Jan. 17, 1928.

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K. G. ANDERSON

FASTENER FOR REFRIGERATORS

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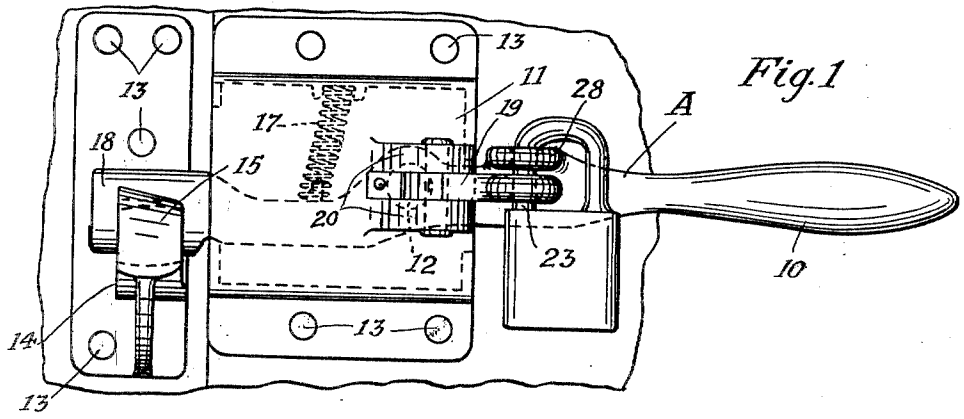



Fig. 1

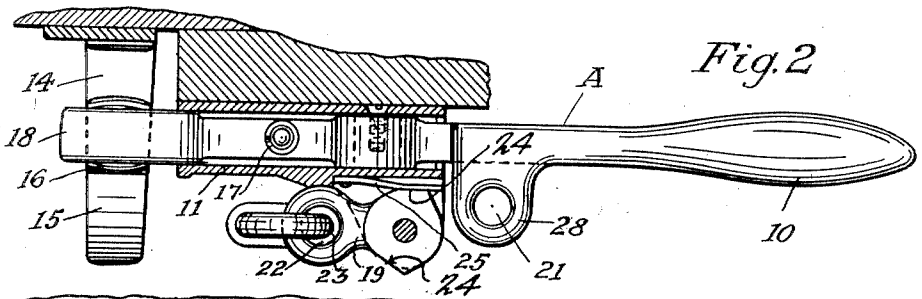



Fig. 2

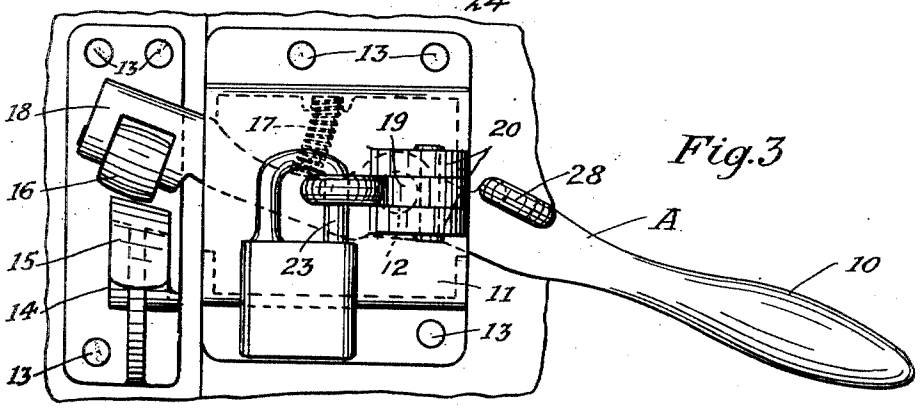



Fig. 3

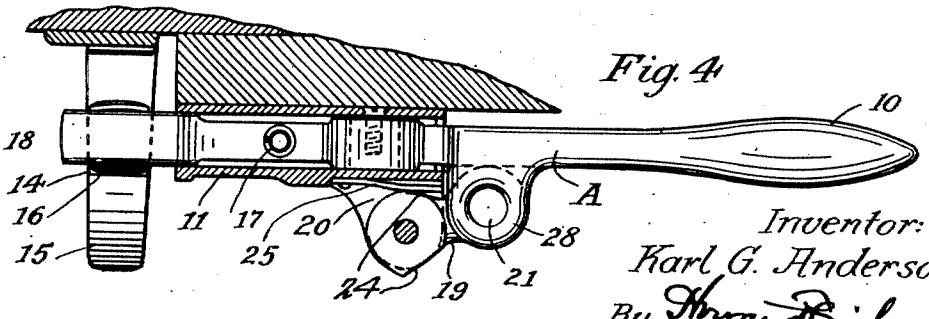



Fig. 4

Inventor:
Karl G. Anderson
By Murray Fiche.
his Attorney.

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# UNITED STATES PATENT OFFICE

KARL G. ANDERSON, OF ST. PAUL, MINNESOTA, ASSIGNOR TO THE SEEGER REFRIGERATOR COMPANY, OF ST. PAUL, MINNESOTA, A CORPORATION.

## FASTENER FOR REFRIGERATORS.

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My invention relates to door latches, being designed primarily to form an effective latch wherein the operating handle of the latch forms a suitable engaging handle for opening the door and is rigidly secured with the latch proper. By means of this simple construction the latch is disengaged from the keeper by engaging the handle and pressing downward and while in this depressed position of the handle or elevated position of the latch the door may be opened by an outward pull of the handle. In a simple construction of a latch of this nature it is very desirable to have an effective fastening means which is adaptable to refrigerators or other uses where a latch of this nature is desired in connection with a closure and particularly a fastener designed so that it can be used for large or small refrigerators with equal effectiveness and which will not get out of order.

A further object of the invention is in fastening means for preventing the operation of the latch, which may be made of sufficient strength to insure its practical use and particularly for the reason that in a latch of this nature considerable leverage can be secured by the operating handle.

The fastener is primarily designed with stop means which is pivoted in a manner to be swung into the path of operation of the operating handle to prevent the downward movement of the same, or the stop means can be moved out of position to allow the free operation of the latch operating handle.

A further object is to provide means for holding the stop out of engagement with the handle or in position to engage the handle to prevent its operation. The stop is adapted to form suitable means for supporting a lock when out of handle engaging position, which feature is important, particularly, as it is an essential object of the invention to provide means for holding the fastener to prevent its loss when disengaged from the operating handle. This construction provides means wherein a separate lock can be used to engage the operating handle and stop in a manner to lock the same together with the stop means positioned in the path of movement of the handle to prevent the operation of the same. It is of primary importance in this invention to provide means to prevent any movement of the latch in a direction to disengage it from the keeper.

The full objects and advantages of my invention will appear in connection with the detailed description thereof and are particularly pointed out in the claims.

In the drawings illustrating the application of my invention in one form:—

Fig. 1 is a side elevation showing the latch held in locked position by a pad-lock of ordinary construction.

Fig. 2 is a top plan view showing a pad-lock, the stop lever out of engagement with the latch.

Fig. 3 is a side elevation showing the latch raised out of engagement with the keeper.

Fig. 4 is a top plan view showing the parts in a position for the attachment of a pad-lock.

In carrying out my invention I provide a swinging arm A which terminates at one of its ends in a handle 10. The swinging arm A is pivoted within a fastener casing 11 upon a stud 12 upon which the arm swings slightly upward and downward. This fastener casing is secured adjacent the edge of the refrigerator door by fastening members 13. The arm A is constructed at its outer end to engage a keeper 14 secured near the edge of the door casing. The keeper 14 is formed with an outwardly projecting lip 15 curved downwardly and adapted to be engaged by an anti-friction roller 16 journalled in the outer end 18 of the swinging arm A to facilitate the arm being pushed over the shoulder of the keeper in closing the door. The arm is pressed downward by a coiled spring 17 and is thus constantly held in place in the keeper under a yielding pressure when the door is closed to prevent the accidental displacement of the same.

The handle 10 is formed with a laterally extending ear 18 which acts as a stop for preventing pivotal movement of the swinging arm A when the same is engaged by a stop lever 19 secured to the fastener casing 11. The lever 19 is pivoted between ears 20 extending laterally from the fastener casing and is adapted to swing towards and away from the handle 10. When the stop lever 19 is swung towards the handle 10 it engages underneath the ear 18 thereby preventing downward movement of the handle 10 so as to keep the outer end 17 of the latch in engagement with the keeper 14 to hold the door in fastened position. The ear 18 is provided with an aperature 21 which

registers with a similar aperture 22 formed in the lever 19 and both of these apertures are of a sufficient size to receive the shackle 23 of a pad-lock of ordinary construction to provide means for holding the latch in locked position. The lever 19 is formed with oppositely extending cam surfaces 24 which are adapted to engage a spring member 25 secured to the fastener casing 10 to provide means for holding the stop lever in proper position when out of engagement with the handle or in position to engage the handle to prevent its operation.

This form of latch is very adaptable to refrigerators of all types, but it is obvious that it can be used for other purposes, the essential feature of the invention being in means adapted to be positioned in the path of operating movement of the latch or operating handle and means for locking the stop to the latch to positively prevent operating movement of the latch.

I claim:

1. In a device of the class described, a fastener casing and a latch pivoted to said fastener casing, a keeper adapted to be engaged by said latch, a stop lever pivoted to said fastener casing adapted to hold said latch inoperative when said lever is swung into engagement with said latch.

2. A refrigerator fastener comprising a fastener casing, a latch pivoted to said fastener casing, a keeper adapted to be engaged by said latch, a stop lever pivoted to said fastener casing adapted to engage said latch to hold the same against opening movement.

3. A latch fastener including a keeper, a casing, means secured to said casing adapted to form a stop to prevent disengagement of the latch from the keeper, said means being pivotally held to be swung out of or into the path of operation of said latch to allow said latch to be disengaged from or locked in engagement with said keeper.

4. A latch fastener in combination with a keeper including an operating handle and a stop associated therewith in a manner to be swung beneath said handle, said stop being adapted to be engaged by a padlock to secure the same to the latch to lock the latch against disengagement from the keeper.

5. A fastener including a pivoted spring operated latch, a keeper for said latch, an operating handle on said latch, an eye formed in said handle, and a pivoted stop lever adapted to swing into position to register with the eye on said handle in a manner to receive a pad-lock for locking the latch into engagement with said keeper.

6. A fastener including a lever handle latch, a spring for holding said latch into operative position, a keeper, a lug projecting from the handle portion of said latch having an opening therein and a lug adapted to swing in a horizontal plane into or out of engagement with said lug and having an opening adapted to coincide with the opening in said lug when the same are registering with each other to receive a pad-lock for the purposes specified.

7. A fastener including a supporting casing, a latch lever pivoted to said casing, a keeper, a stop lug pivoted to swing in a horizontal plane into engagement with the handle end of said latch and spring means adapted to hold said stop lug into position to engage the handle of said latch in or out of engagement therewith.

8. A fastener including a latch lever, a casing adapted to pivotally support said latch, a keeper, a stop lug pivoted to said casing in a manner to swing in a horizontal plane and a lug projecting from said latch lever and spring means adapted to hold said stop lug into or out of engagement with said latch lever lug to hold or release the latch lever for the purpose specified.

9. In a device of the class described, a pivoted latch member, a handle thereon, a pivoted member adapted to swing into the path of movement of said handle, cam surfaces upon said pivoted member and a spring cooperating with said cam surfaces to hold said pivoted member in operative or inoperative position.

KARL G. ANDERSON.