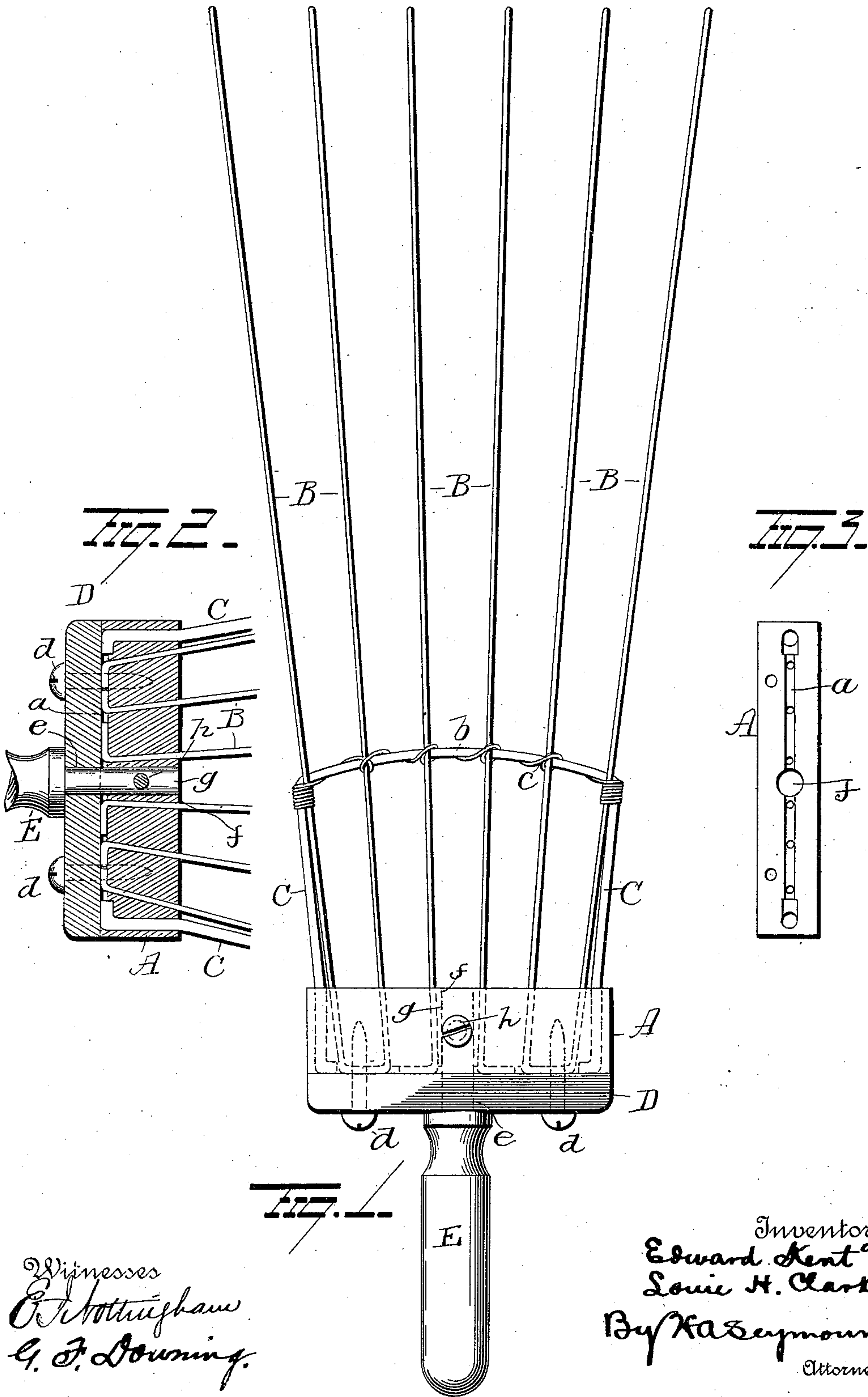


(No Model.)

E. KENT & L. H. CLARK.
CARPET BEATER.

No. 563,598.

Patented July 7, 1896.



Witnesses
W. H. H. H. H.
G. F. Downing.

Inventors
Edward Kent
Louie H. Clark
By H. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

EDWARD KENT AND LOUIE H. CLARK, OF FOND DU LAC, WISCONSIN
SAID KENT ASSIGNOR TO SAID CLARK.

CARPET-BEATER.

SPECIFICATION forming part of Letters Patent No. 563,598, dated July 7, 1896.

Application filed March 1, 1894. Serial No. 501,971. (No model.)

To all whom it may concern:

Be it known that we, EDWARD KENT and LOUIE H. CLARK, of Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Carpet-Beaters; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to an improvement in beaters for carpets, rugs, curtains, upholstered furniture, &c., the object of the invention being to produce a beater which shall be simple and durable in construction, cheap to manufacture, easy to repair, and which shall be effectual, in every respect, in the performance of its functions.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation of our improved beater. Fig. 2 is a sectional view. Fig. 3 is a detail view.

A represents the head of our improved beater, which may be conveniently made of wood, and is provided with a series of perforations for the passage of the inner ends of a series of spring-wire fingers B. The inner or rear end of each finger projects through the head A and is bent down and made to enter a recess *a* in the back of said head. A comparatively heavy or large wire brace C is bent into U shape, and its ends are passed through perforations in the ends of the head A and bent so as to enter the recess *a* in the back of said head the same as the fingers B. The intermediate portion *b* of said brace extends across the series of fingers B some little distance beyond their connection with the head A, said intermediate portion *b* of the brace being connected with or tied to said fingers by means of a small wire *c*, as shown in Fig. 1. The ends of the wire *c* are wound about

the end portions of the brace C and the adjacent finger B and said parts are then soldered together. This brace serves to stiffen the connection of the fingers with the head and prevents the former from bending at the head when the device is in use, and also prevents the latter from being split or broken and considerable strain is brought to bear on the fingers. A block D is placed on the back of the head over the bent-over ends of the fingers and brace and completely covers and protects the same. The block D is preferably secured to the head A by means of screws *d d*, said screws passing into the head at one side of the bent-over ends of the inner ends of the fingers. The block D is made with a perforation *e* at its center, adapted to align with a similar perforation or socket *f* in the head. The shank *g* of a handle E is passed through the perforation *e* and into or through the perforation or socket *f*, said handle being secured in position by means of a screw *h*, which passes transversely through the head A and the shank *g*. By this construction and arrangement of parts the handle E and block D can be readily removed when it is desired to replace a finger which may have become broken.

When the parts are assembled as above explained, the device will be substantial, and will operate effectually in the performance of their functions.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. As an article of manufacture, a beater consisting of a head having perforations extending therethrough, fingers passed through these perforations, and a cap or block removably secured to the head over the ends of the fingers projecting through the perforations, substantially as set forth.

2. As an article of manufacture, a beater consisting of a head having perforations extending therethrough, a wire brace the ends of which extend through two of the perforations, wire fingers extending through the re-

maining perforations and secured to the
brace, a cap or block removably secured to
the head over the ends of the brace and fin-
gers and a handle extending through the cap
5 or block into the head and means for secur-
ing said handle in place, substantially as set
forth.

In testimony whereof we have signed this

specification in the presence of two subscrib-
ing witnesses.

EDWARD KENT.
LOUIE H. CLARK.

Witnesses:

L. A. FERRIS,
N. C. GIFFIN.