

(No Model.)

S. L. DENNEY.
BREAD AND MEAT SLICER.

No. 252,360.

Patented Jan. 17, 1882.

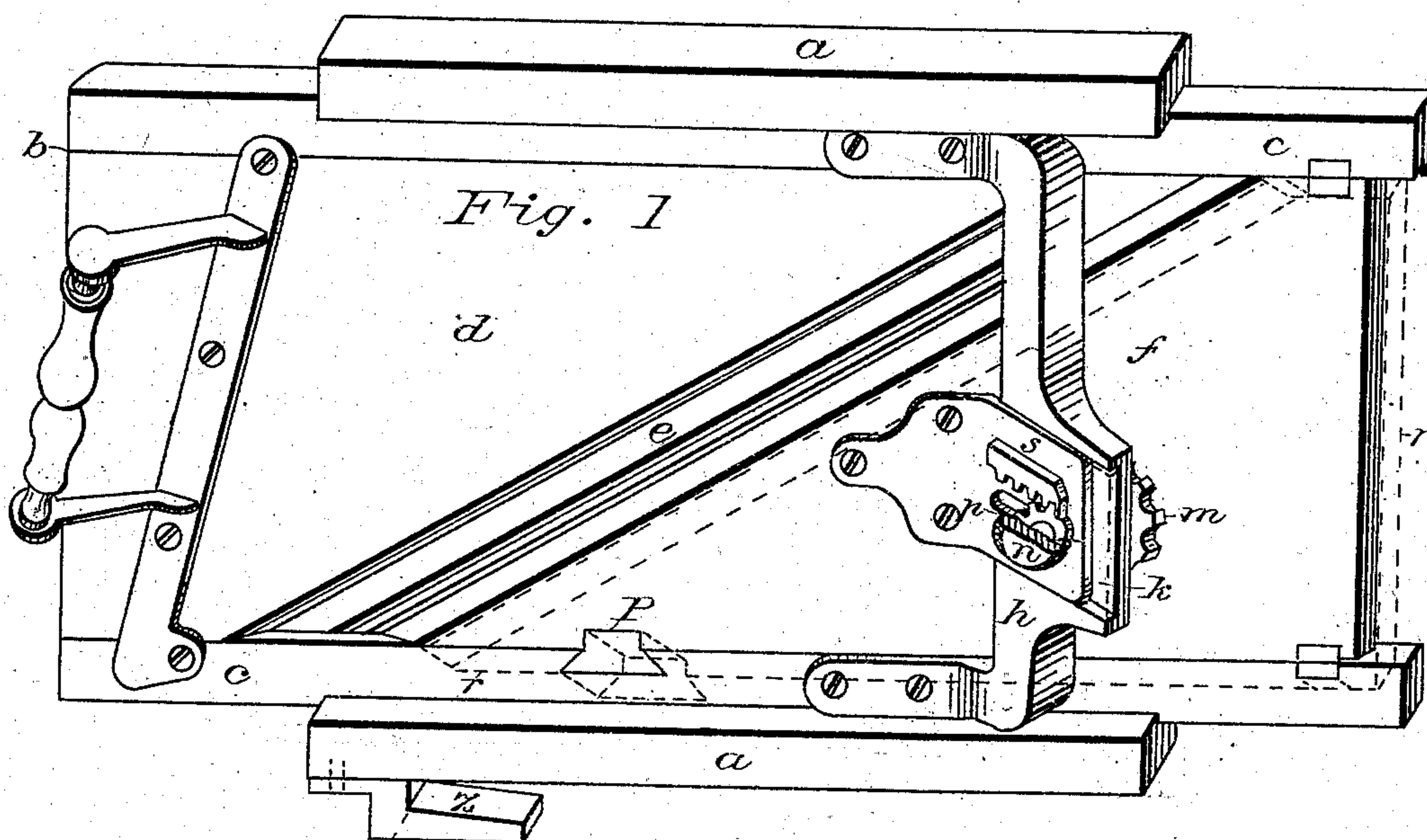
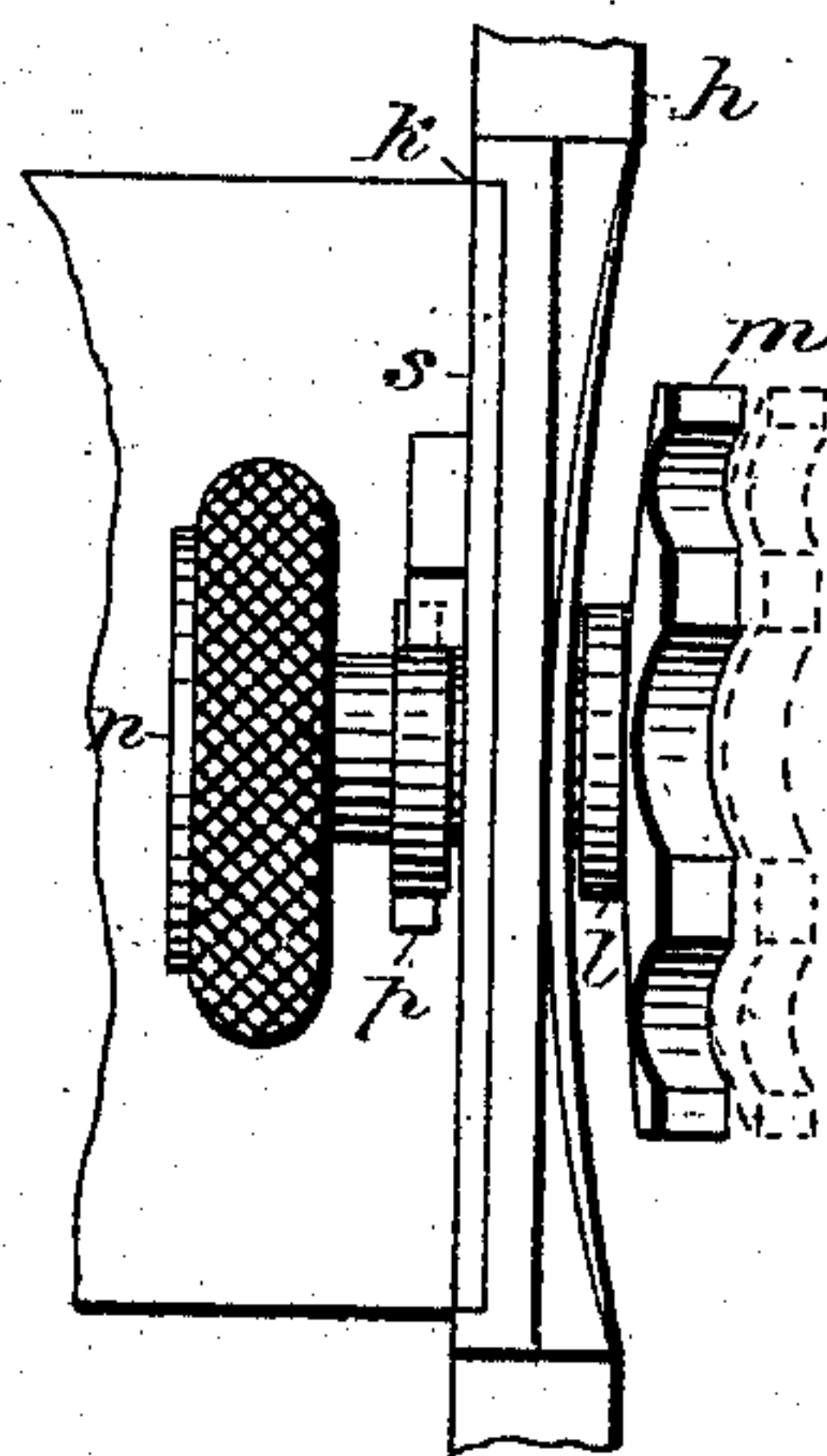


Fig. 2



Witnesses
Geo. W. Eggleston
F. S. Eastman

Inventor
Samuel L. Denney.

UNITED STATES PATENT OFFICE.

SAMUEL L. DENNEY, OF GAP, ASSIGNOR TO ISRAEL L. LANDIS, OF
LANCASTER, PENNSYLVANIA.

BREAD AND MEAT SLICER.

SPECIFICATION forming part of Letters Patent No. 252,360, dated January 17, 1882.

Application filed May 11, 1880. Renewed January 26, 1881; again renewed December 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL L. DENNEY, a citizen of the United States, residing at Gap, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Bread and Meat Slicing Machines; 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.

This invention relates to that class of slicing-machines having the cutting-blade set in a frame or board, and at such an angle as may be desired, and is made to move in a direct line back and forth by the arrangement of suitable guides for the purpose. The cutting-board is required to be adjustable and move at an angle that will enlarge or diminish the space between the board and the blade, and also the space for the slice to pass freely through. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view with the thumb-screw in section, showing the rack and pinion. Fig. 2 is a side view of the improved device for adjustment of cutting-board.

Similar letters refer to similar parts throughout the views.

The guides *a a* may be connected together by any suitable device that will hold them in a position parallel to each other, and are provided with grooves, in which the frame *b* is made to slide back and forth in operating the machine.

The sliding frame *b* consists of the two pieces *c c*, which are secured to the angular board *d*, and form the slides to work in the guides *a a*. The blade *e* is secured to the board *d*.

The cutting-board *f* should work free between the slides *c c*, and to secure this freedom of action I dispense with guides at its upper edge and employ my improved adjustment, which is supported upon the bridge *h*. This I place at any desired angle that I may wish to move the cutting-board in. I make a re-

cess, *k*, in the bridge to receive the angular plate *s*, which is secured to the cutting-board. A slot is formed in said plate of suitable length, and cogs are formed on the face, in which the teeth of the pinion can work, as seen in Fig. 1. The pinion is fast to the shank of the thumb-piece *n*, which works free in a hole in the bridge and extends through far enough, and has a tightening-nut, *m*, on its projecting end.

The operator, in adjusting the cutting-board to cut any thickness of slice, turns the thumb-piece which operates the pinion *p*, thus moving the cutting-board in or out in the direction of the dotted lines *r*, and to secure it at any point turns the nut *l*, which causes the pinion which acts as a collar against the angular plate, to hold it firmly against the bridge.

To prevent the rear end of cutting-board *f* from being forced out of its proper line by the pressure of the articles being sliced, I use the dovetailed guide *P*. This peculiar form of guide secures a comparatively large wearing-surface, which adapts it to this particular purpose.

To hold the machine while in use, I provide the beveled clamp *z*, which is secured to the under side and near to the end of the machine, to embrace the edge of the table, as indicated by the dotted lines *w*.

I disclaim the general features of the machine shown in the patents granted to A. Iske May 4, 1875, No. 162,823, A. Iske March 9, 1880, No. 225,387, same class, and A. Iske November 18, 1879, No. 221,824, (straw cutter,) and confine my invention to the particular method of adjustment.

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

The combination, in a slicing-machine, of the bridge *h*, angular plate *s*, thumb-piece *n*, with its pinion, and tightening-nut *m*, all substantially as set forth.

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

SAMUEL L. DENNEY.

Witnesses:

D. P. COWL,
L. BACON.