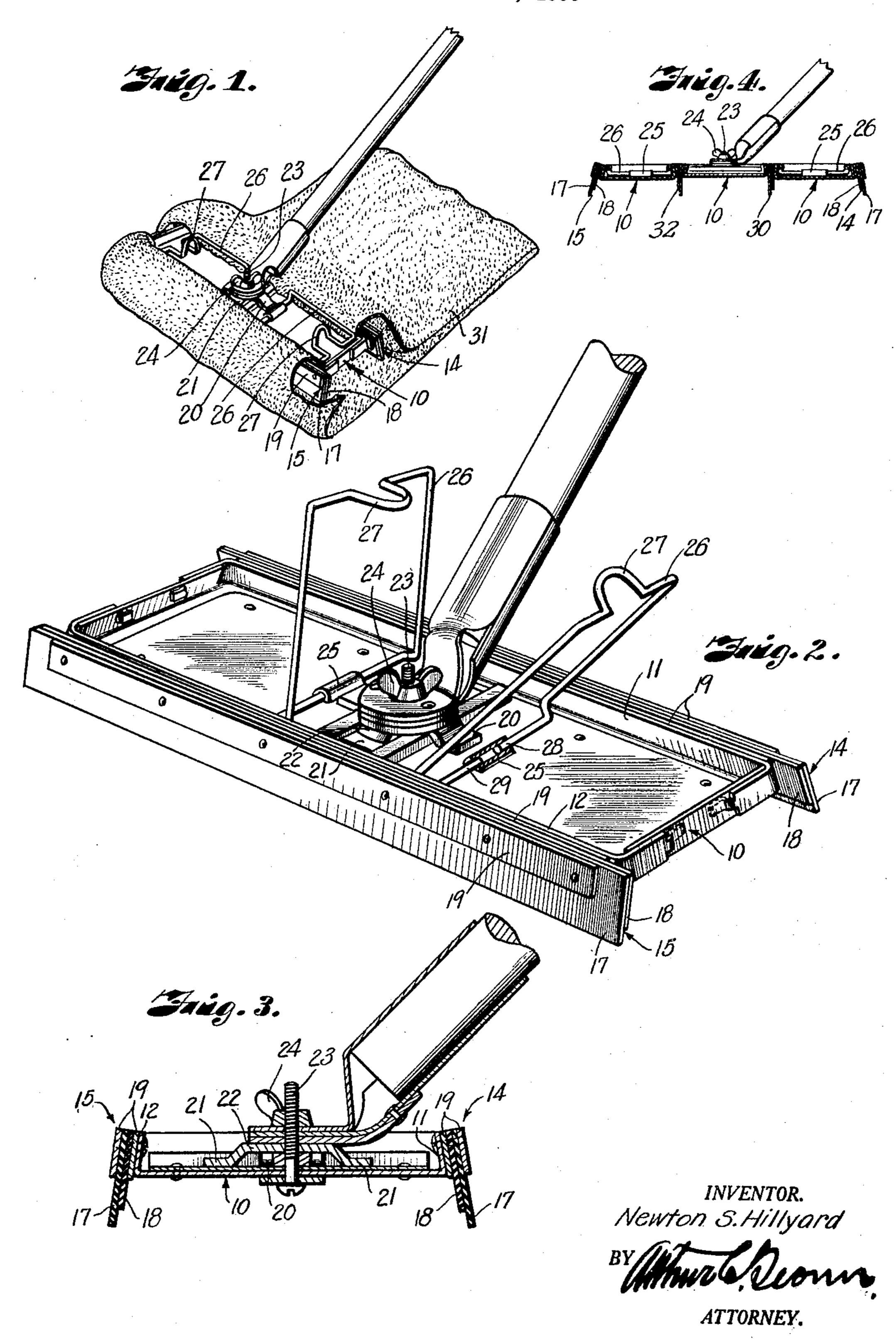
MOP

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NEWTON S. HILLYARD, OF ST. JOSEPH, MISSOURI

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This invention relates to mops in general, and more particularly to one adapted to clean and polish hard wood floors or the like.

It is an object of the invention to provide a mop which will clean and polish a floor without the objectionable feature of having to use a liquid on the surface of the floor.

The invention comprehends the use of a plurality of squeegees operating on top of a piece of cloth material, such as terry cloth; the terry cloth being secured to the mop and stretched tightly by the squeegees against the surface being cleaned.

In the drawing, in which like numerals indicate like parts throughout the several

views:

assembled mop with the cloth clamped in place.

Fig. 2 is a perspective view, partly in section, of the mop, showing the clamps in unclamped position.

Fig. 3 is a cross sectional view through the center of the mop showing the squeegees and the handle construction.

Fig. 4 is a cross sectional view of a modification of the invention, using a plurality

of units such as shown in Fig. 1.

Referring to Fig. 2, 10 indicates a base which may be of any suitable material such as wood, or, as shown, of sheet metal pressed into shape to form side flanges 11 and 12. The sides 11 and 12 are preferably made their entire length for clearing the inclined 85 parallel longitudinally and inclined up- upper edges of the base when the holders wardly and inwardly to form inclined sup- are moved into position, shown in Fig. 2.

3 and comprises a pair of flexible members two squeegees. The ends of the cloth are 17 and 18, the outer one being slightly placed on the base and clamped down, leavand 18 may be of rubber, felt or other flex- in Fig. 1. ible material, although rubber is preferable and found to be quite satisfactory in service. and found to be quite satisfactory in service. The flexible members 17 and 18 are clamped 1, connected together to form a mop. In between a pair of strips 19 which may be the modification, the two central squeegees riveted to form a permanent structure. The

In Fig. 3 it will be noted that the squeegees 14 and 15 are parallel longitudinally to each other and tilted at an angle to each other to correspond with the slopes given the sides 11 and 12 of the base. If desired, ⁵⁵ the mop may be made with the squeegees vertical as this form will also give satisfactory results.

The handle construction is shown in Figs. 2 and 3. As shown, the handle fastener is 60 connected to the base by a pair of feet 20 and 21 which terminate in a ring portion 22 having an opening therethrough for the insertion of a screw 23 through the base. The handle socket is fastened onto the annular 65 portion 22 by means of the screw 23 and a thumb nut 24. The particular design of the Fig. 1 is a perspective view showing the handle forms no part of the present invention, and the handle may be fixed rigid or pivoted as desired.

Attached to the base 10 are sleeve members 25 which accommodate the cloth holders 26. The holders 26 may be formed of spring wire bent into a rectangular loop having approximately parallel side bars, which have an inherent tendency to spring outwardly against the sides of the base 10. The holders are provided with finger loops 27 which give spring to the outer end bars of the holders. The free ends 28 and 29 of the wire forming the holders are spaced apart in the sleeve members to permit the side bars to spring inwardly throughout

ports for the squeegees 14 and 15. The cloth 31 is preferably of considerably The squeegee construction is shown in Fig. greater length than the distance between the longer than the inner one. The members 17 ing considerable slack in the cloth as shown

32 and 30 are preferably made vertical, assembled squeegee construction may be at- whereas the outer squeegees numbers 14 and tached to the base 10 by any suitable means such as the screws shown in Fig. 3.

15 are made sloping outwardly and downwardly and the squeegees wardly in the same manner as the squeegees 14 and 15 in Fig. 2. In other respects the each of said seats and having wiping edges

any liquid polish or cleaner, and then wrung out until practically dry. The mop may then be used on any polished floor by placing the cloth on the floor and the squeegees ends tucked over and under the inclined on top thereof, and rubbing back and forth. walls of said side flanges to be secured by 10 The squeegees form areas of concentrated said bar portions. pressure, forcing the cloth down into the 4. In a device of the character described, crevices and drawing therefrom any dirt a base member having longitudinal parallel that may be lodged. Having a plurality of side flanges, squeegee members fixed to the squeegees, the cloth does not bunch or bulge, outer faces of said flanges and having wipand is kept drawn tight between the two ow- ing edges diverging outwardly from the 80 ing to their opposite and outward inclina- lower side of the base member to stretch a tion. This is a great advantage since with cloth therebetween when pressure is applied but a single squeegee and a cloth used in to the upper side of the base member, and connection with it, the cloth has a tendency cloth clamping members on the base memto bunch and knot and the results on a whole ber and adapted to cooperate with said side 85 are very unsatisfactory.

As is apparent, the portion of the cloth directly under and between the squeegees 5. In a device of the character described, a soon becomes quite dirty and refuses to pick base member, upwardly and inwardly inbe moved along the cloth to a clean portion and the work continued without changing

or redipping the cloth.

a waxing solution and may be used to wax gageable under the inclined side flanges 95 the floor, as well as to clean it.

secure by Letters Patent is:

a rectangular shaped base member, upward- clined side flanges. bars extending longitudinally and cooperating with said flanges to clamp the ends of the mop cloth to the base member.

2. In a device of the character described, a rectangular shaped base member having upwardly and inwardly extending side flanges to form inwardly inclined walls, transverse bar portions, said transverse bar 115 flanges in diverging relation to each other, the ends of the parallel side bar portions a mop cloth having substantially greater against the inclined side flanges. length than the width of said base member, In and extending across said squeegees, and ture. clamp members pivoted to said base member and having side portions engageable with said inclined walls to clamp the ends of said mop cloth between said portions and the walls.

3. In a device of the character described, a base member having upwardly and inwardly inclined side flanges to form exterior outwardly sloping seats and inwardly sloping inner walls, a squeegee supported on

operation of the mop shown in Fig. 4 is extending outwardly and angularly from similar to that shown in Fig. 2. each other, cloth clamping members carried In operation the cloth may be dipped in by the base and having portions engaging under the inclined walls of said side flanges, 70 and a mop cloth extending across the wiping edges of the squeegees and having its

flanges to secure the cloth to the base member.

up further dirt. The squeegees may then clined side flanges on the base member and 90 cloth clamping members pivoted transversely of said flanges on the base member comprising rectangular shaped wire loop por-If desired the mop may be sprayed with tions having parallel side bar portions enand having transverse bar portions, and What is claimed as new and desired to means formed in the transverse bar portions to yieldingly retain the ends of the 1. In a device of the character described, parallel side bar portions against the in-

ly and inwardly extending side flanges on 6. In a device of the character described, the base member, squeegees fixed to the outer a base member having upwardly and inwardfaces of said flanges in diverging relation ly inclined longitudinal parallel side flanges, to each other, a mop cloth extending across a resilient member fixed to each of said and over said squeegees, and rectangular flanges and having wiping edges inclined 105 loop shaped clamp members pivoted to said downwardly and outwardly of the base base member on its upper side and trans- member to stretch a cloth therebetween versely of said squeegees and having side when pressure is applied to the upper side of the base member, cloth and clamping members pivoted transversely of said flanges 110 on the upper side of the base member comprising rectangular resilient wire loops having parallel side bar portions engageable under the inclined side flanges and having squeegees fixed to the outer faces of said portion being formed to yieldingly retain

In testimony whereof I affix my signa-

NEWTON S. HILLYARD.

125

130