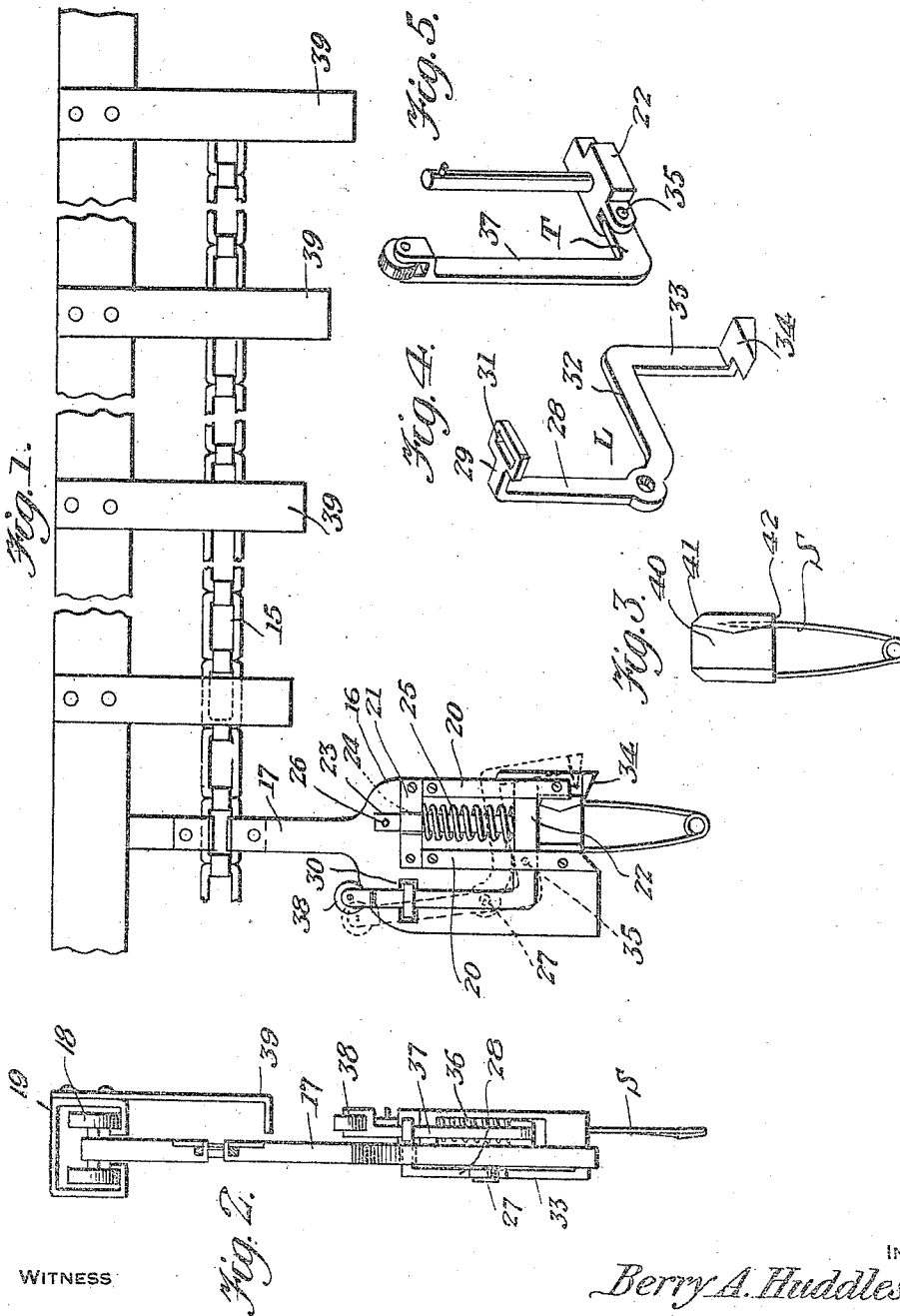


B. A. HUDDLESTON.
LAUNDRY SELECTING MECHANISM.
APPLICATION FILED APR. 21, 1916.

1,247,535.

Patented Nov. 20, 1917.



WITNESS

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LAUNDRY-SELECTING MECHANISM.

1,247,535.

Specification of Letters Patent.

Patented Nov. 20, 1917.

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To all whom it may concern:

Be it known that I, BERRY A. HUDDLESTON, a citizen of the United States, and a resident of the city, county, and State of Oklahoma, have invented new and useful Improvements in Laundry-Selecting Mechanisms, of which the following is a specification.

This invention relates to a selecting mechanism used in connection with an endless conveyer having carriers connected therewith, the purpose of the invention being to automatically select articles carried by the carriers, causing predetermined articles to be rejected or discharged from the carriers at predetermined points, causing certain articles to be grouped together.

The invention is particularly adapted to be used in laundries, and especially in the dry rooms of laundries for the purpose of grouping together all the garments and other articles belonging to one person, the garments or articles belonging to a number of persons being in this manner separated and isolated from each other.

The invention has for its object to produce a simple and improved device of the character described, the same including safety pins of peculiar construction on which the articles may be mounted, carriers with which the safety pins are relatively connected, and mechanism whereby the safety pins with the articles mounted thereon will be automatically rejected from the carriers at predetermined points.

Further objects of the invention are to simplify and improve the construction, arrangement and operation of the component parts of the device.

With these and other ends in view, which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when desired.

In the drawing:—

Figure 1 is a view in side elevation of a

conveyer having connected therewith one of the improved carriers, showing also a safety pin attached to the carrier and indicating in dotted lines the position of the latch when the pin is discharged.

Fig. 2 is a view in end elevation of the carrier, the conveyer and the carrier track being shown in section.

Fig. 3 is a detail view of the pin detached. Fig. 4 is a perspective detail view of the latch detached.

Fig. 5 is a perspective detail view of the trigger and the follower with which the trigger is connected.

Corresponding parts in the several figures are denoted by like characters of reference.

Referring now to the drawing, 15 designates a portion of an endless conveyer, which may be of any desired construction, a chain having been shown for the purpose of illustration. 16 is a carrier having a shank 17 that is connected with the conveyer. The shank has also been shown as being equipped with wheels 18 traveling on a track 19 but this is merely illustrative of a suitable construction and is not regarded as a part of the invention. While only a single carrier has been shown it is obvious that in practice, a considerable number of carriers will be connected with the endless conveyer at suitable intervals.

The carrier 16 has been shown as consisting of a plate, on one face of which, regarded as the front face, vertical guide members 20 are mounted, said vertical guide members being connected at their upper ends by a horizontal guide member 21. Guided between the guide members 20 is a vertically movable head block 22 having a stem 23 which is guided through the guide member 21, the latter being provided with an opening 24 for the passage of said stem. A spring 25 which is coiled about the stem 23 abuts at one end of the follower or head block 22 and at the other end on the guide member 21, serving to force the follower or head block normally in a downward direction, the downward movement being limited by a pin or stop member 26.

Pivotaly mounted at 27 on the rear face of the carrier 16 is a latch member L having an upwardly extending arm 28 which is provided with a forwardly bent portion 29 that extends through a slot 30 in the carrier and is provided with an eye or keeper 31. The latch member is also provided with

a laterally extending angular arm 32 having a downwardly extending portion 33 carrying a beveled hook or latch 34 which projects beneath one of the guide members 20 whereby the follower or head block 22 is guided, said hook or latch lying in the path of the follower although the latter does not necessarily contact therewith owing to the limitation of its downward movement by the stop member 26.

The trigger T which is pivotally connected with the head block or follower at 35 extends through a slot 36 in one of the guide members 20, said trigger having an upwardly extending arm 37 that extends through the eye or keeper 31 of the latch member and carries at its upper end an anti-friction roller 38 which is adapted for engagement with one of a series of cam members 39 which are supported at different elevations in the path of the trigger member.

S designates an attaching member for attaching garments and other articles to the carriers, said attaching member having been shown as being in the nature of a conventional safety pin, the keeper of which consists of a plate 40 of approximately rectangular form, the same having beveled corners 41 so as to facilitate the insertion thereof between the lower ends of the guide members 20. Any desired number of sets of these attaching members may be provided, the number of sets preferably corresponding with the number of cams 39, each set comprising any desired number of units. The keeper plates 40 of the different sets are made of different lengths according to the position of the cams whereby the article is released from the carriers as is well understood. While the attaching device has been shown in the form of a safety pin, I would have it understood that the form thereof may be greatly changed without departing from the spirit or changing the scope of the invention.

In the operation of this device the attaching device is slid upward between the guide members 20, past the latch hook 34 which latter will engage beneath a shoulder 42 at the lower edge of the keeper plate 40, such engagement taking place as soon as the keeper plate passes above the latch hook. The upward movement of the attaching member displaces the follower or head block 22 in an upward direction against the tension of the spring 25, carrying with it the trigger T which will thus be positioned for engagement with a predetermined cam member 39. When such engagement takes

place, the trigger arm 37 will be rocked, thereby rocking the latch member L, through the keeper 31 of which, the trigger arm passes, thus swinging the latch hook 34 out of the path of the shoulder 42 formed by the keeper plate 40 of the attaching member and causing the latter to be rejected from the carrier by the expansive movement of the spring 25.

I claim:—

1. In a device of the class described, a carrier having vertical guides, a spring actuated follower guided between said guides, a latch member pivoted on the carrier and having a hook projecting in the path of the follower, a trigger member pivotally connected with the follower and operatively connected with the latch member, and trigger engaging means located in the path of the trigger.

2. In a device of the class described, a carrier, a spring actuated follower guided for vertical movement thereon, a latch member pivoted on the carrier and having a latch hook projecting in the path of the follower, said latch member being provided with a keeper, and a trigger member pivotally connected with the follower and having an arm extending through said keeper.

3. In a device of the class described, a carrier having a slot, a spring actuated follower guided for vertical movement on one face of said carrier, a latch member pivoted on the other face of the carrier and having a keeper extending through the slot therein, and a trigger member pivotally connected with the follower and having an arm guided through the keeper of the latch member.

4. In a device of the class described, a carrier having a slot, a spring actuated follower guided for vertical movement on one face of said carrier, a latch member pivoted on the other face of the carrier and having a keeper extending through the slot therein, and a trigger member pivotally connected with the follower and having an arm guided through the keeper of the latch member; in combination with an attaching member having a plate adapted to be guided in engagement with the follower and having a shoulder adapted for engagement with the latch hook.

Signed at Oklahoma city, in the county of Oklahoma, and State of Oklahoma, this 14 day of April, in the year of our Lord, nineteen hundred and sixteen.

BERRY A. HUDDLESTON.