

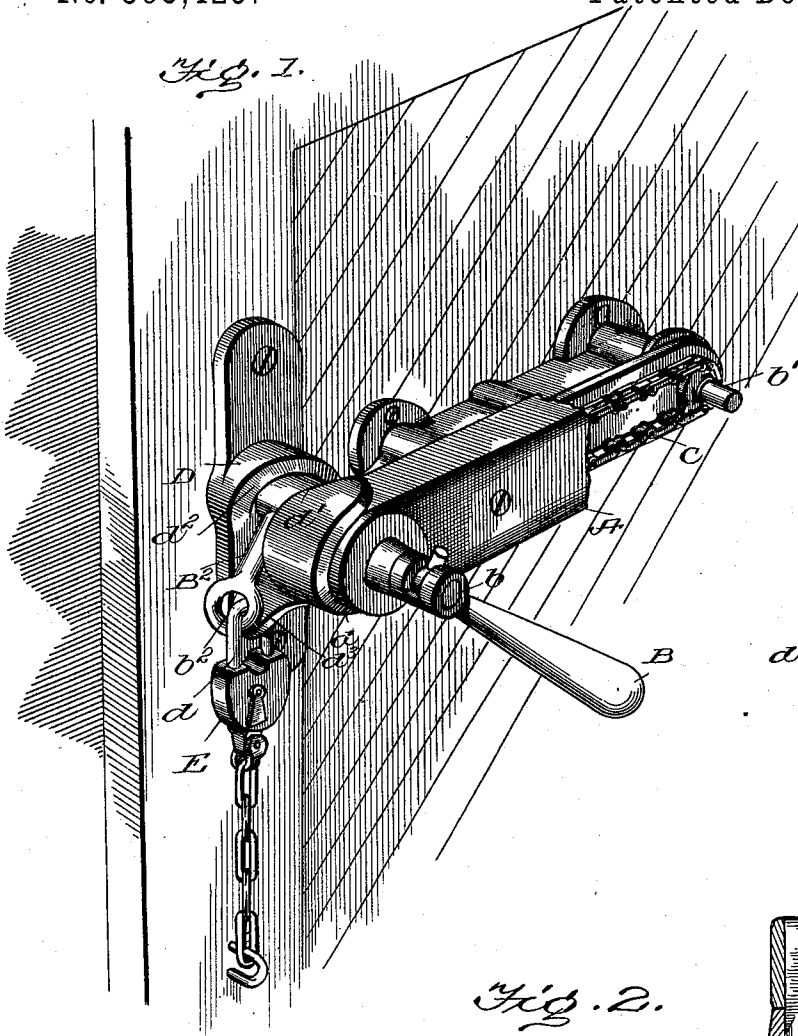
(No Model.)

A. ADAMS.  
LATCH.

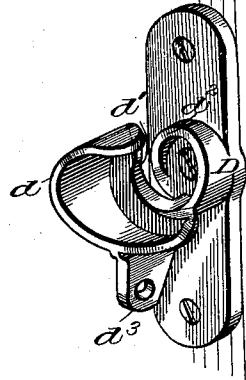
No. 595,425.

Patented Dec. 14, 1897.

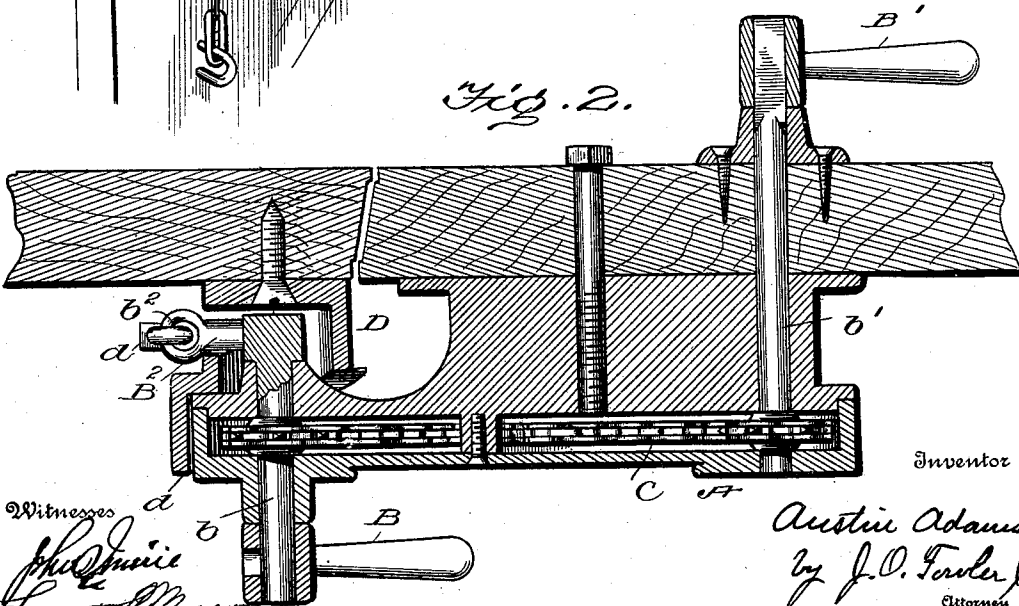
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



Inventor

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Witnesses  
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# UNITED STATES PATENT OFFICE.

AUSTIN ADAMS, OF NEW YORK, N. Y.

## LATCH.

SPECIFICATION forming part of Letters Patent No. 595,425, dated December 14, 1897.

Application filed April 10, 1897. Serial No. 631,574. (No model.)

*To all whom it may concern:*

Be it known that I, AUSTIN ADAMS, a citizen of the United States, and a resident of New York, in the county and State of New York, have invented a certain new and useful Latching Device, of which the following is a specification.

My invention relates to latches, and particularly to fastening devices constructed and arranged to be opened both from within and without a compartment; and it has for its object the provision of a device simple in construction, inexpensive to manufacture, and efficient in practical use.

To attain the desired end, this my invention consists in the construction, arrangement, and operation of parts herein set forth.

In the drawings which accompany and form a part of this specification, Figure 1 represents a view in perspective of my latch. Fig. 2 is a cross-section of the same, and Fig. 3 is a view in detail of my catch or keeper.

Like letters of reference denote like parts in all the views.

It has been deemed expedient by me to construct a latch in which both a pivoted or swinging latch and an outside and an inside operating-handle are all a part of one of the members, and I have therefore constructed according to my invention an organization of the class described embodying the preferred construction of parts and a mutual relationship, combination, arrangement, and organization in a composite body or structure, as hereinafter described.

Referring particularly to the drawings, A denotes one of the members of my latch, consisting of a bracket constructed and arranged to support two horizontal shafts  $b$   $b'$ , which respectively carry handles B B', situated on opposite sides of the wall of a compartment, the said member A being ordinarily attached to a swinging door, cover, &c. The shaft  $b$  is also provided with a projecting finger or lever B<sup>2</sup>, which preferably terminates in a locking-eye  $b^2$ . The two shafts  $b$   $b'$  are connected by any suitable means, so as to act in unison, as by a sprocket-chain C, working on sprockets carried by the said shafts. My keeper D is ordinarily fastened to the jamb by means of a vertical supporting plate or bracket and is preferably provided with in-

clined edges or ways—as, for example, the inclined entrance edge  $d$ , and the anterior edge  $d'$ , and the posterior edge  $d^2$  of a spiral groove or slot formed in my said keeper. My keeper is also preferably provided with a locking-eye  $d^3$ , constructed and arranged to register with the eye  $b^2$ , when my latch is closed, in order that the parts may be secured together, as by a padlock E.

It is manifest that various omissions of some particulars could be made without materially affecting the essential features of my invention or the operation of the remaining parts, and I do not, therefore, wish to be limited to the specific structural details of the organizations herein set forth. Obviously the elements of the structure described may be located at an angle to the plane in which they are shown. I accordingly use the words "horizontal," "vertical," and the like in a relative sense.

In operation upon pushing the door to the lever B<sup>2</sup> will engage the entrance edge  $d$  of the keeper and will be thereby rotated sufficiently far to enter the slot of my keeper, and upon manipulating one of the parallel handles B or B' the lever B<sup>2</sup> will engage the inclined anterior edge of the slot, and the door will be thereby forced into its seat. In order to open the door again, one of the handles B or B' may be turned in a reverse direction, whereby the lever B<sup>2</sup> will engage and ride upon the inclined posterior edge  $d^2$ , and the door will be crowded out of its seat or frame.

As it is evident that many changes in the construction and relative arrangement of parts might be resorted to without departing from the spirit and scope of my invention, I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that such changes and equivalents may be substituted therefor, and that

What I claim as my invention is—

1. The combination, in a fastening device with one member constituting a keeper provided with spirally-inclined edges or ways, of another member constituting a latching device and provided with two actuating-handles located a distance apart, and projecting from different sides of said member.

2. The combination, in a fastening device,

with one member constituting a keeper, of  
another member constituting a latching de-  
vice and provided with two actuating-han-  
dles located a distance apart and projecting  
5 from different sides of said member, and also  
with intermediate connecting means whereby  
the said handles are constructed and arranged  
to act in unison, when either handle is op-  
erated.

10 3. The combination, in a fastening device,  
with one member constituting a keeper, of  
another member constituting a latching de-  
vice and provided with two actuating-han-

dles located a distance apart and projecting  
from opposite sides of said member, and also 15  
with intermediate connecting means consist-  
ing of a sprocket-chain, whereby the handles  
act in unison, when either handle is operated.

In testimony of the foregoing specification  
I do hereby sign the same, in the city of Wash- 20  
ington, District of Columbia, this 9th day of  
April, A. D. 1897.

AUSTIN ADAMS.

Witnesses:

J. ODELL FOWLER, Jr.,  
WM. H. DE LACY.