

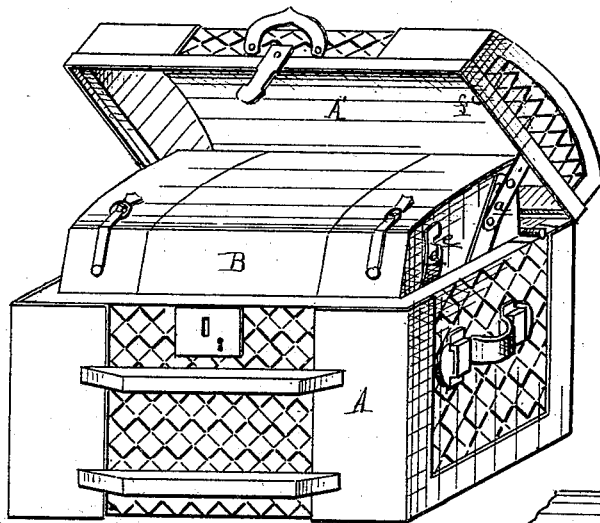
H. VOGLER.

Trunk.

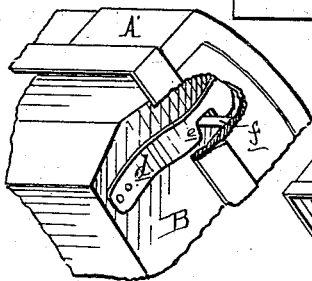
No. 168,544.

Patented Oct. 5, 1875.

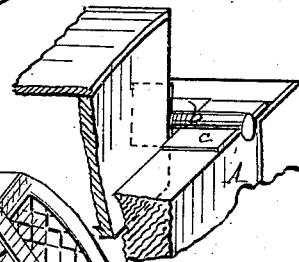
*Fig. 1.*



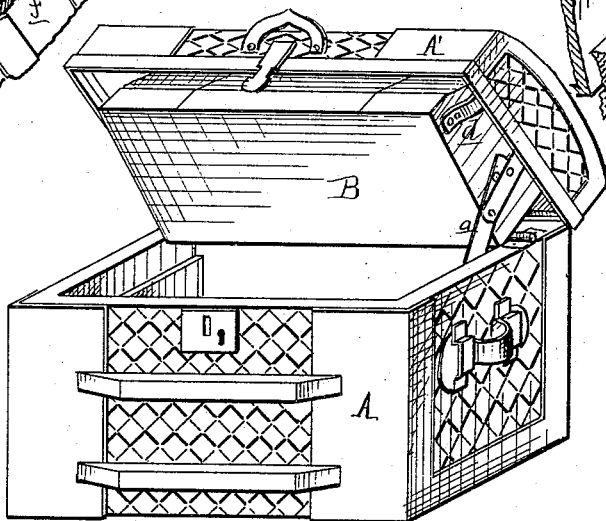
*Fig. 4.*



*Fig. 3.*



*Fig. 2.*



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# UNITED STATES PATENT OFFICE.

HERMAN VOGLER, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN TRUNKS.

Specification forming part of Letters Patent No. **168,544**, dated October 5, 1875; application filed July 26, 1875.

*To all whom it may concern:*

Be it known that I, HERMAN VOGLER, of Chicago, in the county of Cook and State of Illinois, have invented an Improvement in Trunks, of which the following is a specification:

The object of my invention is an improvement in trunks of that variety wherein a box-tray is made to fold up into the lid; and my invention therein consists in the peculiar devices for locking the tray to the lid, when the said tray is hinged to the trunk in front of and eccentric to the lid, and when the several parts operate as more fully hereinafter explained.

Figure 1 is a perspective view of my trunk with the lid raised, but with the box-tray down. Fig. 2 is a similar view, but with the tray folded up into the lid. Fig. 3 is a perspective view of a tray-hinge. Fig. 4 is a perspective view of the tray-spring and its catch, with portions of the lid and tray end.

In the drawing, A represents the box of the trunk, having a deep Saratoga lid, A', hinged thereto in the usual way, the latter sustained in position, when the trunk is open, by a folding brace, a. B is a box-tray, arranged to sit partly in the trunk-box, but the larger part is received in the lid.

At each rear corner of the tray there is a laterally-projecting pin, b, which is received in a grooved metal plate, c, let into the top

edge of the trunk-body to serve as a hinge, but from which plate the tray may be readily detached by simply lifting the tray out of the trunk. On one end of the tray, near the front edge, a vertical leaf-spring, d, is secured by screws through its lower end, presenting its convex surface to the adjacent end of the lid. In the rear edge of the spring is cut a notch, e, in which slips the end of a stud, f, projecting inwardly from the end of the lid. As the tray is swung up into the lid, this stud compresses said spring until it is received in the notch, whereby the tray is locked in the elevated position. The tray is detached from the lid when the latter is lowered, as the pivot-point of the tray is in advance of and eccentric to that of the lid. As the tray is lowered its spring advances, and the stud passes out of the notch.

What I claim as my invention is—

The combination, with the trunk A and lid A', of the tray B, hinged to the trunk in advance of and eccentric to the said lid, the vertical leaf-spring d, having the notch e on its rear side, and the stud f, the several parts being arranged and operating in the manner described and shown.

HERMAN VOGLER.

Witnesses:

FRIED. HERING,  
G. GERLACH.