therein alternately by a spring-
35 actuated lock and bolt d or catch e . The bolt d is preferably spring-actuated in the ordinary manner of spring-bolts and the lower edge is beveled, as shown in Fig. 2, so that the lever by striking it when moved from
40 right to left presses it back and allows it to fall into one of the holes b' . The catch e is secured to a plate e^2 , which is laterally adjustable by screws e^3 in plate E , passing through recesses in the plate e^2 .

45 It will easily be understood by examining the front elevation, Fig. 2, how the plate e^2 can be shifted to adjust the catch e in any desired position along the slot e' . In the middle of said adjustable plate the catch or bolt
50 e is arranged in a sleeve e^4 , forming part of the plate e^2 . Said sleeve is provided with a horizontally and then vertically extending

angular slot e^5 , through which a pin projects from the bolt e , having outside a handle e^6 .

It will be easily understood that the bolt e 55 may be raised by means of this handle e^6 and that by swinging the same around in the horizontal part of the slot e^5 the bolt e will be maintained in a raised position, so that the slot e' in the plate E is free for the motion of the lever b . When the same has been brought into the position indicated in Fig. 1 by dotted lines, the bolt e may be inserted in one of the holes, thus locking the shutter in the closed position. By loosening the screw 65 e^3 and shifting the bolt e^2 the closed position of the shutter may be so adjusted as to avoid lost motion or play and so as to give it a solid position. A casing f (shown in detail in Fig. 4) is inserted in the brickwork, receiving the 70 end of the arm a and of the lever b with the hinge connecting the two.

The spring-catch d or the bolt e , entering into one of the holes b' of the bar b , will secure a certain position for the shutter, and 75 thus it will be possible to secure it under any desired angle or in closed as well as in open position.

Having thus described my invention, I claim— 80

1. A shutter-worker in combination with a window-frame, a shutter having a bar secured to the lower edge thereof and extending beyond the inner end of the same, a lever pivoted to said inner end of said bar and having 85 at its other end a handle, said lever being provided with openings therein, a casing adapted to receive said pivoted connection of bar and lever and a base-plate having a longitudinal slot therein secured to the inner side 90 of said window-frame and having thereon an adjustably-mounted plate, a catch secured to said latter plate adapted to engage said lever and a spring-actuated locking-bolt also adapted to engage said lever, all of said parts being 95 combined substantially as described.

2. In a shutter-worker, a bar secured to the lower edge of said shutter and extending beyond the inner edge thereof, a lever pivotally connected to said bar and having a handle secured to its free end, a base-plate having a longitudinally-extending slot therein adapted to receive said lever, a spring-actuated bolt fastened to said plate and adapted to engage 100

said lever, a plate having recesses at each end thereof, screws adapted to pass through said recesses and engage said main plate, a sleeve integral with said adjustable plate and having in its outer surface a horizontally and then vertically extending slot, a bolt mounted in said sleeve having a pin thereon adapted to pass through said horizontally and then vertically extending slot and a handle secured to the outer end of said pin, said bolt being adapted to engage said lever, all of said parts being combined substantially as described.

3. In a shutter-worker, a bar secured to the under side of said shutter and extending beyond the inner edge of the same, a lever pivotally secured to the extended arm of said bar and having openings therein, a handle secured to the free end of said lever, a metallic base-plate having a horizontally-extending slot therein through which the end of the said lever is adapted to pass, a spring-actu-

ated bolt fastened near one end of said slot and adapted to enter said lever-openings, an adjustable plate having recesses near either end thereof, screws mounted in said metallic plate and adapted to clamp said adjustable plate thereto, a sleeve integral with said latter plate, having an angular slot therein, a bolt mounted in said sleeve having its lower end adapted to enter said lever-openings, a pin secured to said bolt and being adapted to pass through said angular slot and a handle secured to the other end of said pin, all of said parts being combined substantially as and for the purpose described.

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

AMÉDÉE LAGARIGNE.

Witnesses:

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G. GUILLET.