G. H. WHEARY.

LOCKING FIXTURE FOR TRUNKS.

APPLICATION FILED JUNE 21, 1913.

1,235,266.

Patented July 31, 1917.

2 SHEETS—SHEET 1.

Fig. 1

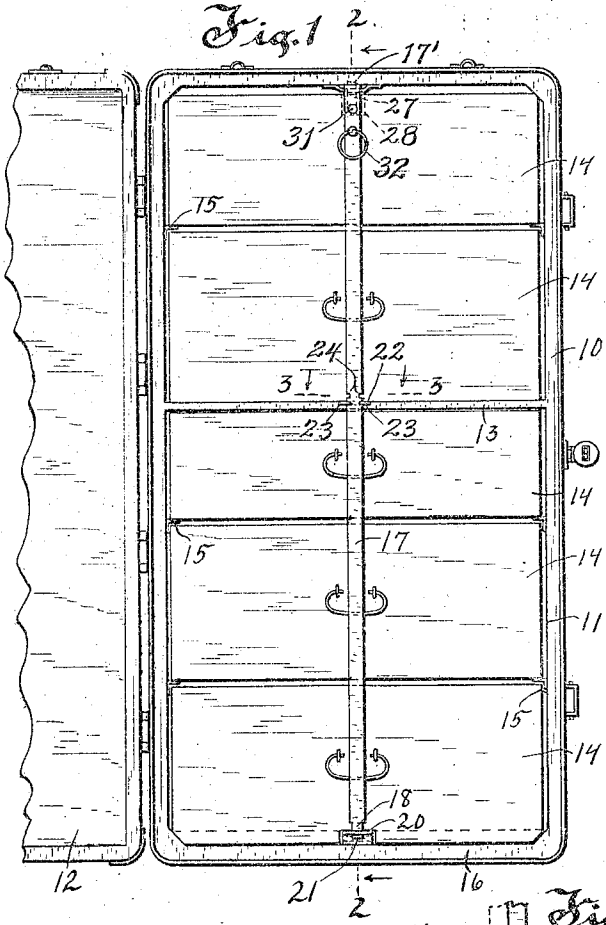


Fig. 2.

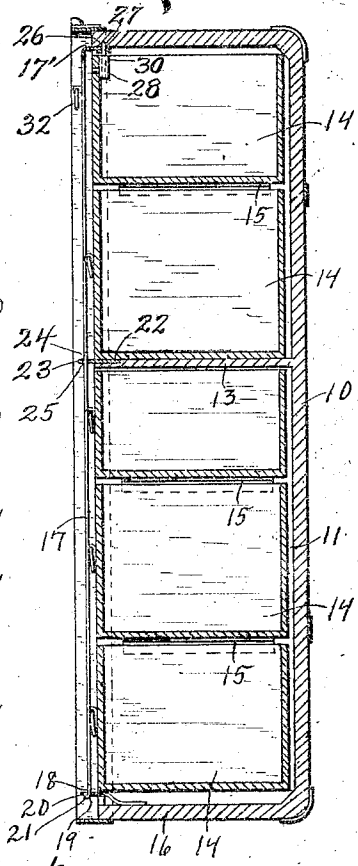


Fig. 3

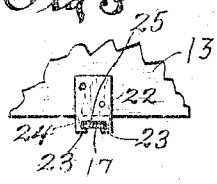


Fig. 6

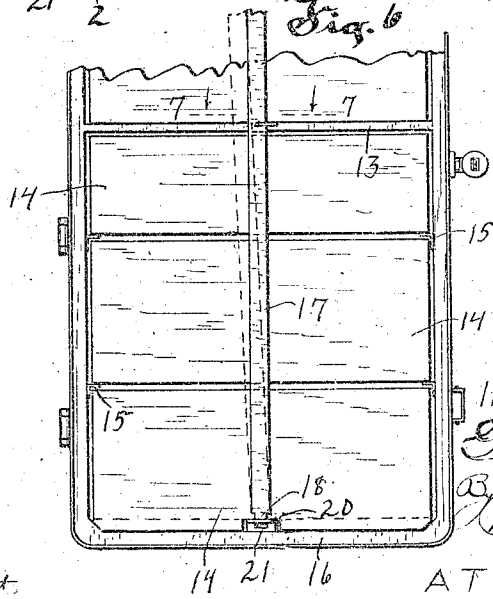
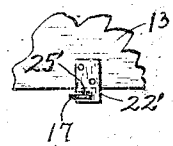


Fig. 7.



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2 SHEETS—SHEET 2.

Fig. 4.

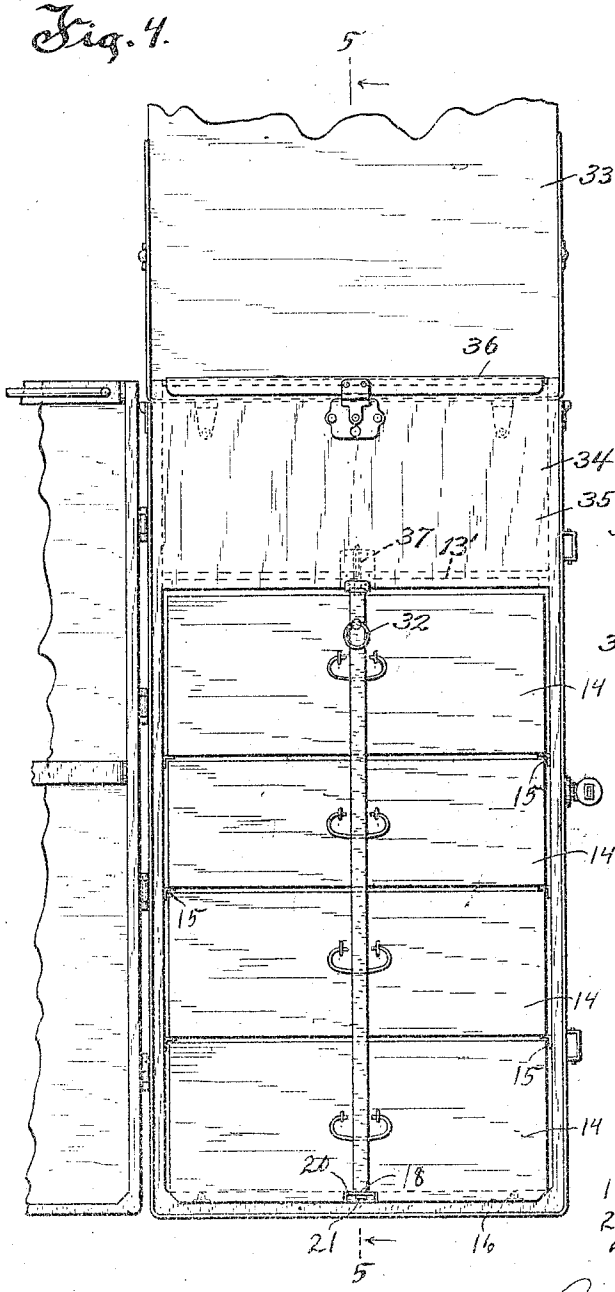
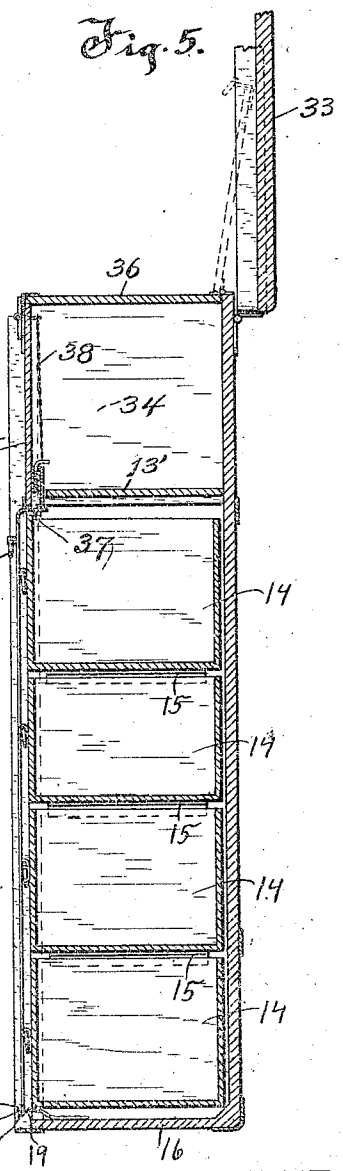


Fig. 5.



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UNITED STATES PATENT OFFICE.

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LOCKING-FIXTURE FOR TRUNKS.

1,235,266. Specification of Letters Patent. Patented July 31, 1917.

Application filed June 21, 1913. Serial No. 775,006.

To all whom it may concern:

Be it known that I, GEORGE HENRY WHEARY, a citizen of the United States, and resident of Racine, in the county of Racine and State of Wisconsin, have invented new and useful Improvements in Locking-Fixtures for Trunks, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention relates to improvements in locking fixtures for trunks and more particularly to trunks of the wardrobe type which are usually provided with a drawer section having a plurality of drawers.

In trunks of the wardrobe type one of the sections is usually provided with a number of drawers placed one above the other and if the drawers are not locked in closed position they will slide back and forth in their spaces during transportation and ultimately will injure or mar the face of the other trunk section and other parts against which they strike. This trouble may be overcome by providing a lock for each drawer but it is not desirable to unlock a considerable number of locks to gain access to the different drawers.

It is one of the objects of the present invention to overcome the objectionable features mentioned and provide a locking fixture for trunks which is adapted to secure all of the drawers of a trunk in a very simple manner by means of a single lock and also tie the horizontal walls of the trunk together.

A further object of the invention is to provide a locking fixture for trunks which is of simple, strong and durable construction and is well adapted for the purpose desired.

With the above and other objects in view, the invention consists of the improved locking fixture for trunks and its parts and combinations as set forth in the claim, and all equivalents thereof.

In the accompanying drawings in which the same reference characters indicate the same parts in all of the views:

Figure 1 is a front view of a wardrobe trunk provided with the improved locking fixture, the wardrobe section being swung to open position and partly broken away;

Fig. 2 is a vertical sectional view thereof taken on line 2—2 of Fig. 1;

Fig. 3 is a detail sectional view taken on line 3—3 of Fig. 1;

Fig. 4 is a front view of a modified form of trunk provided with a modified form of locking fixture, the wardrobe section and the top cover being swung to open positions and partly broken away;

Fig. 5 is a vertical sectional view thereof taken on line 5—5 of Fig. 4;

Fig. 6 is a fragmentary view of a trunk provided with a modified form of locking fixture; and

Fig. 7 is a detail sectional view taken on line 7—7 of Fig. 6.

Referring to the drawings the numeral 10 indicates a wardrobe trunk, 11 the drawer section thereof and 12 the wardrobe section which is hinged to the drawer section and forms the side or horizontally swinging door thereof. The drawer section is divided horizontally medially by a partition 13 to reinforce the trunk. Drawers 14 are slidably positioned in the drawer section above and below this partition and are supported, with the exception of the drawer resting on the partition, and the lower drawer on angle iron brackets 15 fastened to the side walls of the said section. The lower drawer is supported on the bottom portion 16 of the trunk.

In order to lock all of the drawers by a single lock, a lock bar 17 is provided which is adapted to have its lower reduced end 18 inserted in the slot 19 of the projecting arm 20 which is secured to the bottom portion 16 of the trunk.

The lower end 21 of the reduced end portion 18 of the bar is bent outwardly at right angles to prevent the removal of the bar from the arm except when swung forwardly toward horizontal position and to tie the trunk ends together.

The forward portion of the arm 20 is spaced from the trunk bottom and the reduced end portion is of sufficient length to permit a short longitudinal play of the bar in the arm to provide for other connections now about to be explained.

A bracing arm 22 fastened to the front portion of the medial partition 13 projects outwardly therefrom and at its front portion is provided with forwardly and inwardly extending angular projections 23 and the medial portions of the bar are notched as indicated by the numeral 24 to permit the bar to enter the transverse slot 25 formed by the angular projections when the bar is in its lowermost vertical position.

The transverse slot is of sufficient width to accommodate the unnotched portion of the bar so that when the bar is swung into the slot and then elevated to its upper position it will be locked against lateral movement by the angular projections.

The upper end 17′ of the lock bar 17 is bent inwardly at right angles and is provided with a bolt opening 26 to receive the bolt 27 of the lock 28 which is mounted in the upper drawer.

The bent end 17′ is adapted to extend into the bar space of the lock plate 29 and the bolt 27 in engaging the bent end passes through a bolt opening 30 in the plate and in a registering recess in the trunk section.

The lock bar is also provided with a key opening 31 registering with the keyhole of the lock to permit the insertion of the key in the lock and with a ring handle 32 for convenience in handling the bar.

From the foregoing description it will be seen that all of the drawers are locked by the one lock co-acting with the bar and that the operation of unlocking all of the drawers is a very simple one and also that the trunk ends of the drawer section are firmly tied together.

In the modified form shown in Figs. 4 and 5 the trunk is also provided with an upper cover 33 and the medial partition 13′ is placed nearer the upper end of the trunk and forms the bottom portion of a compartment 34 which is provided with a front wall 35 and a hinged top cover 36. The lock bar in this form terminates at a point adjacent to the medial partition and its upper bent end 17′ is adapted to swing beneath the medial partition and be engaged by the spring bolt 37 which is fastened to the front wall 35. The lower reduced end portion 18 of this bar is somewhat shorter than the bar of the other form as the bracing arm is omitted and it is, therefore, not necessary to provide for the longitudinal movement of the bar. A chain 38 fastened to the bolt extends upwardly to a point adjacent to the hinged top cover 36 so that when the said cover is unlocked access may be had to the chain to unlatch the lock bar and permit the drawers 14 of this form to be opened.

Figs. 6 and 7 show a modified form of brace arm in which the notches of the lock bar are omitted and the brace arm 22′ is provided with a side slot 25′ into which the lock bar is swung to prevent lateral movement thereof.

From the foregoing description it will be seen that the locking fixture is of very simple construction and is well adapted to perform the function desired.

What I claim as my invention is:

The combination with a trunk having a plurality of drawers, of a locking fixture therefor, comprising a projecting slotted arm connected to the lower portion of the trunk, a locking means located at the upper end portion of the trunk, a bracing arm projecting from a medial portion of the trunk and having forwardly and inwardly extending angular projections, and a bar positioned in front of the drawers and having an angular reduced end portion which enters the slot of the projecting arm and having an angular upper end which engages the locking means to lock the drawers in closed position and to tie the trunk ends together, the medial portion of the bar being notched to permit the said portion to enter the space between the projections and the bar to be locked to said bracing arm.

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

GEORGE HENRY WHEARY.

Witnesses:
J. F. CLANCY,
ANNA M. NELSON.