

(No Model.)

G. W. PRENTICE.
SETTING INSTRUMENT.

No. 275,702.

Patented Apr. 10, 1883.

Fig. 1.

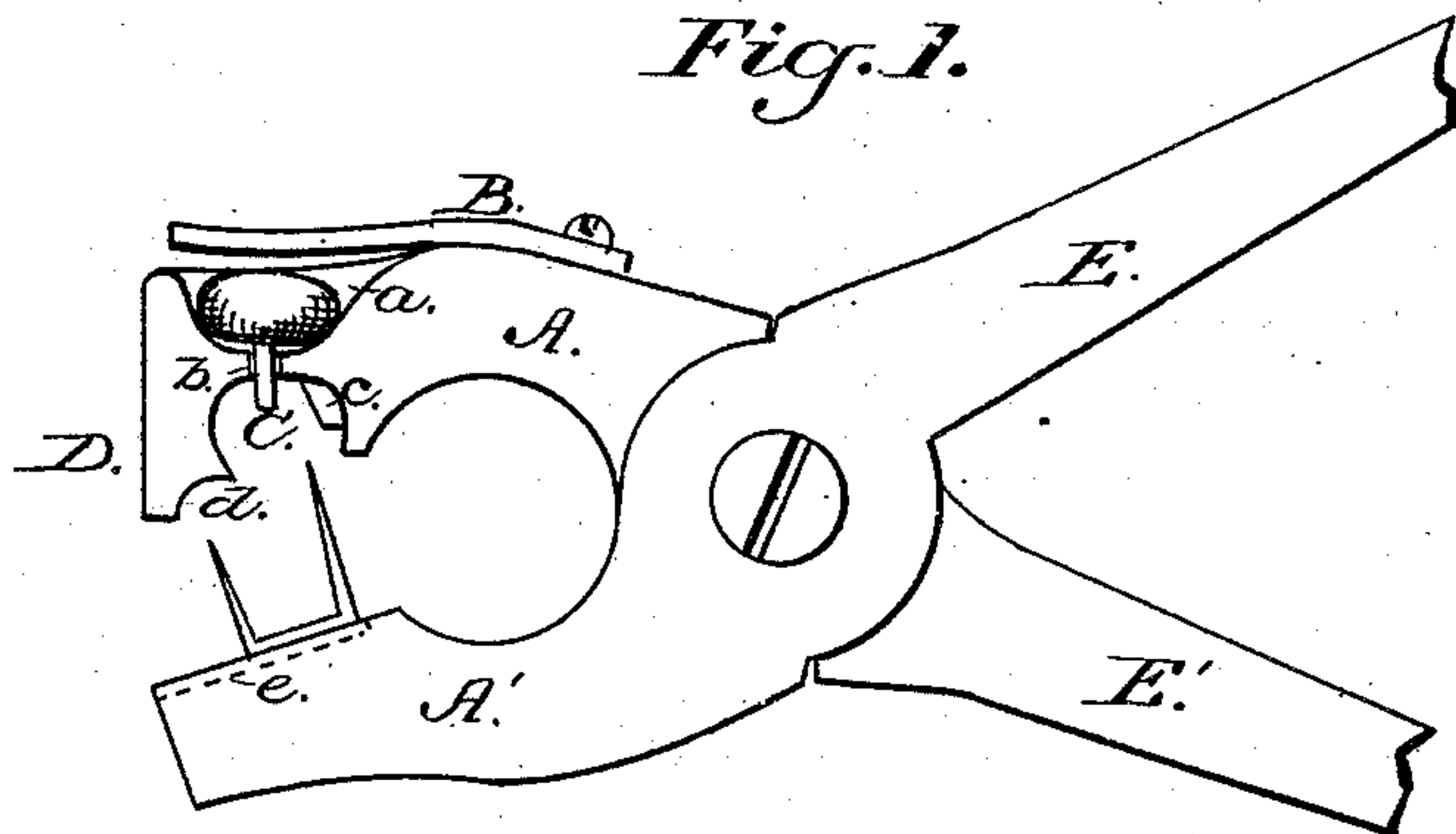


Fig. 2.

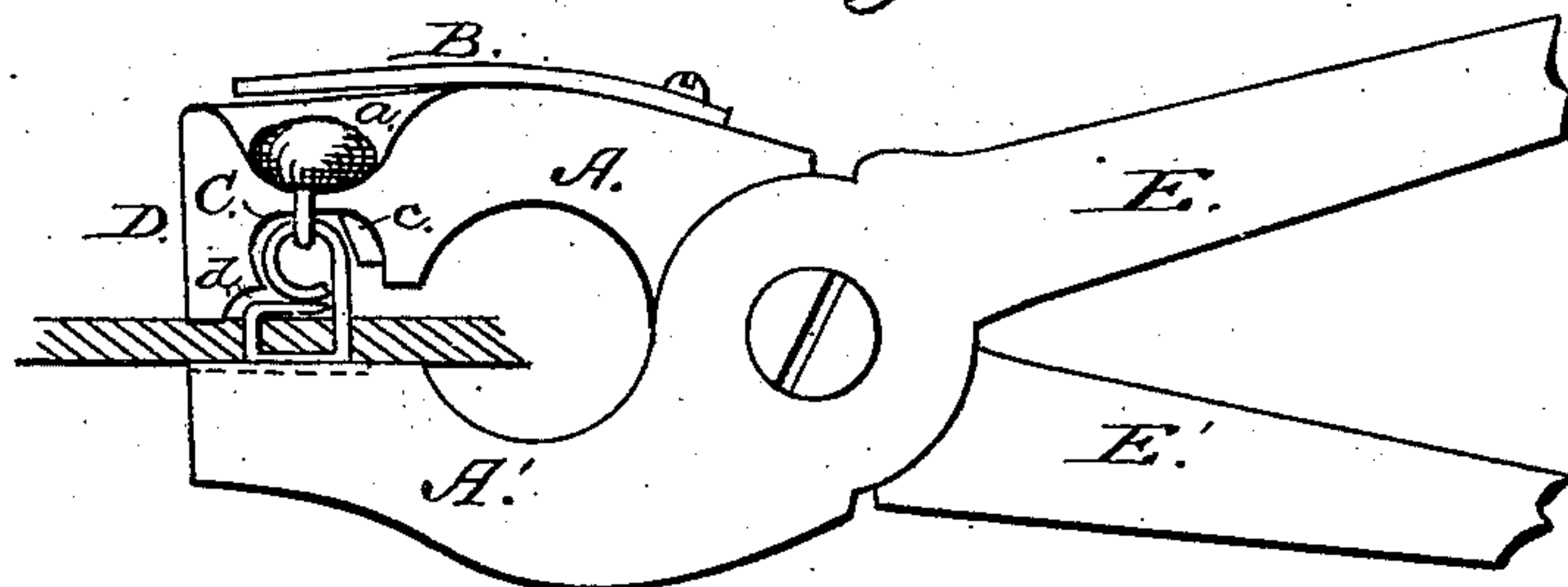


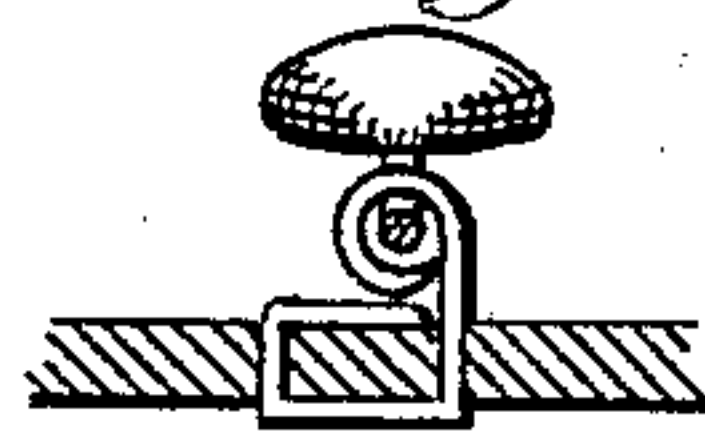
Fig. 3.



Fig. 4.



Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

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SETTING-INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 275,702, dated April 10, 1883.

Application filed February 12, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. PRENTICE, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Setting-Instruments; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My present invention relates to improvements in that class of setting-instruments which are adapted for attaching buttons to fabrics or other materials by means of a metallic fastener or connection; and my improvements consist of a setting-instrument the upper jaw of which is provided with a recess for holding the buttons which are to be attached to fabrics, and also provided with dies of novel construction and arrangement, which are adapted to curve or deflect the points or prongs of a fastening device, which is held in the lower jaw of the instrument in such manner that one of the said points or prongs is bent down upon the upper surface of the fabric to form a retaining plate or table, while the opposite point or prong passes through the shank of the button and forms a loop to secure the same to the fabric, all as will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents a side elevation of a setting-instrument embodying my improvements, with the jaws thrown open and a button and fastener in position ready to be attached to a fabric; Fig. 2, a similar view, showing the jaws in a closed position and the button and fastener as attached to a fabric. Fig. 3 represents a top plan view of the lower jaw; Fig. 4, a side view of the form of fastener adapted to be used in connection with my setting-instrument, and Fig. 5 a similar view as attached in place to a button and fabric.

Similar letters of reference occurring on the several figures indicate like parts.

In carrying out my improvements the upper jaw, A, of the setting-instrument is provided with a suitable recess, *a*, for receiving the button, which is held in place by a curved spring, B, attached to the upper surface of the said jaw A, as shown. The recess *a* opens outwardly to one side of the said jaw, and is provided with a slot, *b*, in its lower surface, for the shank of the button to project through into the curved recess or die C, directly below the said recess *a*. The outer end wall, D, of the upper jaw, A, projects downwardly, as shown, and is provided with a curved die, *d*, upon the lower inner end of the same. The lower jaw, A', is provided with an elongated slot or groove, *e*, to firmly hold the base of the fastener during the operation of setting the same, said fastener having a short prong at one end and a longer prong at the opposite end, and both projecting upward, as shown.

In the operation of my improved device the button is first adjusted within the recess *a*, under the spring B, with its shank portion projecting down through the slot *b*, as fully shown in Fig. 1. The metallic fastener or connection is then adjusted in the slot or groove *e* of the lower jaw, A', with the long and short prongs projecting upward, as shown. The fabric or material to which the button is to be attached is now inserted between the two jaws, and by depressing the handles E E' the jaws are closed together, the die *d* of the extension D first bending the shorter prong of the fastener, which has passed through the fabric, over upon the top surface thereof, while the upper die, C, as it descends, deflects the longer prong of the fastener through the shank of the button and forms a loop for securely attaching the same to the fabric, as fully shown in Figs. 2 and 5, a suitable stop, *c*, being provided to the rear side of the curved recess or die C, to guide the longer prong in the proper direction to be deflected through the shank of the button.

Having thus described my invention, what I claim as new and useful is—

1. As an improved article of manufacture, the herein-described setting-instrument, consisting of the jaws A A', operated by the handles E E', the upper jaw, A, of which is provided with a holding mechanism for the but-

ton, an upper enlarged die, C, and a lower die, *d*, and the lower jaw, A', provided with an elongated slot or groove, *e*, all substantially as and for the purpose specified.

5 2. In a setting-instrument, the upper jaw, A, provided with the recess *a*, having slot *b*, spring B, enlarged curved recess or die C, having stop *c*, and lower extending portion, D, provided with a die, *d*, in combination with the

lower jaw, A', having elongated slot *e*, substantially as and for the purpose specified.

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

GEORGE W. PRENTICE.

Witnesses:

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