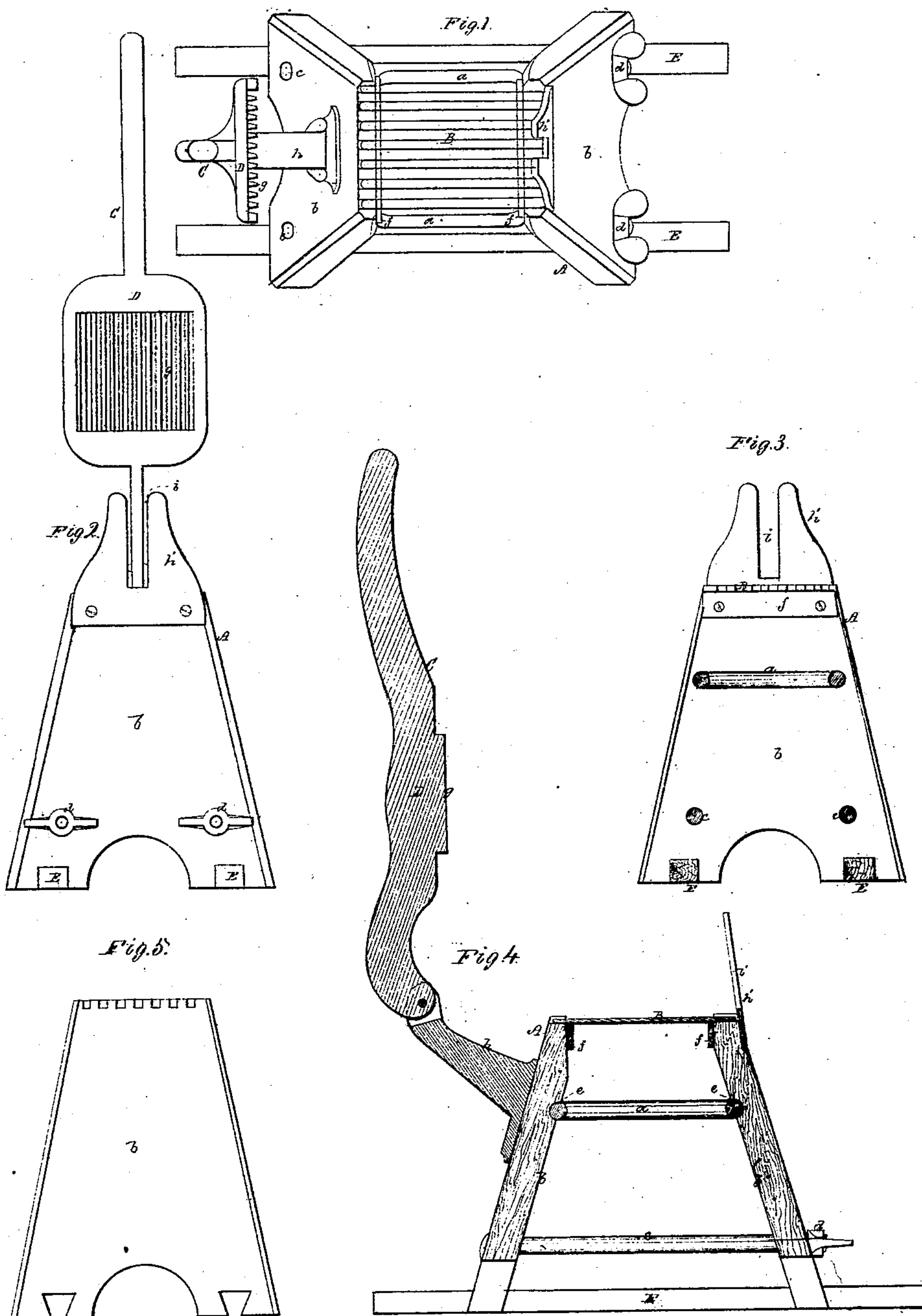


J. W. Hersey,

Vegetable Cutter.

No. 111,208.

Patented Jan. 24. 1871.



Witnesses.

L. N. Piper

L. N. Miller

David Wallace Hersey

by his attorney.

R. W. Eddy

United States Patent Office.

DAVID WALLACE HERSEY, OF PEMBROKE, MAINE.

Letters Patent No. 111,208, dated January 24, 1871.

IMPROVEMENT IN VEGETABLE-CUTTERS.

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

To all persons to whom these presents may come :

Be it known that I, DAVID WALLACE HERSEY, of Pembroke, of the county of Washington and State of Maine, have invented an Improved Machine for Slicing Fruits or Vegetables; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a top view;

Figure 2, a front elevation;

Figure 3, a transverse section; and

Figure 4, a longitudinal section of the machine with its handle or lever raised into an upright position, as respects the series of knives.

In the drawing—

A denotes the knife-frame, composed of a rectangular open or pivotal frame, *a*, two boards, *b b*, and two or any other suitable number of screw-bolts, *c c*, provided with thumb-nuts *d d*.

The boards *b b* are arranged, as shown, with the frame *a* between them, they, to receive it, being grooved, as exhibited at *e e*.

The screw-bolts go through the two boards below the pivotal frame *a*, the heads of the bolts being against one board, and the screws being projected beyond the other, so as to receive the nuts *d d*.

Each of the boards has a series of parallel slits made in its upper edge, and it also has a metallic bar or plate, *f*, fastened to it on its inner side and at the bases of the several slits.

A thin metallic wire or band, *B*, fastened at its opposite ends to the boards, is extended from one board to the other and in the slits of the two, it being laid therein in a serpentine form, that is, in manner as represented, so as to constitute a series of parallel knives or cutters or a grater, as represented, it resting on the two support-bars *f f*.

From the above it will be seen that, by setting up the nuts *d d* on their screws, we may draw toward each other the lower parts of the boards *b b*, so as to

force the upper portions of the said boards asunder, and strain the band-knife or series of knives.

An arm, *h*, projects from one of the boards *b b*, and has pivoted to it one end of a lever, *C*, carrying a ribbed platen, *D*, the said platen being provided with a series of parallel ribs, *g g*, to extend between the knives when the platen is drawn or resting on them.

From the upper part of the other board a furcated standard or plate, *h'*, projects, its purpose being to receive in its slot *i* the lever *C*, so as to so guide it during its descent as to insure the ribs of the platen pressing between the knives.

Furthermore, the lower part of each of the boards *b b* is socketed or recessed to receive two bars, *E E*, the sockets of one board being of a dovetail form, as shown in Figure 5, which is a side view of the board. The bars are dovetailed to enter the dovetail sockets, though in other respects they are formed in correspondence with the other sockets, which are rectangular in section. These bars are for supporting the machine over and on a bowl or tub, when it may be desirable to employ it in connection with such.

To use the machine, a fruit or vegetable to be sliced is to be laid on the grate or series of knives, and the lever is to be depressed so as to force the platen down upon the article and crowd it against the grating or knives, which will split or sever it in pieces or reduce it to slices.

I claim—

1. The combination of the single band-wire *B* and the metallic rests *f f* with the boards *b b*, slitted on their upper edges to receive the wire, and the straining devices *a c d*, substantially as set forth.

2. The arrangement of the bars *E E* with the frame *A* carrying the band-knife *B* and platen *D*, substantially in the manner as specified.

DAVID WALLACE HERSEY.

Witnesses:

R. H. EDDY,

J. R. SNOW.