No. 776,751. PATENTED DEC. 6, 1904.

C. MORGAN.

MOP HEAD.

APPLICATION FILED JULY 11, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

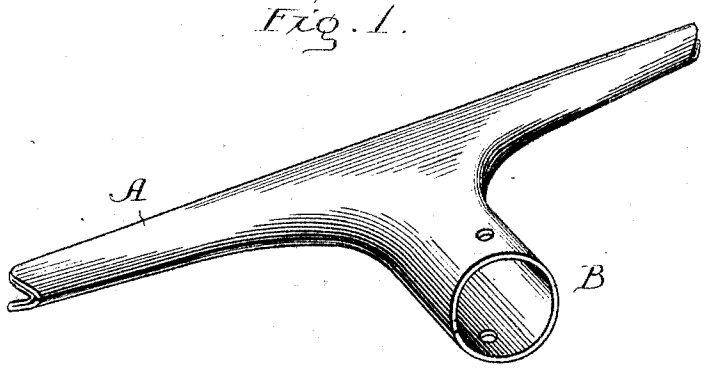


Fig. 2.

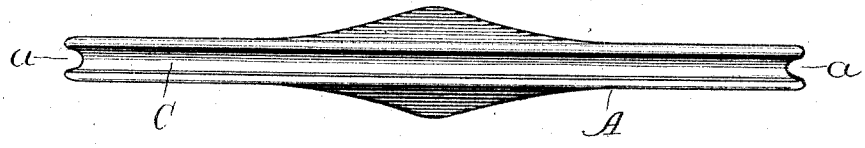


Fig. 3.

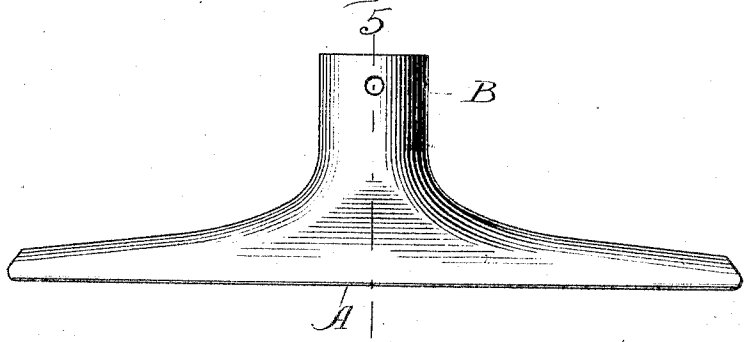
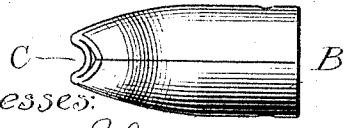
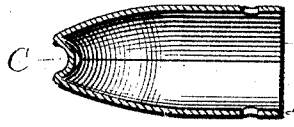


Fig. 4.



Witnesses:
Chas O Shurvey
S. Bliss.

Fig. 5.



Inventor.
Charles Morgan,
by H. Bitner.
Atty.

PHOTO LITHOGRAPHED BY SACHETT & WILHELMS LITHO. & PTG. CO. NEW YORK.

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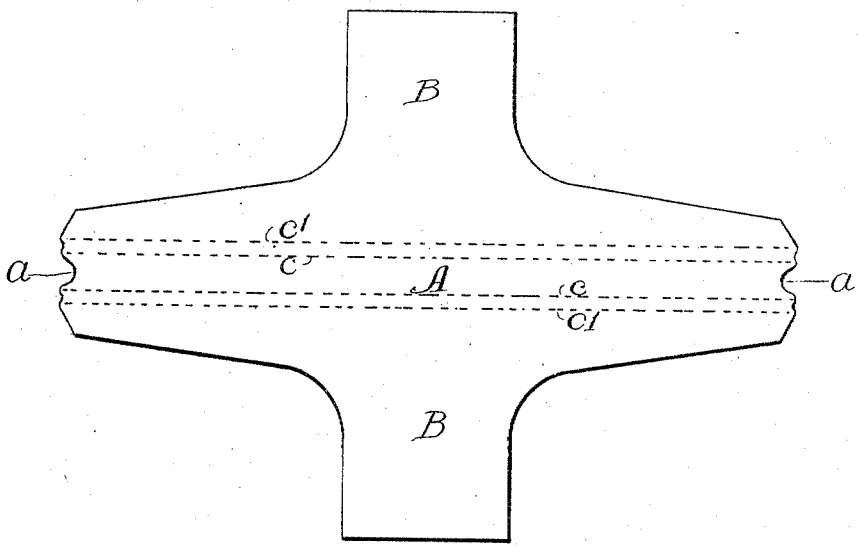
C. MORGAN.

MOP HEAD.

APPLICATION FILED JULY 11, 1903.

NO MODEL. 2 SHEETS—SHEET 2.

Fig. 6.



Witnesses.
Chas. O. Shorey.
S. Bliss.

Inventor:
Charles Morgan
by H. H. Bitner,
Atty.

No. 776,751. Patented December 6, 1904.

UNITED STATES PATENT OFFICE.

CHARLES MORGAN, OF FREEPORT, ILLINOIS, ASSIGNOR TO ARCADE MANUFACTURING COMPANY, OF FREEPORT, ILLINOIS, A CORPORATION OF ILLINOIS.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 776,751, dated December 6, 1904.

Application filed July 11, 1903. Serial No. 165,063. (No model.)

To all whom it may concern:

Be it known that I, CHARLES MORGAN, a citizen of the United States of America, residing at Freeport, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Mop-Heads, of which the following is a specification.

My invention relates to certain new and useful improvements in mop-heads; and its object is to produce a device of this class which can be made of sheet metal and which shall be strong and cheap.

To this end my invention consists in certain novel features of construction which are clearly illustrated in the accompanying drawings and described in this specification.

In the aforesaid drawings, Figure 1 is a perspective view of my improved mop-head. Fig. 2 is a bottom plan view thereof. Fig. 3 is a side elevation thereof. Fig. 4 is an end elevation. Fig. 5 is a section in the line 5 5 of Fig. 3, looking in the direction of the arrow, and Fig. 6 is a plan of the blank from which the head is constructed.

Referring to the drawings, a blank, Fig. 6, is cut out which has a longitudinal central portion A, provided with notches *a* at the ends, and two laterally-projecting portions B, which extend at right angles to the longitudinal central portion A. The ends of the laterally-extending portions B are preferably straight and extend parallel to the central line of the blank, and the sides of these portions are straight along a portion of their length, but merge into curves which flare out, as shown in the drawings, to the end of the central longitudinal portion A.

In forming the mop-head a longitudinal groove C is made which runs through the center of the longitudinal portion A of the blank, following the dotted lines *c* in Fig. 6. The laterally-extending portions B are bent back upon the groove along the lines *c'* in Fig. 6. The laterally-extending portions are also bent at their centers into substantially semicircular form about the handle of the mop to form a ferrule, and those parts of the laterally-extending portions B nearest the ends of the central portion A of the blank are bent down back of the groove C and meet behind the same, Fig. 4.

When the mop-head is completed, the opposite ends of the laterally-extending portions B meet along the center line of the mop-head and can, if desired, be secured together by soldering or tinning.

The notches *a* form notches in the completed mop-head through which the bail may slide and be guided. The parts of the laterally-extending portions B, which are bent back of the grooves C, greatly strengthen the structure without giving it unnecessary weight. Inasmuch as the greatest strain upon a mop-head comes at its ends, it is particularly desirable to have these reverted portions to reinforce the cross-head. It will be noted that this mop-head is extremely simple and cheap.

In describing the process by which this mop-head is constructed I have taken the steps in what seemed the easiest way to explain and understand; but it is not to be understood that I consider myself limited to the particular order of steps set forth, for it is quite plain that except as a matter of convenience the order of steps is not material.

I realize that considerable variations are possible in the details of this construction without departing from the spirit of the invention, and I therefore do not intend to limit myself to the specific form herein shown and described.

I claim as new and desire to secure by Letters Patent—

1. A sheet-metal jaw for a mop-holder having a cross-head provided with a groove in its front and side plates integrally connected to the cross-head on each side of the groove, said plates extending back of the head and being provided with semicylindrical portions oppositely disposed forming a ferrule.

2. A sheet-metal jaw for a mop-holder having a cross-head provided with a groove at its front, side plates integrally connected to the cross-head on each side of the groove, said

plates extending back of the head and being provided with semicylindrical portions oppositely disposed, forming together a ferrule, and with end portions behind the groove and extending to the ends thereof to strengthen the cross-head.

In witness whereof I have signed the above application for Letters Patent, at Freeport, in the county of Stephenson and State of Illinois, this 29th day of June, A. D. 1903.

CHARLES MORGAN.

Witnesses:

FRED. E. BOEDEKER,

B. C. HERBIG.