

The invention relates to a covering for an espagnolette lock for a door, window or the like and comprised of an espagnolette-lock or a plurality of lock or keeper blocks.

- From the document FR-A-2 216 830 is known a lock device comprising
- 5 several bolts simultaneously actuated from a common safety mechanism by means of actuating rods. Same connect said safety mechanism with the various bolts co-operating with the various keepers integral with the frame of the door, window or the like. All the bolts, safety mechanism and actuating rods are housed inside a single casing
- 10 ing fixed by application against the inner face of the leaf of the door, window or the like. All the keepers are as well housed inside a single casing fixed by application against the inner face of the sash-frame of the door, window or the like. These casings are comprised of two nestable profiles having a "U"-shaped cross-section,
- 15 one of which forms the cover of the other one. Said casings, being provided with the safety mechanism, bolts, actuating rods, respectively the keepers, are fixed in a single operating of application against the inner face of the leaf and the sash-frame, respectively, of the door, window and the like.
- 20 For safety reasons, however, it proves to be judicious to replace the lock device with single safety mechanism by a plurality of lock blocks the locking members of which respectively co-operate with a plurality of keepers. This causes indeed a loss of time for the burglar, since he has to individually actuate each lock block.
- 25 The object of this invention is to cope with these troubles. The invention, as defined in the claims, allows to reach this scope by providing a covering for an espagnolette lock for a door, window or the like and comprised of an espagnolette-lock or a plurality of lock or keeper blocks, formed by a longitudinal tubular casing with
- 30 rectangular cross-section, one small side of which is at the same level as the edge of the stile of the leaf or the sash-frame, characterized in that the longitudinal tubular casing consists in a tubular profile with rectangular cross-section, one large side of which, covering the plurality of lock or keeper blocks, comprises
- 35 clipping means being interposed between the lock or keeper blocks and the inner face of the leaf or sash-frame, respectively, of the door, window or the like.

According to another feature of the invention, the small side of

the tubular profile with rectangular cross-section at the same level as the edge of the stile of the leaf or the sash-frame of the door, window or the like comprises openings for the passing-through of the locking members.

- 5 The advantages obtained thanks to this invention essentially consist in that the covering solves the problem consisting in maintaining the advantages resulting from an application covering whilst allowing the use of a plurality of lock or keeper blocks. The invention is further explained below with reference to drawings
 10 showing only one embodiment.

Figure 1 is a perspective view of the covering according to the invention.

Figure 2 is an elevation and partly cross-sectional view of the covering comprising clipping means according to a first embodiment.

- 15 Figure 3 is an elevation and partly cross-sectional view of the covering comprising clipping means according to a second embodiment.

Figure 4 is a bird's eye and cross-sectional view of the covering according to line IV-IV of Figure 2.

- 20 Reference is made to the various figures.

According to the invention, the covering for an espagnolette lock applied against the inner face of a door, window or the like comprises a tubular profile 1. Because of the size of the lock or keeper blocks, this tubular profile 1 has a rectangular cross-
 25 section. One large side 2 is applied against the inner face 3 of either the leaf 4, in the case of lock blocks, or the sash-frame (not shown) in the case of covering of keeper blocks. This large side 2 comprises openings 5, 6 allowing the passing-through of the various lock and/or keeper blocks, these blocks being kept in place
 30 by the various commonly used fixing members.

One small side 7 of this tubular profile 1 with rectangular cross-section is at the same level as the edge 8 of the stile of either the leaf 4 or the sash-frame. In this small side 7, in front of the locking members, such as half-turn bolt, dead bolt or slide-bolt,
 35 are provided openings 9, 10, 11, 12, 13 allowing the passing-through of said locking members.

When the tubular profile 1 serves as covering for the lock blocks, the locking members protrude with respect to the outer face 14 of

the small side 7, whilst, when the tubular profile 1 serves as covering for the keeper blocks, the locking members protrude with respect to the inner face 15 of the small side 7.

Since the large side 2 of the tubular profile 1 comprises, in front of the lock and/or keeper blocks, the openings 5, 6, the tubular profile 1 can cover these various blocks penetrating into same through said openings 5, 6. The median plane 16 of these openings 5, 6 is however offset with respect to the axis 17 of the openings 9, 10, 11, 12, 13. This median plane 16 is preferably situated below the axis 17.

According to the invention, the tubular profile 1 with rectangular cross-section comprises clipping means being interposed between the lock or keeper blocks and the inner face 3 of either the leaf 4 or the sash-frame.

According to a first embodiment, the clipping means are an active area 18 located above the openings 5, 6 which is caught behind the outer face of the various blocks and vertically slides from up to down to fit the covering between the outer face of the various blocks and the inner face 3 of the leaf 4 or sash-frame. The height 19 of this active area 18 is at least equal to the distance 20 separating the axis 17 from the median plane 16, this distance 20 corresponding to the vertical stroke of the tubular profile 1 with respect to the various lock or keeper blocks.

According to another embodiment, the clipping means are slots 21, 22 located in front of the passage of the fixing members ensuring the fixing of the lock or keeper blocks in application against the inner face 3 of the leaf 4 or sash-frame. These slots 21, 22 end in the upper edge 23 of the openings 5, 6 provided in the large side 2 of the tubular profile 1. The height 24 of these slots 21, 22 is at least equal to the distance 20 between the axis 17 and the median plane 16.

These clipping means are however not limited to both above-mentioned embodiments.

To actuate the lock blocks, removable actuating means, such as key and/or actuating handle, are used. Therefore, it is enough to provide, in the other large side 25 of the tubular profile 1, openings 26, 27 allowing the passing-through of the key or the actuating square of the handle, respectively.

In some cases, the actuating means permanently remain on the lock. Hereto, it is necessary to provide, in the other large side 25 of the tubular profile 1, openings formed by elongated slots 28, 29, 30 the height 31 of which is at least equal to the sum of the diameter of the actuating means and the vertical stroke of the tubular profile 1 corresponding the the distance 20.

For the fitting, it is enough to apply the tubular profile 1 against the inner face 3 of the leaf 4 or the sash-frame, respectively, taking care that the lock or keeper blocks pass through the openings 5, 6, and then to exert a traction force onto the bottom of the tubular profile 1, so that the clipping means 18, 21, 22 be caught behind the various blocks.

C L A I M S

1. Covering for an espagnolette lock for a door, window or the like and comprised of an espagnolette-lock or a plurality of lock or keeper blocks, formed by a longitudinal tubular casing (1) with
5 rectangular cross-section, one small side (7) of which is at the same level as the edge (8) of the stile of the leaf (4) or the sash-frame, characterized in that the longitudinal tubular casing consists in a tubular profile with rectangular cross-section, one large side (2) of which, covering the plurality of lock or keeper
10 blocks, comprises clipping means (18, 21, 22) being interposed between the lock or keeper blocks and the inner face (3) of the leaf (4) or sash-frame, respectively, of the door, window or the like.
2. Covering according to claim 1, characterized in that the small side (7) of the tubular profile (1) with rectangular cross-section
15 at the same level as the edge of the stile of the leaf (4) or the sash-frame, respectively, of the door, window and the like comprises openings (9 through 13) for the passing-through of the locking members.
3. Covering according to claims 1 and 2, characterized in that the
20 openings (9 through 13) comprise an axis (17) offset by a distance (20) with respect to the median plane (16) of the openings (5, 6) provided in the large side (2) and serving as passage for the lock or keeper blocks, the distance (20) being equal to the vertical stroke of the tubular profile (1) with respect to said lock or
25 keeper blocks.
4. Covering according to claim 3, characterized in that the median plane (16) of the openings (5, 6) is situated below the axis (17) of the openings (9 through 13).
5. Covering according to claim 1, characterized in that the clip-
30 ping means are an active area (18) located above the upper edge (23) of the openings (5, 6) and being caught between the various blocks and the inner face (3) of the leaf (4) or sash-frame.
6. Covering according to claim 1, characterized in that the clip-
ping means are slots (21, 22) located in front of the passage of
35 the fixing members of the various blocks and ending in the upper edge (23) of the openings (5, 6).
7. Covering according to claim 1, characterized in that the clip-
ping means comprise an height (19, 24) equal to the distance (20).



8. Covering according to claim 1, characterized in that the tubular profile (1) comprises, in its other large side (25), openings (26 through 30) for the passing-through of actuating means of the lock.

9. Covering according to claim 8, characterized in that the openings are elongated slots (28, 29, 30) the height (31) of which is at least equal to the sum of the diameter of the actuating means and the distance (20).

