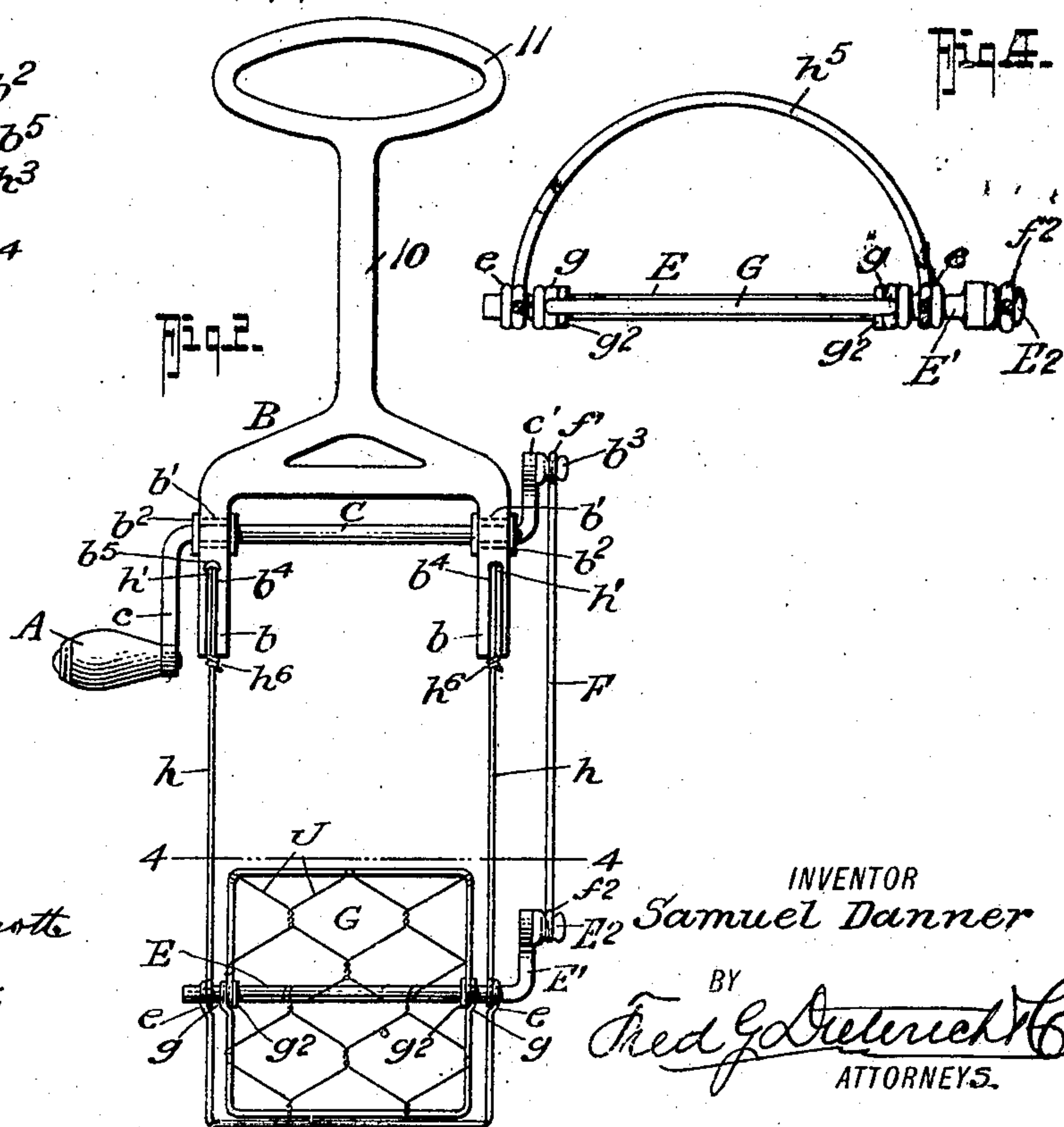
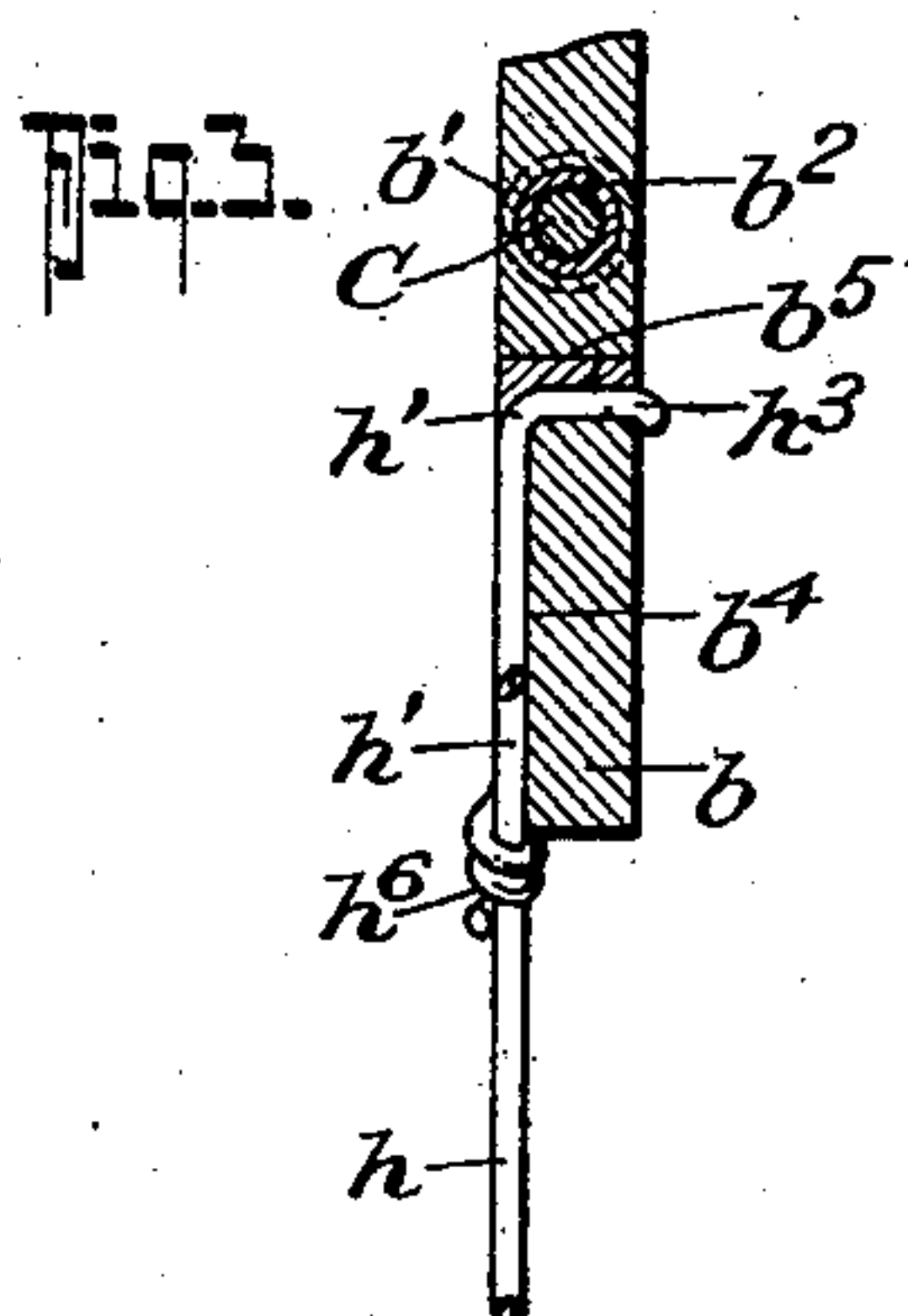


No. 846,829.

PATENTED MAR. 12, 1907.

S. DANNER.  
EGG BEATER.

APPLICATION FILED JAN. 15, 1907.



WITNESSES:  
*John T. Schrotte*  
*E. C. Gibson.*

INVENTOR  
*Samuel Danner*

BY  
*Fred G. Danner*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

SAMUEL DANNER, OF DONIPHAN, MISSOURI.

## EGG-BEATER.

No. 846,829.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed January 15, 1907. Serial No. 352,473.

*To all whom it may concern:*

Be it known that I, SAMUEL DANNER, residing at Doniphan, in the county of Ripley and State of Missouri, have invented a new and Improved Egg-Beater, of which the following is a specification.

My invention seeks to provide a simple, inexpensive, and easily-manipulated egg-beating device in which the parts are so designed and coöperatively combined that they can be quickly assembled and have such correlation that the operation of beating the egg is effected in a minimum amount of time.

My invention consists in certain details of construction and peculiar combination of parts, all of which will be hereinafter fully described, specifically pointed out in the appended claims, and illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of my invention, showing the manner of use of same. Fig. 2 is a side elevation thereof. Fig. 3 is a detail vertical section of the lower end of the cast frame and illustrating the manner in which the opposite frame-wires are made fast thereto. Fig. 4 is a horizontal section on the line 4 on Fig. 1.

In the practical construction my invention comprises an inverted-U-shaped iron frame B, the pendent members  $b\ b$  of which have journal-bearings  $b'$ , fitted with bearing-sleeves  $b^2\ b^2$ , to which is journaled the crank-shaft C, having the oppositely-projected crank members  $c\ c'$  at the ends, one of which receives the wooden handle A, the other having an annularly-grooved head  $b^3$  for conveniently connecting one end of the link rod F, which has its end bent into an eye  $f'$  to fit the grooved head  $b^3$ .

10 designates a shank integral with and extended upwardly from the crown of the member B, the upper end of which terminates in a handhold 11, disposed in the longitudinal plane of the shaft C.

Each of lower ends of the yoke or inverted-U-shaped member B has a deep bore  $b^4$ , that communicates with transverse apertures  $b^5$ , made in the said arms  $b\ b$  for a purpose presently explained.

The body portion of my improved construction of beater is formed of a single strand of stout wire, preferably galvanized iron, and comprises the parallel side members  $h\ h$ , the ends of which are bent back upon each other, as at  $h'$ , and the extremities of the bent-back portion are twisted on the

members  $h$ , as shown at  $h^6$ , thus forming stiff end portions to fit in the recesses  $b^4$ , while the extreme ends  $h^3$  of the stiffened end portions project through the aperture  $b^5$  in the yoke member B, as shown. The ends  $h^3$  are held in the aperture  $b^5$  and firmly secured in place by running solder into the aperture  $b^5$  to bind in the loop portions or ends  $b^3$ , as shown. The solder may also be run into the bent-back portions  $h'$  to aid in securing the members  $h\ h$  to the yoke B. The side members  $h$  at their lower ends merge with the inverted-U-shaped portion  $h^5$ , disposed in a plane at right angles to the members  $h\ h$ , whereby to form a flat base for supporting the beater in a bowl, cup, or other receptacle in which it is desired to beat the eggs. At a short distance above the base  $h^5$  the side members  $h$  are twisted to form bearing-eyes  $e$  for the beater-shaft E, one end of which has a crank  $E'$ , provided with a grooved head  $E^2$  to receive the eye portion  $f^2$  on the lower end of the pitman-rod F, the upper end of which connects with head  $b^3$  of the crank or drive shaft C, before referred to.

G designates the beater, which consists of a rectangular frame bent up from a single member of stout wire, the terminals of which are secured to each other by soldering or twisting. In shaping the beater-frame the vertical portions are bent to form opposite eyes  $g\ g$  for the passage of the beater-shaft therethrough, to which shaft they are firmly secured by soldering-washers  $g^2$ , being also soldered on the shaft E on the opposite ends thereof adjacent the eyes  $e$  to keep the shaft from moving laterally with respect to the members  $h\ h$ . The body of the beater is formed of a series of thin wires J, interlaced with each other and with the beater-frame, to which they are secured by soldering, as shown.

From the foregoing, taken in connection with the drawing, the complete arrangement, the manner of use, and the advantages of my invention, it is believed, will be readily apparent.

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

1. An egg-beater comprising an inverted-U-shaped metal frame having a centrally-projected portion formed with a handhold, a crank-shaft journaled in the ends thereof, a frame comprising side members whose upper ends are secured to the ends of the shaped



frame, a cross member joined with the lower ends of the side members, a beater-shaft journaled in the side arms having a crank member, a rod connecting said crank with  
5 the other crank-shaft and a beater-frame mounted on the beater-shaft, substantially as shown and described.

2. An egg-beater comprising a body portion formed of a single strand of stout wire  
10 bent upon itself to form parallel side arms, its loop or central portion being bent at right angles to the side arms, the side arms being bent to form bearing-eyes, a beater-shaft journaled in the said side-arm eyes, said shaft  
15 having a crank portion, a beater-frame mounted on the shaft to turn between the side arms, a frame mounted on the upper ends of the side arms, a crank-shaft journaled in said frame having a handle at one end and  
20 a crank at the other end, a link rod connected to said crank and the beater-shaft crank, said frame having an extension extended up-

wardly therefrom and formed with a handhold, for the purposes described.

3. The combination with the inverted-U-  
25 shaped handle-frame, and the crank-shaft journaled in the pendent arms thereof, said arms having vertical bores, and apertures bisecting said bores; of the wire body portion comprising side members, and a base portion,  
30 the side members having their ends bent upon themselves whereby to form stiffened portions to fit the bores in pendent arms of the inverted-U frame, means for securing  
35 said portions in the said arms, a rotary beater mounted in the said side members of the wire body, the shaft of which has a crank and a pitman connecting said crank with the actuating crank-shaft, all being arranged substantially as shown and described.

SAMUEL DANNER.

Witnesses:

WM. V. ELLIS,  
J. K. LANGFORD.