June 26, 1928. 1,675,218

J. J. JERABEK

MOP AND MOP HEAD

Filed Aug. 13, 1927

Fig. 1.

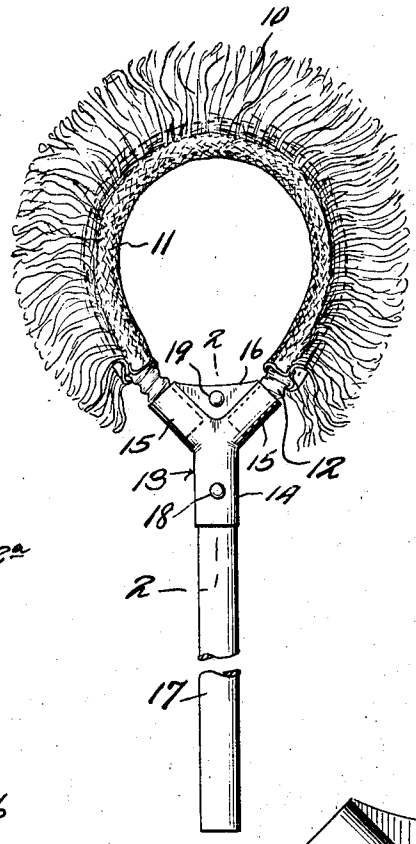


Fig. 4.

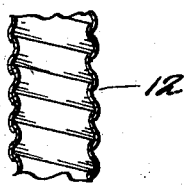


Fig. 5.

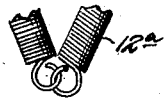
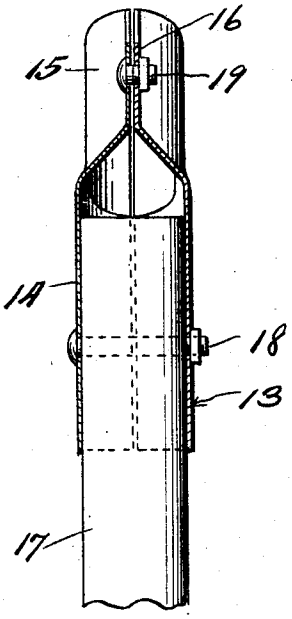


Fig. 2.



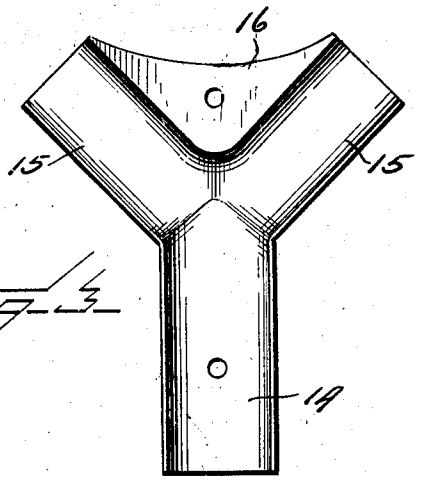


Fig. 3.

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MOP AND MOP HEAD.

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This invention relates to mops and mop heads, and the general object of the invention is to provide a simple, cheap and efficient mop which may be used either as a dry mop, a wet mop or with mop oil.

More specifically, an object of the invention is to provide means for connecting a mop to the handle which includes the use of two opposed identical stampings having the form of a Y to provide a handle-embracing branch and two mop core embracing branches, the stampings being held together by bolts in clamping position upon the core of the mop and being held to the handle by a bolt, the construction being such that the mop core may be removed from this clamp without disengaging the clamp from the handle or the clamp may be removed from the handle without disengaging it from the mop core.

A further object is to provide a construction of this character wherein, inasmuch as the members of the clamp are formed of two identical stampings, the core head may be made very cheaply, simply and expeditiously.

Another object is to form a clamp of the character described which will only require the use of two bolts to lock it upon the handle or upon the mop core.

Still another object is to provide a core of improved construction, which is very simple, cheap and yet effective for the purpose intended.

Other objects will appear in the course of the following description.

My invention is illustrated in the accompanying drawing, wherein:—

Figure 1 is a plan view of a mop with my improved handle applied thereto;

Figure 2 is a section on the line 2—2 of Figure 1;

Figure 3 is an inner face view of one of the clamping sections;

Figure 4 is a fragmentary longitudinal sectional view of the mop core;

Figure 5 is a fragmentary plan view of a modified form of core.

Referring to this drawing, it will be seen that the mop proper, which is designated 10, is sewed upon or otherwise attached to a tubular hem 11 or equivalent member, and that passing through this tubular hem is a core 12 which is formed of a spiral metallic strip wound spirally so as to retain its shape throughout, the spirals being closed upon each other. This core is a well known article of manufacture and is commonly used as a sheathing or armor for electric light wires. This core is flexible, may be readily bent into the shape desired, and at the same time has sufficient rigidity to hold the mop in proper position when the core is bent around in an approximate circle and the two ends connected to the clamp which will now be described.

The clamp consists of two identical stampings, designated generally 13. These stampings are each formed to provide a semi-circular handle-embracing portion 14 and two semi-circular core-embracing portions 15 disposed at an angle of approximately 45° to the handle-embracing portion 14. The arms of the core-embracing portions 15 are connected by an integral web 16. When these two stampings 13 are disposed in confronting relation with their concave faces inward, they form a Y-shaped tubular member into which the ends of the core 12 may be received and into which the end of a handle 17 may be received. This handle is held in place within the socket formed by the portions 14 by the bolt 18 and the two duplicate sections are held clamped upon the core by means of a bolt 19.

It will be seen that the mop is in the form in plan of an elongated oval so that the mop may be used in corners and in places where a circular mop can not possibly be used. While I have shown the core 12 as formed of what is known to the trade as B—X, it may be formed of a coiled spring, in which case the two ends of the spring may be interlocked with each other so that the swatch 10 can not come off the core. The ends of such a core, which core is designated 12^a, are shown in Figure 5.

With this construction the handle may be taken off without interfering with the mop swatch or the swatch may be removed without taking off the handle. Only two screws are used, thus making the application of the mop head to the handle or to the clamp very expeditious and a very simple matter.

I claim:—

1. A mop of the character described including a mop core ovoidal in shape, a mop swatch through which the core extends, a handle, means for clamping the ends of the core to the handle including two duplicate stampings, each stamping having a main semi-cylindrical portion adapted to receive

the handle and two semi-cylindrical portions branching from the main semi-cylindrical portion and intersecting the latter at the forward end thereof and adapted to receive the ends of the core, the branch portions of each stamping being connected to each other by a thin, integral, perforated web, a single bolt passing through said webs and clamping the core-engaging portions upon the core, and a bolt passing through the handle-engaging portions and through the handle whereby the handle may be clamped in position, thus permitting the removal of the handle independently of the core or the removal of the core independently of the handle.

2. Means for clamping a mop core and mop swatch to a handle including two duplicate stampings of thin metal, each stamping having a main semi-cylindrical portion and two branch semi-cylindrical portions extending outward at an angle of approximately 45° from the main portion, the branch portions of each stamping being connected to each other by a thin, integral, perforated web extending at right angles to the main portion, a bolt passing through said webs and adapted to clamp the core-engaging portions in clamping relation upon a core, and a bolt passing through the handle-engaging portions and through the handle.

In testimony whereof I hereunto affix my signature.

JERRY J. JERABEK.