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(54) Mop adaptable to brooms and brushes

(57) This invention refers to a mop which can be adapted to brooms, brushes and similar tools comprising a long handle with a cleaning element fixed to one end and the evident purpose of which is to permit said cleaning tools to be transformed from their general purpose of sweeping into authentic mops for removing dust. The pur-

pose of the invention is to use a type of bag made from any textile material, however, preferably of a material suitable for absorbing dust, which shall be incorporated round the brush or broom in question, which will be housed in its interior.

Description**OBJECT OF THE INVENTION**

[0001] This invention refers to a mop which can be adapted to brooms, brushes and similar tools, comprising a long handle with a cleaning element fixed to one end, the evident purpose of which is to permit said cleaning tools to be transformed from their general purpose of sweeping into authentic mops for removing dust.

[0002] The purpose of the invention is to use a type of bag made from any textile material, however preferably of a material suitable for absorbing dust, which shall be incorporated round the brush or broom in question which will be housed in its interior.

BACKGROUND TO THE INVENTION

[0003] There is a certain kind of conventional mop comprising a long handle with a textile type brush element which is passed over the floor and, due to its component material, dust adheres to the mop, thus removing it from the floor surface.

[0004] There are various models of this type of mop, however, all comprise a handle and a textile terminal which acts as a mop.

[0005] However, other conventional items are also required for effective cleaning, such as conventional brooms or bristle brushes.

[0006] Therefore, and for adequate cleaning it is necessary to use on one hand, a brush for solid residues and a mop to eliminate the dust, which means dual costs and space for storing the items, and the latter is not frequently at a premium, given the reduced dimensions of most of today's homes.

[0007] In order to mitigate this problem, a mop without a handle has been devised, which is placed directly onto the broom or brush, thus it is used to remove dust, and when it is removed, the brush can be used as a conventional sweeping implement.

[0008] Thus, with a single item, namely the brush and the addition of a cloth or covering sleeve, we have the two classic cleaning elements of brush and dust mop in one.

DESCRIPTION OF THE INVENTION

[0009] The mop described in this invention, based on the description in the previous paragraph, has some particular features giving rise to advantages of both structure and use, including that of reducing storage space.

[0010] More specifically, the mop which is the object of this invention consists of a rectangular cloth, preferably made from textile material susceptible to collecting dust, which will be folded longitudinally on its central part, with one of its smaller sides sewn on both faces as well as halfway along both upper sides, so that only half of it is open, thus forming a bag, which, in order to close it on

its unsewn side will be provided with strips of adhesive material, while the other small side will remain open, thus forming a type of bag which shall be placed over the broom or brush.

DESCRIPTION OF THE FIGURES

[0011] In order to complete this description and to enable a greater understanding of the characteristics of the invention, in accordance with a practical preferred embodiment thereof, a set of drawings are attached which form an integral part of this description and which are illustrative but not restrictive of the invention, and which represent as follows:

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Figure 1.- Shows a front view of the mop partially opened.

Figure 2.- Corresponds to the same view of the previous figure however with a brush in its interior.

Figure 3.- Shows the closed mop containing the brush in its interior, in the form in which it will be used.

PREFERRED EMBODIMENT OF THE INVENTION

[0012] As may be seen in the aforementioned figures, the mop which is the object of this invention comprises a rectangular cloth made from an appropriate textile material and formed by two equal faces (1,2) folded through a central par (3) and with one of its small sides (4) sewn along a seam(6) as well as halfway along its upper longitudinal edge (5) which joins the edges of the parts (1,2) and does so through the seam(7).

[0013] In this way, as may be seen in figures 1 and 2 of the attached drawing, one half of the mop remains open configured in this way as a bag, and with its facing edges being provided with respective strips (8) of adhesive material.

[0014] With this mop arrangement and for a rational use thereof, the appropriate conventional brush (9) shall be placed inside it as illustrated in figure 2 of the plan, and subsequently having placed the open halves (1,2) facing each other and having ensured that the adhesive strips (8) adhere to each other through pressure, so that the mop remains firmly attached to the brush without any possibility of the arrangement from dismantling.

[0015] With this arrangement of the mop covering the brush as shown in figure 3, we are able to obtain a cleaning tool for collecting dust and which permits a dual use, both as mop, and when this is removed, as a brush.

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Claims

1. Mop which may be adapted to brooms and brushes **characterised in that** it consists of a rectangular cloth made from an appropriate textile, formed by two halves (1,2) folded on a common longitudinal spine (3) with one of its smaller sides (4) closed by

means of sewn seam (6) and also sewn halfway along (5) its upper border which is provided with a second seam (7) so that half of the mop is closed, with the other half being open so that the base of a brush (9) may be placed inside and closing the mop by means of strips of adhesive material (8) sewn on the inside of the free edges, and the brush is retained in its interior, ready to be used as a mop for taking up dust. 5

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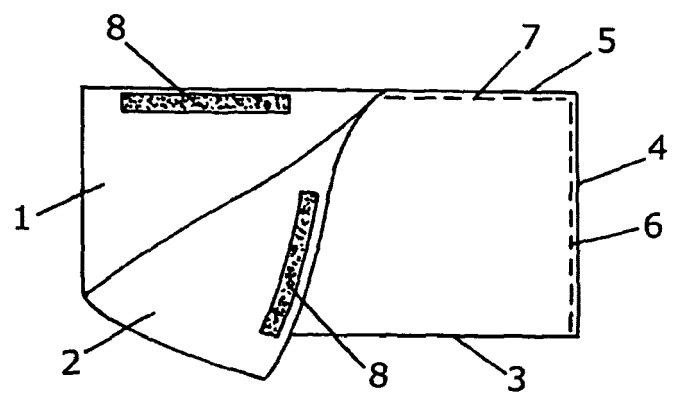


FIG.1

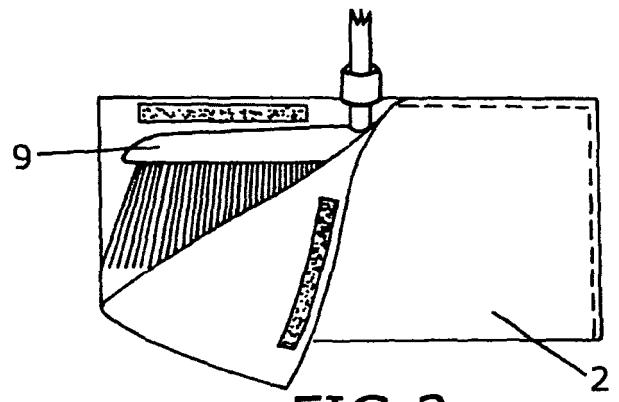


FIG.2

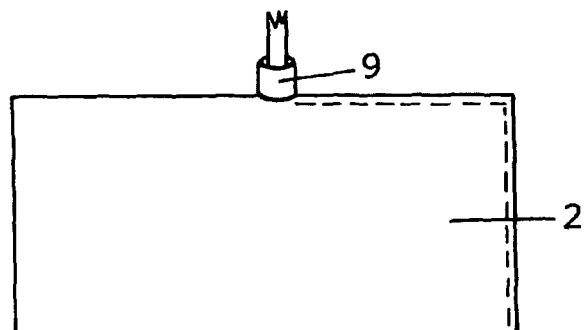


FIG.3



EUROPEAN SEARCH REPORT

Application Number
EP 09 38 2118

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 5 177 831 A (WIRTH DAVID L [US]) 12 January 1993 (1993-01-12) * the whole document * -----	1	INV. A47L13/20 A47L13/44
X	DE 200 12 226 U1 (GRABARITS DIETER [DE]) 14 December 2000 (2000-12-14) * page 1, line 6 - line 9 * * page 1, line 17 - line 21 * * page 4, line 21 - page 5, line 22 * * page 6, line 19 - page 8, line 2; figures 3,4 * -----	1	
X	DE 43 12 522 A1 (HENKEL ECOLAB GMBH & CO OHG [DE]) 20 October 1994 (1994-10-20) * column 1, line 3 - line 9 * * column 3, line 56 - column 4, paragraph 13 * * figure 2 * -----	1	
X	FR 1 147 277 A (WABI SA) 21 November 1957 (1957-11-21) * page 1, left-hand column, line 26 - page 1, right-hand column, line 18 * * page 1, right-hand column, line 28 - line 39 * * page 2, left-hand column, line 23 - line 28 * * figures 1-3 * -----	1	TECHNICAL FIELDS SEARCHED (IPC)
X	US 2005/160550 A1 (REEVES JOSEPH M [US]) 28 July 2005 (2005-07-28) * the whole document * -----	1	A47L
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The present search report has been drawn up for all claims			
1	Place of search Munich	Date of completion of the search 6 November 2009	Examiner Redelsperger, C
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 38 2118

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-11-2009

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