

E. C. Sears,

Flour Sieve.

N^o 54,609.

Patented May 8, 1866.

Fig: 2.

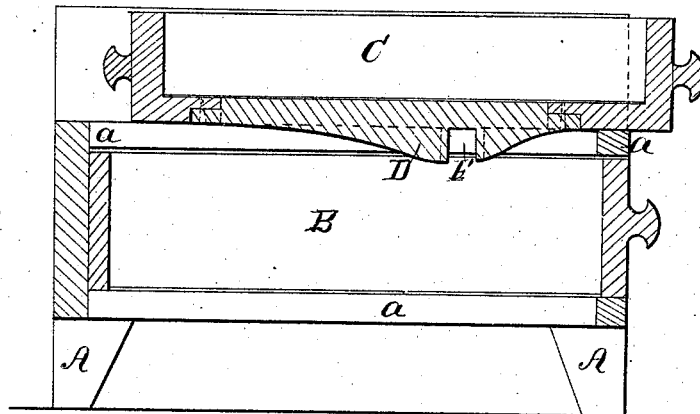
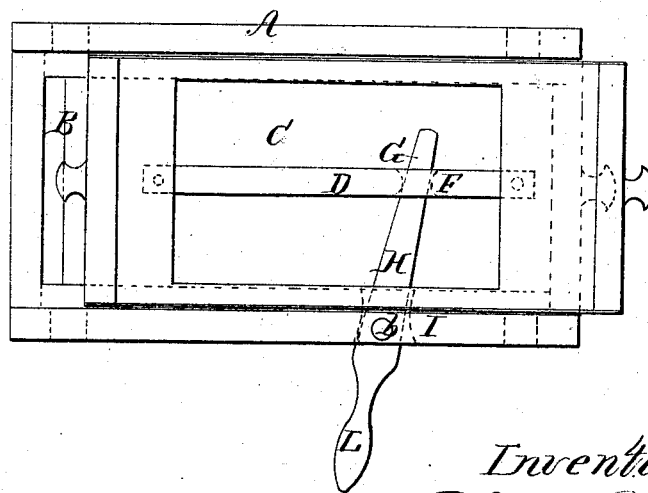


Fig: 1.



Inventor;

Witnesses;

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UNITED STATES PATENT OFFICE.

ELIJAH C. SEARS, OF CRYSTAL LAKE, ILLINOIS.

IMPROVED FLOUR AND MEAL SIFTER.

Specification forming part of Letters Patent No. 54,609, dated May 8, 1866.

To all whom it may concern:

Be it known that I, ELIJAH C. SEARS, of Crystal Lake, in the county of McHenry and State of Illinois, have invented a new and Improved Flour and Meal Sifter; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

The present invention consists in arranging within a suitable frame two sliding drawers or boxes, one above the other, the upper one of which has its bottom made of wire-gauze, netting, or other suitable material ordinarily used for flour or meal sieves, and is so connected with a horizontal lever hung and turning upon a fulcrum of the said frame that by swinging the said lever to the right and left the said sieve will be made to travel forward and backward over the lower drawer or box, thereby causing the meal or flour previously placed in such sieve to be thoroughly sifted into the drawer below, from which, first sliding the same out of the frame, it can be readily emptied or removed.

In accompanying plate of drawings my improved flour and meal sifter is illustrated, Figure 1 being a plan or top view, and Fig. 2 a central vertical section taken in the direction of its length.

Similar letters of reference indicate like parts.

A in the drawings represents the framing of the sieve, made of a square shape, with two drawers, B and C, placed directly above each

other and sliding upon suitable-arranged cleats *a a* therefor. One of these drawers C, the upper one, has its bottom formed of wire-gauze, netting, or other suitable perforated material ordinarily used for flour or meal sifters, in which drawers the flour or meal to be sifted is placed.

To the under side of the sieve-drawer and along its center, in the direction in which it slides in the frame, is secured a narrow strip of wood or other suitable material, D, having a notch, E, at or near one end, with which engages the inner end, G, of a lever, H, hung in an opening, I, of the outside frame of the sifter, upon a fulcrum-pin, *b*, so as to swing or turn thereon in a horizontal plane.

L the handle of the lever H, projecting from the outside of the frame of the sifter, by moving which handle to the right and left the sieve-drawer of the sifter is made to travel forward and backward within the frame, thereby agitating the flour or meal placed therein, and causing it to be thoroughly sifted into the drawer B below, from which, when so desired, it can be emptied by simply removing the said drawer from the sifter.

I claim as new and desire to secure by Letters Patent—

The arrangement of the drawer C and the notched piece D, lever H, drawer B, and frame A, constructed and operating in the manner and for the purpose herein specified.

ELIJAH C. SEARS.

Witnesses:

WM. M. SHIELDS,
JAS. H. SEARS.