S. S. BUTLER.

LOCK.

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1,158,630. Patented Nov. 2, 1915.

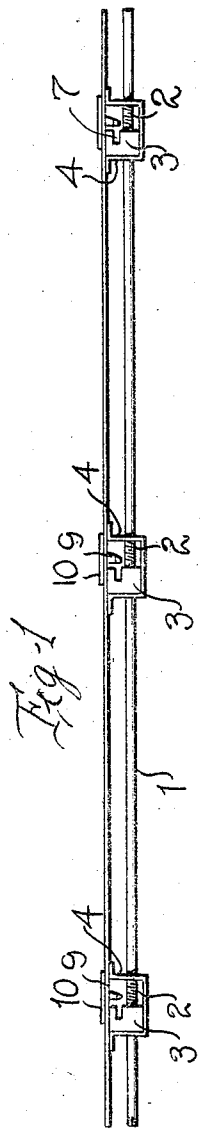


Fig. 1

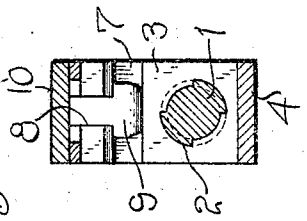


Fig. 3

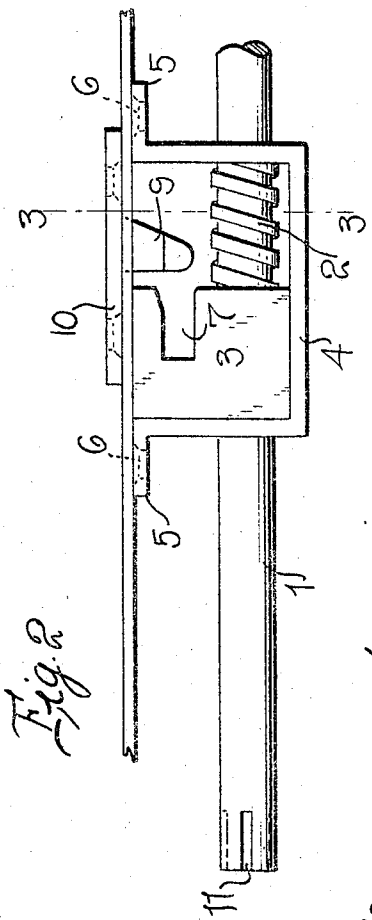


Fig. 2

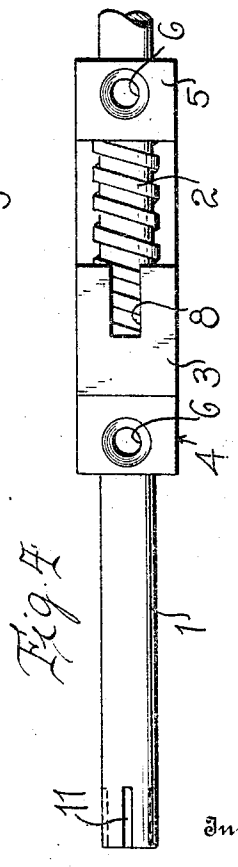


Fig. 4



Fig. 5

Inventor

S. S. BUTLER

By Watson E. Coleman

Attorney

UNITED STATES PATENT OFFICE.

SOLOMON S. BUTLER, OF NASHVILLE, TENNESSEE.

LOCK.

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To all whom it may concern:

Be it known that I, SOLOMON S. BUTLER, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Locks, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in locks and has relation more particularly to a device of this general character especially designed and adapted for use in connection with trunks or the like; and it is an object of the invention to provide a novel and improved lock including a multiple series of connections under control of a single member.

Furthermore, it is an object of the invention to provide a device of this general character including a rotatably supported member adapted to impart endwise movement to a plurality of bolts, each of said bolts coacting with a hasp member.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved lock whereby certain important advantages are attained and the device is rendered simpler, less expensive and otherwise more convenient and advantageous for use, all as will be hereinafter more fully set forth.

The novel features of the invention will be carefully defined in the appended claims.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein—

Figure 1 is a view in top plan illustrating a lock constructed in accordance with an embodiment of my invention; Fig. 2 is an enlarged fragmentary view in top plan illustrating certain details of my improved lock as herein embodied; Fig. 3 is a sectional view taken substantially on the line 3—3 of Fig. 2; Fig. 4 is a view in elevation of the device as illustrated in Fig. 2, with certain of the parts omitted; and Fig. 5 is a view in end elevation of the rotating member as herein embodied.

As disclosed in the accompanying drawings, 1 denotes an elongated member mounted for axial rotation and supported preferably by the body of a trunk or the like, and portions of said member are provided with the threads 2 with each of which portions is operatively engaged the bolt 3, said bolt being mounted for movement within the housing 4 substantially U-shape in form and through the sides of which the member 1 is also directed. The extremities of the housing 4 are angularly disposed, as at 5, and provided with suitable perforations 6 whereby the same may be anchored in applied position. The bolt 3 is provided with a transversely disposed open slot 7 having in communication therewith the open slot 8 adapted to operatively engage the headed member 9 carried by the hasp 10, said headed member 9 being substantially T-shape in form and one of the walls of the slot 7 at its forward edge is beveled to facilitate the coaction between the bolt 3 and the headed member 9. One extremity 11 of the member 1 is adapted to be suitably engaged by a key or other operating member whereby the requisite axial rotation may be imparted thereto, and it will be readily perceived that upon rotating the member 1 in one direction, the bolts 3 will be caused to operate in unison and properly engage their coacting headed members 9 and that a reverse rotation of the member 1 will result in a release of the hasps whereby the closure to which the hasps 10 are secured may be either locked in closed position or released.

From the foregoing description, it is thought to be obvious that a lock constructed in accordance with my invention is of an extremely simple and comparatively inexpensive nature and is particularly well adapted for use by reason of the convenience and facility with which it may be assembled, and it will also be obvious that my invention is susceptible of some change and modification without material departure from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice.

I claim:

A device of the character described com-

prising a shaft having portions thereof threaded, a bolt engaged with each of said threaded portions, said bolt having an open ended slot, and a hasp coacting with said bolt, said hasp including a headed member adapted to be disposed within the slot of the bolt.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

SOLOMON S. BUTLER.

Witnesses:
JESSE W. SPARKS,
J. R. HENRY.