

B. D. Whitney,

2. Sheets, Sheet 1.

Basket Machine.

No. 103533.

Patented May 24. 1870.

Fig 1.

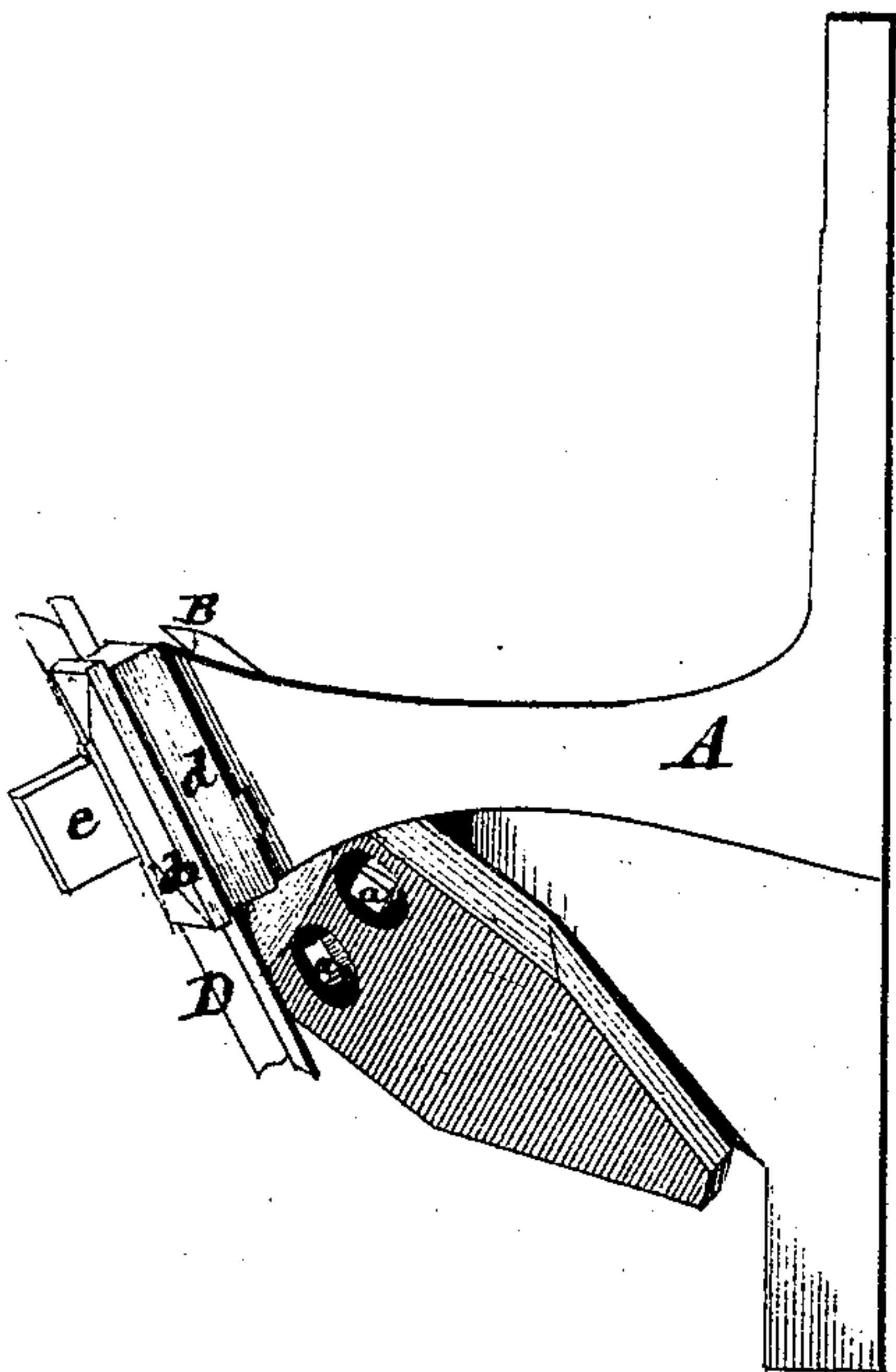


Fig 2.

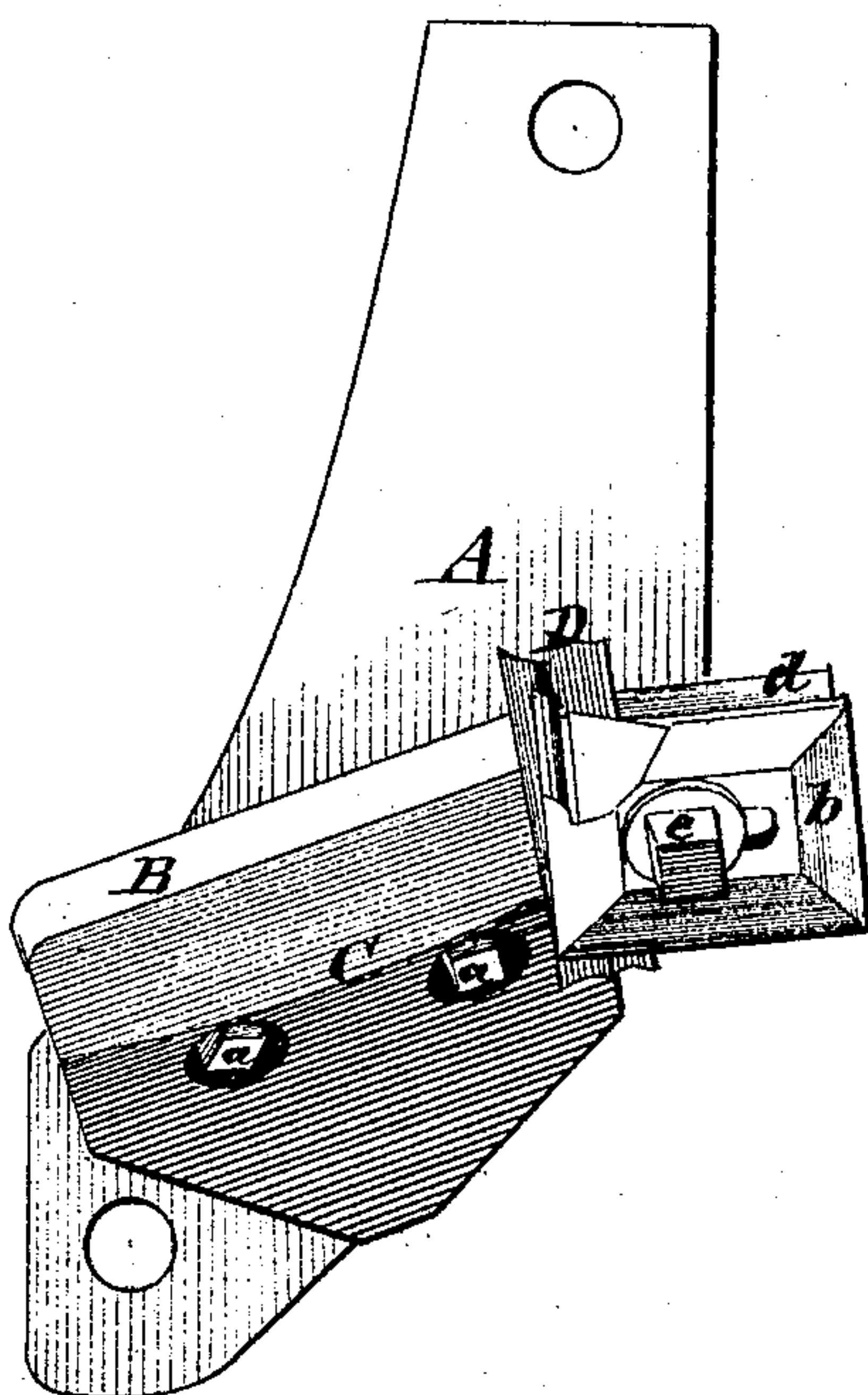


Fig 3.

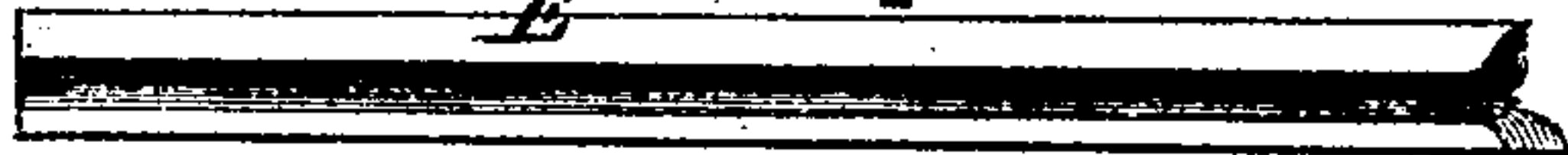


Fig 4.



Fig 5.

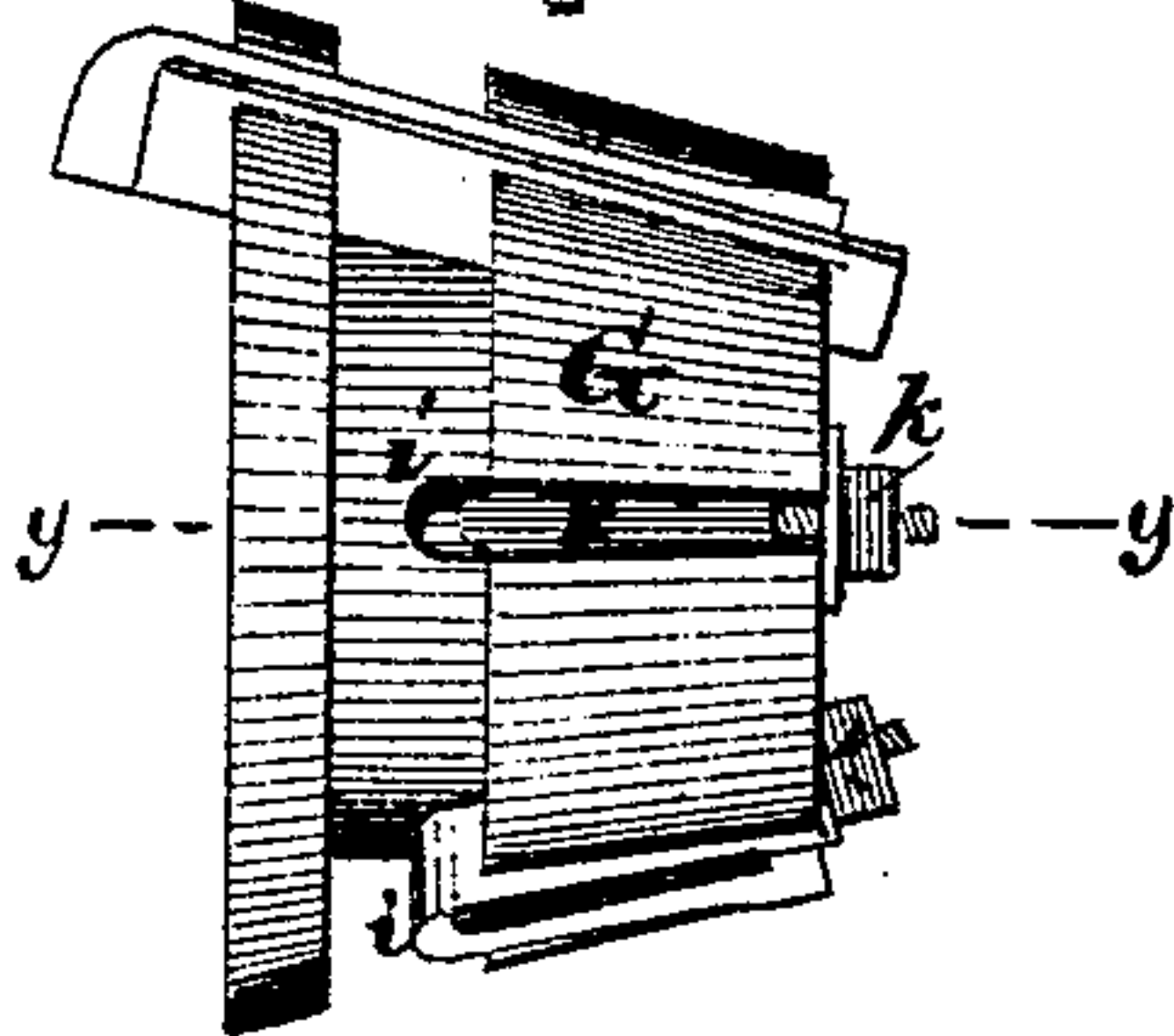


Fig 6.

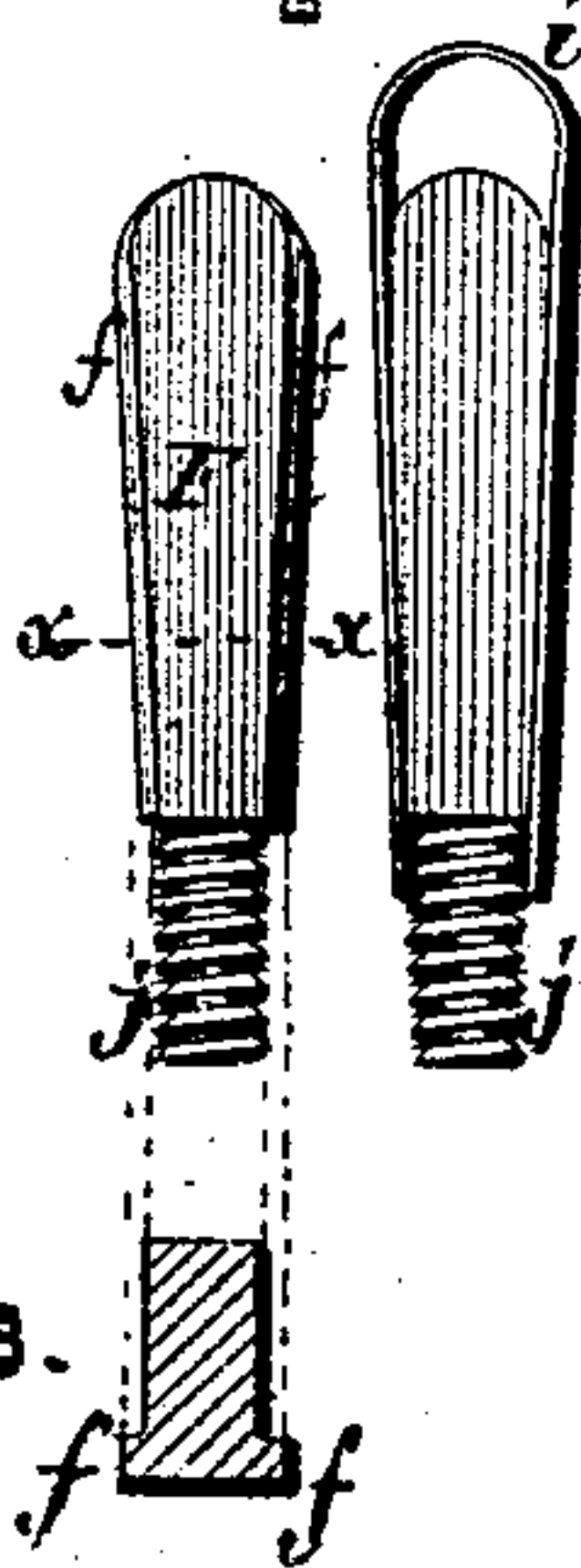


Fig 7.

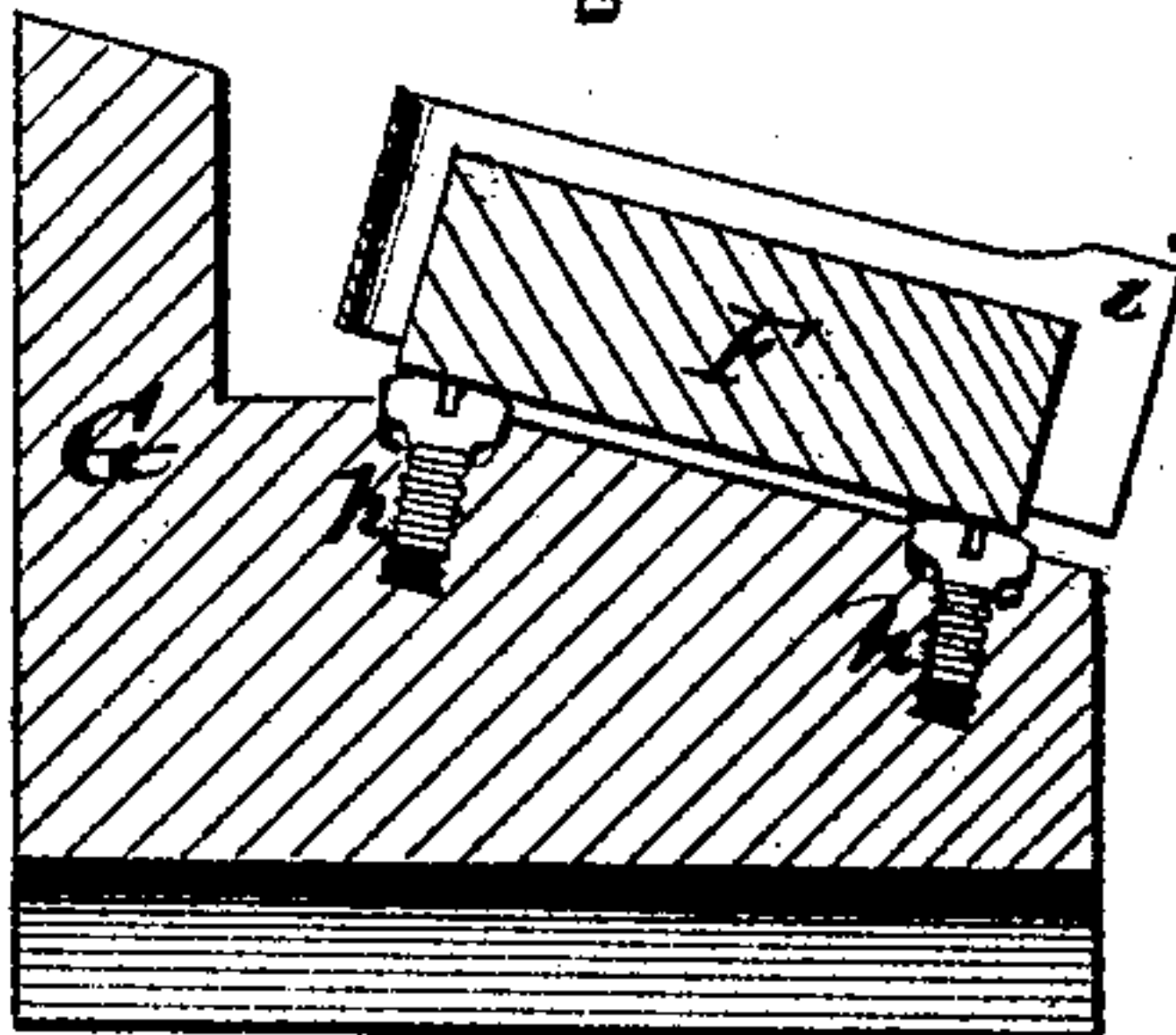


Fig 8.



Witnesses.

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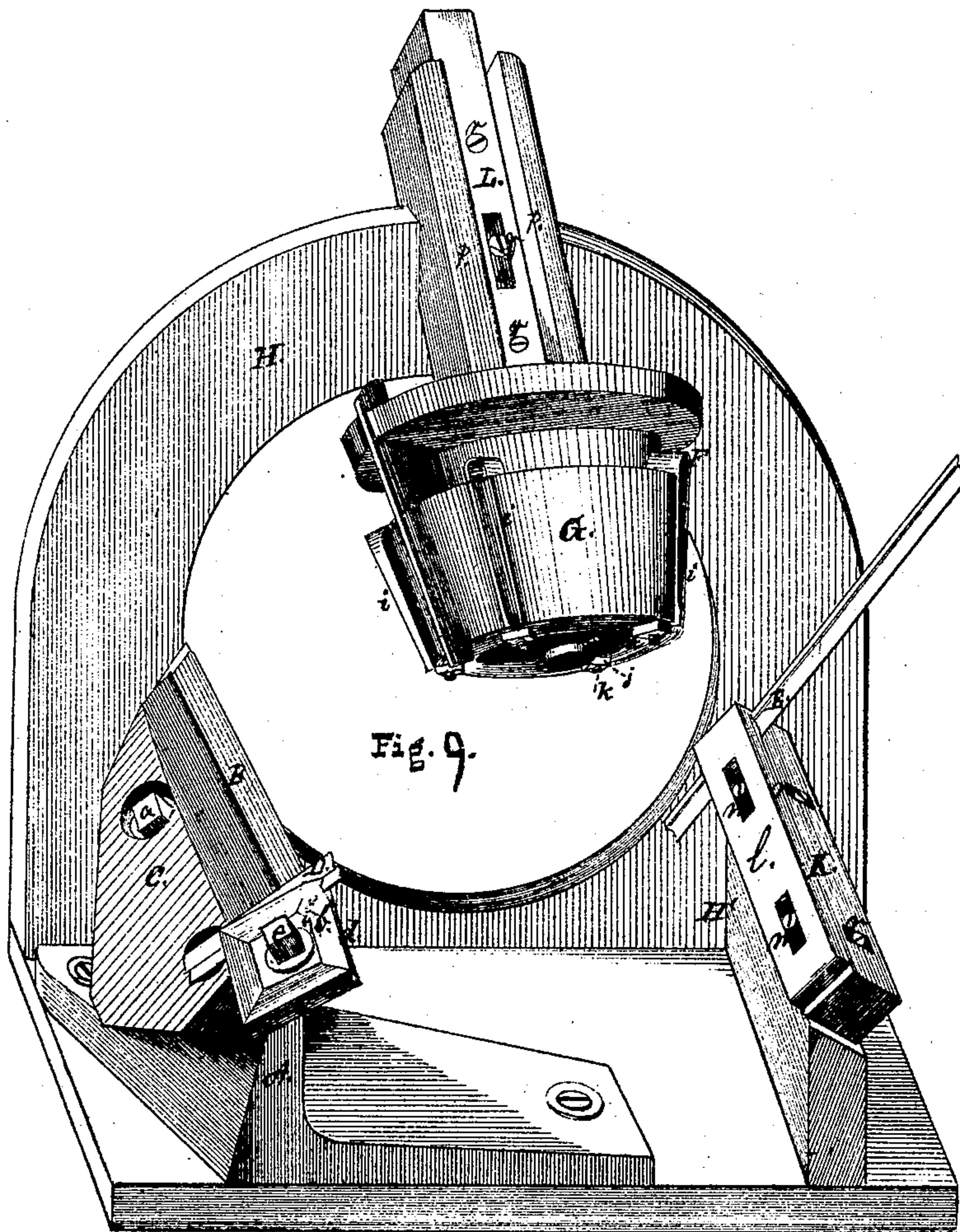
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Basket Machine.

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Witnesses.

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United States Patent Office.

BAXTER D. WHITNEY, OF WINCHENDON, MASSACHUSETTS.

Letters Patent No. 103,533, dated May 24, 1870.

IMPROVEMENT IN CUTTERS FOR CUTTING THE BODIES OF FRUIT-BASKETS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, BAXTER D. WHITNEY, of Winchendon, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Apparatus for Cutting Fruit-Baskets; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 represents a side view of the apparatus.

Figure 2 represents a top view of the same.

Figure 3 represents a top view of one of the cutting-tools.

Figure 4 represents an end view of the same.

Figure 5 represents a side view of conical cutter-head.

Figure 6 represents a top view of cutter and key.

Figure 7 represents a section of key and regulating-screws on line *yy* of fig. 5.

Figure 8 represents a section of key on line *xx* of fig. 6.

Figure 9, Plate II, shows the arrangement of all of the cutting-tools in their proper position, and the mechanism for adjusting the same.

The first part of my invention relates to the construction, arrangement and combination of stationary cutters or cutting-tools for cutting the bodies of fruit-baskets.

The second part of my invention relates to the method of holding and adjusting the tool which cuts the ventilating-holes in the body of the basket.

A is the stock, on which the cutter B is secured by means of a clamping jaw, C, held firmly to the stock by set-screws *a a*.

The face or upper side of the cutter is formed by planing it straight from the cutting-edge to the heel, the form or contour being such as to give the required shape to the wood cut from the round surface of a log to form the body or sides of the fruit-basket.

The cutter B being always ground and sharpened from the under side, the contour of the edge remains unchanged during the whole wear of the tool, so that the form of the inside of the basket will always be precisely the same, which is absolutely necessary for the successful manufacture of the article.

There are also provided auxiliary cutters D and E, which are made by planing the face side to the required contour in the same manner as the cutter B above described.

The cutter D being arranged in a suitable position

on the stock A, is provided with a movable support, *d*, clamp-jaw *b*, and clamp-screw *e*, so that it can be nicely adjusted to cut the wood to the exact form required to fit the groove in the bottom of the basket.

The tool E is secured to the stock K by the clamp-jaw *b*, which is provided with longitudinal slots *m m* for adjusting the tool.

The stock K has also transverse slots *n n* to admit of adjustment, it being secured to an elevated portion of the frame H by screws in the said slots.

The conical cutter-head G, fig. 5, is provided with a series of U-shaped cutters, *i i*, placed at proper intervals on its surface, for the purpose of cutting the ventilating-holes in the basket, the head being grooved deep enough to receive the cutters *i i* when new, they being made of sufficient width to admit of being worn up by sharpening.

The key F, which holds the cutter in place, is made with a ledge, *f f*, on each side, on which the cutter rests, and is provided with a screw, *j*, and nut *k* at the smaller end, for the purpose of holding it in place.

At the bottom of the groove, underneath the key F, are placed two screws, *h h*, for the purpose of raising the cutter, to compensate for the wear in sharpening.

The guide-frame H is for the purpose of steadying the log and supporting the cutter-stocks A and K, and also the arm L on which the head G revolves.

The arm L is fitted in a groove, with guides P P at the sides, and is provided with set-screws *r r* for adjusting the height, and a slot, *o*, which admits of adjusting it longitudinally, the same being secured by a set-screw, *q*, and held in position for operating.

Having thus described my invention,

What I claim, is—

1. The combination of the cutters B, D, and E, when constructed and arranged in the manner herein described, substantially as and for the purposes specified.

2. The key F, provided with the ledges *f f* supporting the U-shaped cutter *i*, secured by the screw *j* and nut *k*, and the set-screws *h h* for adjusting the cutter, to compensate for the wear, as and for the purposes set forth.

In testimony whereof I hereunto subscribe my name.

BAXTER D. WHITNEY.

Witnesses:

EDWIN A. STEVENS,
J. B. WOODRUFF.