

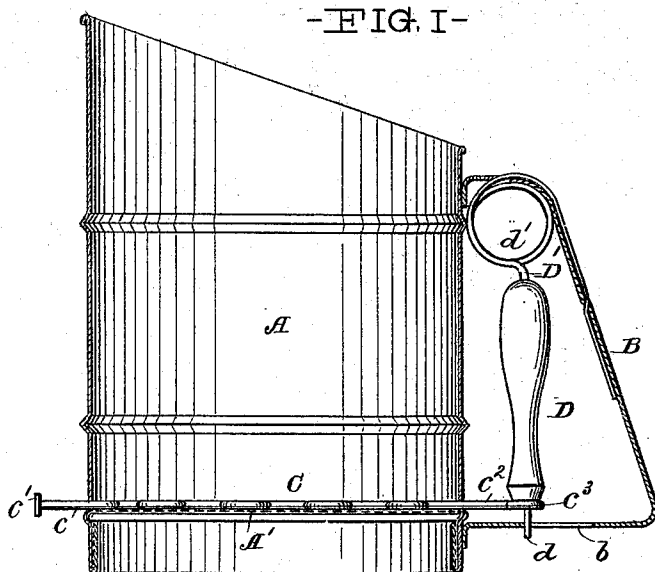
(No Model.)

C. P. EICHLER.
FLOUR SIFTER.

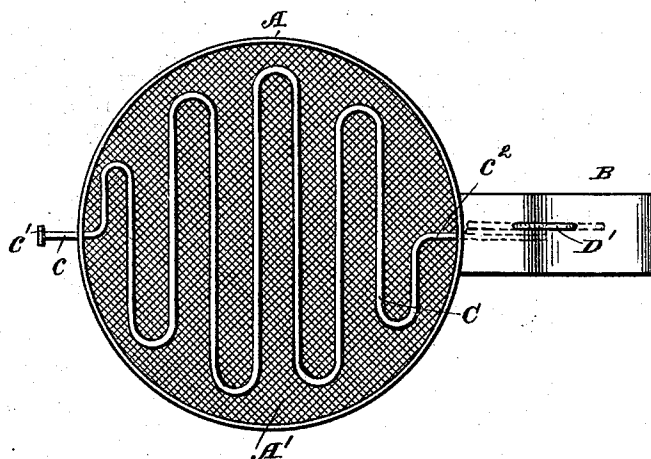
No. 513,489.

Patented Jan. 30, 1894.

-FIG. I-



-FIG. II-



WITNESSES:

J. C. Turner,
J. P. Lecher

INVENTOR.

C. P. Eichler
By Hall & Fay ATTORNEYS.

UNITED STATES PATENT OFFICE.

CARL P. EICHLER, OF CLEVELAND, OHIO.

FLOUR-SIFTER.

SPECIFICATION forming part of Letters Patent No. 513,489, dated January 30, 1894.

Application filed April 26, 1893. Serial No. 471,908. (No model.)

To all whom it may concern:

Be it known that I, CARL P. EICHLER, a citizen of the United States, and a resident of Cleveland, county of Cayahoga, and State of Ohio, have invented certain new and useful Improvements in Flour-Sifters, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

The annexed drawings and the following description are set forth in detail, one mechanical form embodying the invention; such detail construction being but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawings—Figure I represents an axial section of my improved flour sifter, and Fig. II, a top plan view.

The body A, of the sifter is of the usual cylindrical form with the usual sloping upper edge, to give it scoop form, and with the usual screen bottom A', secured in any suitable or desired manner. The handle bail B, is preferably formed from a strip of metal, and diverges from the body at its lower end.

A stirrer, C, rests upon the bottom of the sifter, and is preferably formed from a piece of wire bent into a serpentine shape, although it may be made of any shape and from any suitable material,—it being only desirable to have it of such a shape, that it will come in contact with substantially the entire screen surface when diametrically reciprocated across the latter. The form of stirrer illustrated in the drawings, has the ends of the wire projecting through and sliding in the sides of the body, at diametrically opposite points; one guide rod, c, having a head, c', which limits the back stroke of the stirrer, and the other guide rod, c², having an eye, c³, at its end,—said rod and eye projecting into the space of the handle, near its lower and wider end. A movable handle, D, is movably supported in the upper and narrow end of the rigid handle bail, and has its lower end movably connected to the guide rod of the stirrer, so that the latter may be reciprocated by os-

cillating the movable handle. A wire, D', is illustrated in the drawings as passed through the handle, with its lower end, d, projecting through the eye of the stirrer and guided in a slot, b, in the lower end of the handle bail. Above the movable handle, the wire is formed into a spring coil, d', and is thereupon passed out through the handle bail, down over the outside of the same, and again in through the handle bail; so that the movable handle is thus yieldingly supported to oscillate, and in a very simple manner, without any extraneous fastening.

When the handle bail is grasped by the hand, the fingers will embrace the movable handle, and, by alternately compressing and releasing the hand, the stirrer may be reciprocated. This flour sifter is, consequently, a "one-hand flour sifter" which is a very desirable article, as it leaves the other hand at liberty for other work.

Other modes of applying the principle of my invention may be employed for the mode herein explained. Change may therefore be made as regards the mechanism thus disclosed, provided the principles of construction set forth respectively in the following claims are employed.

I therefore particularly point out and distinctly claim as my invention—

1. The combination with a flour sifter body having a rigid handle bail, of a reciprocating stirrer upon the screen bottom of said body, and a handle movably supported within said handle bail so as to be clasped together with the handle portion of the same, and connected to the reciprocating stirrer, substantially as set forth.

2. The combination with a flour sifter body having a rigid handle bail, of a reciprocating stirrer upon the screen bottom of said body, and a handle yieldingly supported at its upper end in the upper end of the handle bail to be clasped together with the handle portion of the same, and movably connected at its lower end to the stirrer, substantially as set forth.

3. In a flour sifter, the combination of a sifter body provided with a handle bail formed

from a strip of sheet metal, a reciprocating
stirrer upon the screen bottom of said body
and having an eyed end projecting into the
lower portion of the space in the handle bail,
5 a wire having one end inserted into the eye of
the stirrer and guided in a slot in the lower
end of the handle bail and having a coil
formed at the upper end of the handle bail
and the end of said coil inserted out and in
10 through the handle bail, and a handle secured

upon said wire between the coil and the eye
of the stirrer, substantially as set forth.

In testimony that I claim the foregoing to
be my invention I have hereunto set my hand
this 24th day of April, A. D. 1893.

CARL P. EICHLER.

Witnesses:

WM. SECHER,
J. B. FAY.

It is hereby certified that in Letters Patent No. 513,489, granted January 30, 1894, upon the application of Carl P. Eichler, of Cleveland, Ohio, for an improvement in "Flour-Sifters," an error appears in the printed specification requiring the following correction, viz: On page 1, line 22, the word "from" should read *form*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 6th day of February, A. D. 1894.

[SEAL.]

JNO. M. REYNOLDS,
Assistant Secretary of the Interior.

Countersigned:

JOHN S. SEYMOUR,
Commissioner of Patents.