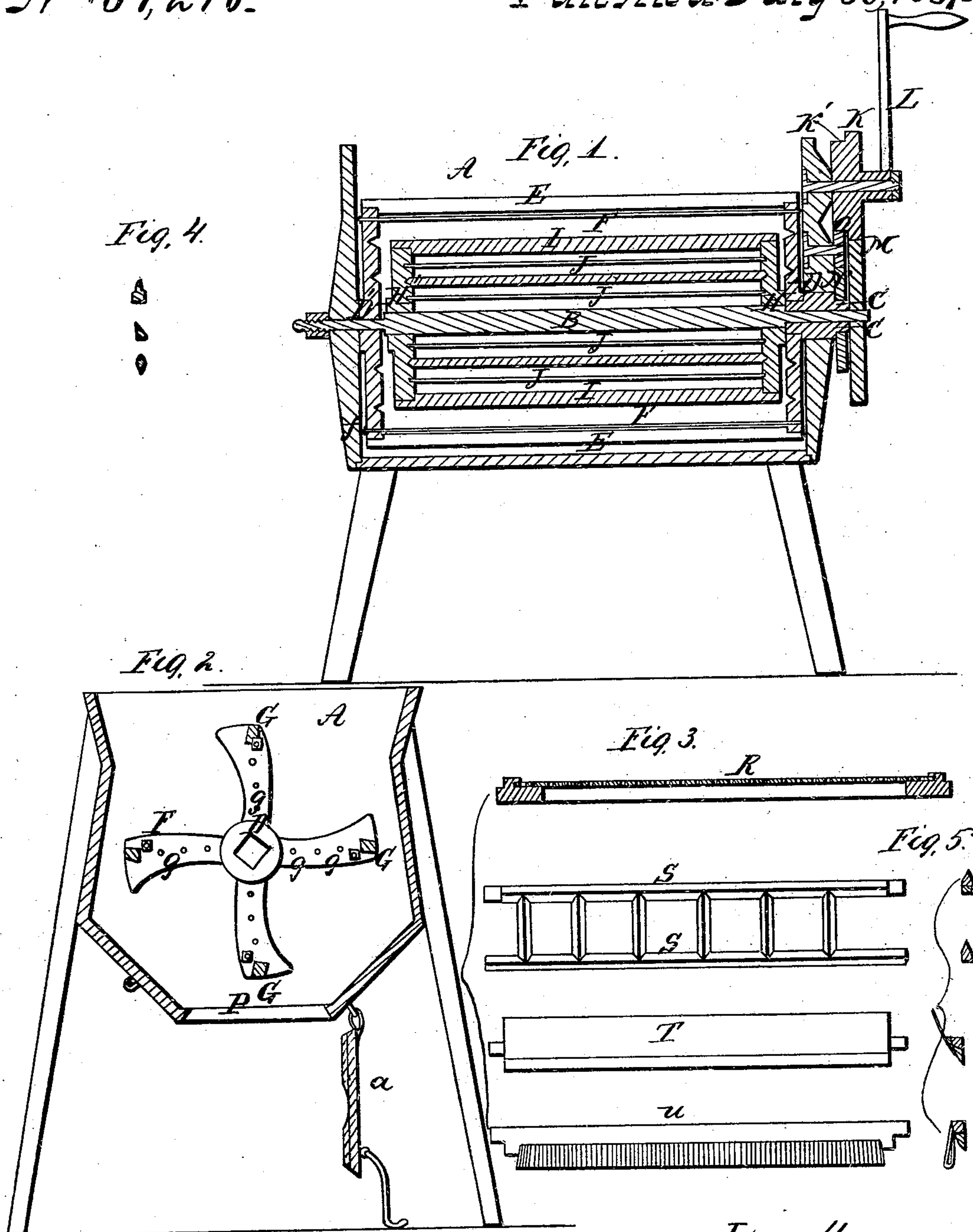


Rosenberry & Worth,

Egg-Beater.

N^o 67,218.

Patented July 30, 1867.



Witnesses;
Jas. B. Turching

Inventor;
Christian Rosenberry
Theodore Worth

United States Patent Office.

CHRISTIAN ROSENBERRY AND THEODORE WORTH, OF CHICAGO, ILLINOIS.

Letters Patent No. 67,218, dated July 30, 1867.

IMPROVED SIFTER, EGG-BEATER, AND SPICE-MIXER.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, CHRISTIAN ROSENBERRY and THEODORE WORTH, both of Chicago, in the county of Cook, State of Illinois, have invented new and useful improvements in Combined Churn, Egg and Dough-Beater, Flour-Sifter, and Spice or Drug-Mixer; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents longitudinal section of the box through its centre.

Figure 2, the cross-section of the box and the side view of the spider's arms.

Figure 3, different beaters and the sieve; and

Figures 4 and 5, sections of different beaters.

The nature of our invention consists in so arranging the beaters for churning, egg-beating, &c., that they may be doubled, or substituted by other beaters of a different shape, according to different purposes, as will be hereinafter explained.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

Through a hexagonal box, A, passes a square shaft, B, whose ends are rounded. On one of its ends a hub, C, is set loosely so as to be capable of turning independently from the shaft B, on which hub C is set a four-armed spider, D, which, being connected with another spider, D', by beaters E E and wires F F, causes this latter to revolve by being revolved itself. The wires F F, having a head at one end, and a screw-thread and a nut, f, at the other end, may be lengthened, and thus the beaters E E, which are dove-tailed into the arms of the spiders D D', may be taken out and another set of beaters put in their place, or new beaters added to the old ones by inserting their ends into the notches G G made in the spider arms for the purpose. There are also holes, g g, in the arms into which more wires may be inserted, if necessary. When double action of the beaters is required, another set of spiders H H', arranged similarly as the spiders D D', with beaters I I and wires J J', are set inside on the shaft B, with which they revolve. A double cog-wheel, K K', made of one piece, to which a handle, L, is attached, working two cog-wheels, M N, the periphery K working the wheel M, while the periphery K' is working the wheel N by means of an intermediate pinion, O. The consequence is that when the frame of the spiders D D' revolves in one direction, the frame of the spiders H H' revolves in another and opposite direction. There is an opening, P, in the bottom of the box, which is generally closed with a shutter, Q; but when the machine is used as a flour-sifter, then a frame, R, with a wire gauge stretched on it, is inserted into said opening.

The frame of spiders D D', with one, two, or three sets of beaters, is used for churning butter; but when it is required to work the butter over, or to mix spices or drugs, the beaters E E are taken out, and the ladder beaters S S are substituted instead. When flour is to be sifted, again, in place of beaters E E, rubber beaters T and brush beaters U are substituted, the one and the other kind placed on the opposite arms, the rubber beaters to work the flour, and the brush beaters to force it through the sieve R; but when in churning or egg-beating stronger action is required, then the frame of spiders D D' is added to the frame of spiders H H'. The precise shape of different beaters used for different purposes is shown in figs. 4 and 5, representing the sections of the same.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The revolving heads D and D', so connected by rods that they can be separated for the insertion of various styles of beaters, to adapt the implement to different uses, when said heads are mounted on a revolving shaft and placed in a case, A, substantially as described.

2. The combination of the beaters I, mounted on the shaft B, having the wheel M attached, and the beaters E, driven by the tube C and wheel N, when arranged to be operated by the double wheel K K', as shown and described.

CHRISTIAN ROSENBERRY,
THEODORE WORTH.

Witnesses:

JAS. R. HAYDEN,

J. B. TURCHING.