

C. ELLIS.
COMBINATION BURGLAR PROOF LOCKING WINDOW SCREEN AND BABY GATE.
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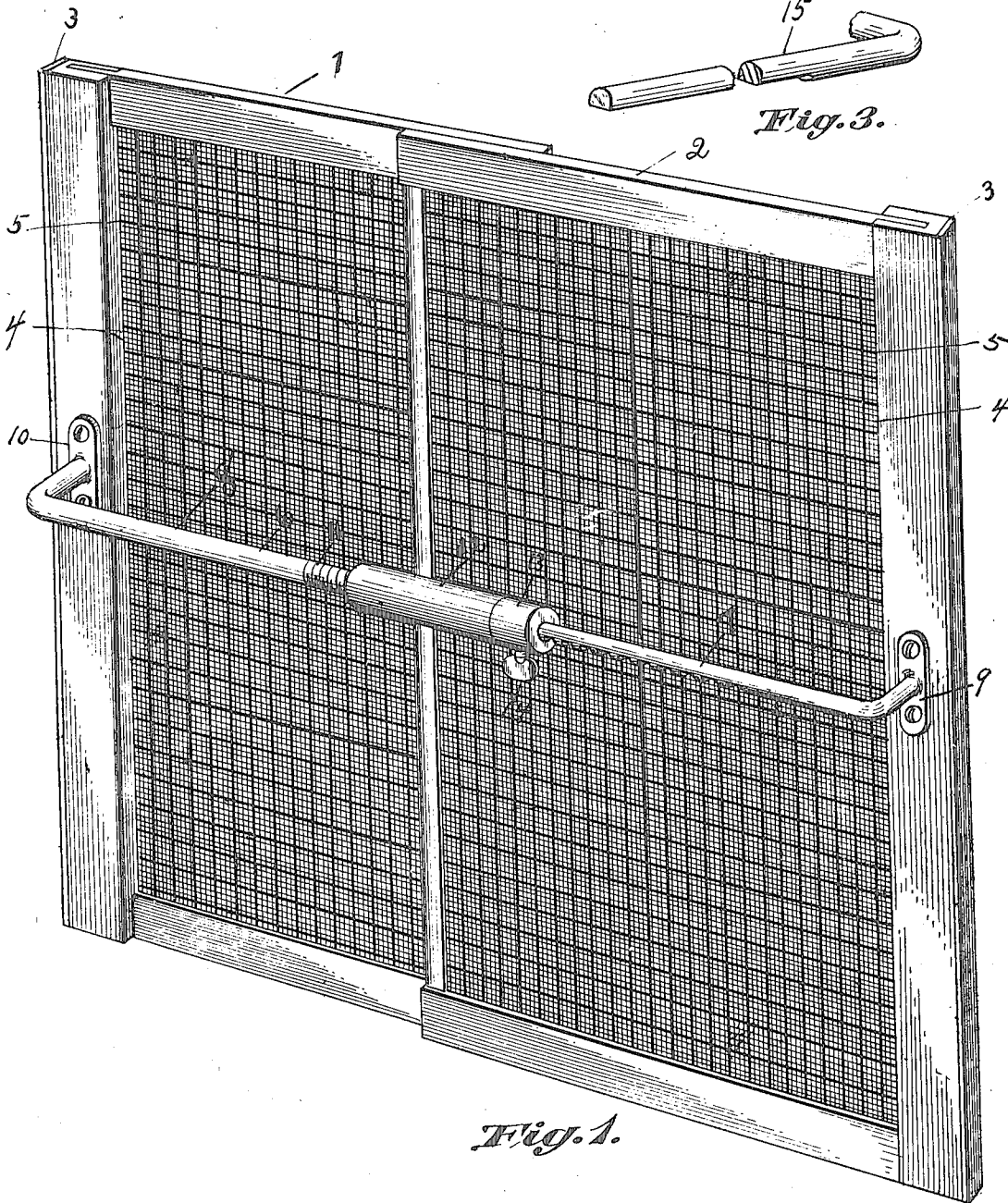


Fig. 1.

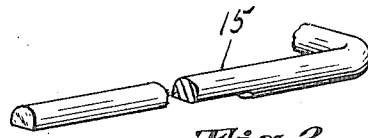


Fig. 3.

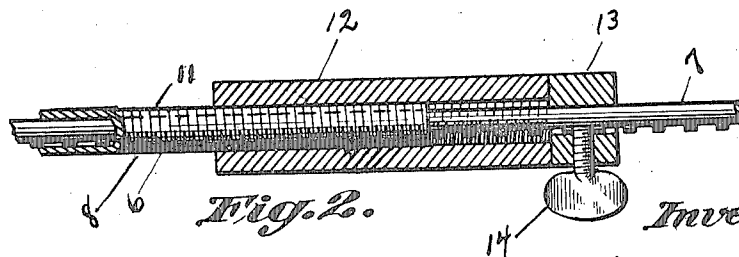


Fig. 2.

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COMBINATION BURGLAR-PROOF LOCKING WINDOW-SCREEN AND BABY-GATE.

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To all whom it may concern:

Be it known that I, CLAUDE ELLIS, of Springville, Erie county, New York, United States of America, have invented a
5 Combination Burglar-Proof Locking Window-Screen and Baby-Gate, a new and useful combination.

The invention has for its object to produce a device of this character which is
10 strong and simple in construction, cheap to manufacture, which can be used in windows and doorways of various kinds and sizes, which can be easily and quickly applied to a window or doorway and detached
15 therefrom without scarring or injuring the woodwork in any way.

The invention has for its object to produce an extension window screen which can be locked in a window space and which,
20 when used in connection with any good sash lock, will constitute a formidable obstacle to the ready entry of a window; in fact, to produce a screen which cannot be forced without much effort and noise, and which
25 can be used equally well as a baby gate for the purpose of preventing young babies from crawling through doorways, cellarways, stairways, etc., also a locking device which can be readily applied to any extension
30 window screen for the purpose of locking same or converting same into a baby gate, as desired.

In the accompanying drawings, Figure 1 shows a view in perspective of the combination burglar proof locking window screen and baby gate. Fig. 2 is a sectional
35 perspective view of the main portion of the locking and pressure exerting device employed on the window screen and baby gate.
40 Fig. 3 shows a modification of the male telescoping member of the locking and pressure exerting device.

Referring to Fig. 1, numeral 1 represents one of the sliding sections of the extension
45 window screen and baby gate and 2 represents the other sliding section. Sections 1 and 2 are connected and are of the construction ordinarily employed in the extension screen of commerce, except that it is
50 preferable to make the two sections 1 and 2 slightly longer than those usually employed, in order to adapt the device to varying widths of doorways. It is also preferable to make the frames somewhat heavier
55 than those usually employed. There are two features wherein sections 1 and 2 differ from

the sliding sections of the ordinary extension window screen of commerce, viz., each screen section contains two fabrics and a strip of padding attached to the end of its
60 outer upright rail or frame piece to prevent marring woodwork.

3 represents a strip of padding material fastened to the end of the outer upright rail of the frame of each screen section.
65 This may be of rubber, felt, or any other suitable material. It need not be continuous. A small strip at the top and bottom of each outer upright rail or frame piece where same comes in contact with door casing
70 or window casing would be sufficient.

4 represents a wire fabric of fine wire and closely woven, similar to the screening usually employed in ordinary screens to
75 keep out flies.

5 represents another fabric. This fabric is of heavier, tougher wire and coarser mesh and is designed to make the screen more or less burglar proof, the wire employed being
80 of a size sufficiently large to make the cutting thereof a noisy, burdensome job.

Referring to Figs. 1 and 2, 6 represents the locking and pressure exerting device, the attachment of which to the extension window screen enables the screen to be locked
85 firmly into a window space when used as a screen, or into a doorway when used as a baby gate. It consists of a male telescoping member represented in Figs. 1 and 2 by 7,
90 and a female telescoping member represented in Figs. 1 and 2 by 8.

Referring to Fig. 1, male telescoping member 7 has a bracket 9 with holes for screws or bolts. It may be fastened to the
95 frame of screen section 2 by either screws or bolts and nuts. Female telescoping member 8 also has a bracket 10 with holes for screws or bolts. It may be fastened to the frame of screen section 1 by either screws or bolts and nuts. This device should preferably be
100 attached midway between the top and bottom of the outer upright rails or frame pieces of the extension window screen. Female telescoping member 8 is preferably cylindrical in form and is hollow, possessing
105 an internal cavity sufficiently large to freely admit telescoping member 7. Female telescoping member 8 is threaded on its outside surface for several inches at its telescoping
110 end. The threads are represented in Figs. 1 and 2 by 11.

Referring to Figs. 1 and 2, 12 represents a

sleeve which is internally so threaded as to engage the threads on the outside of female telescoping member 8, upon which member it is adjustable lengthwise. In this connection it should be said that the outside surface of the threaded sleeve should preferably be either milled, quadrilateral or hexagonal in form, so as to give gripping power, although it is not so shown in either Figs. 1 or 2.

Referring to Figs. 1 and 2, 13 represents a collar of smooth bore, the bore of which is sufficiently large to allow the collar to slide easily back and forth over the male telescoping member 7. This collar must be thick enough so that neither the female telescoping member 8 nor the threaded sleeve 12 will slide over it. The shell of collar 13 is pierced by a hole threaded with threads to engage the threads of a thumb screw which is represented by 14. Thumb screw 14 is designed to lock the collar 13 upon the male telescoping member 7. To facilitate the locking operation, male telescoping member 7 is provided with a notched surface plainly visible in Figs. 1 and 2. The inventor does not confine himself to this construction, however.

15 of Fig. 3 represents a modified form of construction which may be employed in constructing male telescoping member. In Fig. 3, the male telescoping member 15 possesses a flattened surface upon which to set the thumb screw.

The combination burglar proof locking window screen and baby gate having been placed in a window space beneath the lower sash, with its ends extending into the sash guideways in the window casing, the collar 13 is pushed toward the end of the male telescoping member 7 until it comes in contact with the female telescoping member. By means of the thumb screw 14, the collar 13 is securely locked in position on the male telescoping member 7. By turning the sleeve 12 against collar, the screen sections 1 and 2 are forcibly extended against the window casing. To unlock quickly, loosen thumb screw 14 and upon slight pressure the locking device will telescope, shutting the two screen sections together. Its operation when used as a baby gate is identical with its operation when used in a window.

I claim:

1. The combination in a device adapted to forcibly extend and lock an extension window screen or baby gate consisting of two sliding connected sections of two telescoping members, a bracket on the outside end of each telescoping member with means for fastening the respective brackets to the respective upright outer rails or frame pieces of an extension window screen or baby gate, the said telescoping members being adapted to telescope and extend as the extension win-

dow screen or baby gate telescopes or extends, blocking means mounted upon male telescoping member adjustable lengthwise of same and means for securing same in place at any point on male telescoping member, adjusting and locking means mounted upon the female telescoping member and capable of endwise movement relative thereto and adapted by engaging the blocking means mounted upon the male telescoping member to forcibly extend telescoping members and lock same in adjusted position.

2. The combination in a device adapted to forcibly extend and lock an extension window screen or baby gate consisting of two sliding connected sections of two telescoping members with means for fastening the respective outside ends of the telescoping combination to the respective outside upright outer rails or frame pieces of an extension window screen or baby gate, said telescoping members being adapted to telescope and extend as the extension window screen or baby gate telescopes and extends, a lockable collar adjustably mounted upon male telescoping member, adjusting and locking means mounted upon female telescoping member capable of adjustment lengthwise thereof, consisting of a sleeve the bore of which is so threaded as to engage threads upon the outside surface of the female telescoping member at its telescoping end, said adjusting and locking means being adapted to cooperate with the lockable collar adjustably mounted upon male telescoping member for forcibly extending telescoping members and locking them in adjusted position.

3. The combination in a device adapted to forcibly extend and lock, or convert into a baby gate, an extension window screen consisting of two connected sliding sections, of two telescoping members, with means for fastening the respective outside ends of the telescoping combination to the respective outer upright rails or frame pieces of the extension window screen, blocking means adjustably mounted upon male telescoping member, an adjusting member mounted upon the female telescoping member and forming with it a combination extensible lengthwise, said adjusting member being adapted by cooperating with the blocking means adjustably mounted on male telescoping member to forcibly extend telescoping members and lock them in adjusted position.

4. The combination in an extension window screen composed of two sliding connected sections of padding means upon the ends of the outer upright rails or frame pieces of the extension screen, two telescoping members with means for fastening the respective outside ends of the telescoping combination to the respective outside upright

rails or frame pieces of the extension window screen, said telescoping members being adapted to telescope and extend as the extension window screen telescopes and extends, blocking means adjustably mounted upon male telescoping member, adjusting and locking means mounted upon the female telescoping member and capable of endwise movement relative thereto, adapted, by cooperating with the blocking means adjustably mounted upon male telescoping member, to forcibly extend telescoping members and lock same in adjusted position.

5. The combination in a combination burglar proof locking window screen and baby gate composed of two sliding connected sections of means in each screen and baby gate section adapted to exclude flies and means to make same burglar proof, padding means upon the ends of the outer upright rails or frame pieces of each screen and baby gate section, two telescoping members with means for fastening the respective outside ends of the telescoping combination to the respective outside upright rails or frame pieces of the extension window screen and baby gate; said telescoping members being adapted to telescope and extend as the extension window screen and baby gate telescopes and extends, blocking means adjustably mounted upon male telescoping member, adjusting means mounted upon the female telescoping member, adjustable lengthwise thereof, adapted to cooperate with the blocking means adjustably mounted upon male telescoping member for forcibly extending and locking in adjusted position the telescoping members and the screen and baby gate sections thereto attached.

6. The combination in a combination burglar proof locking window screen and baby gate composed of two sliding connected sections of means in each screen and baby gate section adapted to exclude flies and means to make same burglar proof, two telescoping members with means for fastening the respective outside ends of the telescoping combination to the respective out-

side upright rails or frame pieces of the extension window screen and baby gate; said telescoping members being adapted to telescope and extend as the extension window screen and baby gate telescopes and extends, blocking means adjustably mounted upon male telescoping member, adjusting means mounted upon the female telescoping member, adjustable lengthwise thereof, adapted to cooperate with the blocking means adjustably mounted upon male telescoping member for forcibly extending and locking in adjusted position the telescoping members and the screen and baby gate sections thereto attached.

7. The combination in a combination burglar proof locking window screen and baby gate composed of two sliding connected sections of two fabrics in each screen and baby gate section, one adapted to exclude flies and consisting of ordinary fly screening and one adapted to make screen and baby gate section burglar proof, consisting of heavy wire and coarse mesh, padding means upon the end of the outer upright rail of the frame of each screen and baby gate section, two telescoping members adapted to be arranged between the outer upright rails or frame pieces of the extension window screen and baby gate with means for fastening the respective outside ends of the telescoping combination to the respective outside upright rails or frame pieces of the extension window screen and baby gate, blocking means adjustably mounted upon male telescoping member, adjusting and locking means mounted upon the female telescoping member and capable of endwise movement relative thereto, adapted to cooperate with the blocking means adjustably mounted upon male telescoping member for forcibly extending and locking the telescoping members and the screen and baby gate sections thereto attached.

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Witnesses:

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