

(No Model.)

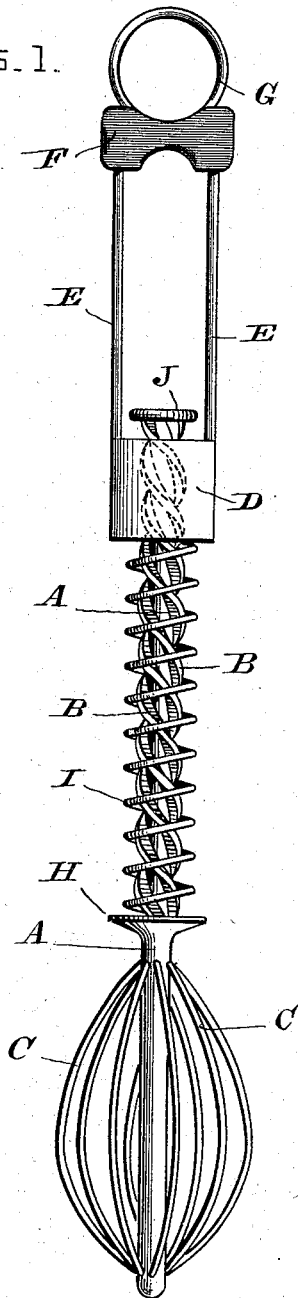
G. M. KITTERMAN.

EGG BEATER.

No. 261,857.

Patented Aug. 1, 1882.

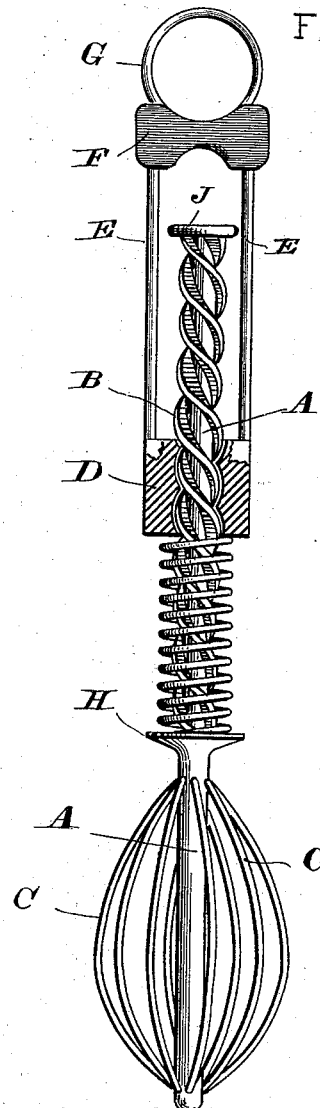
FIG. 1.



WITNESSES.

Wilner Bradford
Charles E. Cheney

FIG. 2.



INVENTOR.

George M. Kitterman
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UNITED STATES PATENT OFFICE.

GEORGE M. KITTERMAN, OF SAN RAFAEL, CALIFORNIA.

EGG-BEATER.

SPECIFICATION forming part of Letters Patent No. 261,857, dated August 1, 1882.

Application filed February 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE MASON KIT-
TERMAN, a citizen of the United States, and
residing at San Rafael, in the county of Marin
and State of California, have invented a new
and useful Egg-Beater, of which the following
is a specification.

My invention relates to improvements in
egg-beaters in which rotation is imparted to
a whip of wires or a set of wire loops by means
of a nut which is caused to travel up and
down upon a rod carrying said wire loops, and
provided with spiral feathers or a screw-
thread; and the objects of my invention are
to provide an egg-beater simple in construc-
tion, all cranks, gear-wheels, or telescoping
cylinders being dispensed with, easy of oper-
ation, being worked with one hand, and adapt-
ed as well for the mixing of refreshing bever-
ages as for egg-beating. I attain these objects
by means of the device illustrated in the ac-
companying drawings, in which—

Figure 1 is a front elevation, representing
the normal position of the parts. Fig. 2 is a
sectional front elevation, showing the position
of the parts when the nut has been forced
down toward the whip.

Similar letters of reference are used to de-
signate like parts throughout the several views.

My device consists of a beater-stem or screw-
rod, A, provided on the upper portion of its
length with spiral feathers or a screw-thread,
B, and on its lower end with the bulging
wire whips or loops C. Upon the threaded
portion of the beater-stem I place the thread-
ed nut D, having two upwardly-projecting
rods or standards, E E, united at their tops
by the cross-head or block F, having attached
thereto the lifting-ring G. At the base of the
screw-thread B, and above the whip C, is formed
a circular flange or collar, H, which supports
the lower end of the coiled spring I, surround-
ing the beater-stem, and which presses against
the lower face of the nut D. The lower end
of the spring is secured to either the flange H
or the beater-stem. In order to prevent the
nut from being forced off of the beater-stem

by the expansive power of the spring, a but-
ton or cap, J, is placed upon the top of the
screw-rod. The upper and lower edges of the
cross-head F are hollowed or rounded out, so
as to accommodate the fingers of the operator,
who inserts one finger through the ring G when
operating the implement.

The operation of my improved egg-beater
will be as follows, to wit: The implement is to
be placed in the glass or cup containing the
material which is to be beaten, the lower
rounded end of the beater-stem resting upon
the bottom of the glass and kept in continual
contact therewith. In practice one finger is
inserted in the ring G, and by pressing down-
ward the nut D will descend upon the beater-
stem A, causing it to revolve upon its longi-
tudinal axis and compress the coiled spring I.
When the spring has been compressed to such
an extent that further downward travel of the
nut is prevented the pressure upon the cross-
head is released and the expansive power of
the spring will force the nut back to its origi-
nal position, thereby causing a reverse rota-
tion of the beater-stem, and thus the operation
is repeated.

Having thus described my invention, what I
claim, and desire to secure by Letters Patent,
is—

In a beater or mixer for liquids or semi-liq-
uid substances or compounds, the screw-thread-
ed beater-stem A, having upon its lower end
the whip or wire loops, and provided with
means for alternately rotating said beater-stem
in opposite directions, consisting of the thread-
ed nut D, supporting the standards E E, car-
rying the cross-head F and ring G, and the
coiled spring I, constructed, arranged, and op-
erating substantially in the manner as herein
set forth and specified.

In testimony that I claim the foregoing I
have hereunto set my hand and seal this 18th
day of January, 1882.

GEORGE MASON KITTERMAN. [L. s.]

Witnesses:

WILMER BRADFORD,
CHAS. E. KELLY.