

C. C. SHEPHERD.
Writing and Drawing Slate.

No. 220,311.

Patented Oct. 7, 1879.

Fig. 1.

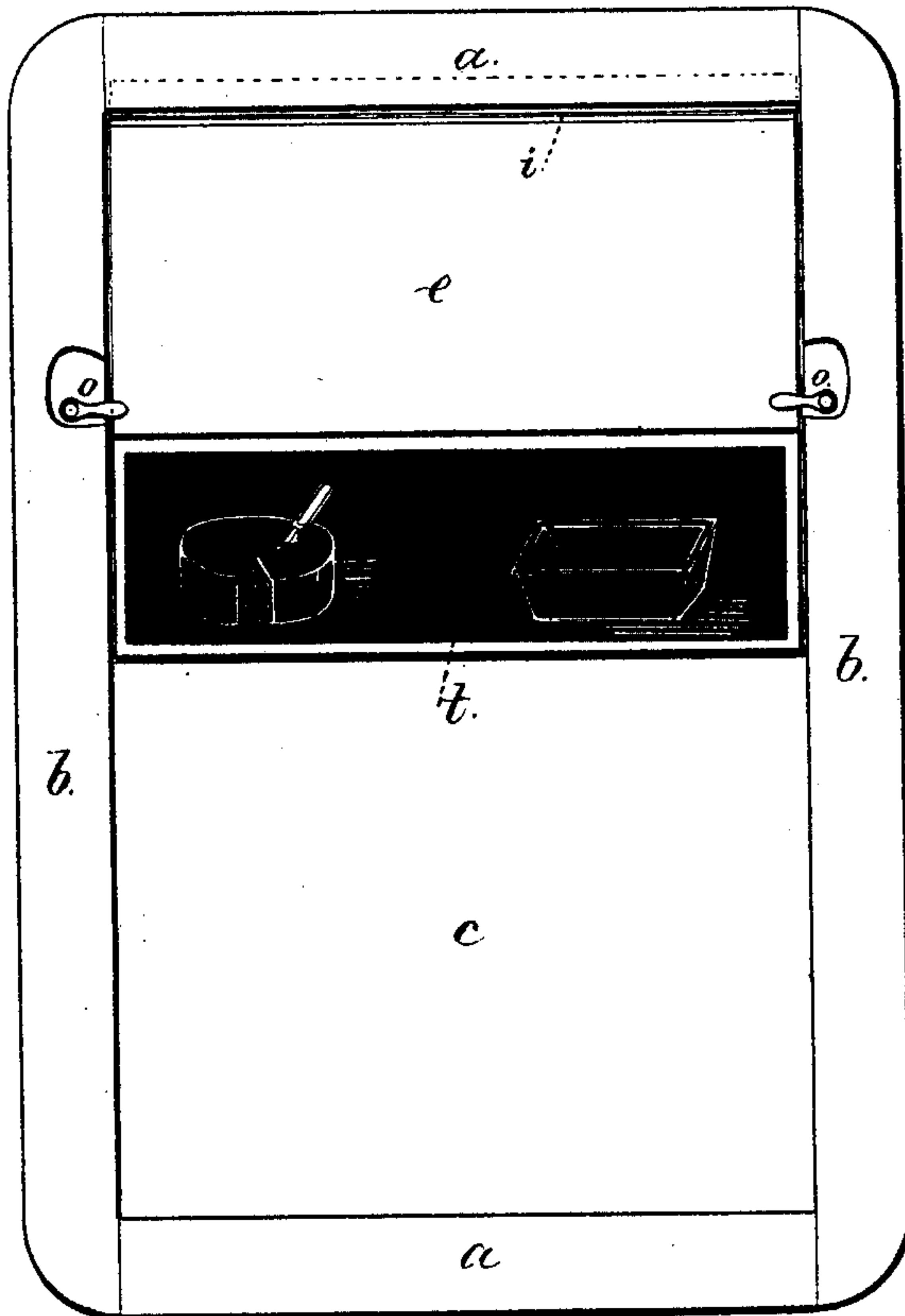
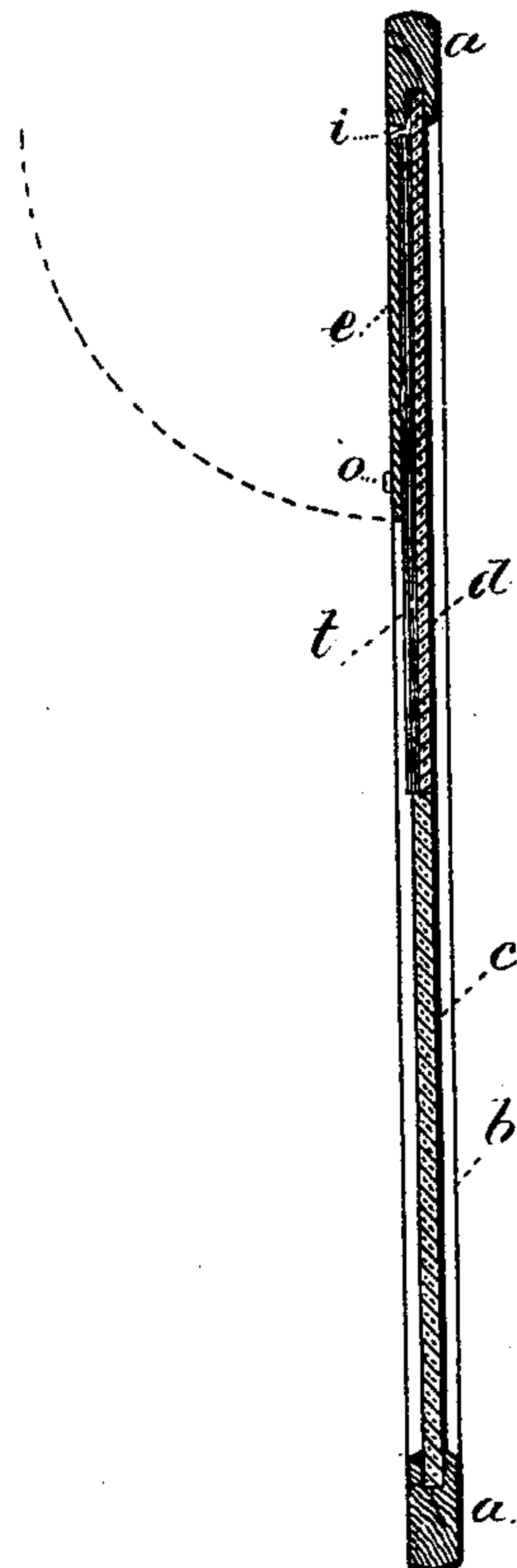


Fig. 2.



Witnesses

Chas H. Smith
Harold Ferrell
[Signature]

Inventor

Charles C. Shepherd.
per Lemuel W. Ferrell
[Signature]
att'y

UNITED STATES PATENT OFFICE.

CHARLES C. SHEPHERD, OF PASSAIC, NEW JERSEY.

IMPROVEMENT IN WRITING AND DRAWING SLATES.

Specification forming part of Letters Patent No. **220,311**, dated October 7, 1879; application filed August 27, 1879.

To all whom it may concern:

Be it known that I, CHARLES C. SHEPHERD, of Passaic, in the county of Passaic and State of New Jersey, have invented an Improvement in Writing and Drawing Slates, of which the following is a specification.

Transparent slates have been used for copying, writing, or drawing upon a paper placed beneath the ground glass, and an opaque slate has been held in the same box or frame that receives the transparent slate.

My present invention relates to a transparent slate and an opaque slate mounted in the same frame, and in line, or nearly so, with each other, in combination with a flap, and with copy slips or sheets that are held by such flap.

By this improvement the opaque slate can be used on either side for writing or drawing, and the glass slate can be used with either of the copy-slips, the drawing being performed with a lead-pencil on the transparent slate, or a soap-stone or other pencil on the opaque slate, and the combined slate only occupies the size usual with school-slates, thus giving great facility to learners.

In the drawings, Figure 1 is a view of the slate at the side containing the flap, and Fig. 2 is a section of the slate.

The frame of the slate is made in any usual manner with the ends *a* and sides *b*, and the groove within said frame receives the slates; but instead of having one slate throughout I make use of the opaque slate *c* and transparent slate *d*. These are in the same plane, or nearly so, and do not require any intervening frame or cross-bar; but such cross-bar can be introduced, if desired.

The flap *e* is hinged at *i*, and partially covers the smooth side of the ground glass *d*, and there are small buttons *o* to hold the flap when closed.

The copy sheets or slips are of the same size as the transparent slate, or nearly so, as usual, and one side of each of said copy-slips is printed upon with outline pictures or designs, to be copied with lead-pencil on the ground glass.

At the back of each copy-sheet designs, pictures, letters, or figures are printed with a dark ground, having the lines the color of the paper; but that printing only covers the portion of the sheet that is exposed between the edge of the flap and the opaque slate, so as to be in a position for being copied upon the said opaque slate.

The flap is, preferably, a piece of cardboard or wood, but it may be of other material, or in the form of an open frame. The hinge is, preferably, a piece of muslin or tape.

I claim as my invention—

The combination, with a slate-frame, of a transparent slate and an opaque slate essentially in the same plane within said frame, and a flap to retain the copy-sheets against the transparent slate, substantially as set forth.

Signed by me this 23d day of August, A. D. 1879.

CHAS. C. SHEPHERD.

Witnesses:

GEO. T. PINCKNEY,
WILLIAM G. MOTT.