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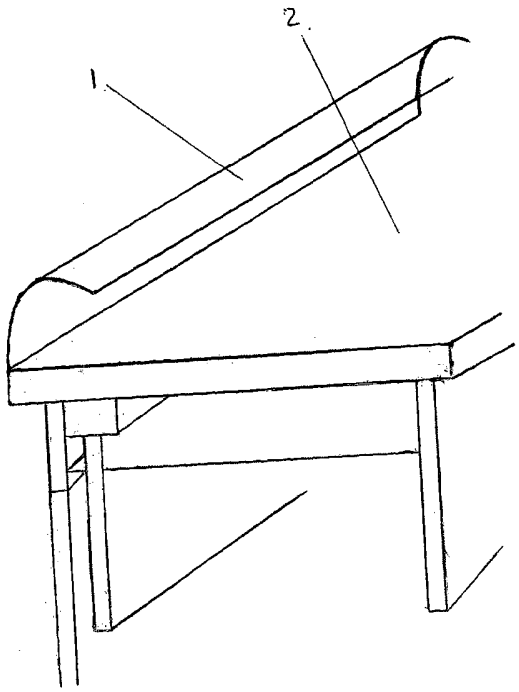
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DE 202009002148 U1 **JP 2009195524 A**
JP 2008012266 A **JP 2005105547 A**
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(58) Field of Search:
INT CL **A47B, A47G**
Other: **Online: EPODOC, WPI**

(54) Title of the Invention: **Kitchen work top safety barrier**
Abstract Title: **Kitchen worktop safety barrier**

(57) A safety barrier 1 is supported from the front edge of a kitchen worktop 2. The barrier 1 may be secured to the work surface by barrier supports (4, figure 2) which are affixed to the work top 2 and into which the barrier 1 is inserted. A barrier (1 figure 9) may also be secured to the front panel (3, figure 9) of a drawer in the unit immediately below the worktop (2, figure 9). The barrier 1 is intended to prevent access to the work top 2 and/or cooker hot plates. The barrier 1 may also shield pots, pans, kettles or food from the view of children and also prevent individuals from reaching such objects. The barrier 1 may be used to protect selected areas of the worktop 2, the complete worktop, and 'built in' or 'free standing' cooker tops.

FIGURE 1.



GB 2483489 A

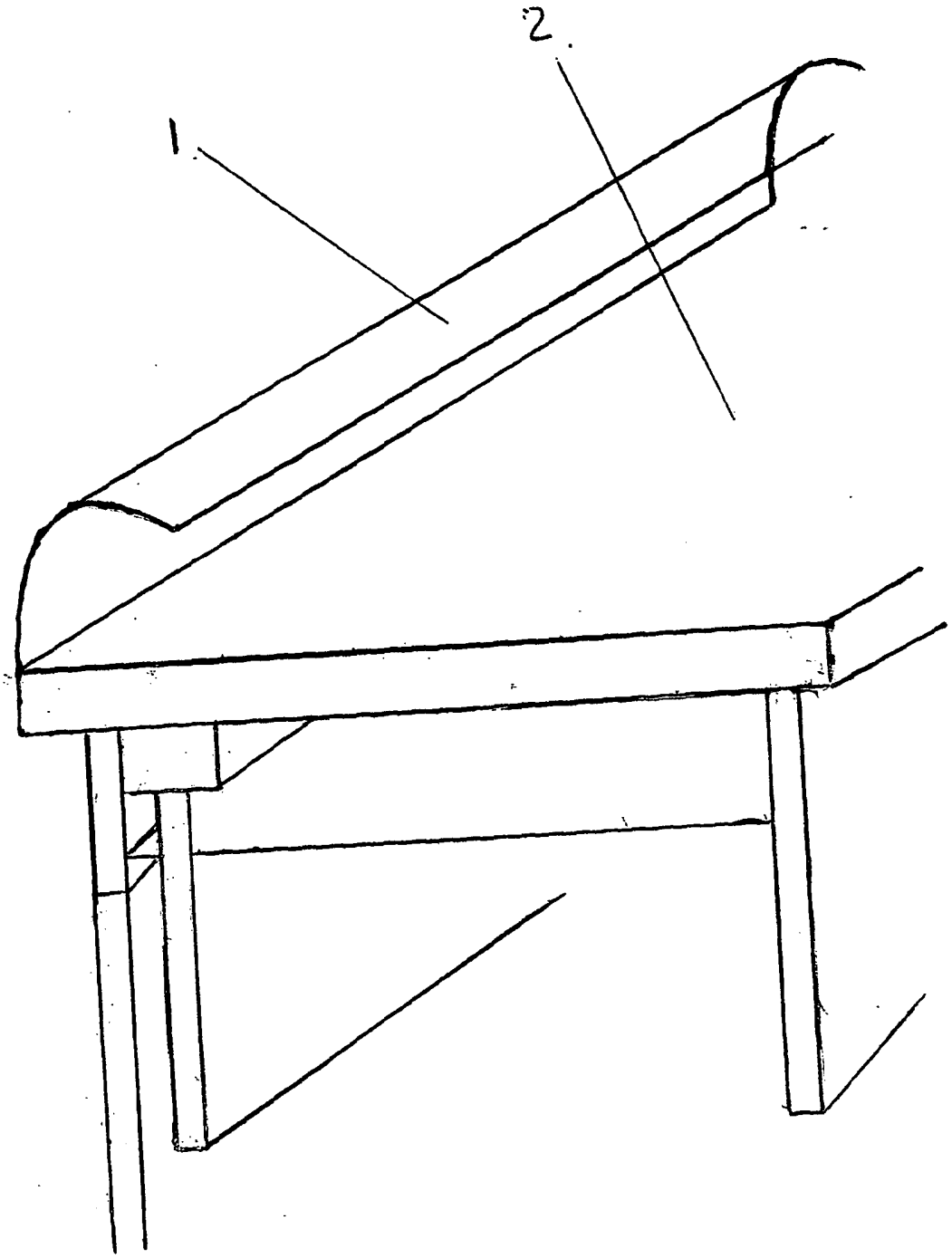


FIGURE 1.

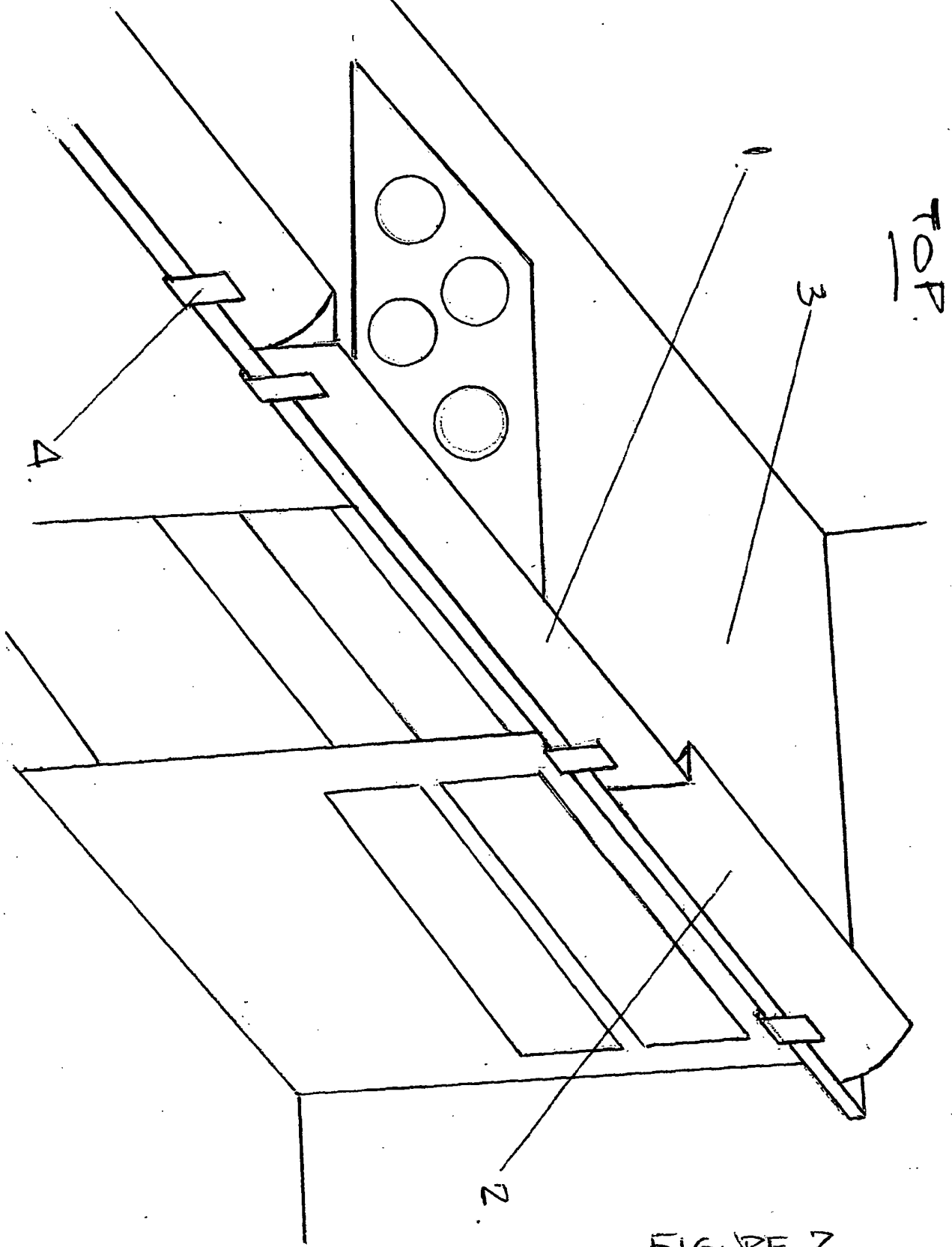


FIGURE 2.

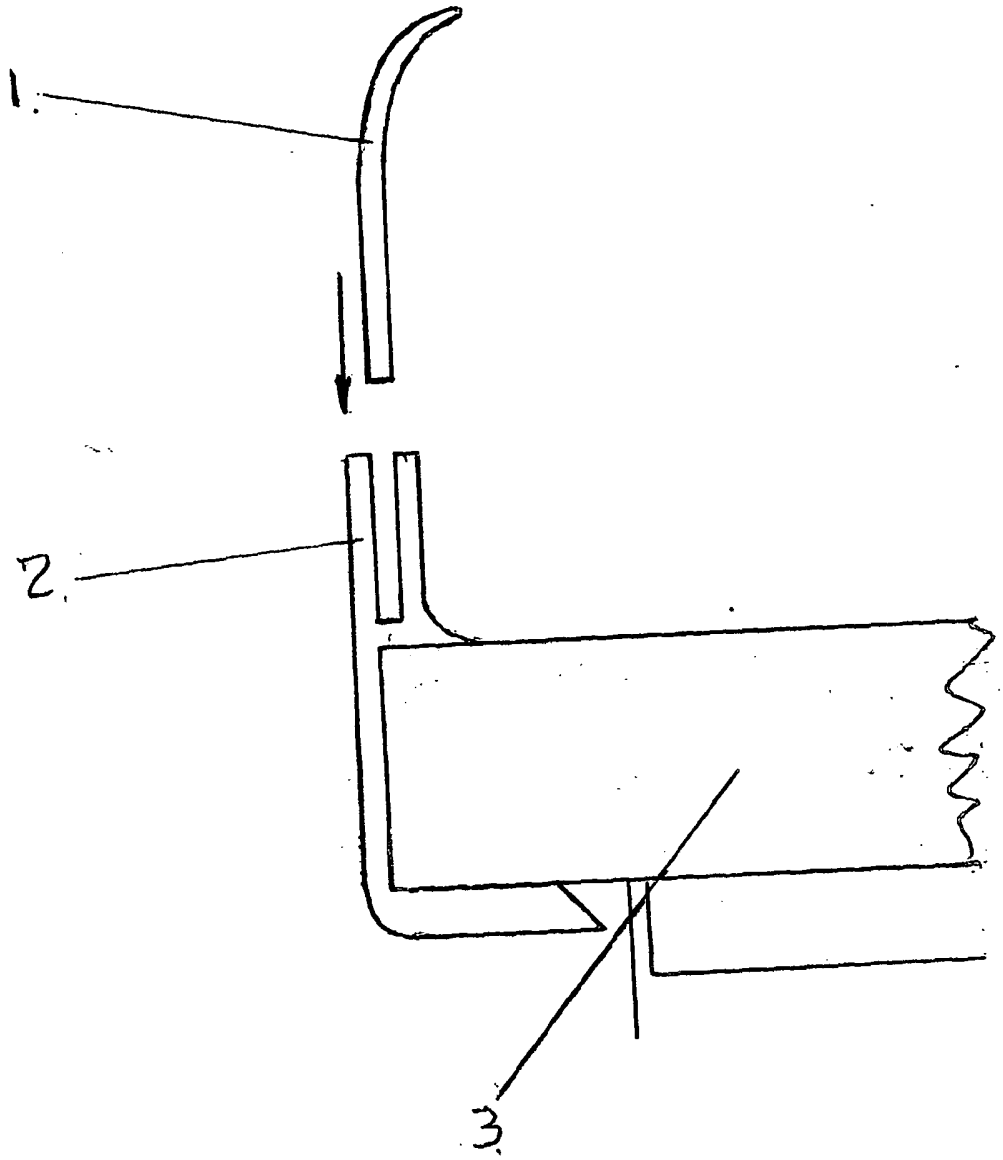


FIGURE 3

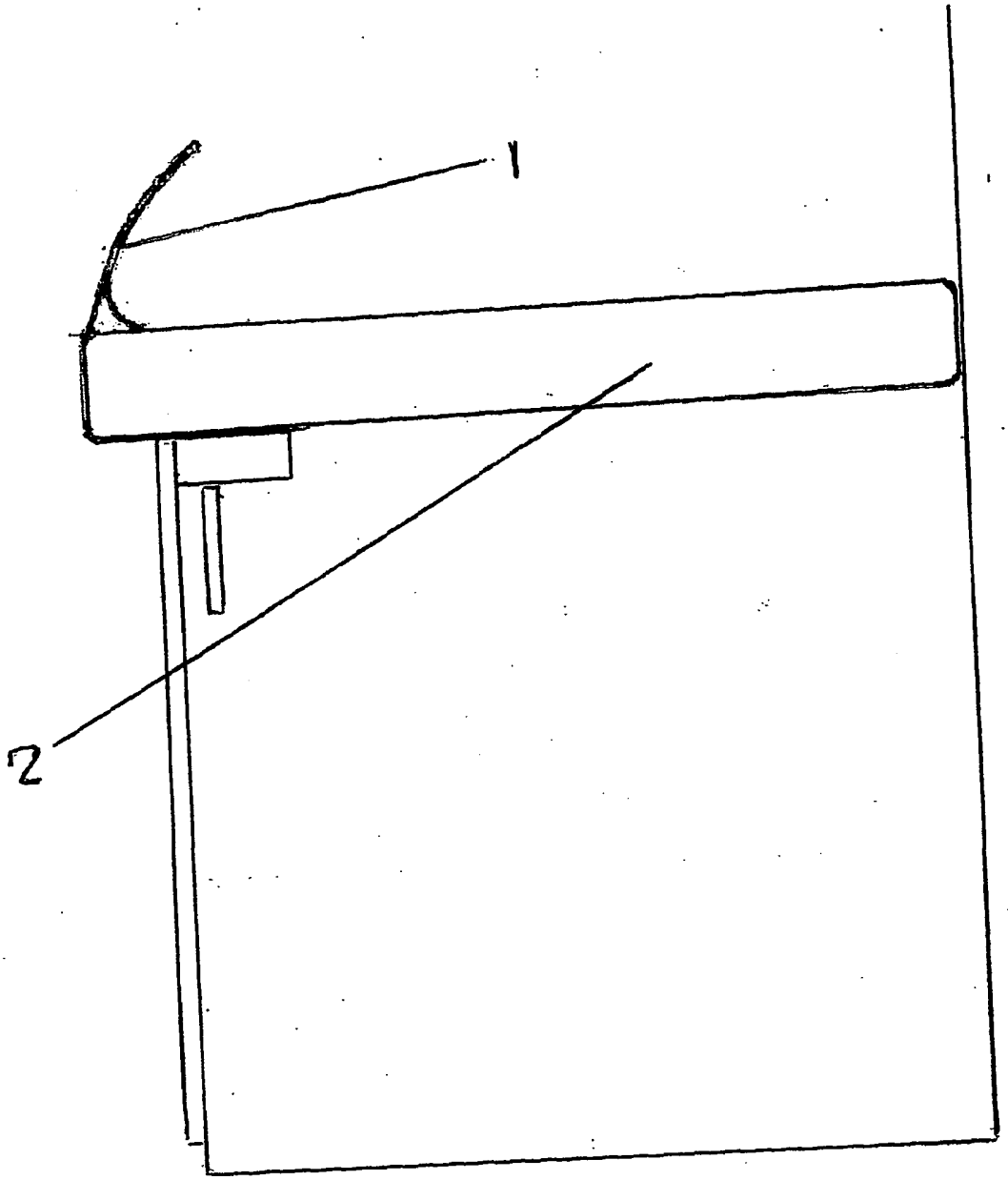


FIGURE 4

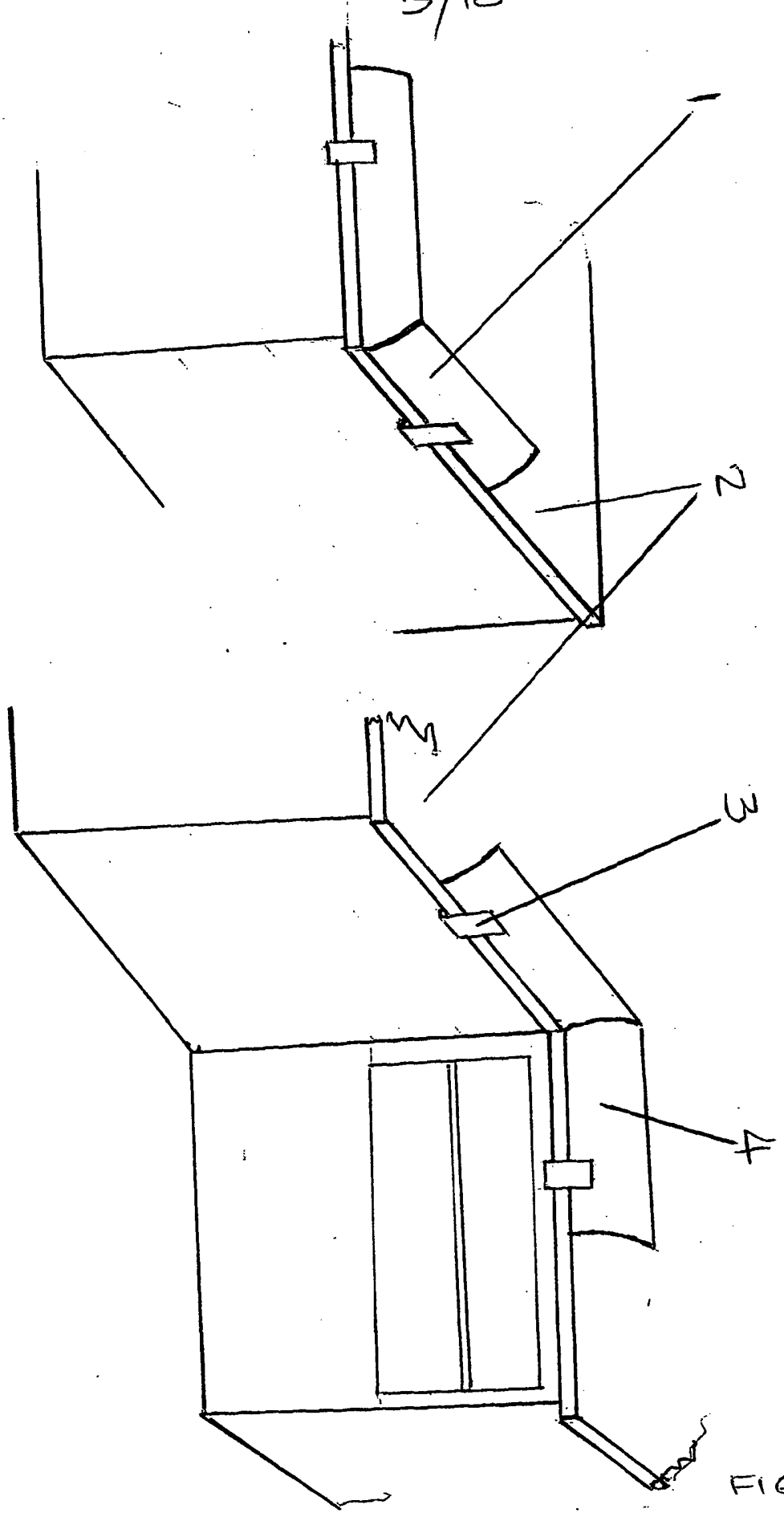


FIGURE 5.

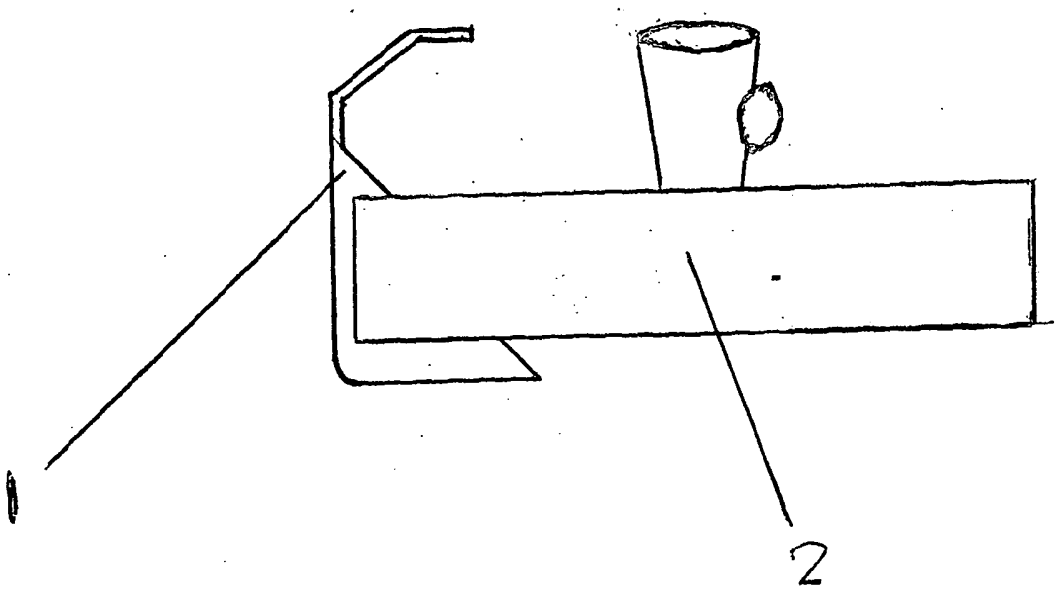


FIGURE 6

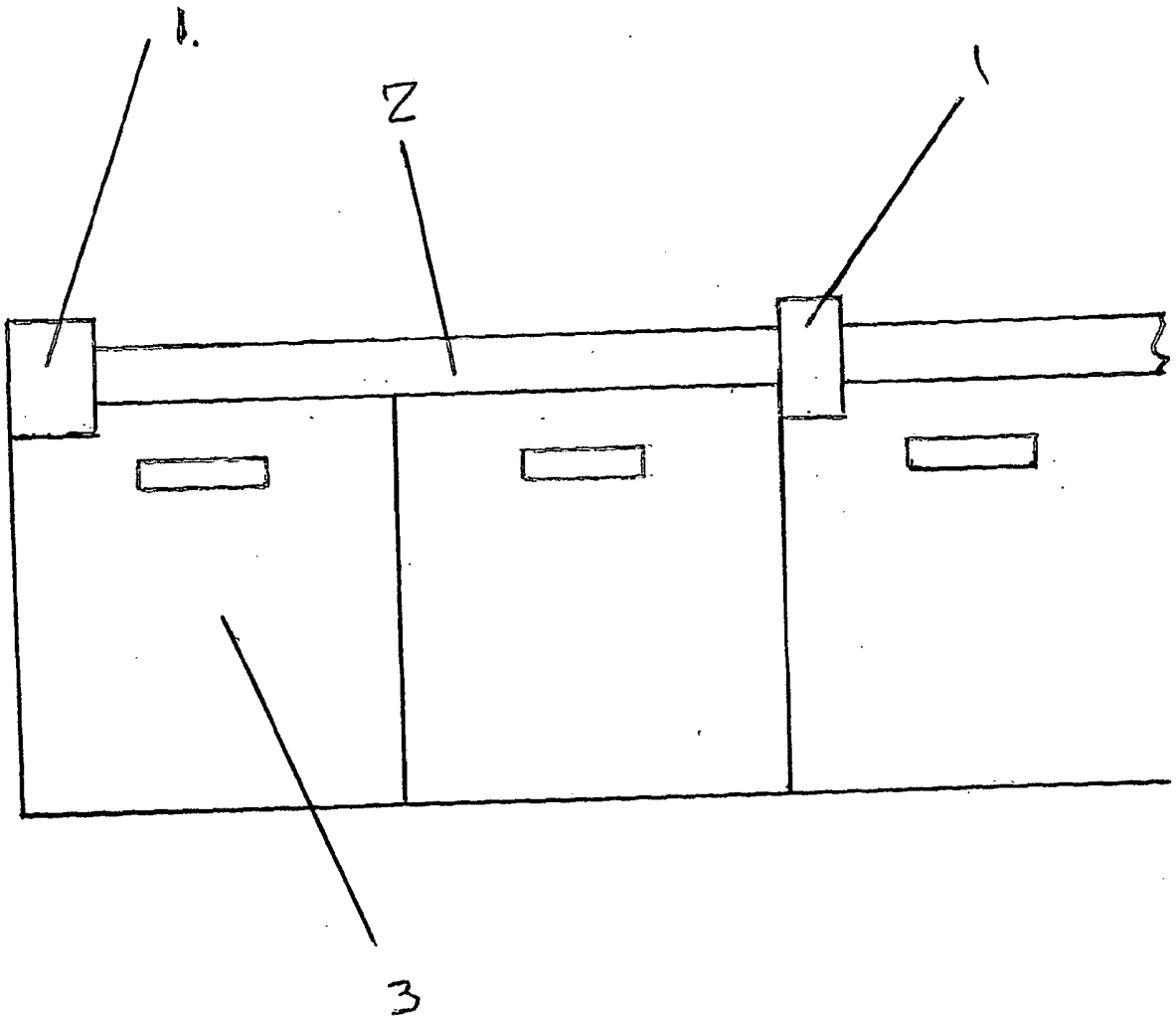


FIGURE 7

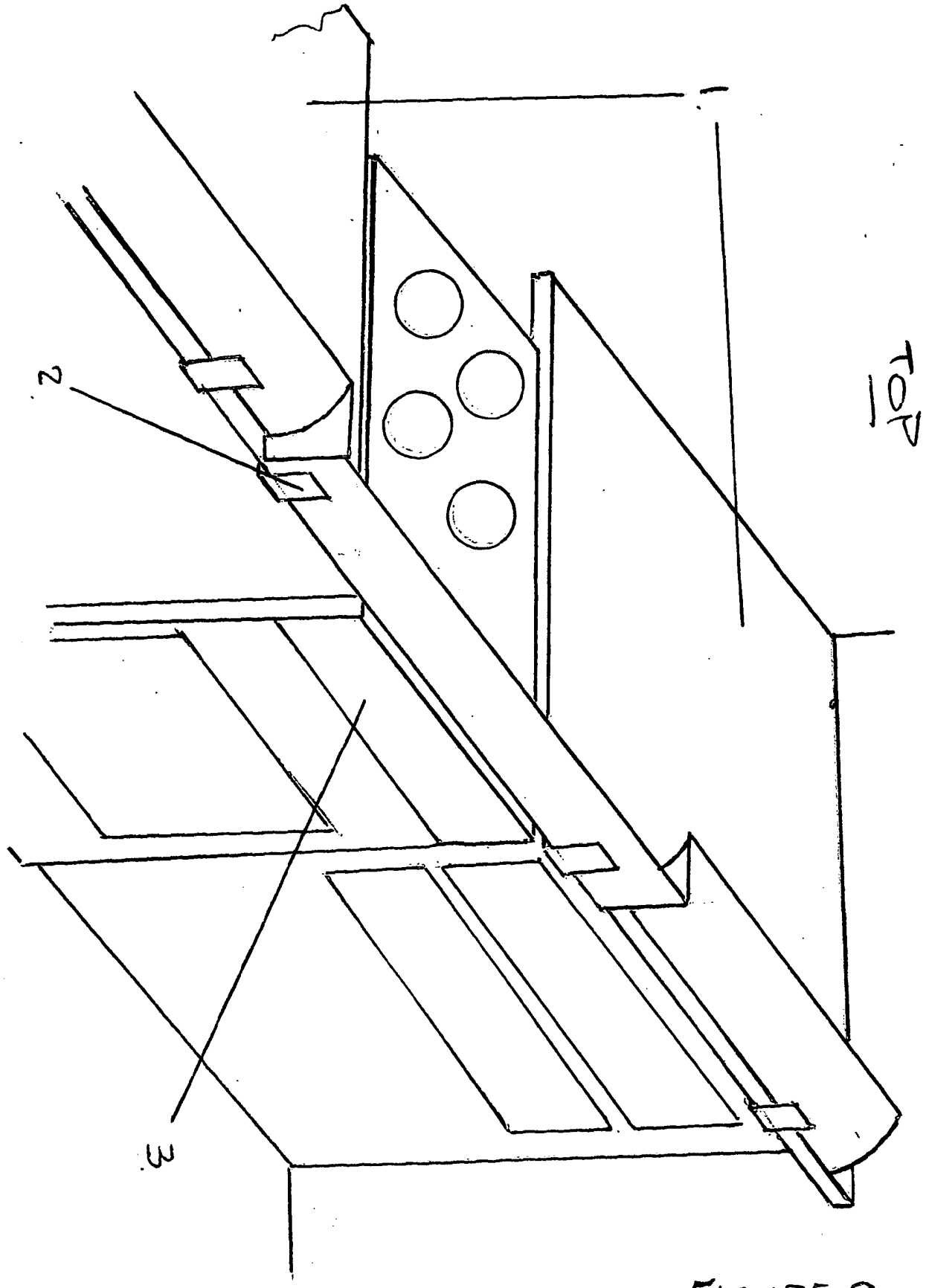


FIGURE 8

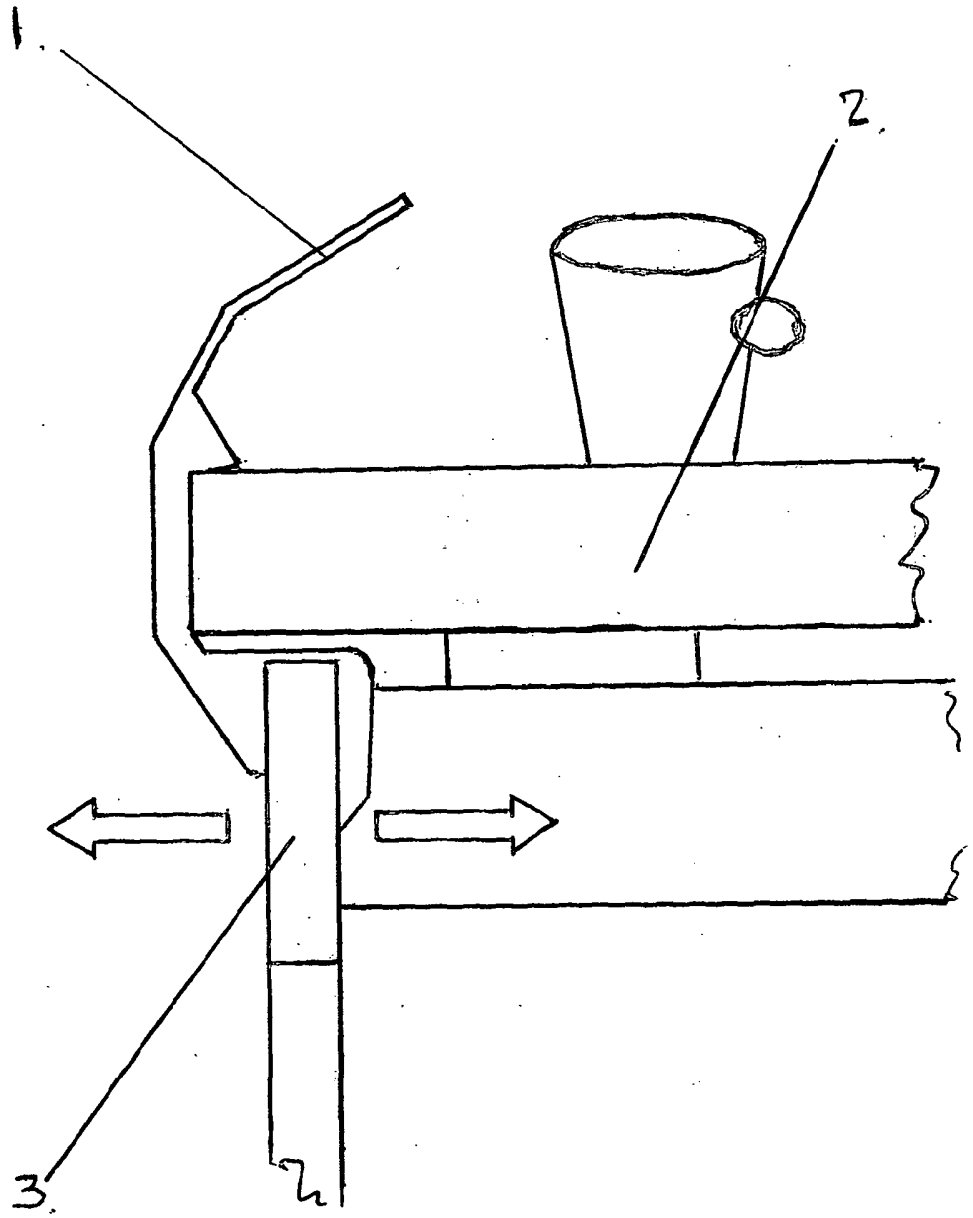


FIGURE 9.

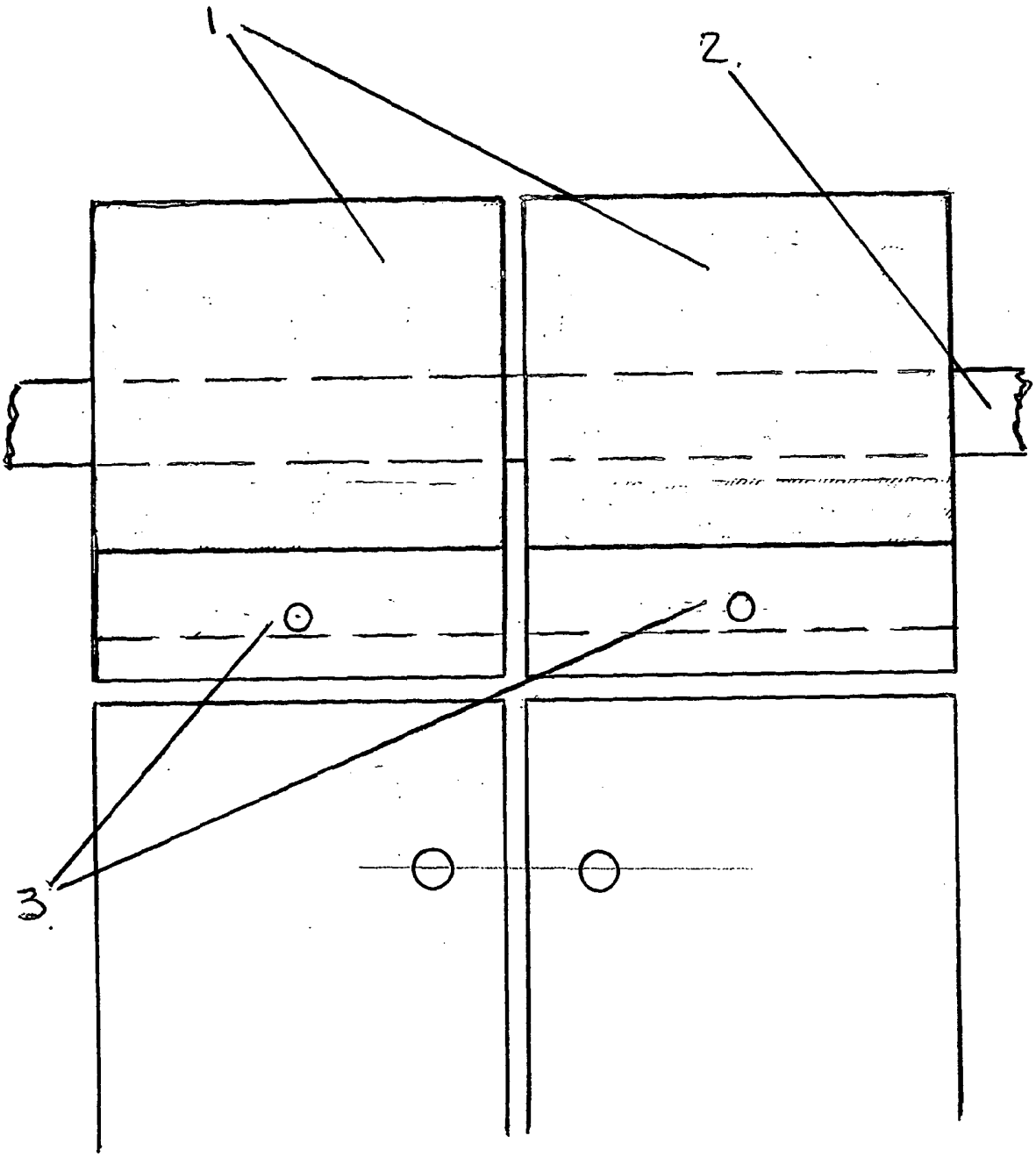


FIGURE 10.

Kitchen Worktop Safety Barrier

Statistics show that an increasing number of children suffer serious burns and scalds that occur by youngsters reaching up to the cooker top and kitchen worktops for drinks, food etc.

This easy to use Kitchen Worktop Safety Barrier has been designed to significantly reduce the number of burns and scalds to children and the elderly.

The following drawings are attached to this Specification and provide detailed design information of the Kitchen Worktop Safety Barrier.

Figure1: This layout drawing shows the general concept of the Kitchen Worktop Safety Barrier, item1, supported from the front edge of the Kitchen Worktop, item2.

Figure 2: Detail arrangement of the full Kitchen Worktop Safety Barrier showing the worktop, item 3, and the worktop shielding provided by item 2, with the enclosure shielding for the Cooker top, item 1. The protective Safety Barrier supports for both the Worktop and the Cooker top are of the same design, item 4.

Figure 3: This side view shows the design principle of the push on Kitchen Worktop Safety Barrier Support, item 2, The Worktop Barrier, item1, is inserted into the supports that are positioned along the length and ends of the worktop, item3, to suit the selected worktop areas to be protected.

Figure 4: This side view shows an alternative Kitchen Worktop Safety Barrier design which provides permanent Worktop shielding, item1. This design does not require individual Safety Barrier supports and is connected to the underside of the worktop, item 2.

Figure 5: This assembly drawing shows the Kitchen Worktop Safety Barrier internal corner shielding, item 4, and the external corner shielding, item 1, supported by the Safety Barrier supports, item 3, which are secured to the worktop, item 2.

Figure 6: This side view shows a typical alternative Kitchen Worktop Safety Barrier profile, item 1, connected to the Kitchen Worktop, item 2.

Figure 7: This front view of the kitchen units, item 3, shows a typical distribution of Kitchen Worktop Safety Barrier supports, item 1, secured to the worktop, item 2.

Figure 8: This assembly drawing shows an alternative design for the cooker top shielding of free standing cookers that protrude beyond the front surfaces of the worktop, item 3, and includes extended cooker Safety Barrier supports, item 2, connected to the worktop, item 1.

Figure 9: This assembly drawing shows an alternative Kitchen Worktop Safety Barrier design which provides worktop shielding directly above each upper kitchen drawer unit, item 3. Each section of Safety Barrier, item 1, is designed to be the same width as the kitchen drawer front and is supported by the top edge of the upper drawer front and locates with the worktop, item 2, when the drawer is closed. Each section of Safety Barrier is designed to move back and forth as the drawer is opened and closed.

Figure 10: This drawing provides a front view of the alternative design ref Figure 9 and shows the relationship between the Safety Barrier, item 1, the Kitchen Worktop, item 2 and the kitchen drawer fronts.

The Kitchen Worktop Safety Barrier system consists of various lengths of shielding supported by push on Kitchen Worktop Safety Barrier supports that are pushed onto the front and end edges of the Kitchen Worktop to suit individual shielding needs.

Kitchen Worktop Safety Barrier corner shielding can be inserted to provide a completely enclosed worktop safety barrier.

The Safety Barrier design provides a choice of shielding lengths, colours and profiles with push on Worktop Safety Barrier supports that are individually designed to suit the thickness of different worktops.

The Kitchen Worktop Safety Barrier is designed to provide either temporary or permanent worktop shielding.

Claims

1 The Kitchen Worktop Safety Barrier protects selected areas of the worktop or totally encloses the worktop.

2 The Kitchen Worktop Safety Barrier can provide temporary shielding or alternative permanent shielding of the worktop

3 The Kitchen Worktop Safety Barrier provides safety protection for 'built in' cooker tops

4 Kitchen The Worktop Safety Barrier provides safety protection for 'free standing' cooker tops that abut closely to worktops on either side of the cooker.

5 The Kitchen Worktop Safety Barrier system is designed to fit onto any thickness of kitchen worktop.

6 The Kitchen Worktop Safety Barrier is attached to the Kitchen Worktop via Safety Barrier supports that are pushed onto the edge of the Kitchen Worktop

7 The alternative design Kitchen Worktop Safety Barrier supports are attached to the top edges of kitchen drawer fronts.

8 Kitchen Worktop Safety Barrier supports designed to accept single lengths of shielding and adjoining lengths of shielding.

9 The Kitchen Worktop Safety Barrier Design provides alternative Safety Barrier cross sectional profiles.

10 The Kitchen Worktop Safety Barrier is easy to assemble and dismantle.

11 The Kitchen Worktop Safety Barrier provides a choice of Safety Barrier colours

12 The Kitchen Worktop Safety Barrier and the Safety Barrier supports manufactured from plastic or other materials.

13 The cooker top Safety Barrier to be manufactured from aluminium or other non flammable material.

Amendments to the claims have been filed as follows:

1 A Kitchen Worktop Safety Barrier that protects selected worktop areas or totally encloses the worktop and provides temporary shielding or alternative permanent shielding of the worktop.

2 A Kitchen Worktop Safety Barrier, according to claim 1, to provide safety protection for 'built in' cooker tops and safety protection for 'free standing' cooker tops that abut closely to worktops on either side of the cooker.

3 A Kitchen Worktop Safety Barrier, according to claim 1, designed to fit onto any thickness or shape of worktop.

4 A Kitchen Worktop Safety Barrier, according to claim 1, attached to the Kitchen Worktop via Safety Barrier supports that are pushed onto the edges of the Kitchen Worktop

5 An alternative design Kitchen Worktop Safety Barrier, according to claim 1, with supports attached to kitchen drawer fronts.

6 A Kitchen Worktop Safety Barrier Design, according to claim 1, that provides alternative Safety Barrier cross sectional profiles and colours.

7 A Kitchen Worktop Safety Barrier that is easy to assemble and dismantle.

8 A Kitchen Worktop Safety Barrier, according to claim 1, and the cooker top Safety Barrier supports manufactured from any suitable material.

Application No: GB1015036.5 **Examiner:** Mr Philip J. Roe

Claims searched: 1-8 **Date of search:** 7 January 2011

Patents Act 1977: Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
X	1-8	JP 2005105547 A (SAEKI); 21.04.2005; see WPI Abstract Accession No. 2005/279309-29, and all figures.
X	1-4, 6-8	WO 03/105629 A1 (HANCOCK) see whole document, especially pages 1-4.
X	1-4, 6-8	JP 2002209649 A (MATSUSHITA ELECTRIC WORKS LTD); 30.07.2002; see WPI Abstract Accession No. 2003/396559-38, and all figures.
X	1-4, 6-8	JP 2009195524 A (OKAMURA MFG CO LTD); 03.09.2009; see WPI Abstract Accession No. 2009/N14468-59, and all figures.
X	1-4	DE 202009002148 U1 (HEYNEN); 16.07.2009; see WPI Abstract Accession No. 2009/L44703-48, and figure.
X	1-3, 6-8	DE 10055015 A1 (HAKEMANN); 08.05.2002; see WPI Abstract Accession No. 2002/395880-43, and figure.
X	1-3, 6-8	JP 2008012266 A (BUN DESIGN JIMUSHO KK); 24.01.2008; see WPI Abstract Accession No. 2008/B87059-14, and all figures.
X	1-3	US 2006/0192467 A1 (MATUS Jr.) see whole document, especially para [0009] and figure 1A.

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC[X] :

Worldwide search of patent documents classified in the following areas of the IPC

A47B; A47G

The following online and other databases have been used in the preparation of this search report

EPODOC, WPI

International Classification:

Subclass	Subgroup	Valid From
A47B	0096/18	01/01/2006
A47B	0077/02	01/01/2006