June 8, 1926. 1,587,939

M. BRETOS Y CLAVERIA

BOLT FOR CORRUGATED DOORS

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Fig. 6.

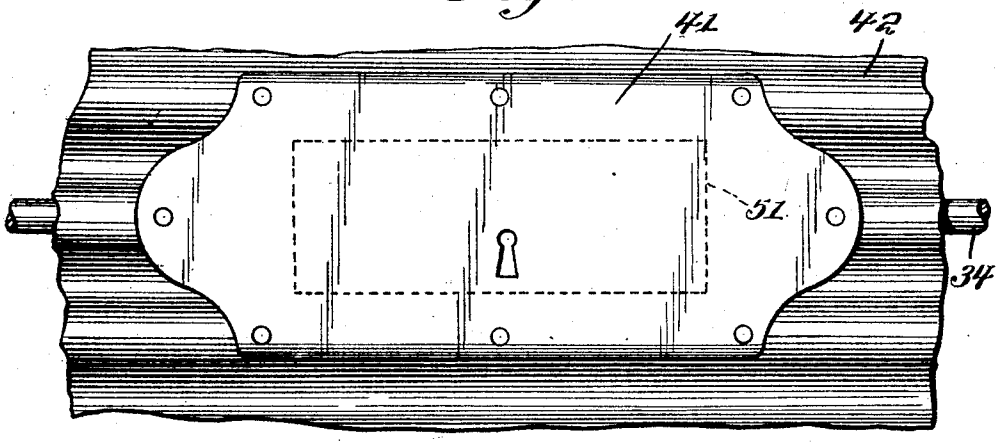


Fig. 1

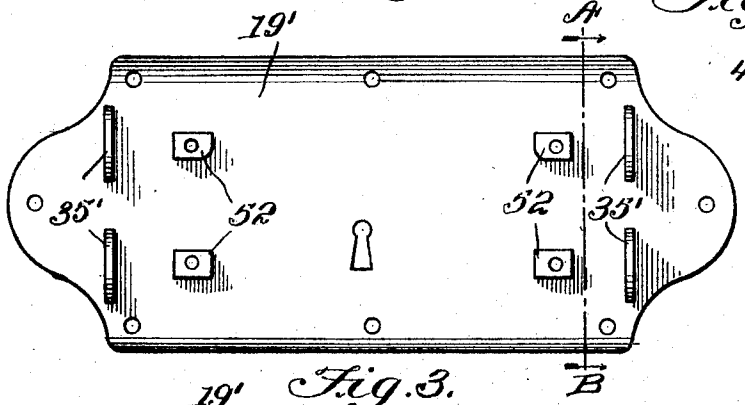


Fig. 2.

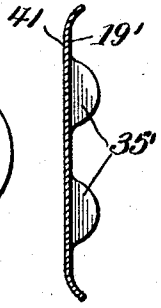
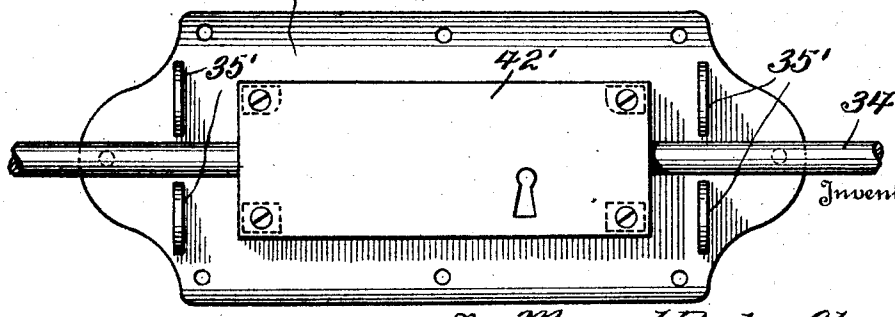


Fig. 3.



Inventor

By Manuel Bretos y Claveria

B. Singer Attorney

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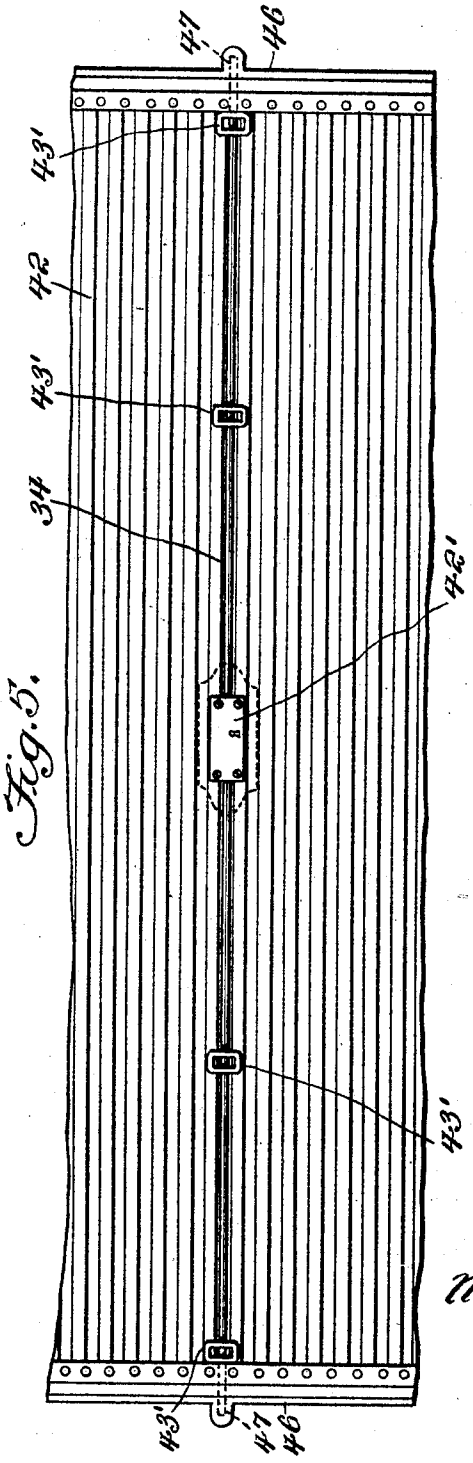


Fig. 5.

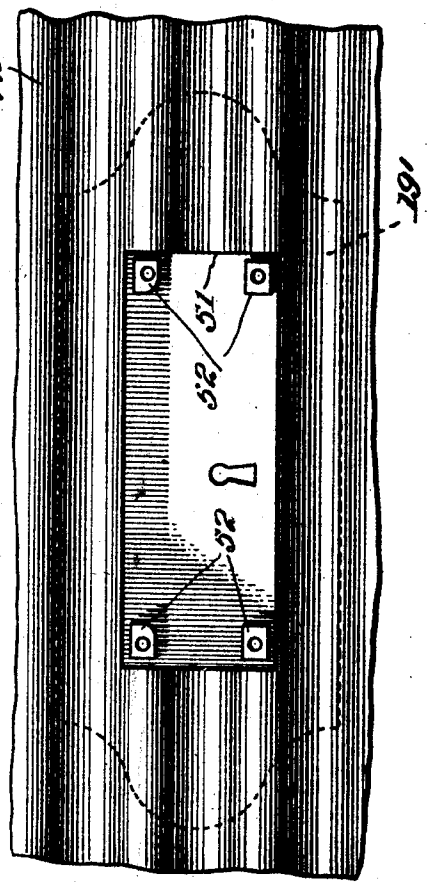


Fig. 4.

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Manuel Bretos y Claveria

By B. Snyder

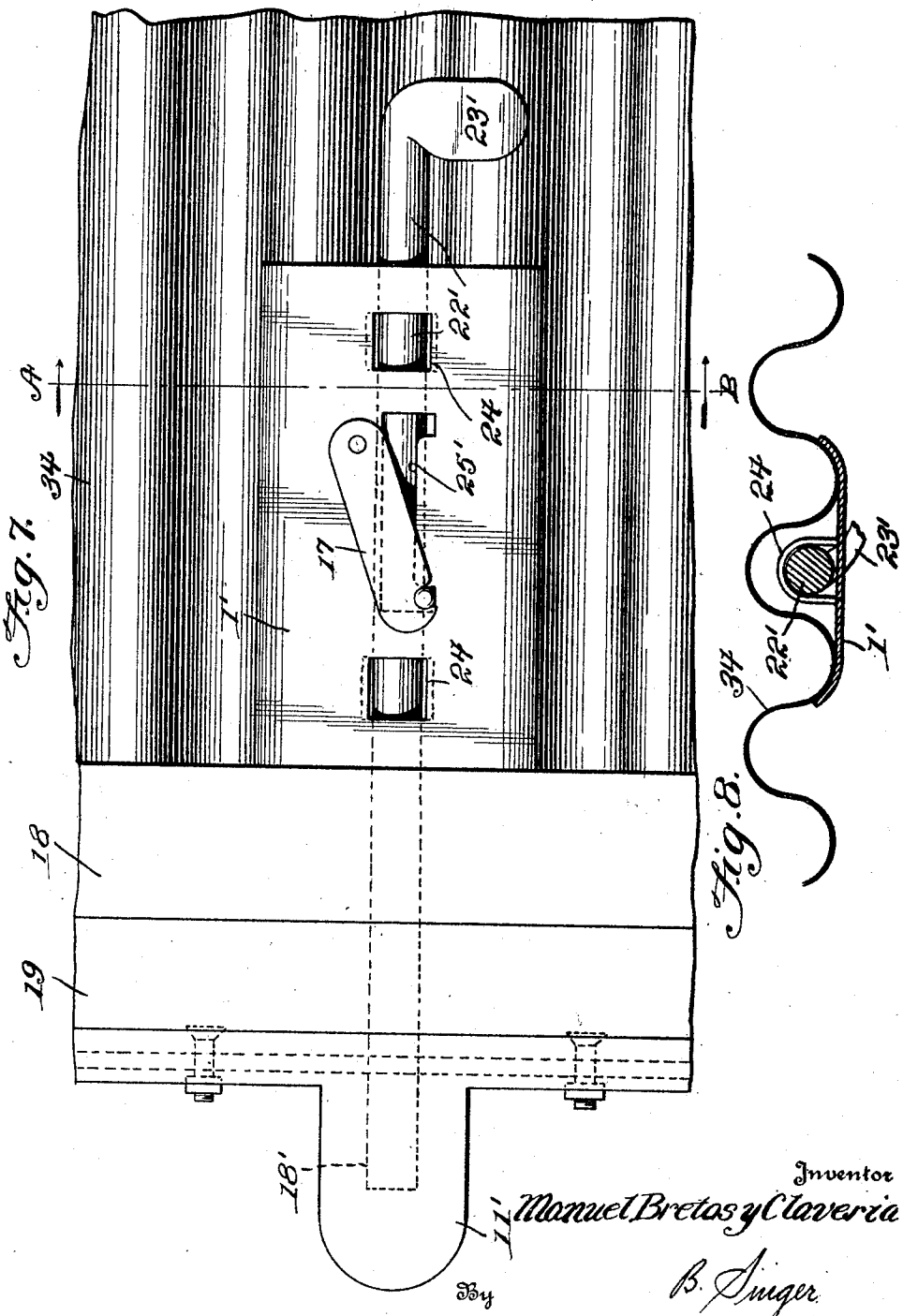
Attorney

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M. BRETOS Y CLAVERIA

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Inventor
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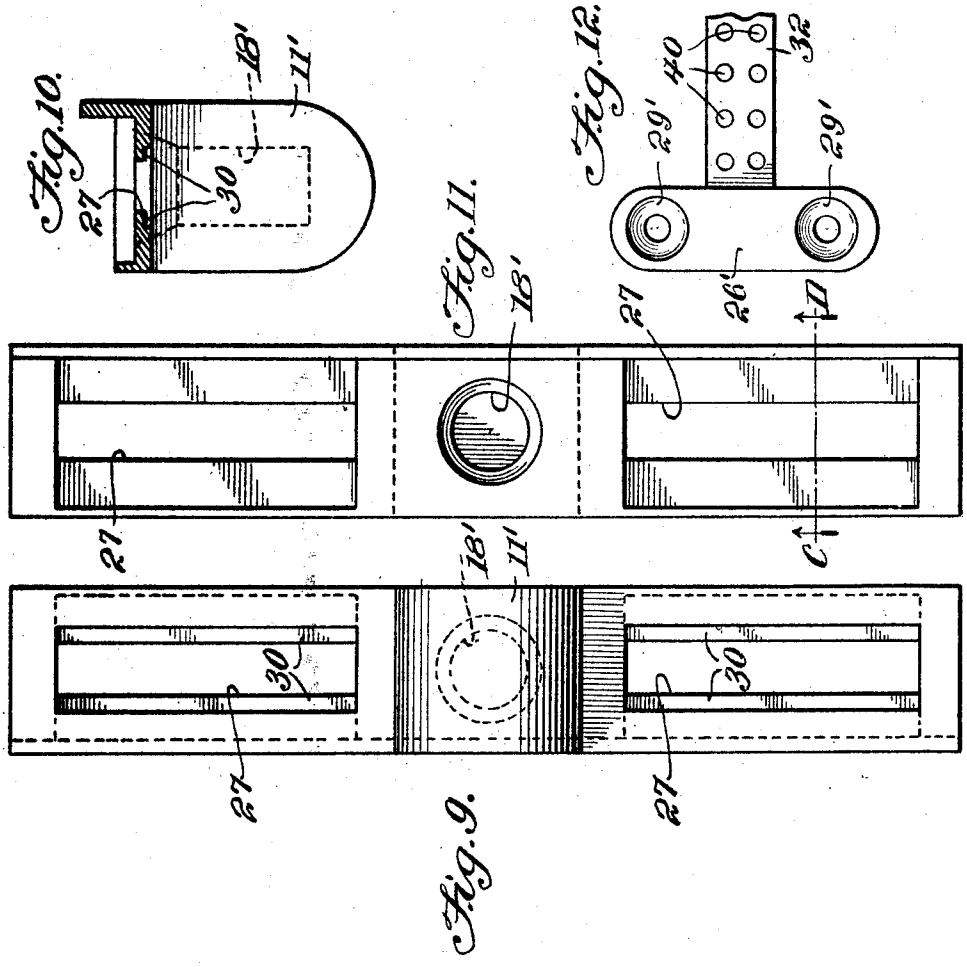


Fig.9.

Inventor

Manuel Bretos y Claveria

By B. Singer,

Attorney

Patented June 8, 1926. 1,587,939

UNITED STATES PATENT OFFICE.

MANUEL BRETOS Y CLAVERIA, OF SANTIAGO, CUBA.

BOLT FOR CORRUGATED DOORS.

Application filed July 31, 1922. Serial No. 578,825.

This invention relates to improved means for securing folding doors and has for object the providing of a lock perfectly adequate for folding doors in so far as it refers to a lock especially fitted to a folding door as well as to a door latch which has an adjustable staple.

A further object of the invention is the provision of a catch or securing means adapted to the guides of the folding doors in order to secure the doors with respect to the wall where they are located.

Further objects and other considerations pertinent to the invention are deduced during the course of these specifications with the help of the attached drawings in which like reference characters designate similar parts.

In the drawings:

Figure 1 is a rear elevation of the base for the lock adaptable to a folding door.

Figure 2 is a vertical section according to line A—B of Fig. 1.

Figure 3 is a rear elevation of the plate and the lock mounted therein.

Figure 4 is a view of a portion of folding door showing the space where a lock should be fitted and its securing plate.

Figure 5 is a view in detail of a fragment of folding door whereon are mounted a lock and its latches and female adjusters.

Figure 6 is a front elevation of a securing plate and lock fitted therein.

Figure 7 is a view which shows a fragmentary portion of folding door whereon are mounted the latch and its sliding adjustable staple.

Figure 8 is a vertical section according to the line A—B of Figure 7.

Figure 9 is a front view of the adjustable keeper or staple for the latch.

Figure 10 is a vertical section according to the line C—D of Figure 11.

Figure 11 is a rear view of the adjustable keeper or staple.

Figure 12 is a rear elevation of an attaching element for the guide frames of the door.

In Figures 1, 2, 3, 4, 5 and 6 is shown a lock and its securing plate adaptable to a folding door 42 in an opening expressly nade therein as is illustrated in Fig. 4. Lock 42′ is of usual construction and is secured to a plate 41 shown in Figs. 1 and 6 said plate presenting on its rear side 19′ vertical lugs 35′ and adjacent to these posts or heels 52 for receiving the screws for fastening lock casing 42′ to plate 41. On fitting plate 41 in the corrugations of the door lugs 35′ will position lock casing 42′ so that said casing will pass through opening 51 in the door as shown in Fig. 4, plate 41 being secured by means of screws or rivets to the outer side of the door as shown in Fig. 6. The horizontal cross bar bolts 34 of the lock slide through braces or guides 43′ and take into keeper recesses 47 provided in the door guides 46.

In Figures 7, 8, 9, 10 and 11 is illustrated a hand bolt for corrugated doors. It is a known fact that generally on setting up a folding door it is very hard to have the latch of the door register with its keeper case, therefore the latch becomes almost useless. In Figures 7 and 8 is shown a part of a corrugated door 34 with side plates 18 riveted to the corrugation securing at the same time plate 1′ which carries latch 22′, and is provided with guides 24 for the latch, said guides extending into one of the corrugations of the door, as shown. The handle 23′ of this latch is bent to adapt itself better to the corrugation of the door. 25′ is an angle slot in the plate 1′ in which operates a pin 22^b with which the latch bolt is provided. On the disengagement of the pin 22^b from said slot 25′ and sliding towards the side to register with its keeper, the latch pin 22^b is engaged by the pivoted latch 17. At 18′ is indicated the keeper of the latch projecting into the notch 11′ in an adjustable piece 11^b alongside the stationary guides of the door. Notches 11′ are central to said piece 11^b, which has slots 27 through which extend bolts 11^c and is provided with flanges 30 which engage the nuts of said bolts.

This piece forms an adjustable keeper and is adjustable on the door guides 19 according to the location of the latch bolt 21′ on the door.

Having described in this manner my invention and the form by which it is realized what I desire to protect by the Letters Patent is what is comprised within the scope of the following:

1. A sliding corrugated door, a guide having a channel to receive one edge of the door, securing means for the door, mounted in one of the corrugations thereof, and a

keeper mounted on said guide and arranged to coact with said securing means.

2. A sliding corrugated door, a guide having a channel to receive one edge of the door, a bolt for the door mounted in one of the corrugations thereof, and a keeper mounted on said guide and arranged to coact with said bolt.

3. A sliding corrugated door, a guide having a channel to receive one edge of the door, a bolt for the door mounted in one of the corrugations thereof, and a keeper adjustably mounted on said guide and arranged to coact with said bolt.

4. In combination, a corrugated door, a casing plate fitted thereto, extending across one of the corrugations, and having guide elements arranged in said corrugation, and a bolt guided by said guide elements and arranged and slidable in said corrugation.

5. In combination, a corrugated door, a casing plate fitted thereto, extending across one of the corrugations, having guide elements arranged in said corrugations and also having an angle slot, and a bolt slidable and partly revoluble in said guide elements, arranged in said corrugation and having a securing pin projecting through and movable and engageable in said slot.

In witness whereof I affix my signature.

MANUEL BRETOS Y CLAVERIA.