

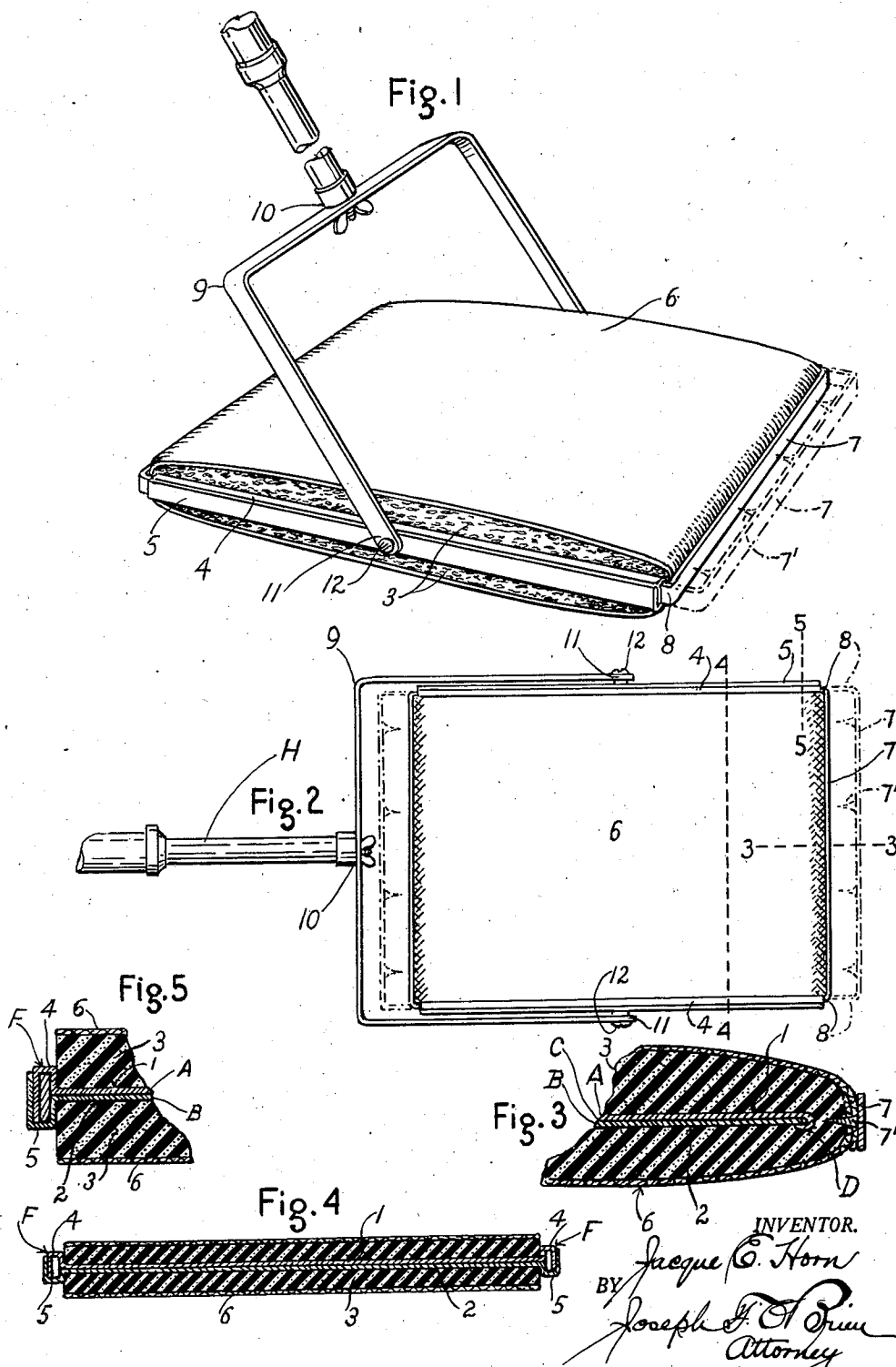
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SPONGE RUBBER MOP AND SHEET HOLDER

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SPONGE RUBBER MOP AND SHEET HOLDER

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2 Claims. (Cl. 15—244)

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This invention relates to improvements in mops and preferably mops of the type that are intended to be used for wiping floors or walls or like surfaces.

One of the objects of this invention is to produce a mop comprising a substantially flat head with dual wiping surfaces and a handle so connected to said head as to enable said dual wiping surfaces to be alternately applied to a floor or like surface and capable of immediate alternation.

Another object of my invention is to produce a mop of the character specified having dual flat surfaces for supporting a wiping means and a handle pivotally swung or mounted to enable alternate extension over either of said flat surfaces and preferably connected by means of a bail pivotally connected to said mop at its opposite side edges intermediate the ends thereof, whereby the wiping means on either of said dual supporting surfaces may be alternately applied in a wiping operation.

Still another object of my invention is to produce a mop of the type specified having oppositely extending flanges at the side edges thereof to produce longitudinal channels for the retention on opposite surfaces of wiping means against side-slipping.

Still another object of my invention is to produce a mop, having a substantially flat head with similar opposite surfaces, in which an operating handle is pivotally connected to said head at the side edges thereof to provide dual supporting surfaces, wiping means is supported on said surfaces and said dual surfaces having retaining flanges projecting outwardly from opposite edges to produce longitudinal channels for the prevention of side-slipping of said wiping means, and a continuous pad of sponge rubber or like material abutting both surfaces and extending around the end edges of said head and between said supporting surfaces and said wiping means.

Still another object of my invention is to produce a mop comprising a head provided with dual substantially-flat surfaces and a relatively soft pad extending continuously from one surface to the other and a cleaning fabric mounted on said continuous pad by looping the same around one end edge and fastening the same at the opposite end edge, by a suitable fastening device.

In accordance with the preferred form of my invention shown, the mop head is composed of dual flat plates abutting each other at one of their surfaces and providing dual flat support-

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ing surfaces at the other faces and the side flanges comprise square tubes which are employed for the mounting of fastening members at the opposite end edges of the head. These tubular flanges are preferably formed by the inter-engagement of the formed edges of the dual plates, and a fastening device is mounted in these tubular flanges at each of the opposite ends of the head. Each fastening device preferably comprises a narrow band having pins adapted to be inserted through the wiping element and through the soft pad to retain the said wiping element in place, and said narrow bands have inwardly-extending legs preferably telescopically mounted in said tubular flanges.

The invention is illustrated, in a preferred embodiment, by the accompanying drawings, in which:

Fig. 1 is a view in perspective of a mop embodying my invention in position for application to a flat surface of one of its dual faces;

Fig. 2 is a view in plan of the mop shown in Fig. 1;

Fig. 3 is a fragmentary section on the line 3—3 of Fig. 2;

Fig. 4 is a cross-section on the line 4—4 of Fig. 2; and

Fig. 5 is a fragmentary section on the line 5—5 of Fig. 2.

Referring now to these drawings, in the device illustrated, A and B indicate two metal plates abutted and fastened together by clinching or turning as at D one of the two end edges of the plates beneath the other, and this clinching is preferably done at both ends. The two plates together constitute a mop head C with similar dual supporting surfaces 1 and 2 on which is mounted a continuous pad 3 of sponge rubber which, as shown, extends around the edges D and is supported on the supporting surfaces 1 and 2 of the head. The mop head C has side-flanges F at the side edges of the head which extend outwardly from the surfaces or faces 1 and 2 to form longitudinal channels and prevent side-slipping of the elements mounted on the head. As shown, these flanges comprise tubular members composed of formed edges 4 and 5 of the two plates A and B. These edges are channelled in opposite directions and intermeshed to produce the square tubular flange F, and the ends of these tubular flange members are, as shown, utilized to mount a fastening device for connecting to the continuous sponge-rubber pad a wiping fabric 6 which is preferably looped around one end of the pad 3, overlapped at the

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other end and fastened to the pad by a fastening band or bail, one of which is preferably mounted at each end of the head or pad. As illustrated, each fastening device comprises a transversely extending band 7 having legs 8 at opposite ends which extend or telescope into the square tubular flanges F. The band 7 carries pins 7' on one face which are inserted through the fabric 6 and into the pad 3 to fasten the fabric in place for wiping.

The head C is pivotally connected to a handle H through a bail 9 connected intermediate its end to the handle at 10 and having pivotal connections at 11 with pivot pins 12 inserted in opposite side edges of the mop head C. In the embodiment shown, the head is permitted to swing freely in the bail 9 and opposite surfaces of the map may be applied to a flat surface by simply turning the head over or swinging the same about the pivot pins 12.

The operation of the device will be obvious. A user merely grasps the handle and presses the mop head with its cleaning fabric mounted thereon against the surface to be cleaned.

The head, however, may be used to mount any type of cleaning fabric and I preferably utilize a cleaning material comprising layers of paper which are mounted on the soft pad of the head and slidingly moved over the floor or other surface to be cleaned in the usual manner.

Having described my invention, I claim:

1. A mop comprising a mop head composed of dual flat, oppositely-positioned supporting plates having faces arranged in contact along their middle portions, said plates being of similar width and length and each having its opposite longitudinal side edges bent outwardly from said contacting faces to produce shallow, outwardly-extending flanges and providing between opposite side edges on the outer faces of said plates coextensive oppositely-arranged longitudinal channels open at the opposite end edges of the plates, a pad of elastic material mounted on said head and extending continuously along the said channel surfaces of both plates to provide wiping surfaces extending along both said oppositely arranged longitudinal channels, a handle, and a bail connected to the side flanges of said head

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to enable alternate application of the dual surfaces of said pad.

2. A mop comprising a mop head composed of dual flat, oppositely-positioned supporting plates having faces arranged in contact along their middle portions, said plates being of similar width and length and each having its opposite longitudinal side edges bent outwardly from said contacting faces into semi-tubular shape to form with similar meeting parts on the other contacting plate tubular flanges extending upwardly from said plates to produce shallow, outwardly-extending flanges and providing between opposite side edges on the outer faces of said plates coextensive oppositely-arranged longitudinal channels open at the opposite end edges of the plates, a pad of elastic material mounted on said head and extending continuously along the said channel surfaces of both plates to provide wiping surfaces extending along both said oppositely-arranged longitudinal channels, a handle, a bail connected to the side flanges of said head to enable alternate application of the dual surfaces of said pad and a fastening device comprising a transversely extending rigid band provided with legs having a frictional slidable engagement within said tubular flanges to cause said band to engage said pad and fasten the same to the end edge of said mop head.

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