

A. S. McNEIR & W. D. STOCKTON.

Vegetable Graters.

No. 139,173.

Patented May 20, 1873.

Fig. 1.

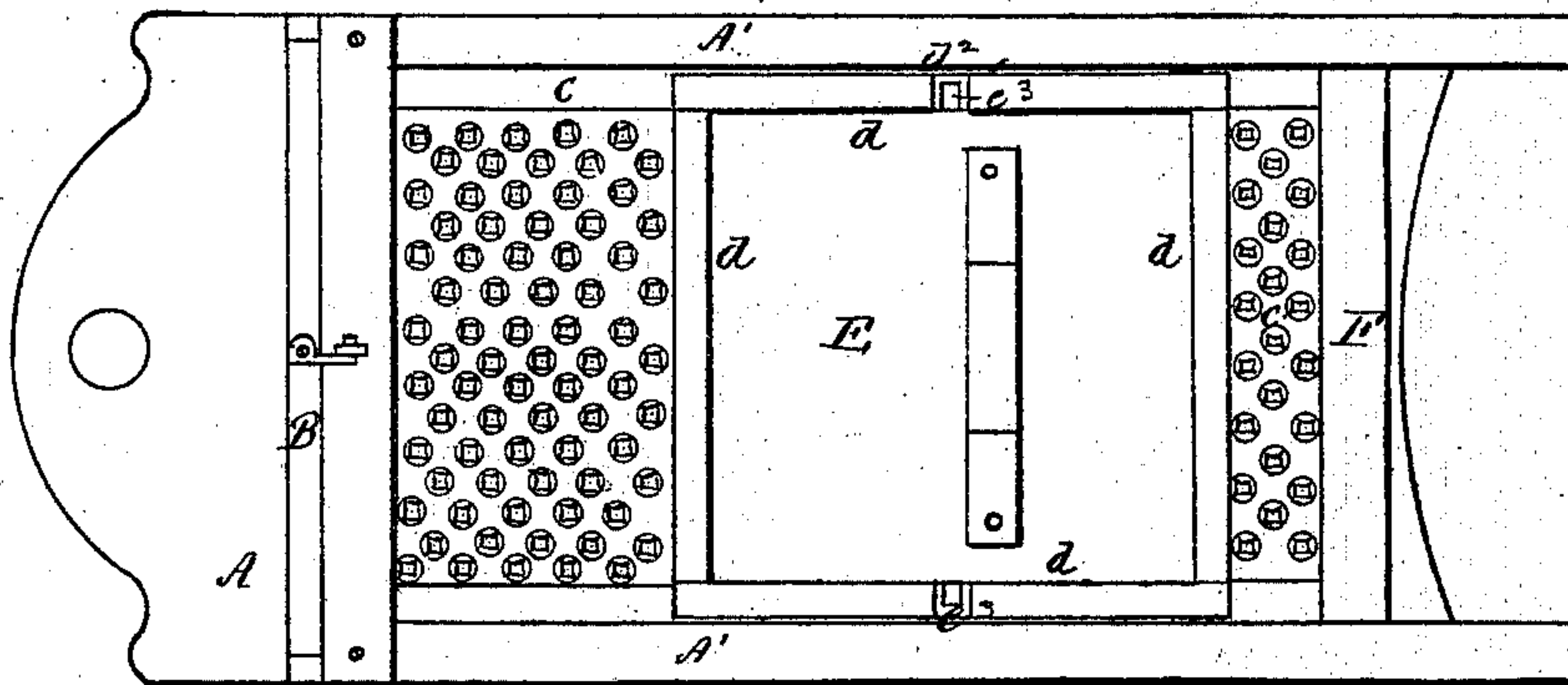


Fig. 2.

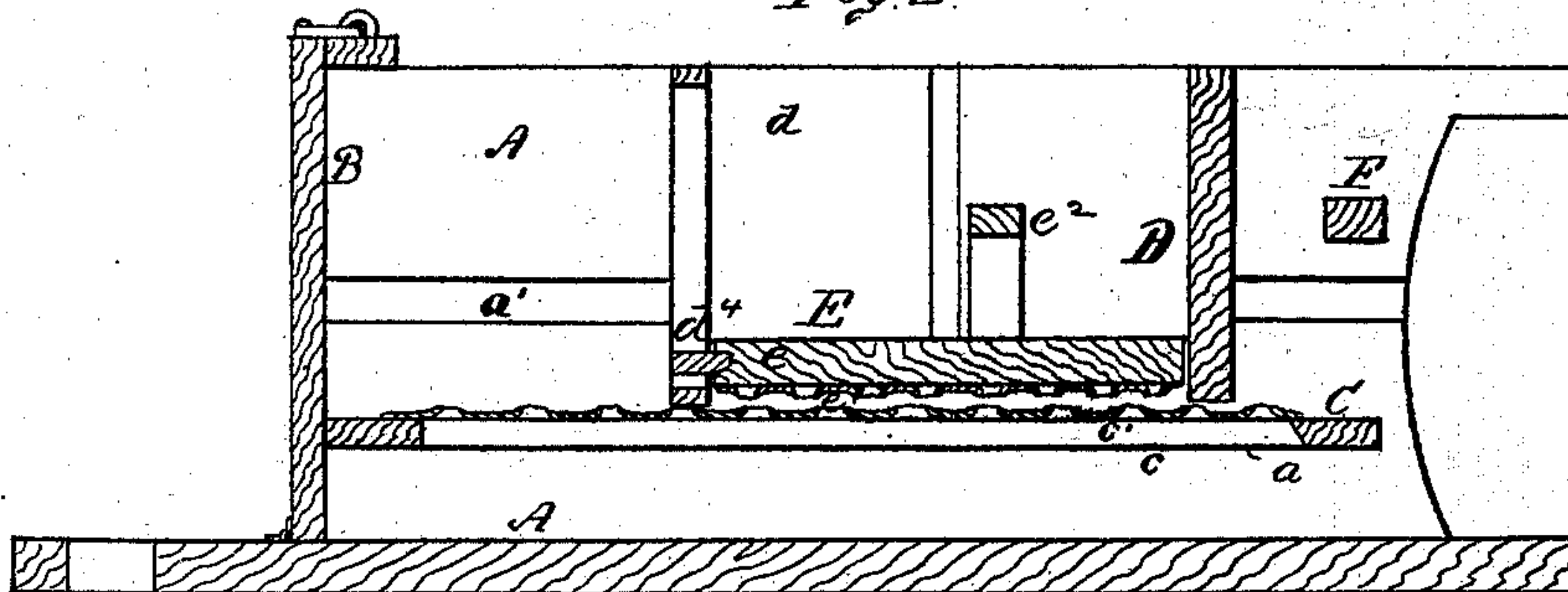
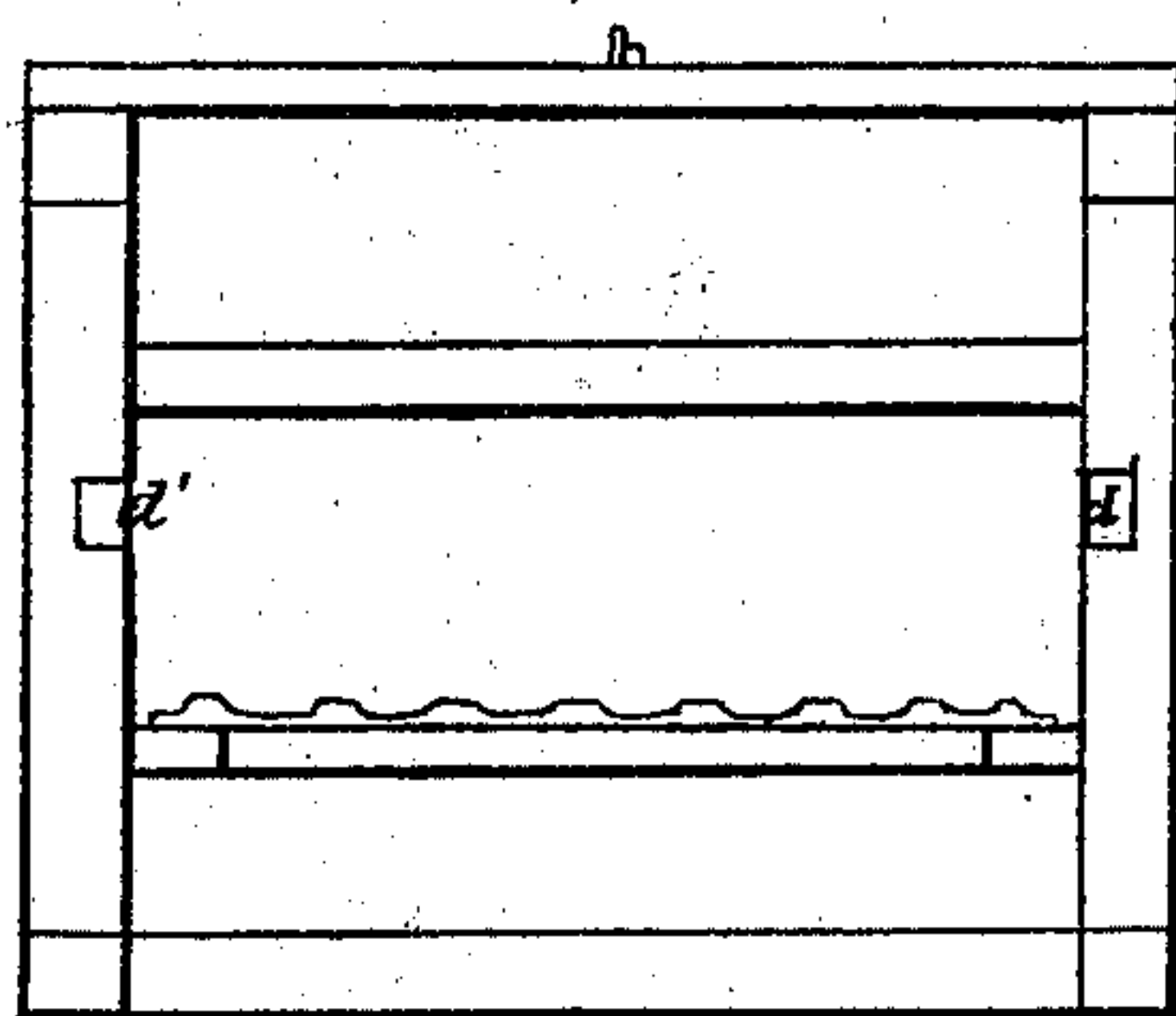


Fig. 3.



Witnesses  
J. B. Connolly  
A. Connolly

Inventors  
Andrew S. McNeir.  
William D. Stockton  
by Connolly Bros  
Attys



# UNITED STATES PATENT OFFICE.

ANDREW S. McNEIR AND WILLIAM D. STOCKTON, OF PHILADELPHIA, PA.

## IMPROVEMENT IN VEGETABLE-GRATERS.

Specification forming part of Letters Patent No. **139,173**, dated May 20, 1873; application filed April 11, 1873.

*To all whom it may concern:*

Be it known that we, ANDREW S. McNEIR and WILLIAM D. STOCKTON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Graters; and we 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 pertains to make and use it, reference being had to the accompanying drawing which forms part of this specification.

In the accompanying drawing, Figure 1 is a plan or front view of our invention. Fig. 2 is a vertical longitudinal section of the same, and Fig. 3 is an end view.

Our invention consists in the construction and combination of the several parts.

Referring to the accompanying drawing, illustrating our invention, A represents the back or bottom, to which are affixed, as shown, the sides A' A'. B shows a door or lid hinged to the bottom A, closing the top or end of the grater. The sides A' A' are grooved, as at *a* and *a'*, shown to form guides or ways for the grater C and box D. The grater C is formed of a rectangular wooden frame, *c*, to the upper side of which is secured a suitably-perforated plate, *c'*. This frame, with its plate, is located some distance above the bottom or back A, so as to give an easy passage to the article grated, which, in its reduced condition, passes through the plate and falls into a vessel provided for that purpose. The box D is formed of four sides, *d*, without top or bottom, and is shorter than the grater C, so that it may be drawn to and fro over said grater, projections or flanges *d'* being provided for that purpose, fitting in the grooves *a'*. E repre-

sents a follower, consisting of a block, *e*, having a perforated plate, *e'*, on its under side, and a handle, *e''*, on top. The follower is provided with pins *e'''* which move in slots *d''* in the sides of a box, and a pin, *d'''*, which moves in a recess in that side of the box which is parallel with the lid B. F shows a cross-bar, which serves at once as a brace to the sides A' A' and a stop for the box D, preventing it from sliding out at the lower end of the frame.

The operation is as follows: Place the article to be grated in the box D; put the follower in position upon it and press it firmly; move the box to and fro until the article is reduced.

When it is desired to wash the grater, the lid or door B may be opened and the frame C and box D slid out.

What we claim is—

The combination of the box A, having grooved sides A' to receive the box D and grater C, and a hinged door, B, closing one end, as shown, with the reciprocating box D, having open top and bottom, side flanges *d'*, and slots *d''*, the self-adjusting follower E, having pins *e'''*, *d*, handle *e''*, and grating-plate *e'*, and the removable grater C placed within the grooves *a*, all constructed, arranged, and operating substantially as shown and specified.

In testimony that we claim the foregoing we have hereunto set our hands this 3d day of April, 1873.

ANDREW S. McNEIR.

WILLIAM D. STOCKTON.

Witnesses:

GEO. C. SHELMERDINE,

ALEX. HILLARY.