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2,486,248

SAFETY CLOTHESLINE HOOK

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Fig. 1

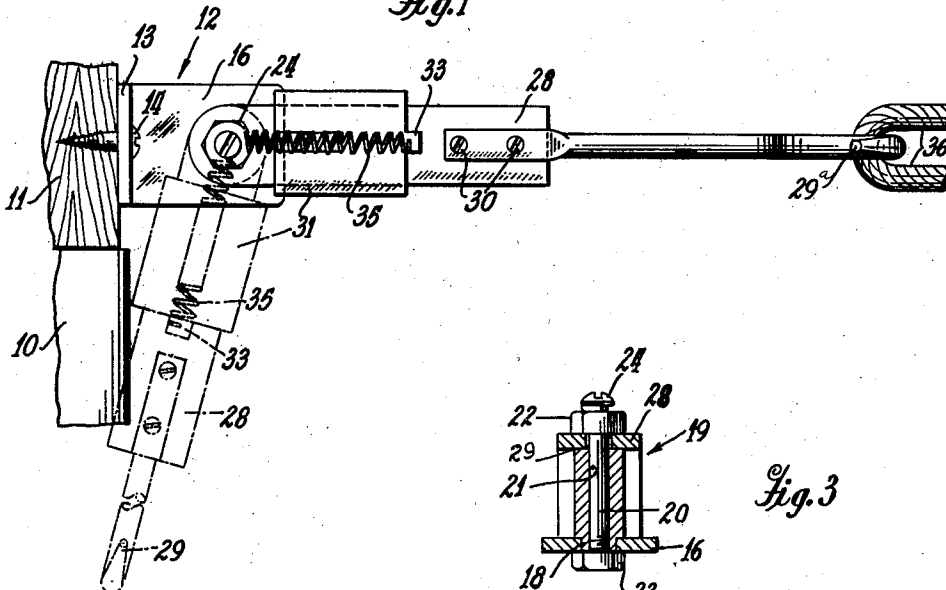


Fig. 3

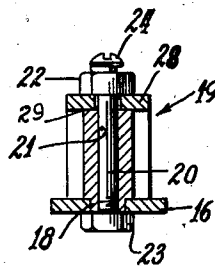


Fig. 2

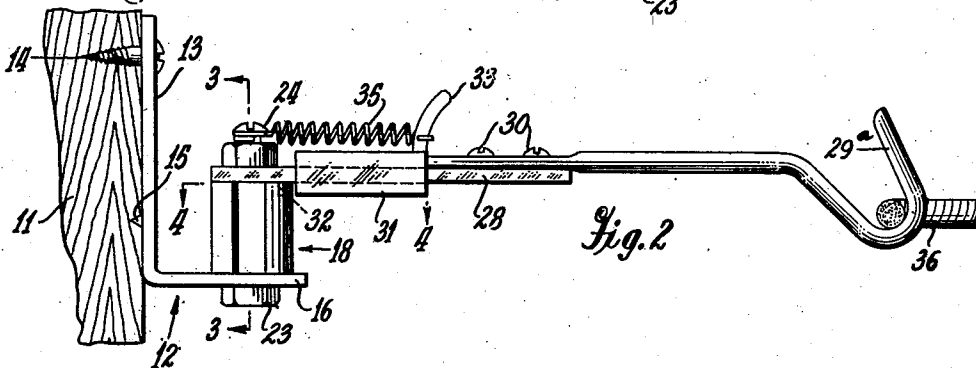


Fig. 4

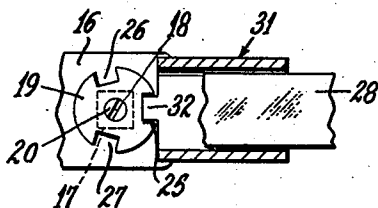
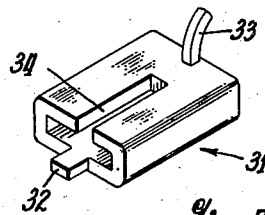


Fig. 5



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SAFETY CLOTHESLINE HOOK

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1 Claim. (Cl. 248—290)

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This invention relates to clothes line hooks of the type adapted to be secured to the side of a window, and aims to provide novel and useful improvements whereby the hook is pivoted and may be swung through an arc to bring the end of the clothes line inward for convenience to the housewife. In the case of the ordinary hook which is fixed on the side of the window, the user has to lean far out and reach over to grasp the line, and this practice involves an element of danger of losing one's balance and falling out, as well as being inconvenient in general.

Another object of the invention is the provision of means, in conjunction with the pivoted hook, for releasably locking the hook in either its normal position substantially at right angles to the wall of the house or in its swung-in position at substantially greater than a right angle to its normal position.

The above and additional and more detailed objects will become apparent in the following description, wherein characters of reference refer to like-numbered parts in the accompanying drawing. It is to be noted that the drawing is intended for the purpose of illustration only and that it is neither desired nor intended to limit the invention to any or all of the specific details of construction shown excepting insofar as they may be deemed essential to the invention.

Referring briefly to the drawing,

Fig. 1 is a fragmentary horizontal sectional view through the wall of a house, showing the clothes line hook of the invention in plan view, in normal or extended position in full lines and in swung-in position in broken lines.

Fig. 2 is a side view of Fig. 1.

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a perspective view of a detail.

Referring in detail to the drawing, the numeral 10 indicates the sill of a window and the numeral 11 the vertical window frame member. An L-shaped support 12 has its vertical arm 13 secured to the window frame 11 in any desired manner, as, for instance, by means of a screw 14. Spaced below the screw 14 the arm 13 is provided with a prong-like projection adapted to pierce the frame 11 to give greater stability to the support 12. The horizontal member or base 16 of the support 12 is provided with a square opening 17 therethrough in which the square hub 18 at the base of an upright fluted cylinder 19 registers.

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The cylinder 19 is hollow and has a bolt 20 extending through and registering in the axial bore 21 therethrough. The head of this bolt is shown at 22, and its lower end is threaded to receive a nut 23. Of course a rivet could be used instead of this bolt. The head 22 of the bolt is tapped to receive a screw 24.

A vertical radial groove 25 is provided in the cylinder in a plane passing through the axis of the cylinder, that is, at right angles to the house wall. Similar additional radial grooves 26 and 27 are provided in vertical planes not at right angles to the first-mentioned plane but rather extending angularly toward the house wall, as shown in Fig. 4.

A plate 28 has an opening 29 through one end, through which the bolt 20 passes to lock the plate rotatably on the top of the cylinder 19. The shank of the hook 29^a is shown secured to and in alignment with the plate 28 by means of screws or rivets 30, although it could just as well be provided integral with the plate as an extension thereof, not shown. A carriage 31 in the form of a sleeve rectangular in cross-section, is slidably mounted on the plate 28; the carriage 31 has a dog 32 projecting forward from the bottom wall thereof, and also has a rigid finger 33 extending upward and outward from the rear edge of the upper wall thereof. The upper wall of the carriage may be provided with a longitudinal medial slot 34, substantially as shown. A tension spring 35 has one end looped around the finger 33 and the other end around the screw 24, thereby normally urging the carriage 31 toward the cylinder 19 and hence releasably locking the carriage dog 32 in either of the grooves 25, 26, or 27.

Normally the clothes line 36 and the hook 29^a are positioned as shown in Fig. 2 and in full lines in Fig. 1, that is, substantially at right angles to the house wall, and in that position the dog 32 registers in the groove 25. Hence the plate and hook are constrained from swinging out of that position. When it is desired to swing the hook into the position shown in broken lines in Fig. 1, for convenience in handling the clothes line, the plate 28 or the shank of the hook 29^a, or both, are grasped in the hand and a finger of the hand is used to pull the finger 33 outward, thereby disengaging the dog 32 from the groove 25. Then the hook and its related parts are swung inward toward the window, with the dog 32 riding on the cylindrical surface between the grooves 25 and 27 until the dog falls into the groove 27. In the latter position the hook is also releasably

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locked, so that the user may proceed to use the line in the usual manner but with far greater facility and safety than is the case with the common fixed hook. The manner of restoring the hook to its extended position is obvious.

The additional groove 26 on the other side of the cylinder 19 is provided so that the device may be attached to either the left-hand or right-hand side of the window, to accommodate the preference of the user.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

A device of the class described comprising a support adapted to be secured to a wall, said support having an arm extending horizontally outward therefrom, a hollow cylinder mounted upright on said arm, a plate having an opening through one end thereof, a bolt having a head passing through said opening and through said cylinder thereby rotatably mounting said plate on said cylinder between said head and said cylinder, said plate having a hook on the end there-

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of and having a carriage slidably mounted thereon, said cylinder having spaced longitudinal radial grooves, said carriage having an upwardly extending finger on its outer end and having a dog on its other end, said dog being selectively registrable in said grooves, said bolt head having a projection upward therefrom, a coiled tension spring having one end secured to said projection and the other end secured to said finger thereby normally urging said carriage toward said cylinder and tending to releasably lock said dog in one of said grooves.

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The following references are of record in the file of this patent:

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