

Title of Invention: Safety Linkage (Laundry stick pivotal mount)

Description:

The safety linkage (SL-1) is invented to reduce body strain of a person doing the job of hanging laundry on laundry stick outside any high-rise residential building. A person's body suffers great strain while lifting a wet and fully loaded laundry stick horizontally out of a high-rise building before inserting it into the laundry stick receptacle provided outside the building wall. The above task will also be dangerous for small-built and inexperience person to perform as any unbalance of body could lead to a fall off the building.

The safety linkage has the ability of changing the present horizontal way of mounting laundry stick into vertical way of mounting by allowing one of the sections to tilt upwards. The safety linkage is to be capped and secured by fasteners directly onto any laundry stick receptacle that was built during the construction of high-rise residential building. No mounting plate or base support to the external structure of the high-rise building is required as this design is only meant for buildings with integrated laundry stick receptacles.

By adding this safety linkage to the existing laundry stick receptacle, the user can easily use one hand to swing upwards the front section of the safety linkage to any comfortable angle (between horizontal and vertical positions, possibly at almost upright position which greatly reduces body strain) and simply insert the laundry stick into the front hollow section of the safety linkage. He/she needs only a small force to lower down the safety linkage together with the laundry stick to its nearly horizontal position for drying. When collecting the laundry stick back into the building, simply reverse the above steps. The safety linkage capped over the laundry stick receptacle also eliminates water being trapped in the laundry stick receptacle hence prevent breeding of mosquitoes.

As compared to those found in the search report:

- a) JP09-173693A, my invention is designed to install directly over a rigid support by capping over it and locked by commonly available fasteners, which does not require any fabricated wall-mounted bracket.
- b) JP2001-113097A, my invention is designed to install directly over a rigid support by capping over it and locked by commonly available fasteners, which does not require any wall-mounted supporting arm.
- c) GB2052967A, my invention is able to swing upwards for easy mounting of laundry stick and does not make use of any bearing bush.



The safety linkage comprising of two hollow metal sections (B, D). The aft section (B) has two larger brackets (A) welded on it and the front section (D) has two smaller brackets (E) welded on it. The aft (B) and the front sections (D) are pivotally connected by a M12 x 90 mm galvanized steel bolt/nut assembly (F) with a metal sleeve (H) through brackets A & E to form a pivoting point. The aft section (B) will be capped and held in position by two sets of M10 x 25 mm galvanized steel bolt/nut assembly (G) with welded handle (C). The front section (D) will be manually moved upwards against the pivoting point for the insertion/removal of laundry stick. At this position, the load acts on the person is very much reduced hence minimize body strain. The front section (D) has water drain-hole on it to eliminate any water traps.

Note: See attached User Guide, pages 3 & 4. See also drawings, pages 1 of 9 to 9 of 9 previously submitted.

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The claims:

The claims defining the invention are as follows:

1. A laundry stick safety link apparatus including:
 - a) A first tubular section for attachment to a fixed projection on a wall or parapet or balcony wall of a building.
 - b) Said first tubular section including:
 - i. A fastening means for removably securing the said first section to the said fixed projection; and,
 - ii. A first bracket fixed on the exterior of the first tubular section;
 - c) A second tubular section for receipt of a laundry stick and including a second bracket fixed on the exterior;

Wherein the first and second tubular sections are pivotally connected via the pivotal connection of the first and second brackets of respective first and second tubular sections.

2. A laundry stick safety link apparatus according to claim 1 wherein the said fixed projection extends substantially horizontally.
3. A laundry stick safety link apparatus according to any one of claims 1 or 2 including the first tubular section permanently fixed to the said projection.
4. A laundry stick safety link apparatus according to any one of claims 1 to 3 wherein the said second tubular section is pivotally attached to swing from a first substantially vertical position and to a second substantially horizontal position.
5. A laundry stick safety link apparatus as herein described with reference to the drawings.
6. A combination of a laundry stick safety link apparatus as herein described with reference to the drawings and a laundry stick removably attached to the said second tubular section.



