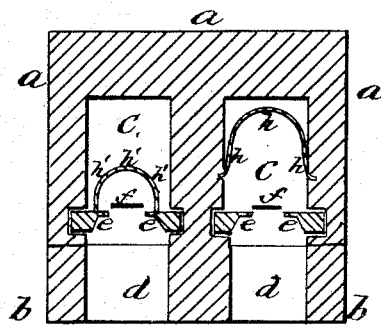
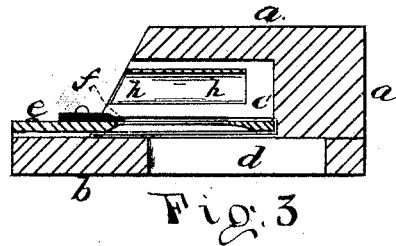
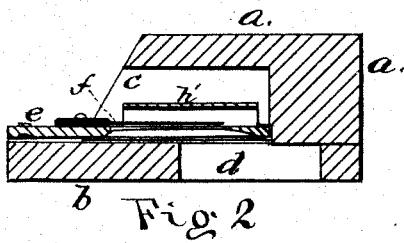
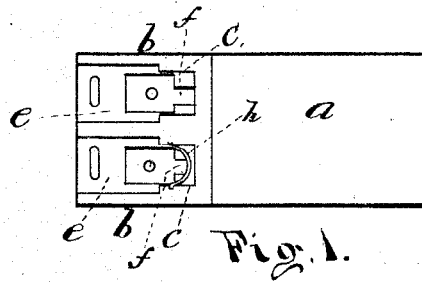


J. E. NORTON.
Organ-Reeds.

No. 164,472.

Patented June 15, 1875.



Witnesses
E. H. Ober.
Frankl's. Parker

Fig. 4
Inventor
J. E. Norton
By his Attys
Henry Williams & Co.

UNITED STATES PATENT OFFICE.

JABEZ E. NORTON, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO
TAYLOR & FARLEY ORGAN COMPANY, OF SAME PLACE.

IMPROVEMENT IN ORGAN-REEDS.

Specification forming part of Letters Patent No. **164,472**, dated June 15, 1875; application filed
February 20, 1875.

To all whom it may concern:

Be it known that I, JABEZ E. NORTON, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and valuable Improvement in Organ-Reeds; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention consists in the introduction of a metallic lining, below described, into the reed-chamber of a reed-organ, for the purpose of producing a cornet tone. The said lining may be attached to the sides of the reed-chamber, resting in grooves, or it may be built upon the reed-block itself, in either instance producing a very beautiful solo stop.

In the accompanying illustration, Figure 1 represents a top view of two reeds in their chambers, having my improvement attached, and sufficient portions of the reed-board and sounding-board to illustrate the invention. Figs. 2 and 3 are longitudinal vertical sections through the two reed-chambers shown in Fig. 1. Fig. 4 is an enlarged view of a cross vertical section through Fig. 1.

Similar letters of reference indicate corresponding parts.

a is the tube or reed board, and *b* is the sounding-board, both constructed as usual. *c c* are the reed-chambers; *d d*, the wind-openings below the reeds; *e e*, the reed-blocks, and *f f* the reeds, all constructed in the ordinary manner. *h*, as seen in Figs. 1, 3, and 4, is a

curved or arched metallic lining placed inside the reed-chamber over the reed, and resting upon grooves in the opposite sides of the said reed chamber. It extends to the extreme end of the said chamber, and imparts the cornet sound to the tone, as above mentioned. *h'*, as seen in Figs. 2 and 4, is a variation of the lining *h*, and produces the same effect. The lining *h'* is of the same arched shape, is built upon the reed-blocks *e*, and extends over the reed, and to the farther end of the chamber *c*. The principle is the same in both cases, and the effect is exactly similar.

Of course it will be understood that my invention is not designed to be used exclusively as a solo stop, although it makes a very beautiful cornet stop.

Having thus fully described my invention, I do not claim anything novel in the construction of the reed, reed-block, reed-board, or sounding-board; but

What I claim, and desire to secure by Letters Patent, is—

1. The combination, with the reed-chamber *c*, of the metallic lining *h*, arranged to be supported by the sides of the said chamber, substantially in the manner and for the purpose above set forth.

2. In combination with the reed-block *e*, the metallic lining *h'*, secured to, or formed with, said block, substantially as described.

JABEZ E. NORTON.

Witnesses:

J. HENRY HILL,
GEORGE S. HOWE.