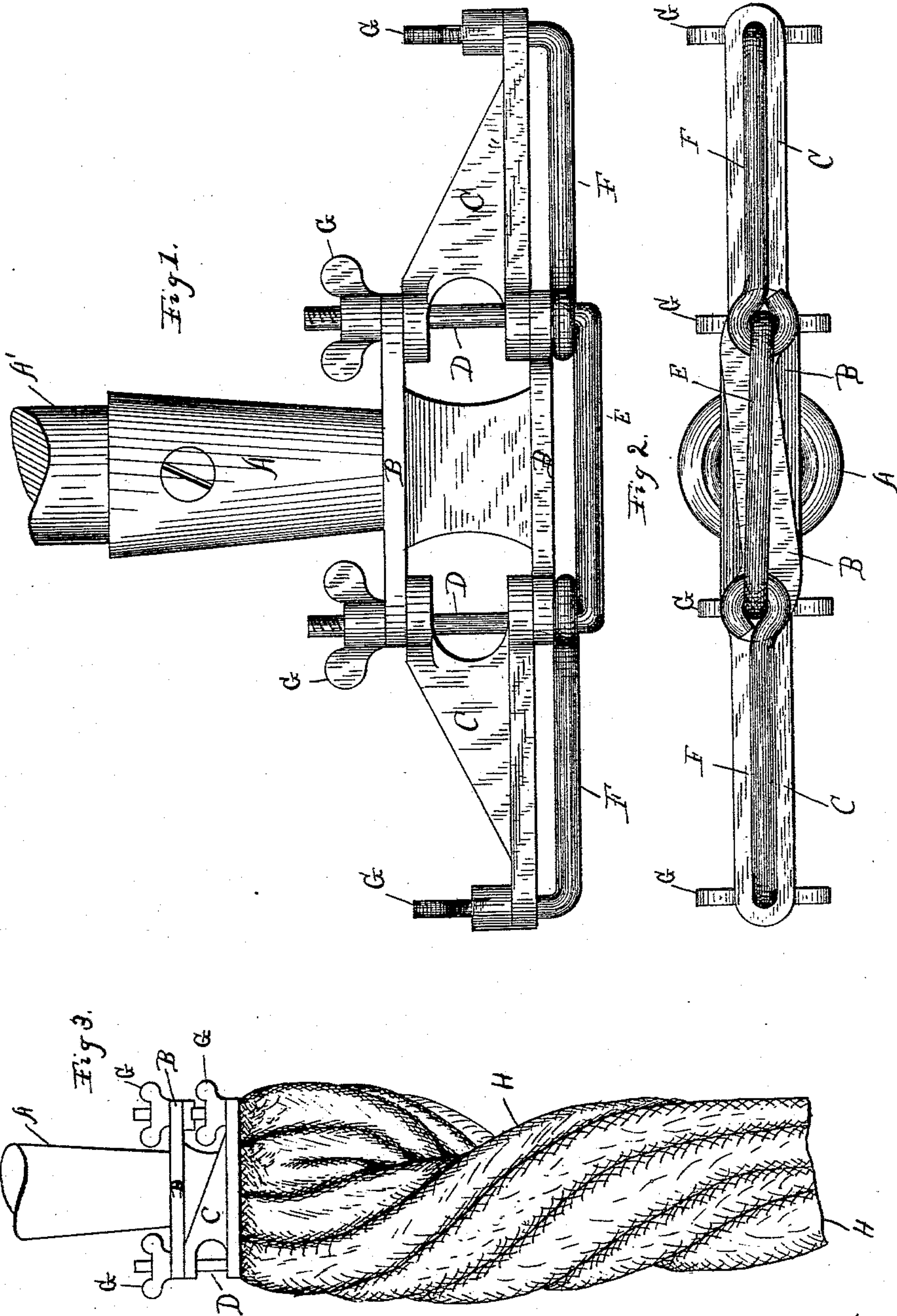


(No Model.)

E. BEACH.
MOP HEAD.

No. 414,629.

Patented Nov. 5, 1889.



Witnesses:
Mack A. Chaplin
A. M. Munday

Inventor:
Elias Beach:
By Munday Evans & Adcock

his Attorneys:

UNITED STATES PATENT OFFICE.

ELIAS BEACH, OF CHICAGO, ILLINOIS, ASSIGNOR TO HIMSELF AND ROBERT LYMAN, OF SAME PLACE.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 414,629, dated November 5, 1889.

Application filed May 23, 1889. Serial No. 311,840. (No model.)

To all whom it may concern:

Be it known that I, ELIAS BEACH, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have
5 invented a new and useful Improvement in Mop-Heads, of which the following is a specification.

This invention relates to an improvement in mop-heads to adapt the same to facilitate
10 the wringing of the mop by twisting the mop-head; and the invention consists, essentially, in a jointed or hinged mop-head capable of folding in the act of wringing.

In the accompanying drawings, which form
15 a part of this specification, and in which similar letters of reference indicate like parts in all the figures, Figure 1 is a view of my improved mop-head. Fig. 2 is the same looking from beneath. Fig. 3 is a view upon a
20 somewhat smaller scale, showing the folding action of the head during the wringing of the mop.

In said drawings, A represents the socket to which the wooden handle A' is attached.

25 B B are two cross-arms extending laterally from the socket and having at each end perforations.

C C are wing-pieces joined to the pieces B by the pivots D D. These pivots D D are
30 connected together by the cross-piece E, which cross-piece, in connection with the pieces F F, looped to the pivots D, form the holding-wire. The upturned ends of the wires F F and the upper ends of the pivots D D are screw-
35 threaded to receive thumb-nuts G G G G.

The cloth or fibers H constituting the mop are inserted between the head and the hold-

ing-wires F E F and secured by the tightening of the nuts G.

When the mop is to be wrung by twisting
40 action, either by hand or by aid of a mop-wringer, the wings C C in the act of twisting the mop-head will fold in opposite directions, so that the twist given to the cloth or fibers can be wrung more readily up to the extreme
45 end thereof, and as a result the water and moisture can be more thoroughly wrung out with the expenditure of less force than is required where the head is kept extended in
50 the usual manner.

I claim—

1. As a new article of manufacture, a folding mop-head, substantially as set forth.

2. In a folding or hinged mop-head, the combination of the central stationary part
55 and the two folding wings hinged to the stationary part and provided with the clamping-wires F E F, substantially as specified.

3. In a folding mop-head, the central portion having clamping-wire E, and the wings
60 hinged to said central portion by means of the turned-up ends of said clamping-wire, substantially as specified.

4. The combination, with the central stationary part and the hinged wings, of the
65 clamping-wire E, having upturned ends D D, constituting the pivots of the hinges, the clamping-wires F F, looped to the pivot-wires D D and having upturned outer ends, and the nuts G G G G, substantially as specified.
70

ELIAS BEACH.

Witnesses:

H. M. MUNDAY,
JOHN W. MUNDAY.