

(No Model.)

J. SHAVER.
RULING DEVICE FOR SLATES.

No. 328,525.

Patented Oct. 20, 1885.

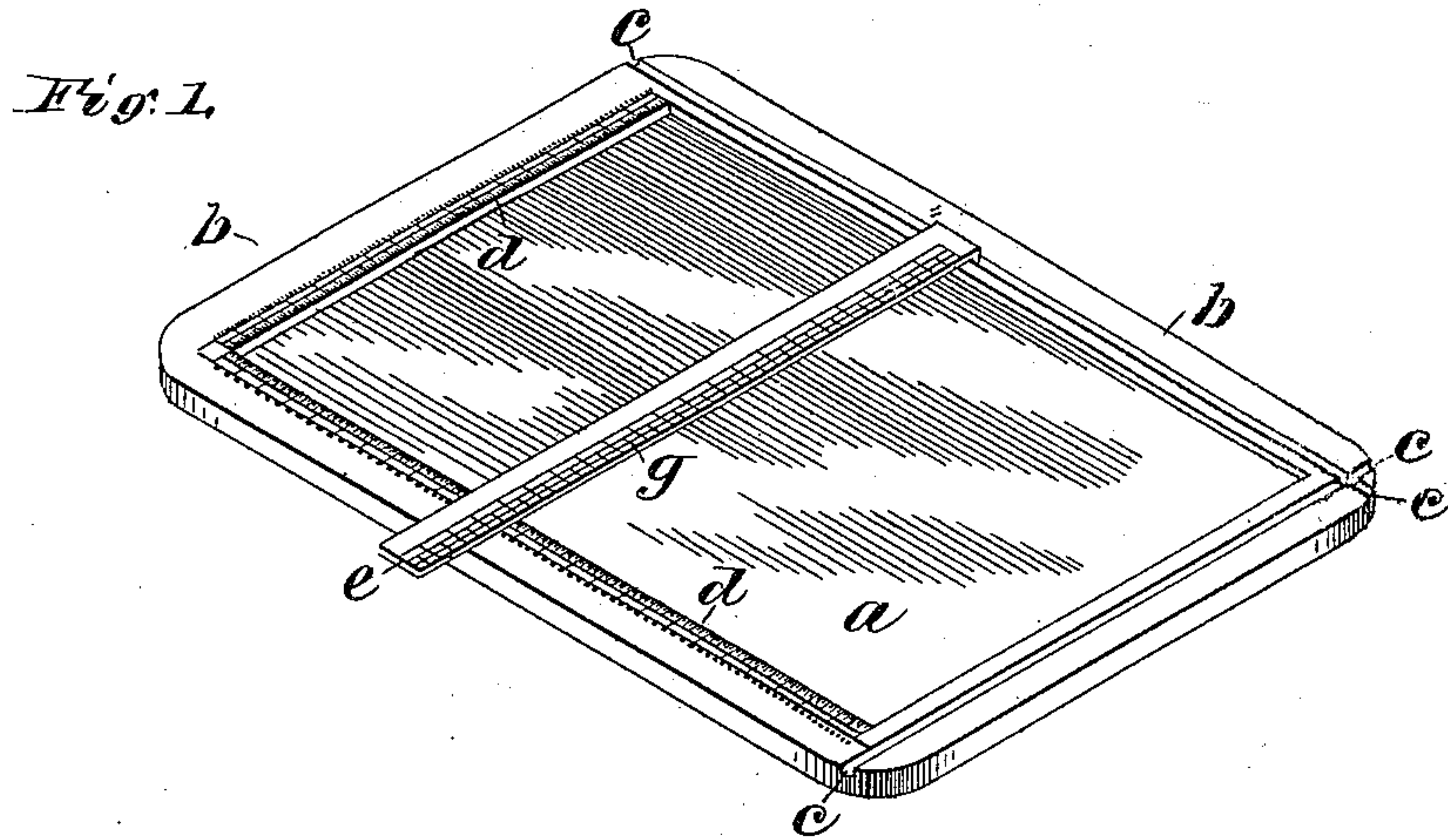
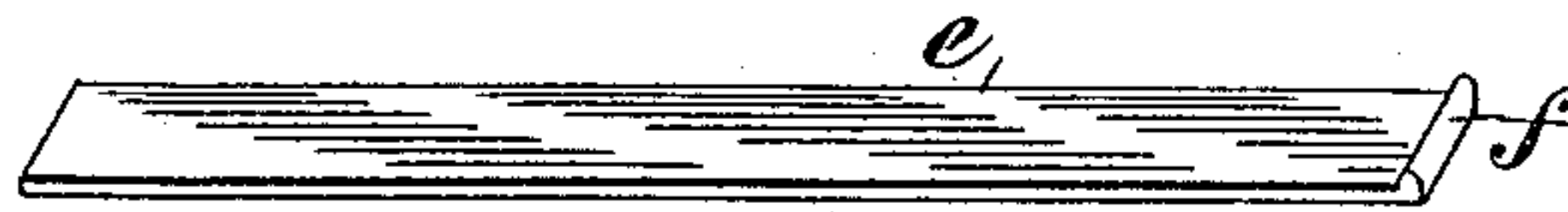


Fig. 2.



Witnesses

G. M. Gridley
M. J. Schinnerer

Inventor

Joseph Shaver
By Ernest Benedict
Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH SHAVER, OF MILWAUKEE, WISCONSIN.

RULING DEVICE FOR SLATES.

SPECIFICATION forming part of Letters Patent No. 328,525, dated October 20, 1885.

Application filed March 7, 1885. Serial No. 158,043. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SHAVER, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Ruling Devices for Slates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention, to be hereinafter claimed, relates to a ruling device for slates, whereby straight, true, and parallel lines may be readily drawn across a slate, either from top to bottom or from side to side thereof, the device being so simple and easily managed that any child can use it. I am aware that devices have been constructed for the same purpose heretofore; but all of them have been either so elaborate in construction or so unreliable for the purposes for which they were intended as not to have come into general use.

In the accompanying drawings, Figure 1 is a slate having my device. Fig. 2 shows the bottom of the rule composing a part of my device.

The same letters refer to like parts in both the views.

The slate *a* is provided with the usual frame, *b*, about its respective edges, which frame is provided on at least one side and one end with a straight and true channel or groove, *c*, in the face of the frame, which grooves are respectively parallel with the central longitudinal and lateral axes of the slate and at right angles to each other. On the face of the frame, on the other side and end, I provide scales of linear measurements, *d*, marked with inches and fractions thereof, or with metrical divisions, or with both, as may be desired.

The straight-edge rule *e* is provided at one

end on one side with a lateral downwardly-extending flange, *f*, at right angles to the straight edge of the rule, which flange is adapted to fit nicely into the groove *c* and hold the rule at right angles thereto.

It will be seen that when the flange *f* is placed in the groove *c* with the rule extending across the slate, true straight lines may be drawn across the slate along the edge of the rule, and, by the aid of the scale *d*, a line may be made across the slate parallel to and at any desired distance from any other line on the slate. I also provide a scale, *g*, on the face of the rule *e*, whereby a line of any length not extending across the slate may be determined or established.

With this device any person, even the youngest of school-children, may readily draw on the slate true, straight, and parallel lines, and lines at accurate right angles to others already drawn, and lines of any desired length, whereby first lessons in drawing are greatly facilitated, which heretofore have been much embarrassed and retarded for want of some simple but accurate device of this kind.

I am aware of United States Patent No. 165,888, issued to W. B. Stevenson on July 20, 1875, and I do not claim the devices therein shown.

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

The combination of the slate-frame *b*, provided with a scale, *d*, the straight grooves *c c* in frame *b*, the straight-edge rule *e*, provided with scale *g*, and the flange *f*, rigid to rule *e* and at right angles to its straight edge, which flange is adapted to slide in the grooves *c c*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH SHAVER.

Witnesses:

C. T. BENEDICT,
M. J. SCHINNER.