

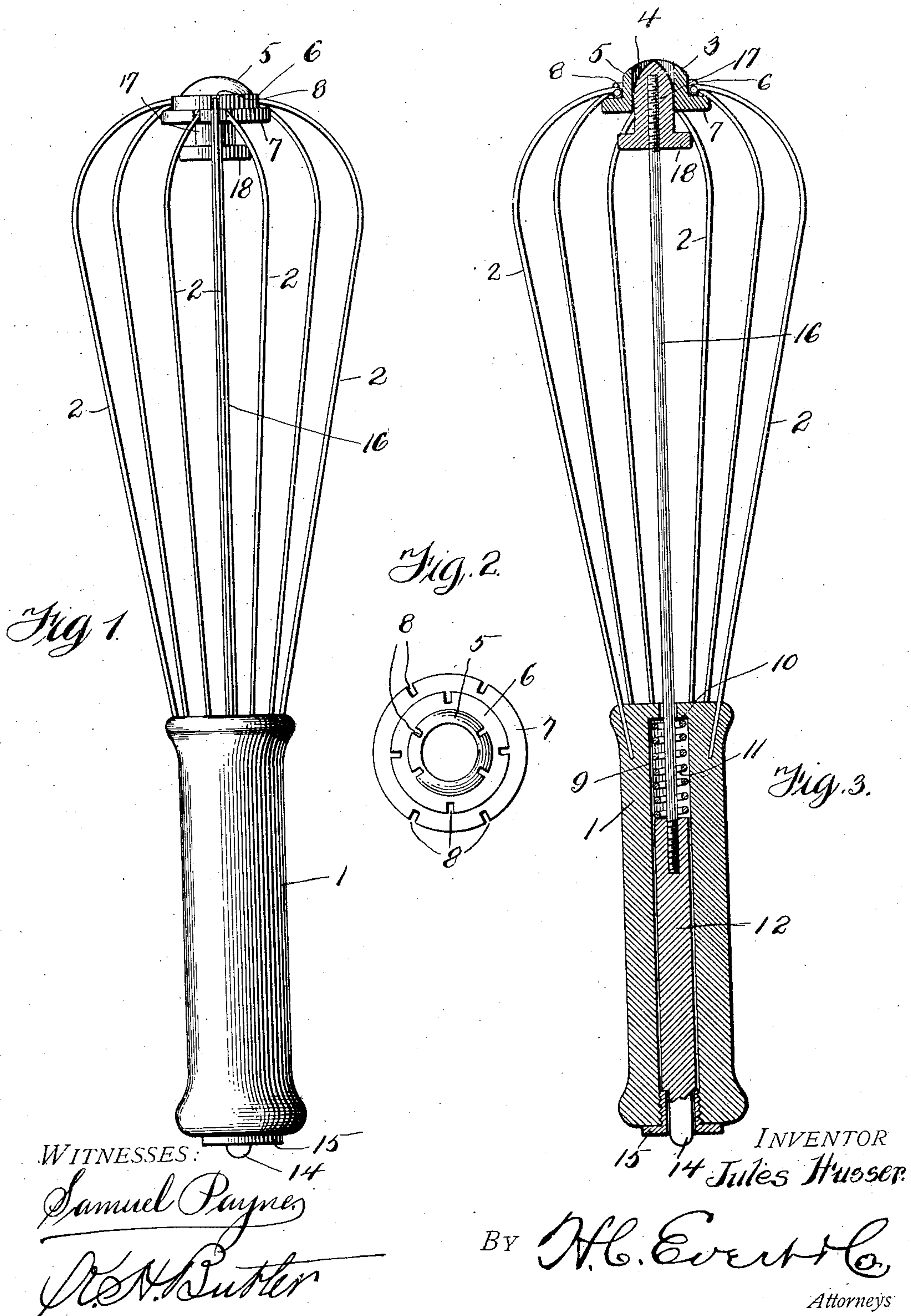
No. 843,461.

PATENTED FEB. 5, 1907.

J. HUSSER.

BEATER.

APPLICATION FILED DEC. 17, 1906.



UNITED STATES PATENT OFFICE.

JULES HUSSER, OF PITTSBURG, PENNSYLVANIA.

BEATER.

No. 843,461.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed December 17, 1906. Serial No. 348,217.

To all whom it may concern:

Be it known that I, JULES HUSSER, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Beaters, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to beaters; and the invention relates more particularly to a beater for agitating eggs and vegetables.

15 The object of this invention is to provide a novel form of skeleton beater wherein positive and reliable means is employed for extending the same whereby the sharp corners and edges of a utensil in which the same is used can be easily reached.

20 Another object of this invention is to provide a simple and inexpensive beater that can be readily manipulated to thoroughly agitate vegetables or similar products.

25 With these and other objects in view, which will more readily appear as the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts, to be hereinafter more fully described and then specifically pointed out in the appended claims.

30 Referring to drawings forming part of this specification, like numerals of reference designate corresponding parts throughout the several views, in which—

35 Figure 1 is an elevation of a beater constructed in accordance with my invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a plan of a head carried by the beater.

40 In the accompanying drawings I have illustrated a beater embodying a suitable handle 1, a plurality of circumferentially-arranged beater arms or wires 2, having their ends fastened by a cap 3, and a handle 1.

45 My invention resides in the novel form of cap 3 and mechanism used in connection with said cap and handle for expanding lengthwise the balloon-shaped frame formed by the circumferentially-arranged wires 2.

50 The cap 3 is provided with a central opening 4 and with circumferentially-arranged shoulders 5, 6, and 7, said shoulders being notched, as at 8, to receive the upper ends of the wires 2, said ends being suitably secured within the notches of the cap 3.

The handle 1 is provided with a longitudinally-disposed bore 9, the bore at the upper end of the handle being contracted to provide a seat 10 for a coiled spring 11. The spring 11 bears against a plunger 12, mounted in the bore 9, the end of said plunger being contracted, as at 14, and protruding beyond a sleeve 15, mounted in the lower end of the handle 1. Detachably connected to the upper end of the plunger 12 is a rod 16, which extends upwardly centrally of the wires 2 and is provided with a detachable cone-shaped head 17, having a peripheral plunger 18. The normal position of the rod 16 and the head 17 is illustrated in Figs. 1 and 2 of the drawings, and assuming that the beater is being used and it is desired to reach the corners or bottom edges of the receptacle or utensil containing the vegetables being agitated the contracted end 14 of the plunger 12 is pressed inwardly until the cone-shaped head 17 protrudes beyond the cap 3 and forces the cap outwardly, expanding the balloon-shaped frame lengthwise, but contracting it in cross-section. The cone-shaped head 17 can then be readily moved in the corners or edges of a receptacle or utensil to remove such portions of the vegetables that have not been agitated by the beater. When the plunger 12 is released, the spring 11 returns the plunger to its normal position, while the resiliency of the wires 2 causes the beater to assume its normal shape.

My invention entirely resides in the form of the cap 3 and the mechanism employed for expanding or lengthening the balloon-shaped frame or wires 2 of the beater.

What I claim, and desire to secure by Letters Patent, is—

1. In a beater, the combination with a handle, and a balloon-shaped wire frame, of a cap carried by the upper end of said wire frame, said cap having an opening formed therein, said handle having a bore formed therein, a spring-held plunger mounted in said bore, a rod carried by said plunger and extending upwardly centrally of said frame, and a cone-shaped head carried by the upper end of said rod and adapted to protrude beyond said cap when said plunger is pressed, substantially as described.

2. In a beater, the combination with a handle and a balloon-shaped wire frame supported thereby, of a cap carried by the upper

end of said frame, said cap having an opening formed therein, a spring-held plunger mounted in said handle, a cone-shaped head supported by said plunger and adapted to
5 move in said cap.

3. A beater comprising a handle, a plurality of wires carried thereby, a cap connecting the upper ends of said wires, a cone-shaped head movably mounted in said cap, and
10 means mounted in said handle to move said head and said cap.

4. A beater comprising a handle, a balloon-shaped wire frame carried thereby, a cap carried by said frame, a cone-shaped
15 head mounted in said cap, means carried by

said handle to move said head, and means carried by said head to expand said frame lengthwise.

5. A beater embodying a handle, a balloon-shaped resilient frame carried thereby, 20 a cap carried by the upper end of said frame, and means mounted within said handle and engaging said cap to expand said frame.

In testimony whereof I affix my signature in the presence of two witnesses.

JULES HUSSER.

Witnesses:

MAX H. SROLOVITZ,

A. J. TRIGG.