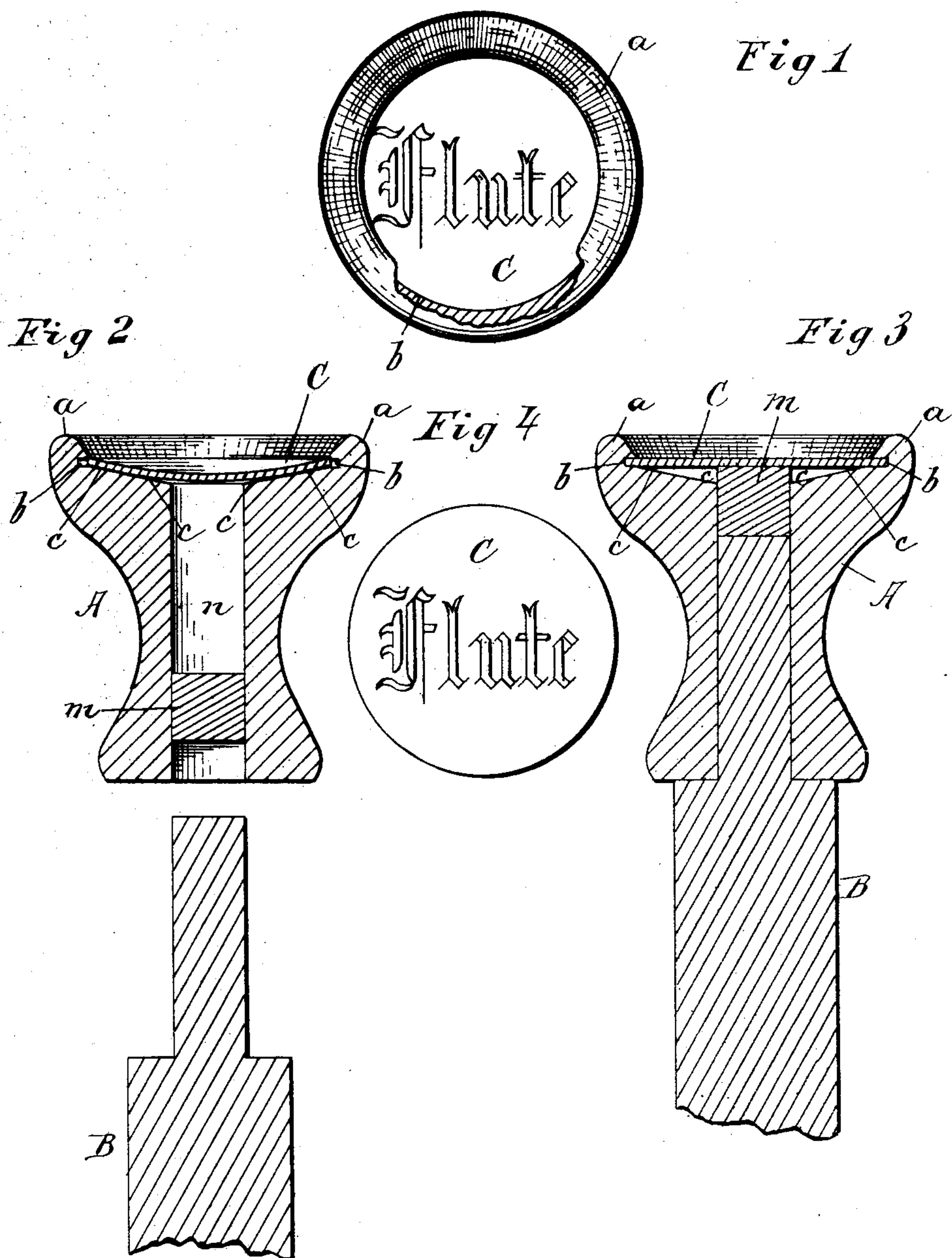


(No Model.)

R. ALDEN.
STOP KNOB FOR ORGANS.

No. 328,448.

Patented Oct. 20, 1885.



Witnesses
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RINALDO ALDEN, OF CHICAGO, ILLINOIS.

STOP-KNOB FOR ORGANS.

SPECIFICATION forming part of Letters Patent No. 328,448, dated October 20, 1885.

Application filed February 14, 1885. Serial No. 155,971. (No model.)

To all whom it may concern:

Be it known that I, RINALDO ALDEN, of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Stop-Knobs for Organs, of which the following is a specification, reference being had to the accompanying drawings, in which similar letters of reference indicate like parts in all the figures.

My invention relates to the method of attaching to the stop-knob the plate upon which is engraved the name of the stop.

In the drawings, Figure 1 is an end view of my improved stop-knob, and Figs. 2 and 3 are sections of the same.

A is the knob. B is the stop-rod, and C is the plate having the name of the stop printed or engraved thereon.

My improved knob is provided on the end with the bezel *a*, underneath which is the groove *b*. The face of the knob is slightly depressed at the center, extending from the circumference, as shown by the line *c c c c*, Figs. 2 and 3. The plate C, Fig. 4, is formed preferably of celluloid, but may be made of metal, paper, or any elastic material, and has engraved or printed thereon the name of the stop which it is intended to designate.

The plate C is of the diameter of the groove *b*. To attach the plate C to the knob, I lay it on the bezel *a* and press it downward at the center until it reaches the bottom of the depression *c c c c* of the face of the knob. This

permits the edges of the plate to contract sufficiently to pass the inner sides of the bezel *a* and assume the position shown in Fig. 2, when the pressure is removed and the elasticity of the material causing the plate to flatten out its edges expand into the groove *b*, as shown in Fig. 2, and the plate is securely in position.

Some materials of which the plate C may be made may not be sufficiently elastic to spring back perfectly to the form shown in Fig. 3, and in such cases I insert a small piece of wood, *m*, through the hole *n* in the knob after first covering it with glue, which I push upward until it forces the center of the plate C to the required position, as shown in Fig. 3. In a few moments the glue dries and the plate is firm.

I claim—

1. The combination of the elastic plate C and the knob A, provided with the bezel *a*, the groove *b*, and the depression *c c c c*, substantially as shown, and for the purposes described.

2. The combination of the elastic plate C, the block *m*, and the knob A, provided with the bezel *a*, the groove *b*, and the depression *c c c c*, substantially as shown, and for the purposes described.

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Witnesses:

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