

C. C. SHEPHERD.
DRAWING-SLATE.

No. 193,099.

Patented July 17, 1877.

Fig. 1.

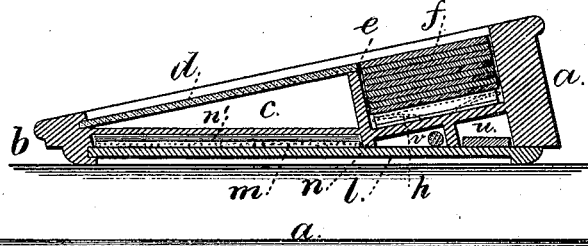


Fig. 2.

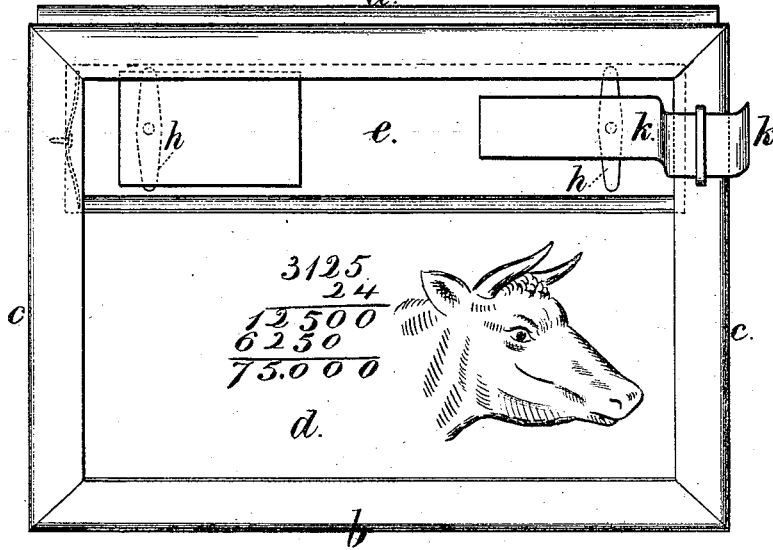
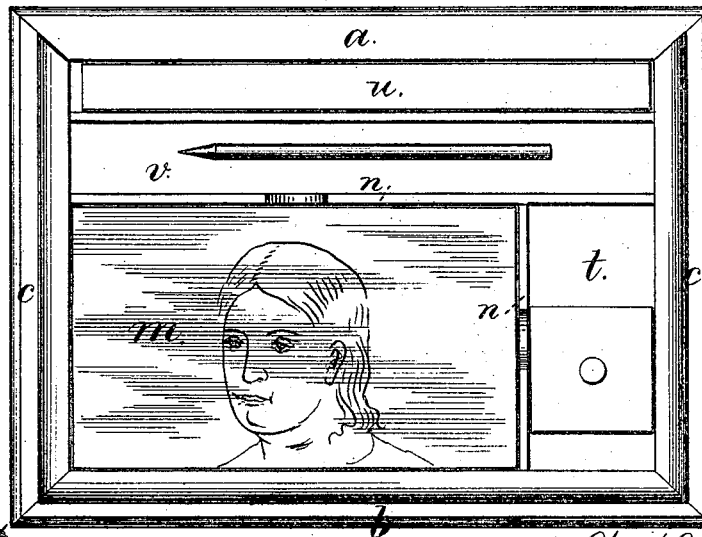


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES C. SHEPHERD, OF PASSAIC, NEW JERSEY.

IMPROVEMENT IN DRAWING-SLATES.

Specification forming part of Letters Patent No. 193,099, dated July 17, 1877; application filed October 16, 1876.

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 Drawing-Slates, of which the following is a specification:

In Letters Patent No. 165,126 granted to me June 29, 1875, a slate is shown in the form of a desk with movable copy-slips, and it is common to make use of a piece of ground glass upon which to draw with lead-pencil.

My present invention relates to an improvement upon my aforesaid slate whereby the copy-slips are confined in a convenient position to be changed, and a glass slate is added to the desk in such a manner that it may be used when the desk is turned upside down, forming a reversible inclined desk.

In the drawing, Figure 1 is a section of the slate complete. Fig. 2 represents the slate portion after the copy-slips have been removed, and Fig. 3 shows the desk as turned over and the cover of the transparent slate removed.

The desk portion of this apparatus is composed of a quadrangular frame, *a b c*, the back *a* being wider than the front *b*, so that the slate *d* forming one surface is sloping or inclined. There is a box, *e*, for the reception of the movable copy-slips *f* similar to that in my aforesaid patent, only the copy-slips all lie in one pile, and the upper one is exposed to view. There are springs *h* in the bottom of the box *e* that lift the pile of slips and cause them to hold at their ends beneath the rabbets of the frame. The strip of tape *k* is pulled upon to give end motion to the slip and liberate such slips at one end from beneath the rabbet, so that they may be lifted out of the box *e* and changed. They are inserted by a reverse movement in which the strip *k* is pushed beneath the right-hand rab-

bet by the end of the slip, after the left-hand end has been inserted beneath its rabbet, the space in the box being sufficient to allow of this movement.

The bottom of the desk is made as a sliding panel, *l*, fitting at its edges within grooves in the frame *b c c*, and hence the desk portion is hollow. I employ this for receiving the transparent drawing-slate or glass *m* that sets within the inclosing partitions *n* and rests upon the drawings or pictures to be copied. There is a notch at one portion of the partition *n* that allows the glass to be lifted in obtaining access to the drawings beneath. The glass is held in place by the sliding panel *l*, when inserted, so that it is not liable to fall out when the desk is turned over.

The space *t* at the side of the glass *m* can be used for a rubber that is used to clear either of the slates, and there are also spaces *u v* at the back of the box *e* for the reception of the ruler, pencils, &c.

I claim as my invention—

1. The combination, with the slate *d*, frame *a b c*, and movable copy-slips *f*, of the springs *h* placed beneath the slips and within the box *e*, as set forth.

2. The ground glass *m* and the inclosing-frame *n*, applied within the frame *a b c*, in combination with the sliding panel *l*, substantially as set forth.

3. The reversible inclined desk-frame having a slate attached at one side thereof and a receptacle at the other side, containing pictures and a transparent ground-glass drawing-slate, substantially as set forth.

Signed by me this 9th day of October, A. D. 1876.

CHAS. C. SHEPHERD.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.