

No. 757,075.

PATENTED APR. 12, 1904.

Q. M. WAIDENSCHLAGER.

APPARATUS FOR WARMING KEYBOARDS OF ORGANS.

APPLICATION FILED MAY 21, 1903.

NO MODEL.

FIG. 1.

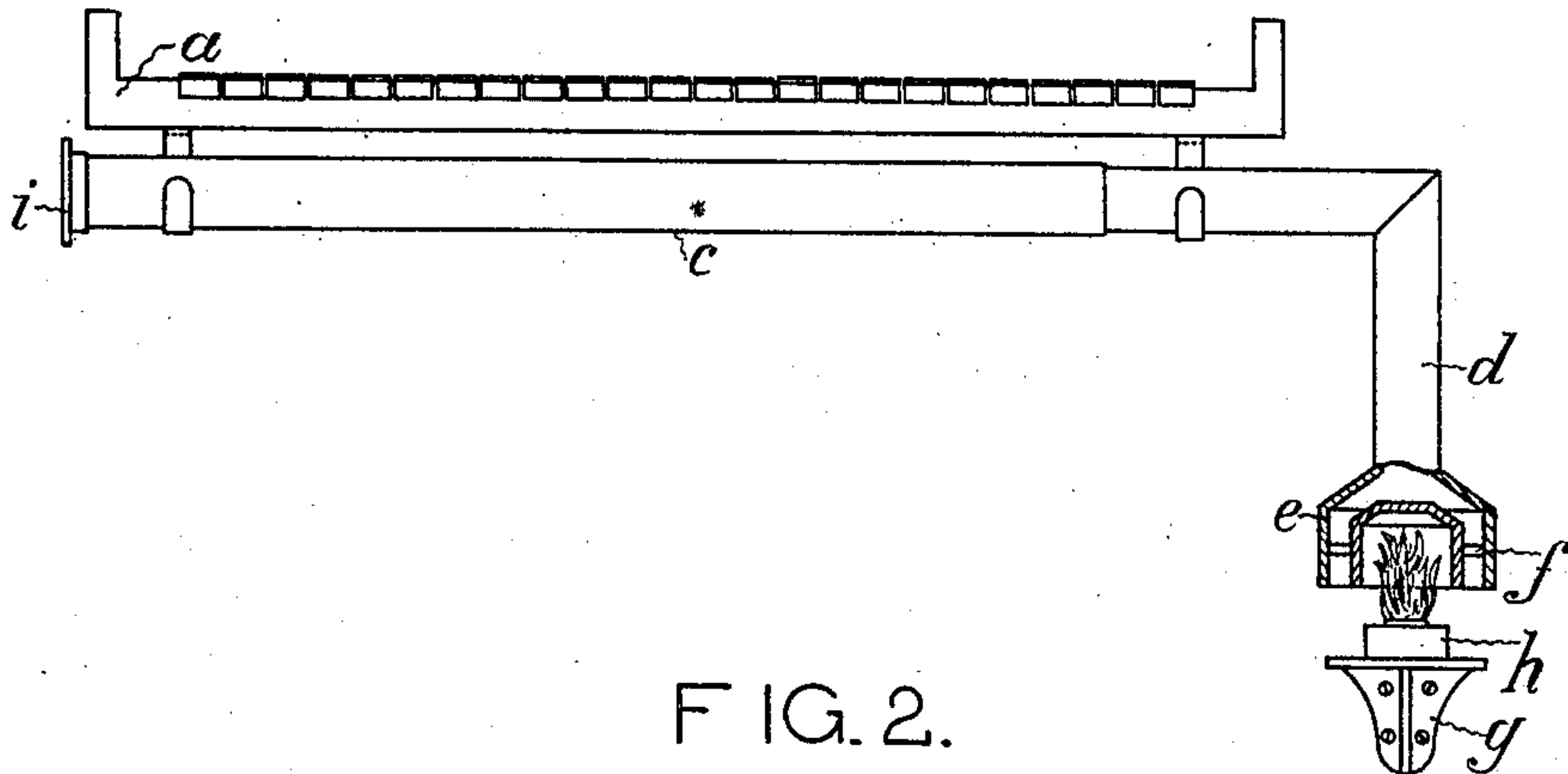


FIG. 2.

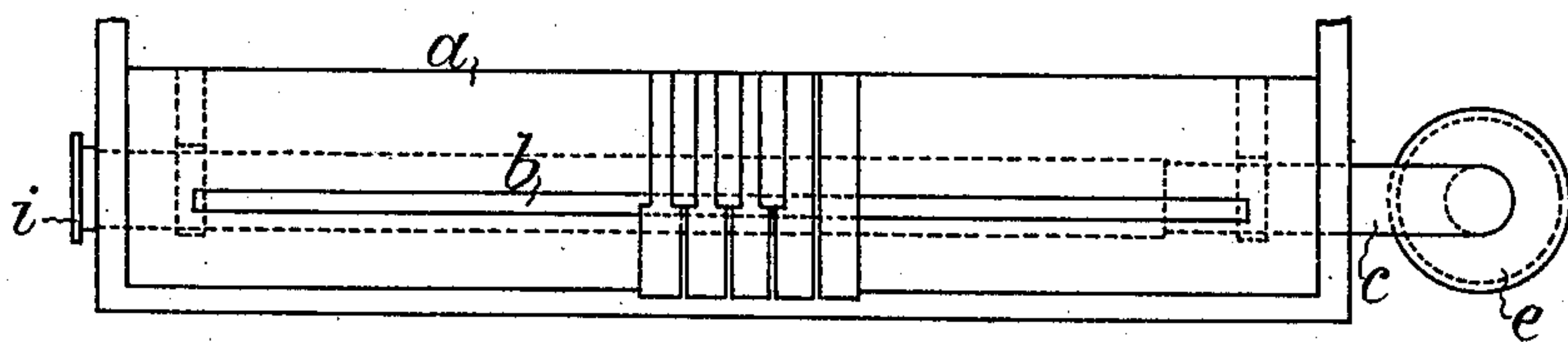
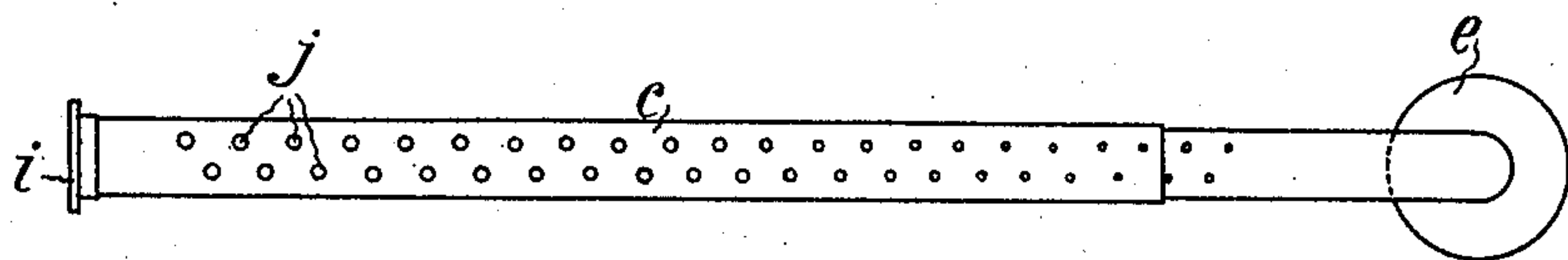


FIG. 3.



WITNESSES

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QUIRIN M. WAIDENSCHLAGER, OF SEIFRIEDSBURG, GERMANY.

APPARATUS FOR WARMING KEYBOARDS OF ORGANS.

SPECIFICATION forming part of Letters Patent No. 757,075, dated April 12, 1904.

Application filed May 21, 1903. Serial No. 158,138. (No model.)

To all whom it may concern:

Be it known that I, QUIRIN M. WAIDENSCHLAGER, a subject of the King of Bavaria, residing at Seifriedsburg, near Gemünden, in the Kingdom of Bavaria and Empire of Germany, have invented a new and useful Improved Apparatus for Warming Keyboards of Organs, of which the following is a specification.

My invention relates to apparatus for warming keyboards of organs, with the object of obviating the numbness of the hands in winter when playing the organ. This apparatus consists, substantially, of a pipe extending below the keyboard and having at one end a device for catching up the heat coming from a source of heat. The pipe extending below the keyboard has in its top part holes through which the heated air issues. This air passes through an opening in the keyboard-table to the keys, warms these keys, and rising through the intermediate spaces between the keys warms the hands of the performer.

I have shown the invention in the accompanying drawings, wherein—

Figure 1 is a front view; Fig. 2, a plan of a keyboard, the keys being partly removed to show the slot or opening in the table; and Fig. 3, a plan of the pipe.

The keyboard-table *a* has a slot *b*, below which the pipe *c* is arranged. This pipe may be of the telescopic kind for enabling the apparatus to be used with different widths of keyboards. One end of the pipe *c* carries a downwardly-extending branch *d*, furnished at its lower end with a funnel *e* for the inlet of the air to be heated. In the inlet-funnel *e* is arranged a box *f*, made of sheet metal and open below, this box enabling the air to pass all around to the pipe *c* and serving to heat such air.

On a bracket *g*, below the funnel *e*, may be arranged the heating device *h*, such as a spirit-

flame or the like. The other end of the pipe *c* carries a cap *i*, which is adapted to be removed for allowing the egress of the water-vapor first formed and of the warm air when heating strongly.

At its top side the pipe *c* is provided with holes *j*, increasing in size in proportion to their distance from the source of heat and through which the heat caught up in the funnel *e* can pass from the said pipe.

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

1. In apparatus for warming keyboards of organs, a keyboard-table furnished with a slot, and a pipe arranged below this table and provided at its top side with holes for the issue of heated air to the keyboard, substantially as herein set forth.

2. In apparatus for warming keyboards of organs, a keyboard-table furnished with a slot, a pipe arranged below this table and provided with holes at its top side for the issue of heated air to the keyboard, an air-inlet funnel at one end of the pipe, a box arranged in the said funnel and open below, and means for heating this box, there being an air-space between the box and the air-inlet funnel, substantially as herein set forth.

3. In apparatus for warming keyboards of organs, a keyboard-table furnished with a slot, a pipe arranged below this table and provided at its top side with holes for the issue of heated air to the keyboard, and a removable cap provided at the rear end of the said pipe, substantially as herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

QUIRIN M. WAIDENSCHLAGER.

Witnesses:

JEAN GRUND,
CARL GRUND.