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(71) Applicant: Almeida Goncalves, Bruno Miguel
6230 Fundao (PT)

(72) Inventor: Gonçalves, Fernando Nogueira
6230 Fundao (PT)

(54) Articulated gadget to hinder the entrance of water in buildings

(57) This invention concerns a gadget to stagnate water in case of flooding and it is essentially characterized by its two articulate plates (1) that form an angle between them + 0° up to - 180°. Each plate is surrounded by a rubber outline (4) in at least three sides; being tied together through at least two hinges (2) functioning

as an axis, allowing its articulations. It has at least an extendable / reducible element of horizontal action (3) that, when activated, will alter the angle between the plates, pressing the rubber of the sides against the doorposts. The extendable / reducible elements (5) when activated will hinder the entrance of water through the pressure of the gadget the doorposts.

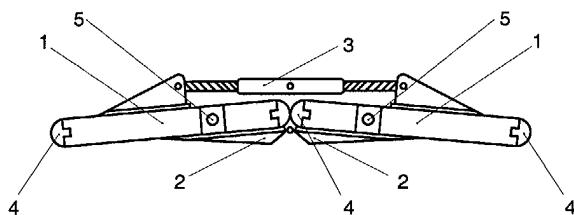


Fig. 2

Description

[0001] This invention corresponds to a gadget that may be used in case of floods or to prevent them in most part of the buildings.

[0002] We all know of the tragedy that almost every years affects waterside populations because the rivers overflow or simply because it rains too much. Too many houses and stores get flooded and there are too many damages and too little power to solve the problem. This is a problem that happens more than often.

[0003] The known solutions as sand bags and others haven't proved effective. Other possible solutions, apart from making it compulsory to change the façade of buildings they are difficult to put in practice because the process might take to a long time.

[0004] To solve this problem we have created a gadget that is easy to assemble by anyone and it doesn't ask for any changes in buildings.

[0005] For a better understanding of the description we present the drawings of the gadget that we want to protect.

Figure 1 shows the gadget in a front position.

Figure 2 shows the gadget seen from above with the horizontal extension / reducer, applied to function from the outside of the buildings.

Figure 3 shows the gadget also seen from above but with the horizontal extension / reducer to function from the inside of the building.

[0006] As we can see this gadget is made of two impervious plates with a variable width and height (1), to match the width and height of the place where they will be needed. These plates will be placed between the doorposts and at the shop windows or other existing openings.

[0007] These plates are surrounded in their limits at least in three sides with a rubber outline (4) and are interconnected through two hinges (2) that, functioning as an axis, will allow their articulation up to the maximum of 180°, after the activation of one or more extendable / reducible elements (3). Thus, we will reach side impermeability. The extendable / reducible elements (5) activated and placed between the gadget and lintel of a door will press the gadget against the threshold thus hindering the entrance of water near the threshold.

[0008] The gadget presented in the pictures shall not be considered limitative either in what concerns its specific functions or its form; we can develop other variables according to the principles of angular opening between plates to be used according to the products or places to be made impervious. This gadget can be used in traditional irrigation, the division of spaces for animals, granaries for several products such as cereals, olives, etc.

Claims

1. Removable articulated gadget to hinder the entrance of water in homes, shops or in industries in case of flooding, **characterized by** having two articulated plates that form an angle between them superior to 0° and inferior to 180°.

2. Removable articulated gadget to hinder the entrance of water in homes, shops or industries in case of flooding, according to the previous claim, **characterized by** having at least one extendable / reducible element to provoke the angular opening or closing between the plates.

3. Removable articulated gadget to hinder the entrance of water in homes, shops or in industries in case of flooding, according to the previous claims, **characterized by** having at least two hinges functioning as an axis between the plates.

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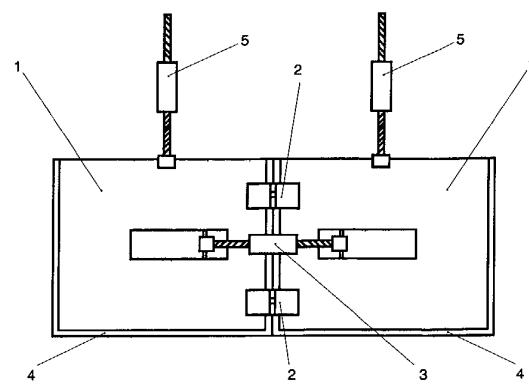


Fig. 1

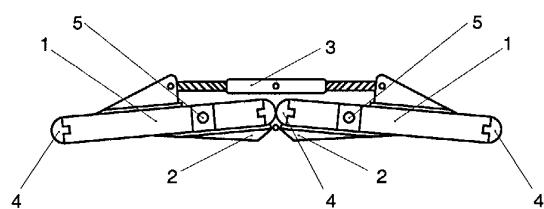


Fig. 2

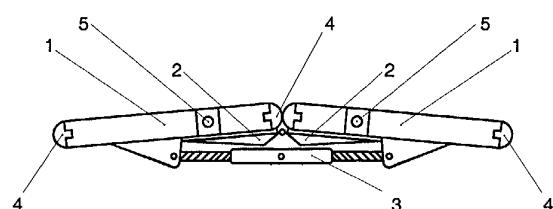


Fig. 3



DOCUMENTS CONSIDERED TO BE RELEVANT													
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)										
A	GB 2 114 197 A (PETTY BRIAN) 17 August 1983 (1983-08-17) * the whole document * -----		E06B9/00										
A	FR 2 562 944 A (QUENDERFF JEAN PHILIPPE) 18 October 1985 (1985-10-18) * the whole document * -----												
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)										
			E06B										
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>MUNICH</td> <td>19 September 2002</td> <td>Knerr, G</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	MUNICH	19 September 2002	Knerr, G				
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<p>CATEGORY OF CITED DOCUMENTS</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">X : particularly relevant if taken alone</td> <td style="width: 33%;">T : theory or principle underlying the invention</td> </tr> <tr> <td>Y : particularly relevant if combined with another document of the same category</td> <td>E : earlier patent document, but published on, or after the filing date</td> </tr> <tr> <td>A : technological background</td> <td>D : document cited in the application</td> </tr> <tr> <td>O : non-written disclosure</td> <td>L : document cited for other reasons</td> </tr> <tr> <td>P : intermediate document</td> <td>& : member of the same patent family, corresponding document</td> </tr> </table>				X : particularly relevant if taken alone	T : theory or principle underlying the invention	Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date	A : technological background	D : document cited in the application	O : non-written disclosure	L : document cited for other reasons	P : intermediate document	& : member of the same patent family, corresponding document
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