

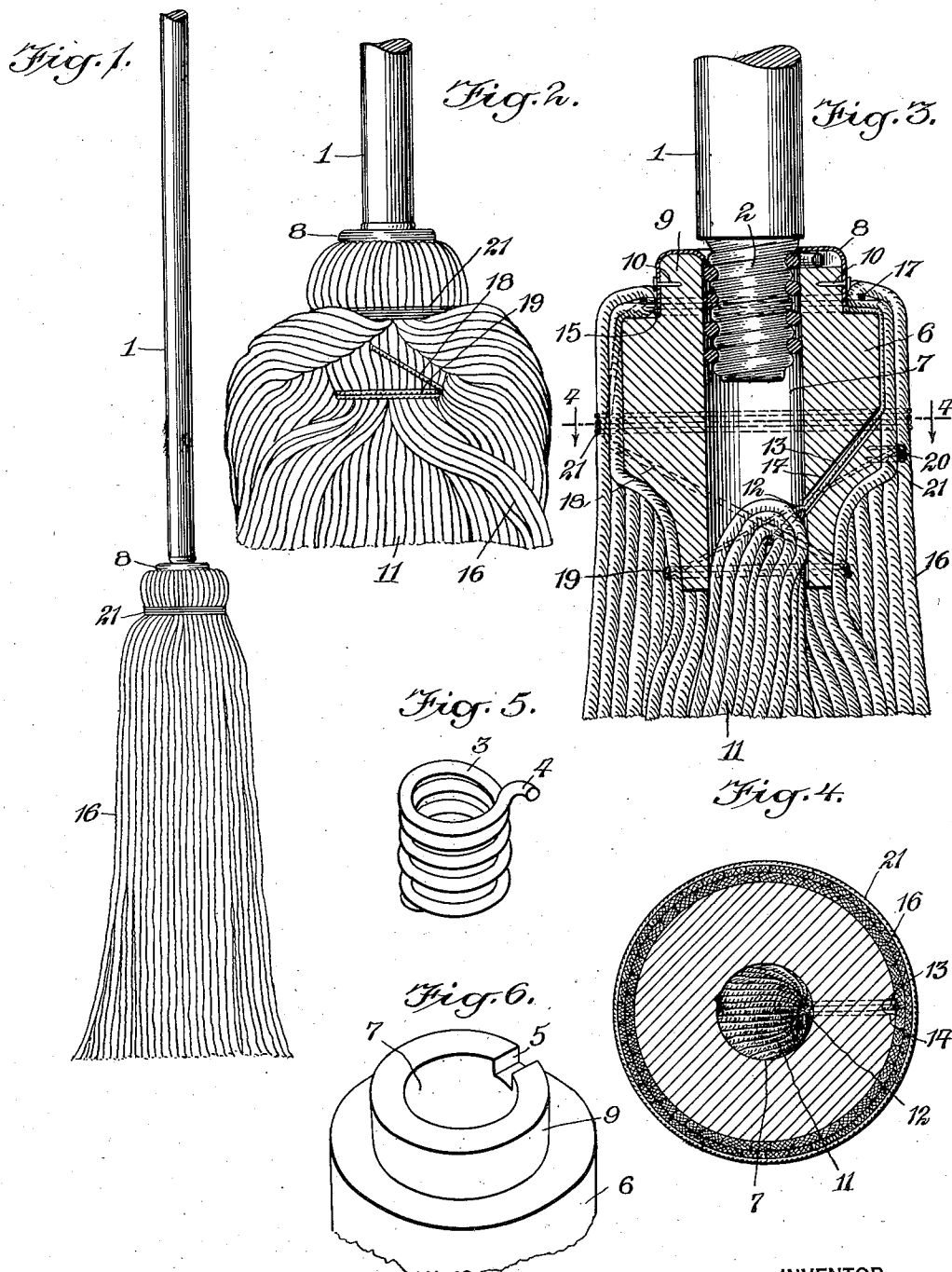
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MOP

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MOP

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2 Claims. (Cl. 15—229)

This invention relates to mops, and has for an object to provide an improved, simplified construction wherein the strands of the mop substantially cover the head at all times.

Another object of the invention is to provide a mop having a head provided with an aperture extending therethrough, the fabric strands being arranged around the outer surface of the head and extending into the bore so that the head will not come in contact with the floor or other object when the mop is in use.

In the accompanying drawing—

Figure 1 is a side view of a mop disclosing an embodiment of the present invention, part of the handle being broken away;

Figure 2 is a view of the central part shown in Figure 1 with the lower part of the fabric strands cut away and the upper part of the handle cut away, with certain of the fabric strands folded back to illustrate the interior structure;

Figure 3 is a vertical sectional view through Figure 2, the same being on an enlarged scale;

Figure 4 is a transverse sectional view through Figure 3 on the line 4—4;

Figure 5 is a spiral wire spring acting as removable handle-retaining threads when functioning;

Figure 6 is a perspective view of the upper part of the head shown in Figure 3.

Referring to the accompanying drawing by numerals, 1 indicates a handle which may be of wood and which has a reduced end carrying a metal ferrule 2 which is threaded from one end to the other. This metal ferrule is screwed into the coils of the spring 3, which spring has an extending end 4 fitted into the notch 5 of the head block 6. When the threaded portion 2 is screwed in tightly the spring 3 will expand and press against the walls of the bore 7 so that the parts will all be retained firmly in place. In addition, a metal cap 8 is fitted over the reduced extension 9 and is held in place by the tacks 10 or, if desired, the metal cap could be pressed in at different points. This forms a very desirable finish to this part of the device and at the same time acts as means for preventing the spring 3 from coming out when the handle 1 is removed.

As illustrated particularly in Fig. 3, there are a number of folded strands 11 of yarn, which may be cotton or other desired material, which are tied at 12 by the cord 13. This cord 13 is passed through the passageway 14 and pulled until the folded end of the yarn is pulled a short

distance into the bore 7. The cord is then given a turn or loop 15 around the reduced end 9, after which the various strands 16 are laid on the head block 6 a substantially equal distance on each side of the loop 15. The cord 13 is then given another turn 17 and pulled tight, after which the yarn 16 is allowed to drop downward, as shown in Figs. 1 and 3. The cord 13 extends from the loop 17 downwardly and diagonally, as indicated by the line 18, until it is near the lower end of the block 6, as shown in Fig. 3, whereupon it is given one or more turns 19 around the inner layer of yarn 16. It will be noted that the block 6 is cylindrical at all points and at the lower part tapering so that the inner layers of yarn 16 held by the turns 19 are very near the strands of yarn 11. After making the turn 19 the cord 13 extends to the point 20 where a staple 21 is used to secure the end to the block 6. After this has been done a plurality of turns of the cord is applied exteriorly to all of the yarns substantially midway between the top and bottom of the block 6 and the cord is then tied, whereupon the parts will appear as shown in Fig. 1. This is the finished mop with strands of yarn made of any desired length according to the use to which the mop is to be put.

By the construction set forth a very desirable form of head is provided and the block 6 is completely covered, but by reason of the shape thereof no part comes in contact with the floor or any object when the mop is in use. Some mops are made as just described but the yarn is cut off so that the mop will be short and the long handle 1 is removed and the mop used without the handle or with a very short handle. By providing the metal threaded sheathing 2 and the spring 3 a very desirable and strong fastening arrangement is provided for the handle so that the same may be applied and removed as often as desired without danger of producing a loose connection.

I claim:

1. A mop including a head formed from a single block having a centrally positioned bore extending entirely therethrough, a cylindrical central part of a given diameter, a cylindrical end part of less diameter whereby an annular notch is provided between said parts, tapering end portions, and a small bore extending from the outside surface of said central part to the first-mentioned bore approximately centrally of said tapering portion, a bunch of folded yarn having the folded end extending into the end of the

first-mentioned bore located within said tapering portion, a tie member extending through said small bore and around said yarn at its folded end for holding said folded end in said
5 central bore, a second bunch of folded yarn positioned to hang over said central part and said tapering portion, the folded end of said second bunch of yarn fitting into said annular notch, a tie member extending through the folded end
10 of said second bunch of yarn for tying the end to said cylindrical end, a tie member for tying certain strands of said second bunch of yarn to said tapering portion near the smaller end thereof, and an outside tie member encircling the
15 second bunch of yarn substantially centrally of said cylindrical central part for clamping the yarn to said central part.

2. A mop including a head having at one end means for receiving a handle and a reduced

tubular extension and at the other end a reduced tapering portion having a centrally positioned bore, a folded bunch of yarn having its folded end extending into said bore, a tie member encircling the folded part of said yarn for
5 holding the folded part of the yarn within the bore, a second bunch of yarn having inner and outer layers of yarns, a tie member arranged between said inner and outer layers at the folded
10 end, said folded end encircling said tubular extension, a tie member encircling the inner layer of said second bunch of yarn adjacent the small part of said tapered end for clamping the inner
15 layer of yarn to said tapering portion, and an encircling clamping member for clamping both the inner and outer layers of said bunch of yarn against said head substantially centrally thereof.

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