

(No Model.)

E. A. JUDD.
TRUNK LOCK.

No. 515,690.

Patented Feb. 27, 1894.

Fig. 1.

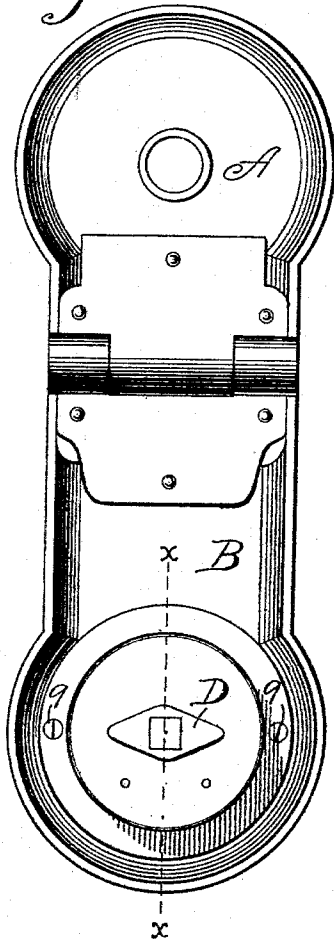


Fig. 2.

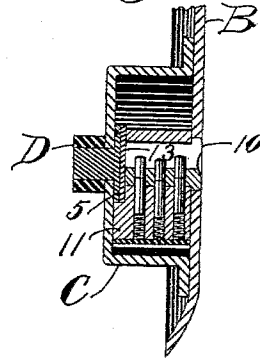


Fig. 3.

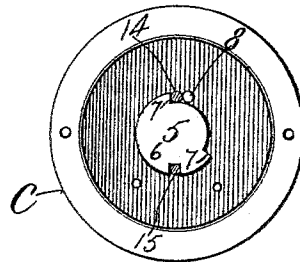
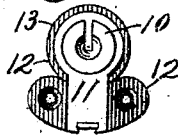


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD A. JUDD, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE
CORBIN CABINET LOCK COMPANY, OF SAME PLACE.

TRUNK-LOCK.

SPECIFICATION forming part of Letters Patent No. 515,690, dated February 27, 1894.

Application filed November 3, 1893. Serial No. 489,911. (No model.)

To all whom it may concern:

Be it known that I, EDWARD A. JUDD, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Hasp-Locks, of which the following is a specification.

My invention relates to improvements in hasp locks, and the main object of my improvement is to form the cup shaped portion of the hasp separable from the pin tumbler lock so that it may be struck up from sheet metal.

In the accompanying drawings: Figure 1 is a rear elevation of my hasp lock. Fig. 2 is a longitudinal section of the lock portion of the same taken on the line xx of Fig. 1. Fig. 3 is a front elevation of the hasp cup detached, together with a sectional view of the coupling pins of the pin tumbler lock, and Fig. 4 is a front elevation of the pin tumbler lock and its case as detached.

The lock is of the class in which the hasp plate is secured upon a swivel bolt, while the lock proper is arranged within a cup shaped projection on the back of the hasp, the same being received in a keeper with a round socket, so that the hasp can swivel slightly at both ends.

A designates the hasp plate and B the hasp having on its back side a cup shaped projection C. This cup shaped part I propose to form separate from the lock and hasp, and preferably struck up from sheet metal. Upon its back is the usual T shaped bolt or button D for securing the hasp within its keeper.

Within the cup shaped part and made rigid with the bolt or button D is a coupling disk 5 having a narrow notch 6 for the reception of a coupling pin, and a wider notch having a stop shoulder 7 at each end thereof. The cup shaped part C may be attached to the hasp B in any proper manner, as for example by means of the screws 9 which pass through the flange of said cup shaped part into the body of the hasp. The front of the hasp B is provided with a hole in axial alignment with the hub of the T shaped bolt D to receive the

front end of the cylinder or plug 10 of an ordinary pin tumbler lock. I provide the pin tumbler lock case 11 with wings 12 whereby it may be secured to the back part of the cup shaped part C by means of screws.

The general construction of the lock including its tumblers and springs may be of ordinary construction. At the rear end of the pin tumbler lock case 11, I secure rigidly to the end of the cylinder or plug 10 a coupling disk 13, and to this coupling disk I secure, preferably two coupling pins 14 and 15, the pin 15 fitting in the narrow slot of the coupling plate for the bolt, while the pin 14 lies between the stop pin 8 and one of the shoulders 7. The pin tumbler lock has the usual mode of operation and when turned in one direction brings the pin 14 against the stop pin 8, thereby stopping the revolution of the bolt which is driven in this direction by the pin 15, leaving the bolt in the position shown in Figs. 1 and 2 ready to be engaged and disengaged to and from the keeper, or in other words unlocked. Upon turning the pin tumbler cylinder or plug in the opposite direction, both of the pins 14 and 15 act to drive the bolt and stop it in its revolution at the proper point for locking the parts when the shoulder 7 strikes the stop pin 8. If desired the pin 15 may be omitted.

By my improvements, the pin tumbler lock and its case may be constructed and completed by itself independently of the cup shaped part C. The cup shaped part C may be, if desired, struck up from sheet metal and is made separable from the lock proper.

I claim as my invention—

A hasp lock having the hasp B, the cup shaped part C provided with a bolt and the separable pin tumbler lock and case secured to said cup shaped part and connected by a coupling with said bolt, substantially as described and for the purpose specified.

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Witnesses:

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