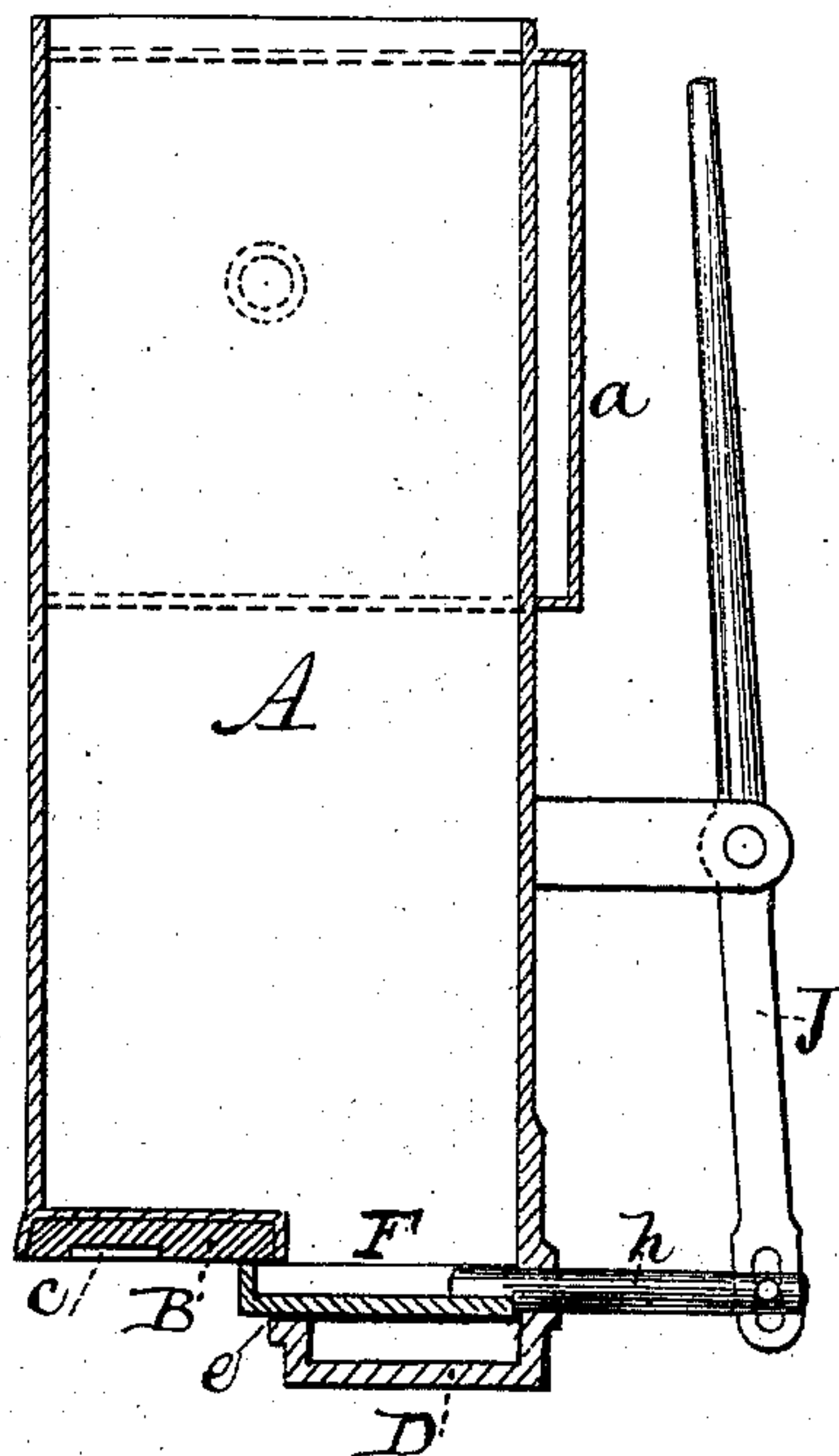


## Glue-Cups.

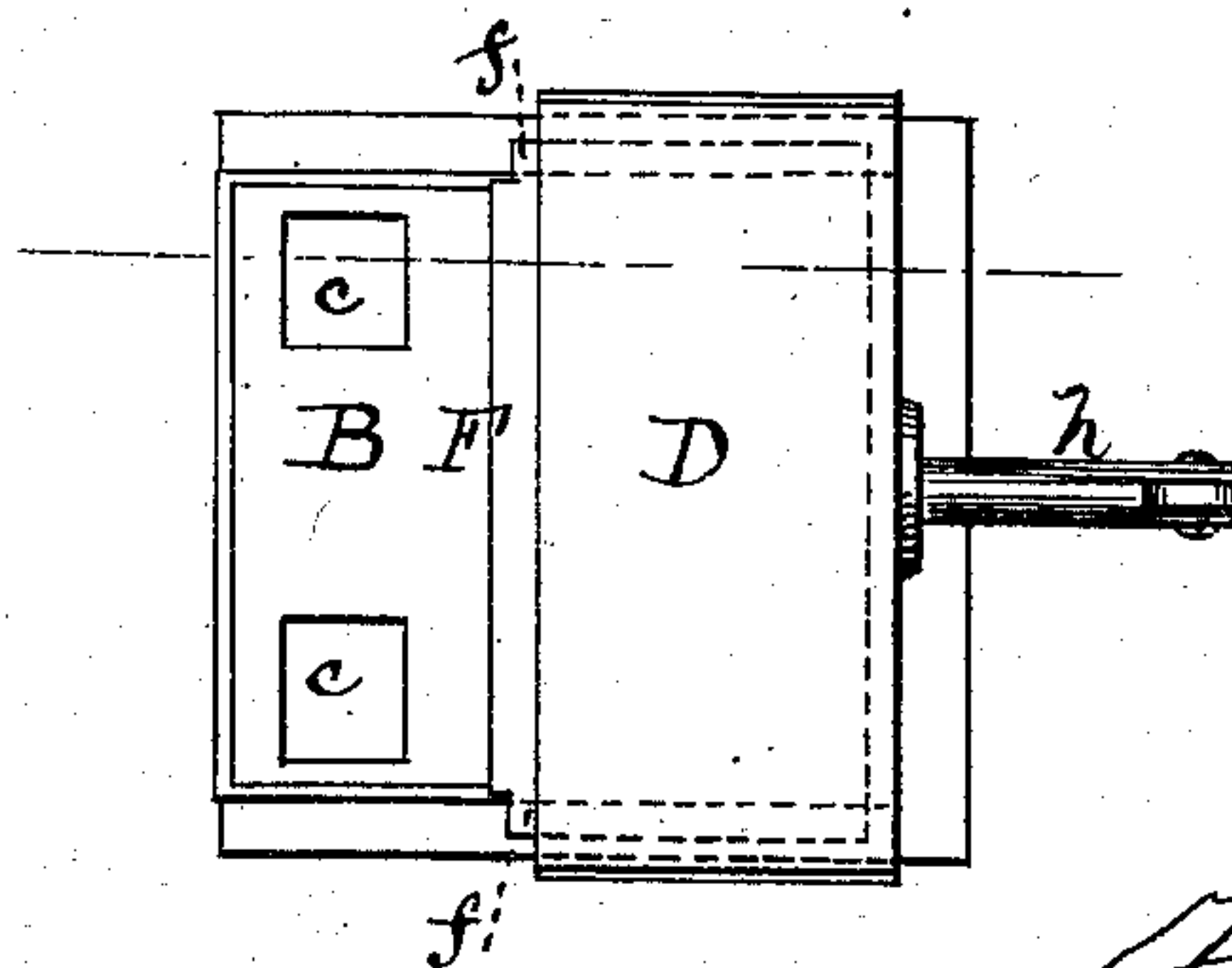
No. 158,961.

Patented Jan. 19, 1875.

*Fig. 1.*



*Fig. 2.*



Witnesses.  
John Becker  
Jas. Hargreaves

Henry Meyer  
Lydia's Attorney  
Broton & Allen

# UNITED STATES PATENT OFFICE.

HENRY MEYER, OF NEW YORK, N. Y.

## IMPROVEMENT IN GLUE-CUPS.

Specification forming part of Letters Patent No. **158,961**, dated January 19, 1875; application filed November 7, 1874.

*To all whom it may concern:*

Be it known that I, HENRY MEYER, of New York, in the county and State of New York, have invented a new and useful Improvement in Gluing-Hoppers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming part of this specification.

My invention relates to a device for containing liquid glue, and applying it to surfaces which are to be glued to other surfaces. The invention consists in a hopper provided with an open-topped slide and an elastic pad, having cavities in its face, and provided with means for moving the slide back and forth under the pad, whereby the glue may be deposited in the cavities, to be applied to the surfaces to be glued, leaving the rest of the face of the pad clean and free from glue.

In the accompanying drawing, Figure 1 is a vertical section of my improved hopper. Fig. 2 is a bottom view.

A represents the hopper, which may be of any suitable form, but is here represented as square in its cross-section, and considerably higher than its width. The liquid glue is contained in this hopper, and is kept hot by the circulation of steam in a steam-jacket, *a*, surrounding, or partly surrounding, the upper portion of the hopper. On the bottom of the hopper is the pad or cushion B, of rubber or other elastic substance, fitting in a recess, *b*, in said bottom. In the face of this pad are cavities *c*, corresponding in size, number, and location with the points at which it is desired to apply the glue on the surface to be glued, and of sufficient depth to enable them to hold a suitable quantity of glue. The pad or cushion B occupies about half the width of the bottom of the hopper. The other half of said width is occupied by an extension of the hopper, forming a box or pan, D, extending downward to a lower plane than the pad or cushion B, and communicating with the rest of the

hopper. On the side toward the pad is a slot or opening, *e*, in which the slide F works. Said slide consists of a box or pan, fitting snugly in the extension D, and against the face of the pad B, and provided with guides *f*, working in grooves in the extension D. Motion may be applied to the slide F by means of a lever, working either inside or outside of the hopper, or by any other suitable means. As represented in the drawing, the slide is provided with a rod, *h*, passing through a stuffing-box in the hopper, and attached to the lower end of a lever, J, which may be operated by any suitable means.

When the slide F is moved outward under the pad or cushion B it is filled with the liquid glue, which, being taken from the bottom of the hopper, is free from skin or impurities of any kind. As the slide passes under the pad B the cavities *c* become filled with glue, and as the slide is moved back to its former position it scrapes or wipes the glue from the surface of the pad, with the exception of the cavities *c*, leaving said cavities filled with glue, which is then deposited upon the surface to be glued by placing the pad upon such surface.

The hopper may have motion applied to it in such a manner that when used for gluing paper or similar material it may descend upon the paper to apply the glue, and on rising it may lift the paper from the place where the glue is applied, and deposit it where it is to be folded.

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

In a gluing-hopper, the combination of the open-faced slide F and the pad or cushion B, having cavities *c* in its face, substantially as and for the purpose shown and described.

HENRY MEYER.

Witnesses:

BENJAMIN W. HOFFMAN,  
VERNON H. HARRIS.