

(No Model.)

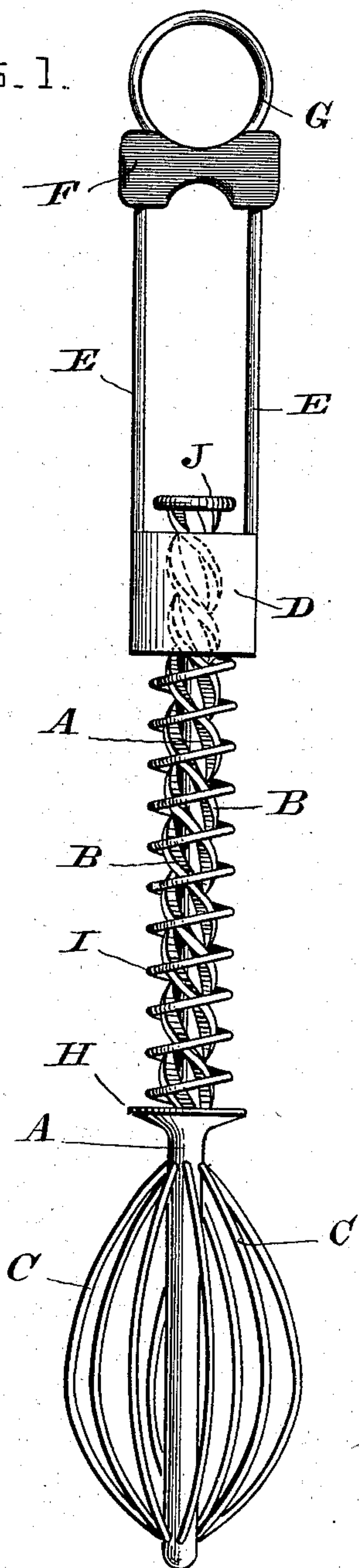
G. M. KITTERMAN.

EGG BEATER.

No. 261,857.

Patented Aug. 1, 1882.

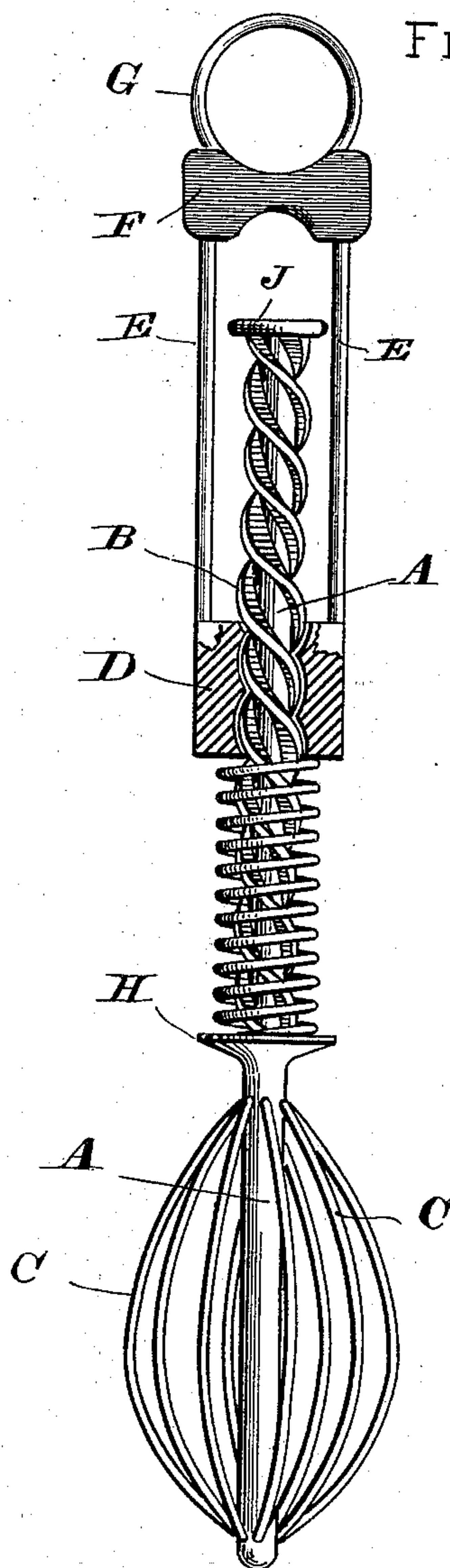
FIG. 1.



WITNESSES.

*Wilmer Bradford*  
*Charles E. Cheney*

FIG. 2.



INVENTOR.

*George M. Kitterman*  
*By C. W. Smith*  
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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  
5 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  
10 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  
15 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-  
20 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  
25 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 des-  
ignate like parts throughout the several views.

30 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  
35 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  
40 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  
45 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 50  
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 55  
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 60  
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. 65  
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- 70  
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, 75  
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 80  
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- 85  
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.