

E. TRUMP.
Bread-Slicers.

No. 150,635.

Patented May 5, 1874.

Fig. 1.

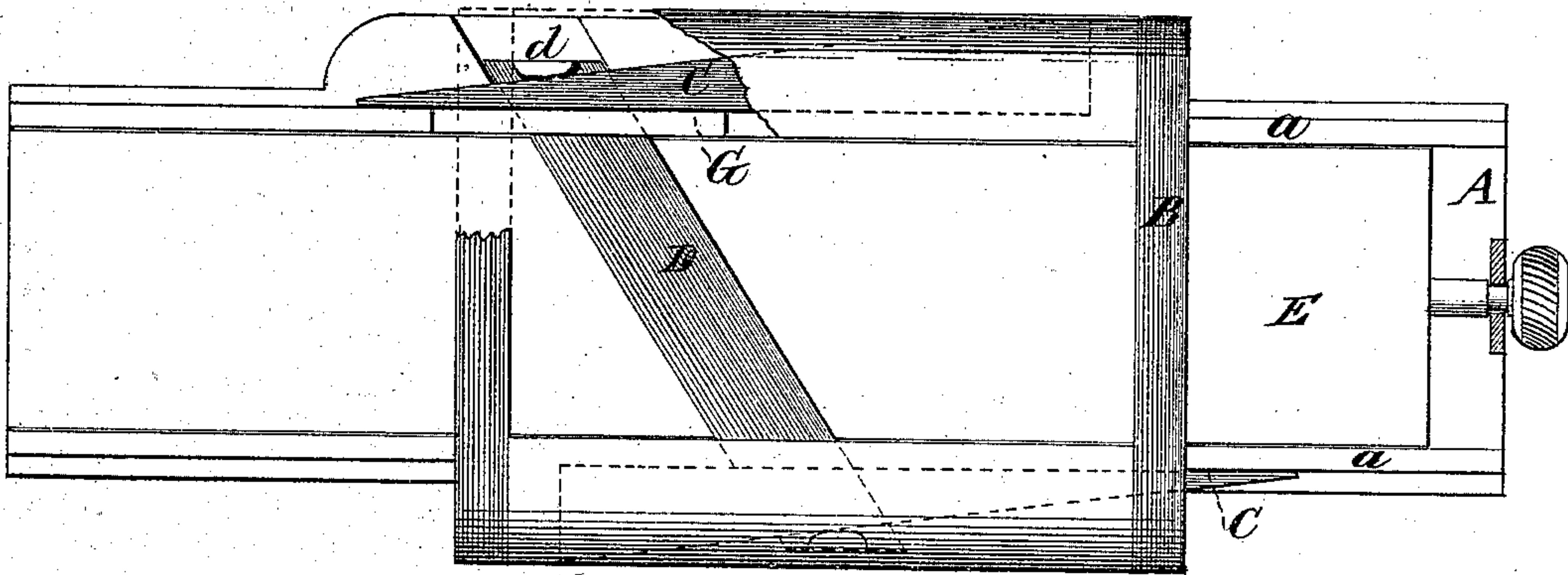


Fig. 2.

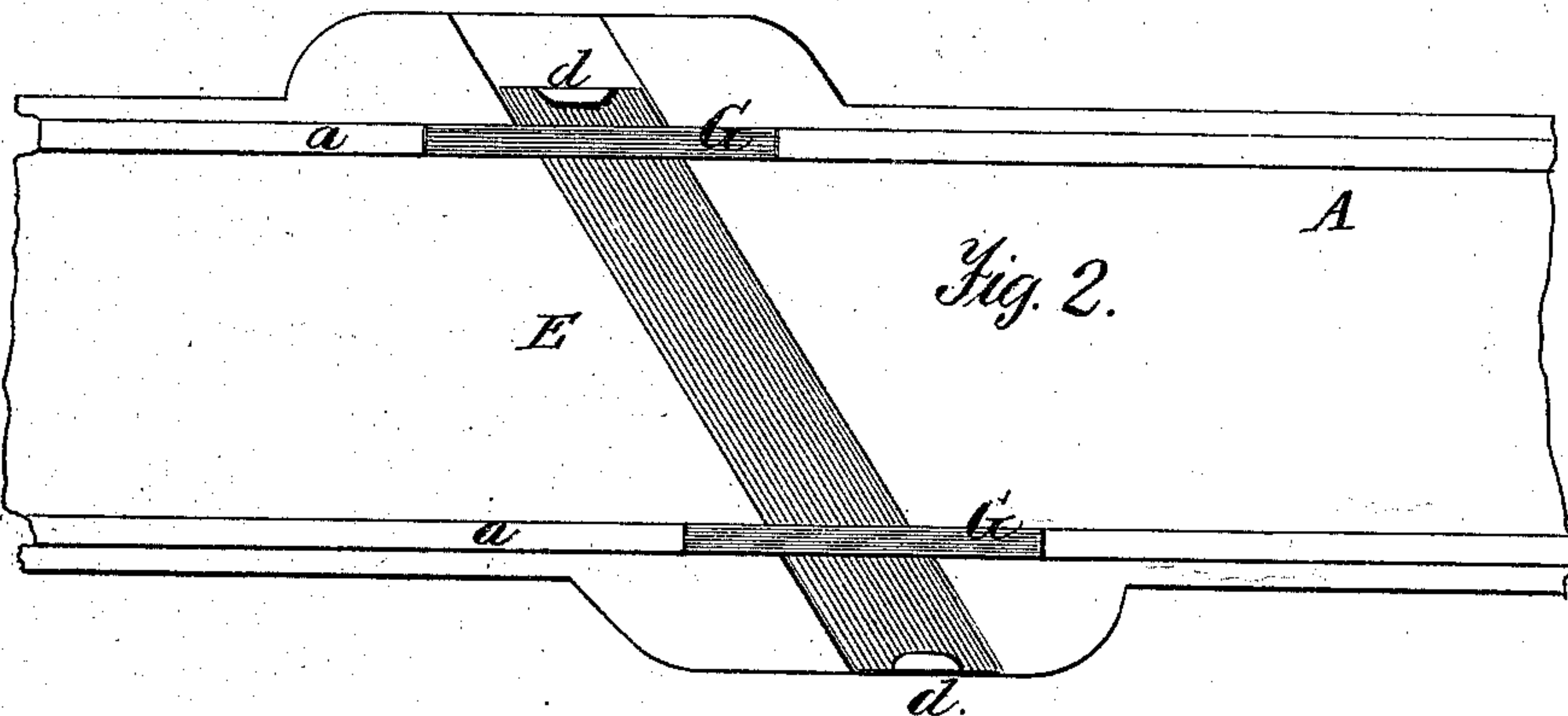


Fig. 3.

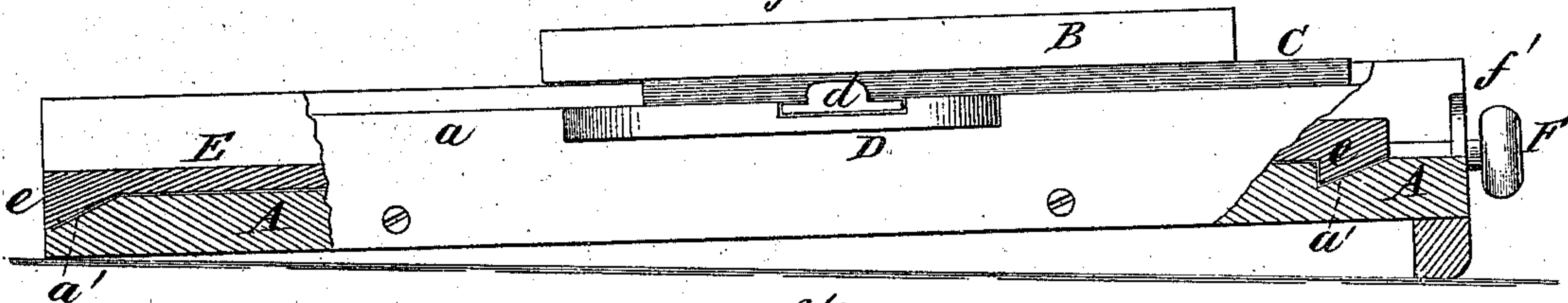


Fig. 4.

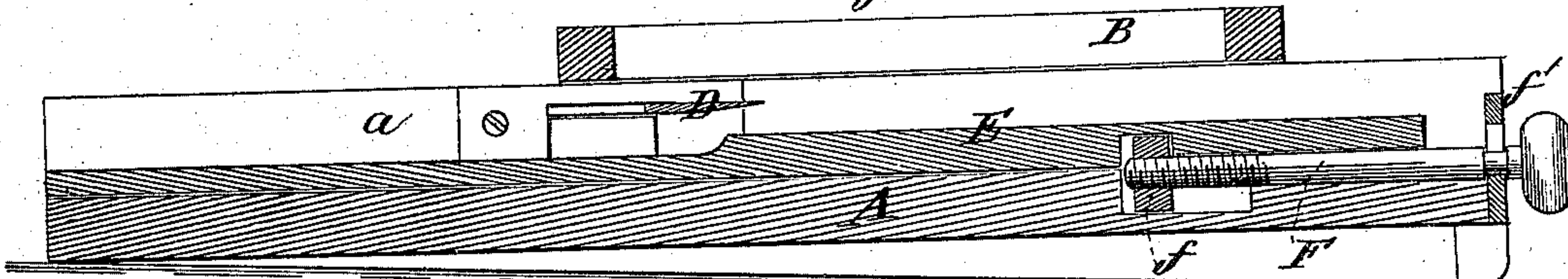
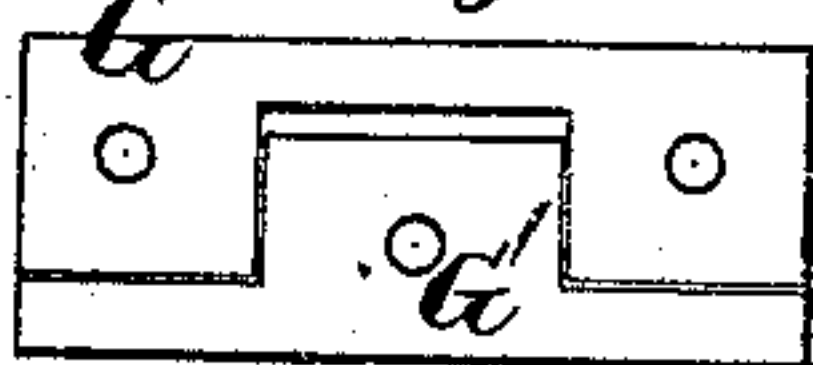


Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

EUGENE TRUMP, OF SPRINGFIELD, OHIO.

IMPROVEMENT IN BREAD-SLICERS.

Specification forming part of Letters Patent No. **150,635**, dated May 5, 1874; application filed March 5, 1874.

To all whom it may concern:

Be it known that I, EUGENE TRUMP, of Springfield, in the county of Clarke and State of Ohio, have invented certain Improvements in Bread-Slicers, of which the following is a specification:

This invention relates to that class of bread-slicers in which the loaf, placed in a reciprocating box or sash, is cut into slices by a knife arranged obliquely across the bed or frame on which the box or sash is moved back and forth. My improvement consists in the provision of a reciprocating knife in lieu of the ordinary stationary one.

In the annexed drawings, Figure 1 is a plan view of my improved bread-slicer, part of the sash having been broken away to show a portion of one of its wedges, which impart a reciprocating motion to the knife. Fig. 2 is a plan view of the bed and knife without the sash. Fig. 3 is a side elevation, partly in section. Fig. 4 is a longitudinal section. Fig. 5 illustrates one of the sectional knife-guides.

The same letters of reference are used in all the figures in the designation of identical parts.

The bed or frame A is provided with the upwardly-projecting parallel longitudinal rails *a*, upon which the box or sash B moves. Upon the under side of the side bars of the sash wedges C C are secured, pointing in opposite directions. The inner sides of these wedges move along the outer sides of the rails *a*, and their inclined outer sides travel in contact with the projections *d d* at the respective ends of the obliquely-arranged knife D, and thus impart a reciprocating motion to the same.

Between the knife D and the bed a board, E, which I term the bottom board, is arranged, and is vertically adjustable, to permit the gaging of the thickness of the slices. To this end it has at each end wedge-shaped projections *e* on the under side, resting on inclines *a'* on the bed, as shown in Fig. 3, and it is capable of being moved longitudinally, to raise or lower it, by a screw, F, turning in a nut, *f*, inserted in a recess in the bottom board, the screw being prevented from moving endwise by a plate, *f'*, on the bed, which encircles a reduced portion of the screw. An offset is made in the upper surface of the bottom board, making the portion back of the cutting-edge of the knife lower than that in front of it, to facilitate the clearance of the slices and their discharge. The knife moves in metallic guides, composed of plates G and G', and secured to the rails of the bed or frame A.

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

1. The combination of the reciprocating box or sash B and obliquely-reciprocating knife D, substantially as specified.

2. The oblique knife D, having projections *d d* on its respective ends, and the reciprocating box or sash B, carrying wedges C C, arranged as stated, substantially as specified.

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

EUGENE TRUMP.

Witnesses:

CHAS. VANDEGRIFT,
E. W. KELLY.