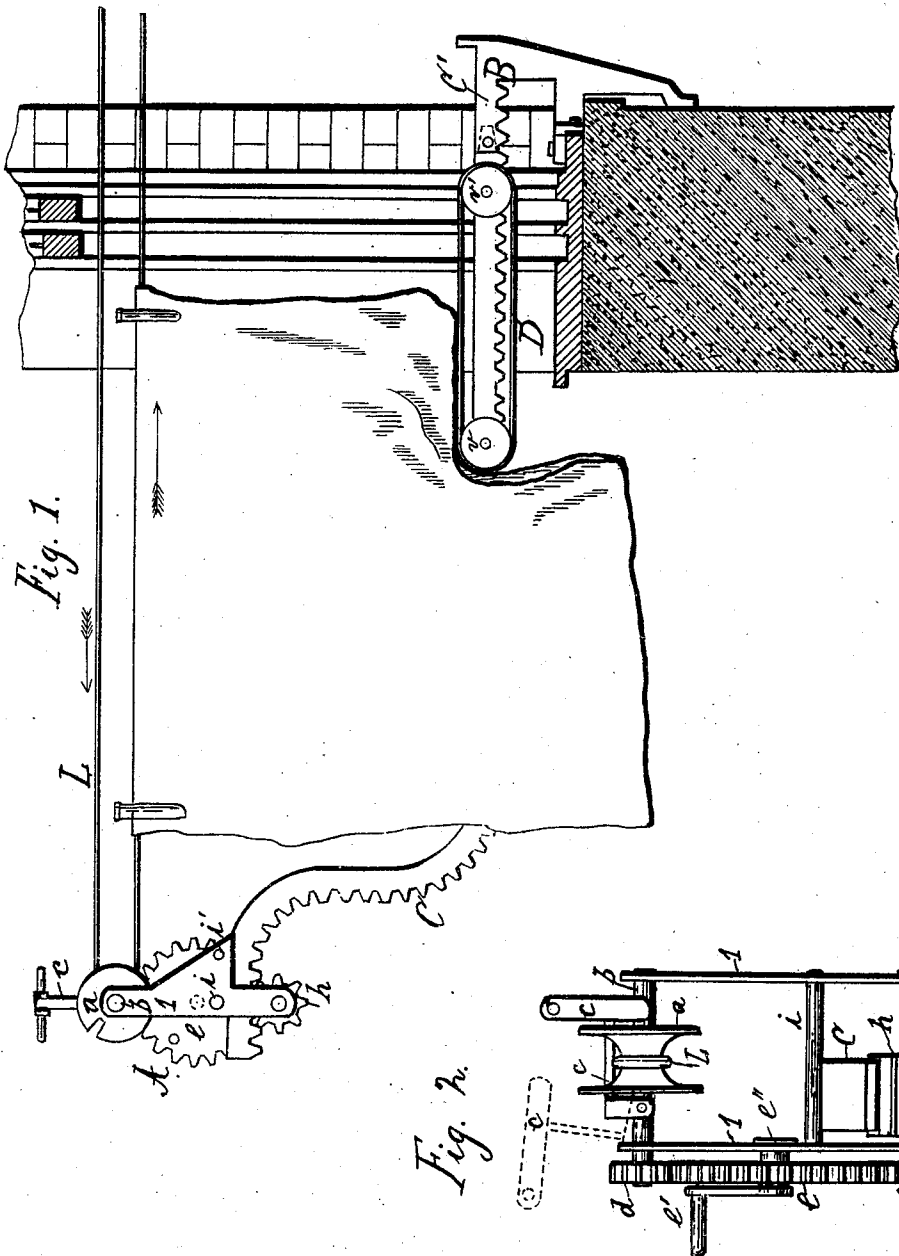


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Patented Oct. 26, 1909.

2 SHEETS—SHEET 1.



WITNESSES:

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John Spencer.

INVENTOR.

Adolph Bertram.

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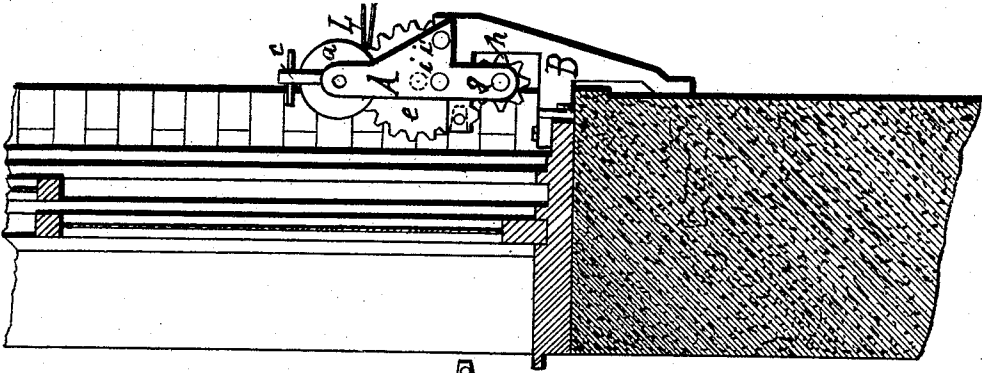


Fig. 3.

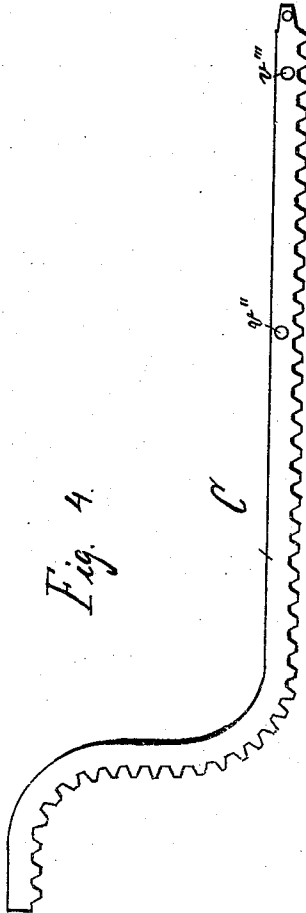
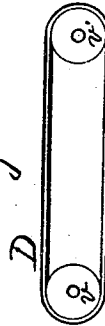


Fig. 4.

Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ADOLPH BERTRAM, OF NEW YORK, N. Y.

CLOTHES-LINE FASTENER.

938,110.

Specification of Letters Patent.

Patented Oct. 26, 1909.

Application filed December 22, 1908. Serial No. 468,804.

To all whom it may concern:

Be it known that I, ADOLPH BERTRAM, citizen of the United States, and resident of New York, in the county and State of New York, have invented a new and useful Clothes-Line Fastener, of which the following is a specification.

My invention relates to clothes-line fasteners; and the object of my invention is to provide a mechanism that will bring the clothes-line into the interior of the room and thus enable a person to hang clothes on said line without climbing out on the fire-escape or leaning out of the window. I attain this object by the mechanism illustrated in the drawings, in which—

Figure 1 gives a side-view of my mechanism in the position it has when the wash is being fastened to the line; Fig. 2 is a rear-end view of the frame carrying the pulley, the gearing and the pinion, and part of the rack; Fig. 3 shows the pulley in the position it takes when the window is closed; Fig. 4 is part of the rack; Fig. 5 shows the endless apron and its pulleys detached from the rack.

Similar letters refer to similar parts throughout the several views.

The bracket B is fastened to the outer side of a window and supports the rack C'. The rack C' is provided with a shoe into which the tapered end of the rack C can be fastened. The rack C, when attached to the rack C', extends into the interior of the room, and it is provided with two holes, *v''* and *v'''*, into which pulleys, *v* and *v'*, carrying an endless apron D, may be fastened.

The mechanism A is set upon the rack C' or its extension C by means of the pinion *h* and the rollers *i* and *i'*. The two plates *l* constitute the frame of the mechanism A. The shafts, *g* and *b*, and the rollers, *i* and *i'*, and the shaft of the pinion *e* turn in the plates *l*—*l*. The pinions *h* and *f* are fastened on the shaft *g*. The pinion *h* is set into the teeth of the rack C or C' and held in mesh with said teeth by means of the rollers *i* and *i'*. The pinion *f* is set in line with the pinion *e* and engaged with the latter. The pinion *d* is fastened on the shaft *b*, in line with the pinion *e* and *f*, and engaged by the pinion *e*. The pulley *a* is loosely mounted on the shaft *b*, and is provided with a cut *c'*; the line L is loosely held by the pulley *a*. The clamp-device *c* is pivoted to the shaft *b*,

fits into the cut *c'* of the pulley *a*, and is adapted to fasten the pulley *a* to the shaft *b* and the line L to the pulley *a*. The pinion *e* is provided with a handle *e'*.

The operation of my device will be easily understood. Presumed the part A rests on the rack C', held by the bracket B (as shown in Fig. 3). Then the rack C is fastened into the shoe of the rack C', the handle *e'* of the pinion *e*, is turned to the right; the pinion *e* drives by means of the pinion *f* and the shaft *g* the pinion *h*; the pinion *h*, and by means of it the mechanism A, travels on the rack C to the position it occupies in Fig. 1; at the same time the pinion *e* drives by means of the pinion *d* and the shaft *b*, the pulley *a*, and part of the line L, that had been rolled up on the pulley *a*, will be rolled off, thus lengthening the line L for the distance traveled by the mechanism A; the clamp *c* is swung back (as shown in dotted lines in Fig. 2) and the pulley *a* can be run as any ordinary clothes-line pulley. Then the pulleys *v* and *v'*, holding the endless apron D, are stuck into the holes *v''* and *v'''* of the rack C. After the wash has been hung up and pulled out of the window, the pulleys holding the apron D are detached from the rack C; the clamp *c* is swung into the cut *c'* of the pulley *a*; then by turning the handle *e'* to the left, the mechanism A is run back to its seat on the rack C'; the rack C is detached from the rack C' and the window may be closed. It will be seen that the pulley *a* rolls up the line L so as to keep the latter always at the proper length.

It is evident that variations and modifications in the construction of my device may be made without departing from the spirit and scope of my invention; and I therefore claim the right to all such variations and modifications as fall properly within the scope of my invention and the terms of the following claims.

I claim—

1. In a clothes-line fastener, a bracket fastened to or near the outside of a window; a rack fastened to said bracket, part of said rack being detachable and extending into the interior of the room; a frame set upon said rack and engaged with said rack by means of a pinion; a pulley loosely journaled in said frame; means, adapted to fasten the pulley to its shaft and the line to the pulley; gearing adapted to engage the shaft of the pulley and that of the before-mentioned pin-

ion; a handle adapted to turn said gearing; all substantially as set forth.

2. In a clothes-line fastener, a bracket fastened to or near the outside of a window; a rack fastened to said bracket, part of said rack being detachable and extending into the interior of the room; a frame set upon said rack, and engaged with said rack by means of a pinion; a pulley loosely journaled in said frame; means adapted to fasten the pulley to its shaft and the line to the pulley; gearing adapted to engage the shaft of the

pulley and that of the before-mentioned pinion; a handle adapted to turn said gearing; two pulleys attachable to said rack, and holding an endless apron; said endless apron; all substantially as described.

In testimony whereof I have signed my name in the presence of the subscribing witnesses.

ADOLPH BERTRAM.

Witnesses:

EMMA W. BERTRAM,
JOHN SPINNLER.