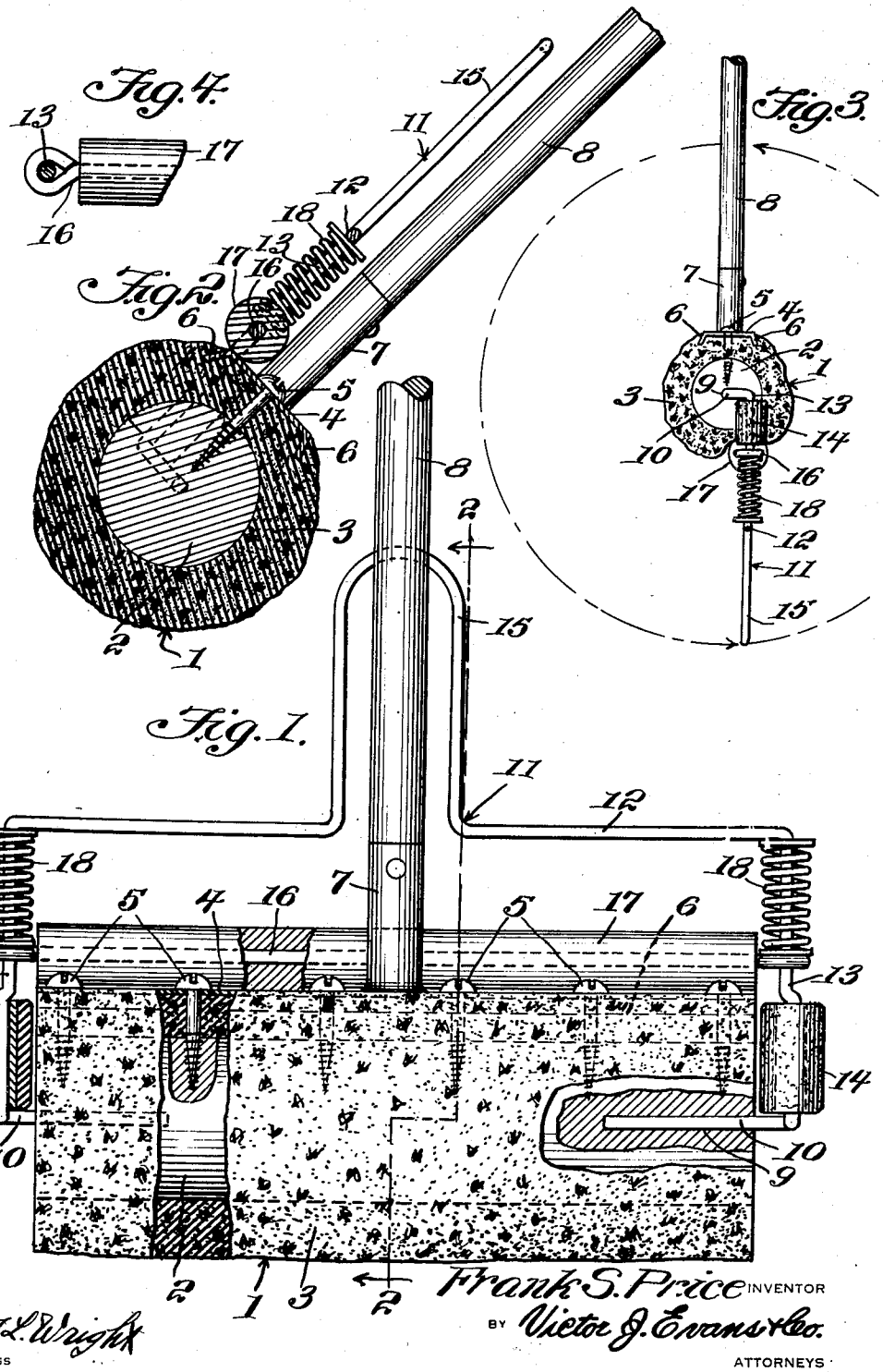
March 19, 1940. F. S. PRICE 2,194,150

SELF-WRINGING RUBBER MOP

Filed Sept. 24, 1937



Patented Mar. 19, 1940 2,194,150

UNITED STATES PATENT OFFICE

2,194,150

SELF-WRINGING RUBBER MOP

Frank S. Price, Los Angeles, Calif.

Application September 24, 1937, Serial No. 165,584

1 Claim. (Cl. 15—119)

This invention relates to mops and has for the primary object the provision of a device which may be used dry or wet, the body thereof being of a material and shape which will permit the device to readily take up dust, dirt and water and has associated therewith means easily operated to subject the body to pressure for expelling dirt, water and the like therefrom, the construction of said means being such that marring or damage to woodwork, furniture and the like will be prevented by the device.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a front elevation, partly in section, illustrating a mop constructed in accordance with my invention.

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1.

Figure 3 is an end view showing the body of the mop subjected to pressure by means carried by the mop.

Figure 4 is a fragmentary plan view, partly in section, showing a portion of a squeeze roller and its mounting.

Referring in detail to the drawing, the numeral 1 indicates a mop head composed of a cylindrical core 2 of solid formation having positioned thereon and extending the full length thereof a covering 3 constructed of spongy rubber or any other material suitable for the purpose. The adjacent edges of the covering 3 are overlapped by a securing plate 4 secured to the core 2 by screws or like fasteners 5. Angularly disposed flanges 6 are formed on the plate 4 and bite into the covering for retaining the covering taut on the core. A ferrule 7 is formed on the plate to receive a handle 8.

The ends of the core 2 are exposed and have formed therein sockets 9 to receive journal portions 10 forming a part of a frame 11. The frame 11 includes a portion 12 which parallels the core and integral with said portion 12 are arms 13 extending at right angles thereto and on which are formed the journals 10. The journals are offset from the arms 13 and the latter have journaled thereon cushion rollers 14 to prevent the ends of the core or mop head from coming in contact with furniture and the like during the use of the device. The portion 12 of the frame is bent to provide a hand grip 15, the normal position of which is parallel with the handle 8. A rod 16 is slidably mounted on the arms 13 and has journaled thereon a squeeze roller 17 constructed of rubber or any other suitable material.

Coil springs 18 are mounted on the arms 13 and bear against the portion 12 of the frame and against the rod 16 for urging the squeeze roller against the mop head with considerable force sufficient to compress the covering to expel therefrom water, dirt and the like. Normally the squeeze roller bears against the plate 4 with sufficient force to maintain this position during the use of the mop leaving substantially a full surface of the covering exposed for use in contacting the surfaces to remove foreign matter therefrom. However, when it is desired to expel foreign matter from the covering 3 of the mop head the operator holds the handle 8 in one hand and grasps the hand grip 15 in the other hand and swings the same about the mop head, the squeeze roller traveling about the mop head with considerable pressure on the covering 3. The covering 3 readily collects dust or dirt when brought in contact with the surface also will absorb water and to free the covering of water and foreign matter the squeeze roller is moved about the mop head in the arc of a circle.

A device of the character described is economical to manufacture, easy to use and in convenient spaces and may be readily cleansed of foreign matter through the manipulation of the squeeze roller.

What is claimed is:

A mop comprising a cylindrical core, an obsorbing and compressible covering surrounding said core, a plate engaging the covering and biting into the latter, fasteners securing said plate to the core, a handle mounted on said plate, a frame journaled on the ends of said core and movable about the core with the latter acting as a pivot therefor from one side of said handle to the other side, a rod slidably mounted at its ends on said frame and paralleling the core, a squeeze roller journaled on said rod to engage with the covering and said plate, and springs mounted on the frame and bearing on the rod to force the roller against either said plate or the covering during the pivotal movement of the frame, said spring means retaining the squeeze roller against the plate with sufficient pressure to normally maintain the frame against pivotal movement.

FRANK S. PRICE.