(Model.)

H. F. LANE.

LOCK FOR EXTENSION CASES.

No. 424,486. Patented Apr. 1, 1890.

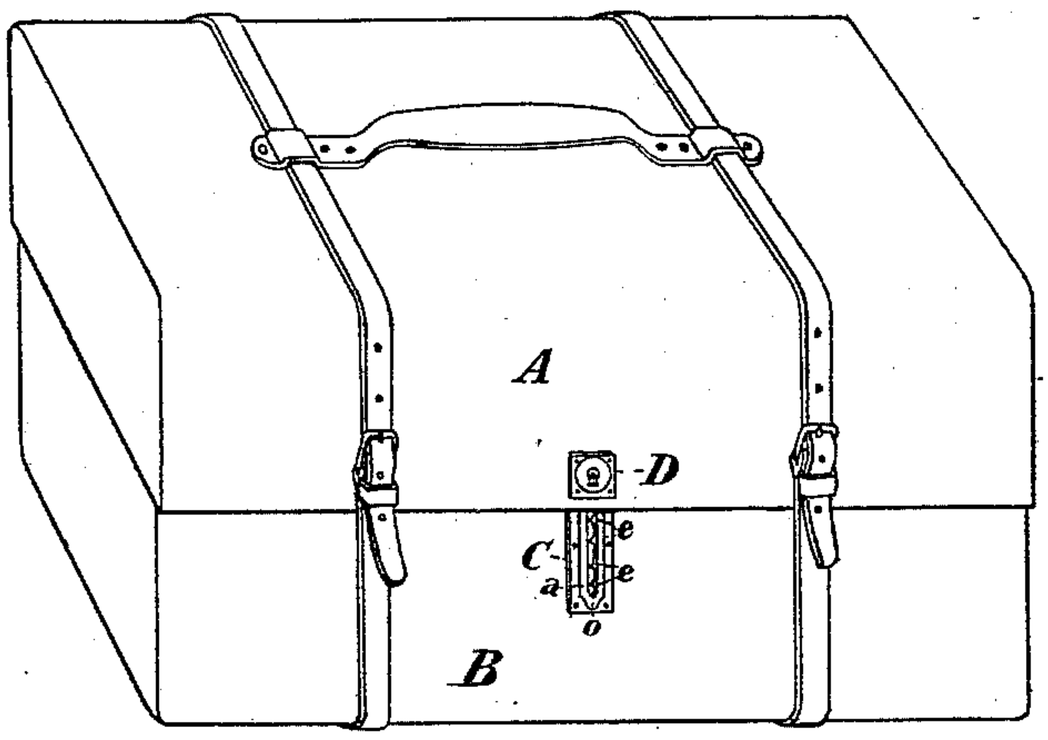

Fig. 1

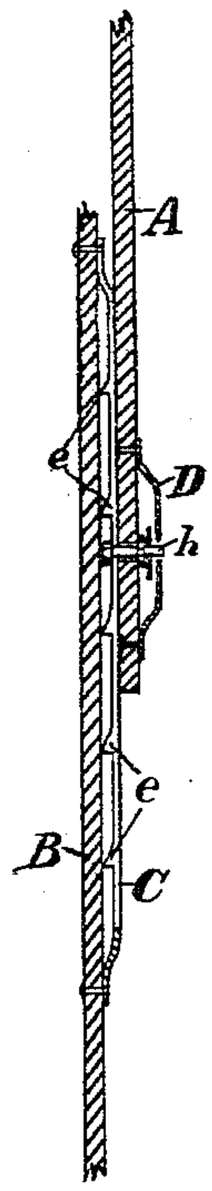

Fig. 2.

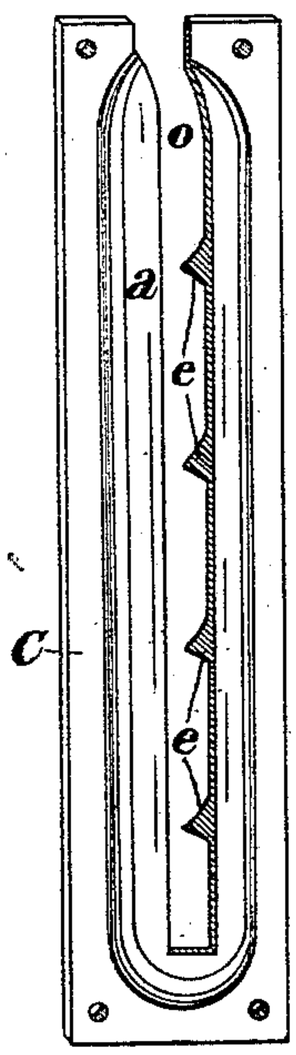

Fig. 3

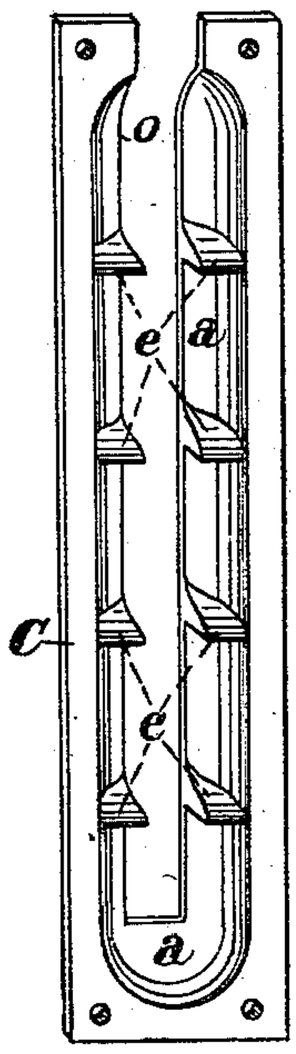

Fig. 4.

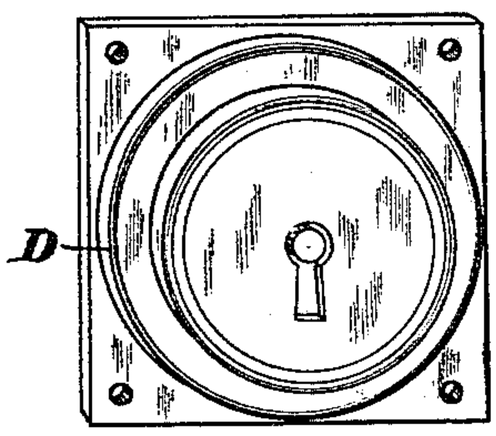

Fig. 5

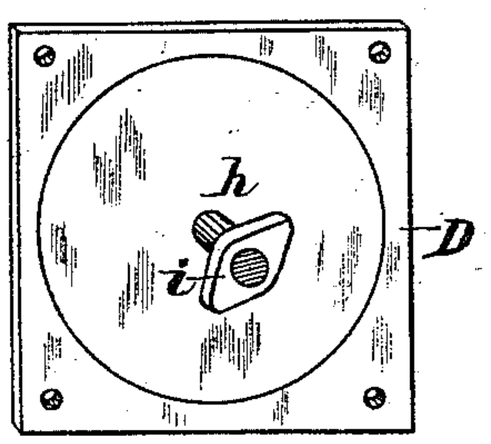

Fig. 6.

WITNESSES:

W. F. Barlow
A. J. Chapman

INVENTOR

Henry F. Lane,

BY

F. D. & J. Landon

ATTORNEY

UNITED STATES PATENT OFFICE.

HENRY F. LANE, OF BANGOR, MAINE.

LOCK FOR EXTENSION-CASES.

SPECIFICATION forming part of Letters Patent No. 424,486, dated April 1, 1890.

Application filed June 24, 1889. Serial No. 315,304. (Model.)

To all whom it may concern:

Be it known that I, HENRY F. LANE, a citizen of the United States, residing at Bangor, in the county of Penobscot and State of Maine, have invented a new and useful Extension-Lock for Extension-Cases; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved locking device for extension or telescopic cases; and it consists of a lock with a T-shaped bolt in connection with an improved bolt-holder for the same attached to the two parts of an extension-case, as will hereinafter be fully described.

Throughout the description reference is made to the accompanying drawings, in which—

Figure 1 represents a perspective view of an extension-case provided with my improved extension-lock, showing the case closed and locked. Fig. 2 is a sectional view of part of one side of an extension-case, showing section of lock and construction. Fig. 3 is an isometric view of the front of the extension-bolt holder of my device. Fig. 4 is a similar view of the back of the bolt-holder, showing position and construction of the bolt stops or studs. Fig. 5 is an isometric view of the front of the lock used with my device. Fig. 6 is an isometric view of the back of the same lock, showing the projecting T-shaped bolt.

Similar letters of reference refer to correspondingly-like parts throughout the several views.

The object of my invention is to provide a lock for extension-cases whereby they can be securely fastened with the two parts shut together any distance.

Referring to the drawings, D represents a trunk-lock containing any desired key-turning mechanism operating a bolt *h*, extending at right angles from the center of the back of the lock-case, said bolt being provided with a cross-piece *i*, rigidly fastened to its projecting end, forming a T-shaped lock-bolt, as shown in Fig. 6 of the drawings. This lock D is fastened upon the exterior of the extension or telescope case-cover A, near its lower edge, by means of rivets passing through holes drilled in each corner of the lock-case. The bolt *h* passes through the thickness of the side of the extension-case and projects slightly within the interior of the latter.

Fastened near the upper edge of the lower half B of the extension-case, projecting downward from this upper edge and directly under the point of meeting of the extending-bolt *h*, is the bolt-holder C, consisting of a rectangular piece of thin metal having a longitudinal convex center *a*, with a longitudinal slot *o* extending from its upper end almost its entire length. This slot *o* is cut entirely through the metal, and is of a width sufficient to admit the entrance of the lock-bolt *h*, protruding from the lock D. The under side of the convex portion *a* of the bolt-holder C is hollowed out and provided with small inward-projecting spurs or studs *e*, located at equal distances from each other along the edges of the slot *o* and transversely opposite each other.

The bolt-holder C is fastened to the exterior of the under half B of the extension-case, with the open end of the slot *o* uppermost and in such position as to come directly under the lock D when the two halves of the case are put together. This allows the bolt *h* of the lock D to enter the slot *o* of the bolt-holder, and the case can be drawn together as close as desired. The farther the two parts of the case telescope the lower the bolt enters the slot. Then by turning the key inserted in the lock D the bolt *h*, with its cross-piece *i*, will be turned quarter way round and the case locked. The bolt *h* is prevented from being withdrawn from the slot *o* by means of its cross-piece *i* coming in contact with the nearest studs *e*.

The manner of making or forming the bolt-holder C can be by any of the usual methods known to the art, for they can be cast in one piece with the raised portion *a* and spurs *e*, as shown in the drawings, or each bolt-holder can be stamped from sheet metal of the desired thickness, formed by means of pressure between dies and the spurs *e* struck or bent down at their proper places the desired depth to form bolt-stops, the same principle being used in either case.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. An improved locking device for telescope-cases, consisting of the combination of a lock having a T-shaped locking-bolt projecting from the rear thereof and suitable mechanism for operating the same, with the bolt-holder C, having a central raised portion provided with depressions or spurs projecting therein and a longitudinal slot *o* running therethrough to admit the bolt of the lock, in the manner substantially as shown, and for the purpose set forth and described.

2. An improved bolt-holder for locks having T-shaped bolts, consisting of a strip of metal or other suitable material, having a central raised or struck-up portion with depressions or spurs projecting therein, a longitudinal slot running through said raised portion, and provided with means for attachment to a telescope or other case, all substantially as shown and described.

HENRY F. LANE.

Witnesses:
W. H. HARLOW,
A. J. CHAPMAN.