

R. J. MCGHEE & C. E. ANDERSON.
 PARTITION FOR SHIPPING PACKAGES.
 APPLICATION FILED DEC. 1, 1911.

1,065,157.

Patented June 17, 1913.

Fig. 1.

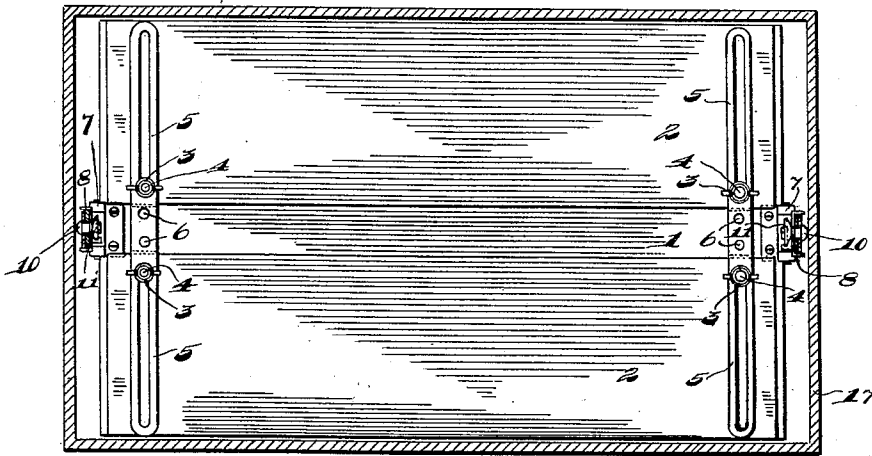


Fig. 2.

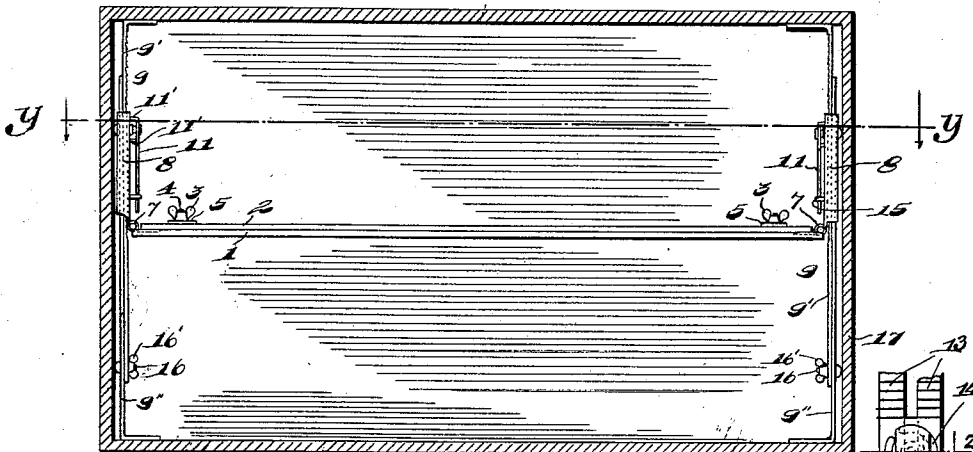


Fig. 4.

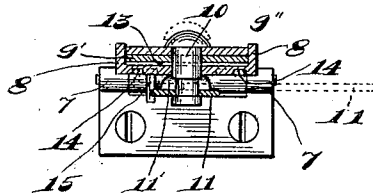
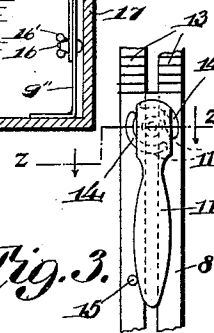


Fig. 3.



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UNITED STATES PATENT OFFICE.

ROY J. MCGHEE AND CHARLES E. ANDERSON, OF CHICAGO, ILLINOIS.

PARTITION FOR SHIPPING-PACKAGES.

1,065,157.

Specification of Letters Patent.

Patented June 17, 1913.

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To all whom it may concern:

Be it known that we, ROY J. MCGHEE and CHARLES E. ANDERSON, both citizens of the United States, and residents of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Partitions for Shipping-Packages, of which the following is a specification.

Our invention relates to partitions for shipping packages and more specifically to a partition adapted to be removably arranged in a shipping package, such as a trunk, and adjusted therein to divide the same into separate and independent compartments.

The object of our invention is the production of a partition of the character mentioned which may be readily and easily adjusted to fit shipping packages of various dimensions, and which will be adapted when in use to efficiently serve the purpose for which the same is designed, viz., as a partition to divide the package into independent compartments.

A further object is the production of a partition as mentioned which will be of simple and economical construction and hence one which may be manufactured at an exceedingly low cost.

Other objects will appear hereinafter.

With these objects in view our invention consists in the combinations and arrangements of parts hereinafter described and claimed.

Our invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which—

Figure 1 is a section of a trunk embodying our invention taken on substantially line Y Y of Fig. 2. Fig. 2 is a horizontal section of the trunk showing the partition arranged therein in a vertical position. Fig. 3 is a fragmental view, in elevation, of the locking means on the supports in our device, and Fig. 4 is an enlarged detail section taken on substantially line Z Z of Fig. 3.

The preferred form of construction as illustrated in the drawings comprises a partition consisting of the body 1, the latter being flat as shown and rectangular in peripheral form to conform with the contour of the interior of the trunk or package in which the same is designed to be used. Mounted upon the longitudinal edges of the

body 1 are movable sections or leaves 2, through the medium of which the partition is rendered applicable for use in conjunction with trunks or packages of various widths or dimensions. The sections 2 are held in positions of adjustment relative to the body 1 by means of thumb nuts 3 which engage the outer ends of screws 4, the latter being carried by the inner edge portions of the sections 2, the outer ends of said screws projecting through longitudinally slotted straps or cleats 5 which are arranged at the respective extremities of the body 1, the medial portions of said straps being rigidly secured to said body by means of rivets 6. With this arrangement it will be observed that upon releasing of the sections 2, by the nuts 3, said sections may be moved laterally to any desired position, the same being locked in adjusted positions by simply turning said thumb nuts.

Hingedly secured at 7 to the respective extremities of the body 1, and medially of said extremities are channel leaves 8 adapted, as set forth in the following, to serve in the capacity of holders. Slidably mounted in each of the holders 8 is an elongated bar 9, composed of the slidable sections 9' and 9''. The sections 9' and 9'' are adjustably connected with the holder 8 by means of a headed stud or pin 10 which engages longitudinally extending slots provided in said sections, the inner end of said stud projecting through the holder 8 adjacent the free end thereof for pivotal connection with a binding member 11, as clearly shown in Fig. 4. Provided upon each of the cam members 11 at the pivoted end thereof are inwardly projecting rounded engaging flanges 11' which are adapted to engage against the adjacent surface of the holder 8, the same being adapted, when in the position shown in full lines in the several figures, to coöperate with the stud 10 in forcing the extremity 12 of the holder into engagement with the adjacent side of the bar section 9', to lock the arm section in adjusted positions. The inner sides of the section 9' are preferably provided with teeth 13 for engagement with the ends 12 of the members 8 to insure a positive locking of said sections against sliding movement, when the members 11 are in operative position. Provided in the inner side of each of the members 8 at opposite sides of the pivoted pin 10 are arcuate depressions 14

adapted for registration with the engaging points or flanges 11' of the corresponding cam member 8, so that when the latter is turned to a position at right angles to that in which the same is shown in full lines or as shown in dotted lines in Fig. 4, said engaging points or flanges will release the engaging end portion of the member 8 to permit of sliding adjustment of the corresponding arm 9. With this arrangement then, it will be seen that after adjustment of the arms 9 as desired, the same may be readily and expeditiously locked in positions of adjustment by simply turning the members 11 to the positions shown in full lines in the several views, there being stops 15 provided to hold said members in proper positions. When it is desired to release the arms 9 it is only required to turn said members through 90 degrees or to a position in which the same extend outwardly from the arms 9, in which event the engaging points 11' will be in engagement with the recesses and hence in inoperative position permitting of free movement of said arms. The lower ends of the sections 9 and 9' are preferably connected by means of screws 16 and thumb nuts 16', the former engaging the registering slots in said arms. Said screws and thumb nuts serve merely as additional means of locking the arm sections in adjusted positions and so that when it is desired to alter the relative positions of said arm sections, said nuts 16' are released.

In using the partition the same is arranged in the package or trunk which is indicated at 17, the arms 9 being adjusted in length so that the extremities thereof will engage against opposing walls of the package; the partition being adapted to be arranged in horizontal position as shown in Fig. 1 or in vertical position as shown in Fig. 2. By hingedly connecting the arms 9 with the partition proper, it is clear that the device may be adjusted so that the partition

proper will extend diagonally within the package to divide the interior of the latter into compartments of corresponding form which is often desirable. Also by reason of this hinged connection of the arms 9 with the partition proper, said arms, when not in use, may be folded down and so that the device will occupy a minimum amount of space for storage or shipping.

While we have illustrated and described the preferred form of construction for carrying our invention into effect, this is capable of variation and modification without departing from the spirit of the invention. We therefore do not wish to be limited to the exact details of construction set forth but desire to avail ourselves of such variations and modifications as come within the scope of the appended claim.

Having described our invention, what we claim as new and desire to secure by Letters Patent is:

A partition for shipping packages comprising a flat body; bars carried at opposite ends of said body and extending substantially perpendicular thereto, the extremities of said bars being adapted to engage the interior walls of said package to space said body between opposing walls of said package; holders at the ends of said body, said bars being slidably mounted in said holders; teeth on said bars engageable by said holders for locking said bars in positions of adjustment in said holders; and cam members for forcing said holders into engagement with said teeth, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

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