

R. HERRMANN.
HANDLE FOR TRUNKS, &c.
APPLICATION FILED DEC. 8, 1902.

NO MODEL.

Fig. 1

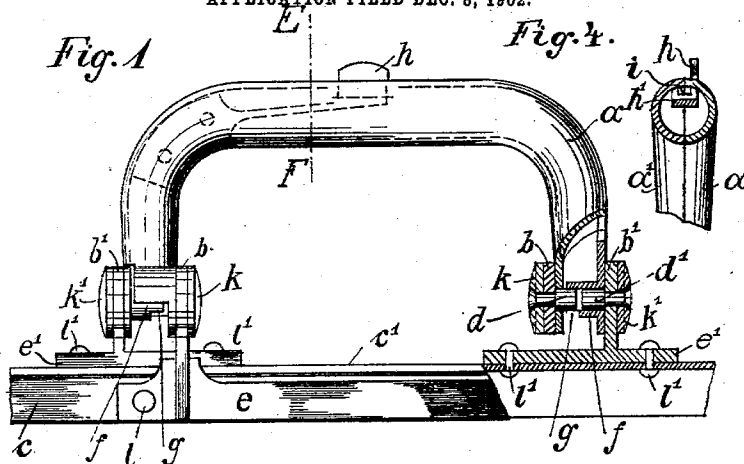


Fig. 4.

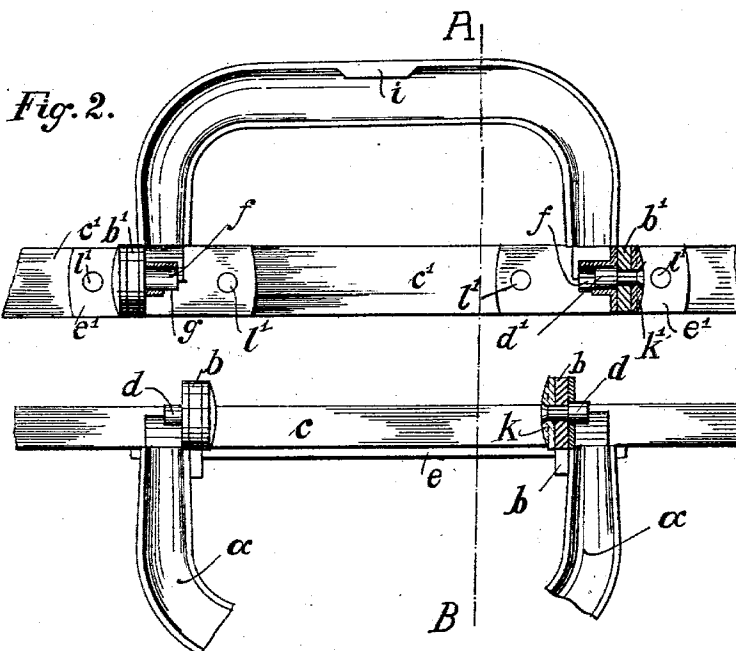
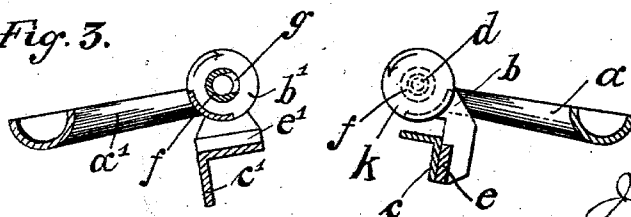


Fig. 3.



Witnesses
R. G. Gullman Jr.
J. G. Hinkel

Inventor
Rudolf Herrmann
by
J. G. Hinkel
Attorneys.

UNITED STATES PATENT OFFICE.

RUDOLF HERRMANN, OF OFFENBACH-ON-THE-MAIN, GERMANY, ASSIGNOR
TO FIRM OF HUPPE & BENDER, OF OFFENBACH-ON-THE-MAIN, GERMANY.

HANDLE FOR TRUNKS, &c.

SPECIFICATION forming part of Letters Patent No. 720,803, dated February 17, 1903.

Application filed December 8, 1902. Serial No. 134,358. (No model.)

To all whom it may concern:

Be it known that I, RUDOLF HERRMANN, a subject of the German Emperor, residing and having my post-office address at 13 Ludwigstrasse, Offenbach-on-the-Main, Germany, have invented certain new and useful Improvements in Handles for Trunks and the Like, of which the following is a specification.

My invention relates to improvements in handles for trunks, portmanteaus, and the like; and the objects of my improvement are, first, to so shape two handles that on bringing them together they form a single handle with a single axis; second, to hinge the two handles upon the two detachable parts, respectively, of a trunk, portmanteau, and the like; third, to provide two projecting pins in the axis of one of said handles; fourth, to provide two tubes in the axis of the other of said handles, the two tubes being so slotted as to allow the projecting pins of the other handle to enter and to again withdraw when said two handles are turned aside, but to retain same when the two handles are brought together; fifth, to provide the one handle with an inward projection, and, sixth, to provide the other handle with an elastic latch for engaging the said projection of the first handle. I attain these objects by the mechanism illustrated in a mode of execution in the accompanying drawings, in which—

Figure 1 is an elevation of the two handles attached to the two bow-frames of a portmanteau, the handles being shown in their closed positions and partly in section. Fig. 2 is a plan of the same, the handles being shown in their opened positions and partly in section. Fig. 3 is a vertical cross-section through the same on the line A B in Fig. 2, the hinge of the left handle being shown in a section through the line C D in Fig. 2; and Fig. 4 is a cross-section through the line E F in Fig. 1.

Similar letters of reference refer to similar parts throughout the several views.

The two handles *a* and *a'* are shown as attached to a portmanteau by means of four hinge-plates *b b b' b'*. The two hinge-plates *b b* are assumed to be both made in one piece with a plate *e*, which can be secured on the one bow-frame *c* by means of rivets *l* or otherwise. The two other hinge-plates *b' b'*, however, are assumed to be made each in one

piece with a plate *e'*, so as to facilitate the mounting of the parts. The two plates *e'* are secured on the other bow-frame *c'* by means of rivets *l' l'* or otherwise.

To the two hinge-plates *b b* on the one bow-frame *c* two pins *d d* are so riveted, with the aid of the two washers *k k*, as to project outward. To the two hinge-plates *b' b'* on the other bow-frame *c'* also two pins *d' d'* are, in a similar manner, riveted with the aid of the two washers *k' k'*, but they project inward. The pins *d d d' d'* serve as axles for the handles *a* and *a'*, respectively, which are mounted to turn on them. The ends of the one handle *a* are so formed as to bear against the hinge-plates *b b*, and, besides this, they are so cut out (see Figs. 1 to 3) as to allow of the ends of the other handle *a'* engaging in the cuts when the portmanteau is closed—i. e., when the bow-frame *c* engages in the bow-frame *c'*. (Vide Fig. 3.) The ends of the other handle *a'* are similarly shaped; but they are, moreover, provided with tubes *f f* surrounding and projecting beyond the pins *d' d'*. The tubes *f f* are provided with slots *g g*, into which the pins *d d* of the opposed handle *a* can engage. The slots *g g* are so placed as to allow the pins *d d* to enter or to withdraw only when the two handles are turned downward, as is clearly shown at Figs. 2 and 3. When the portmanteau is closed—i. e., when the two bow-frames *c* and *c'* engage in each other and the two pins *d d* of the one handle *a* have entered the cavities of the tubes *f f* through the slots *g g*—all that is required for securing the portmanteau in its closed position is merely to turn upward the two handles *a* and *a'*. (See Fig. 1.) Then the two tubes *f f* will have so changed their positions as to retain the pins *d d* and prevent them from getting back. For the purpose of securing the two handles in their closed positions the one handle *a* is preferably provided with an elastic latch *h* and the other handle *a'* with an inward projection *i*, Figs. 2 and 4, behind which the hooked arm *h'* of the latch *h* snaps. On depressing the latch *h* the two handles *a* and *a'* can be detached and turned downward to open the portmanteau.

Of course, where it is so preferred, the elas-

tie latch *h* may further be locked by means of a suitable bolt and key (not shown) in any known manner.

The handles described above can be varied without deviating from the spirit of my invention, and they can also be applied to a trunk or the like.

What I claim as my invention, and desire to secure by Letters Patent, is—

- 10 1. The combination with a handle hinged upon the one part of a trunk, portmanteau and the like, of another handle hinged upon the other detachable part of said trunk, portmanteau and the like, the said two handles
- 15 forming when brought together a single handle with a single axis, a projecting pin arranged in the axis of one of said handles, a tube arranged in the hinge-axis of the other of said handles and provided with a slot to
- 20 allow said projecting pin to enter and to again withdraw when said two handles are turned aside, said tube serving for securing said projecting pin when said two handles are brought together, and means for securing
- 25 said two handles when brought together and for again releasing them, substantially as set forth.
2. The combination with a first handle, of means for hinging said first handle upon the
- 30 one part of a trunk, portmanteau and the like, a second handle, means for hinging said second handle upon the other detachable part of said trunk, portmanteau and the like, the said two handles forming when brought to-
- 35 gether a single handle with a single axis, a projecting pin secured on said hinging means on either part of said trunk, portmanteau and the like, in the axis of same, a tube secured on the handle on the other part of said trunk,
- 40 portmanteau and the like in the axis of same and provided with a slot to allow said projecting pin to enter and to again withdraw when said two handles are turned aside, said tube serving for securing said projecting pin when

said two handles are brought together, an inward projection provided on one of said two handles, and an elastic latch provided on the other of said two handles for engaging and releasing said inward projection, substantially as set forth.

3. The combination with a first handle, of a first pair of hinge-plates secured on the one part of a trunk, portmanteau and the like, the pins of said first pair of hinge-plates for said first handle being arranged in the same center line and projecting outward, a second handle, a second pair of hinge-plates secured on the other part of a trunk, portmanteau and the like, the pins of said second pair of hinge-plates for said second handle being arranged in the same center line and projecting inward, so that on closing said trunk, portmanteau and the like and bringing together said two handles the latter form a single handle with a single axis, while the projecting ends of said hinge-pins are opposed to each other in the common center line, two tubes secured on one of said handles and surrounding its two hinge-pins, they projecting beyond the latter and being each provided with a slot to allow the respective projecting pin end of the other handle to enter and to again withdraw when said two handles are turned aside, said two tubes serving for securing said projecting pin ends when said two handles are brought together, an inward projection provided on one of said two handles, and an elastic latch provided on the other of said two handles for engaging and releasing said inward projection, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RUDOLF HERRMANN.

Witnesses:

FRANZ HASSLACHER,
MICHAEL VOLK.