(No Model.)

B. SCHNURR.

TRUNK LOCK.

No. 594,759. Patented Nov. 30, 1897.

FIG. 1.

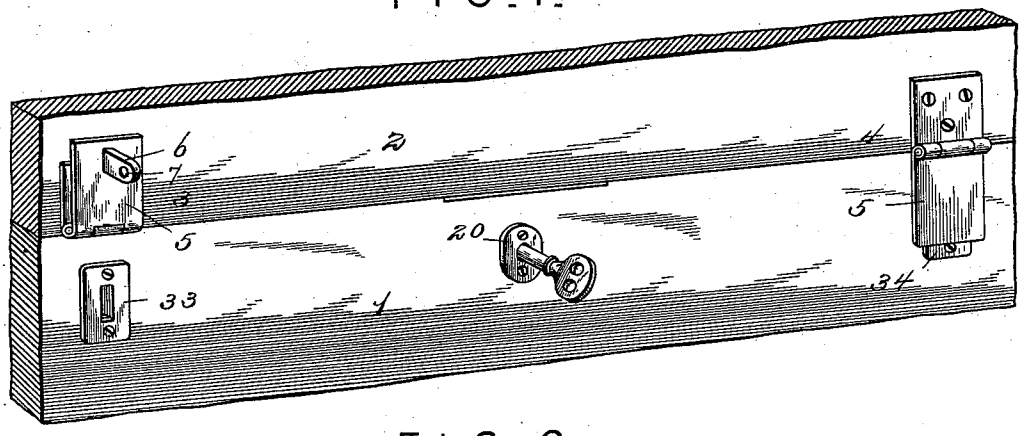


FIG. 2.

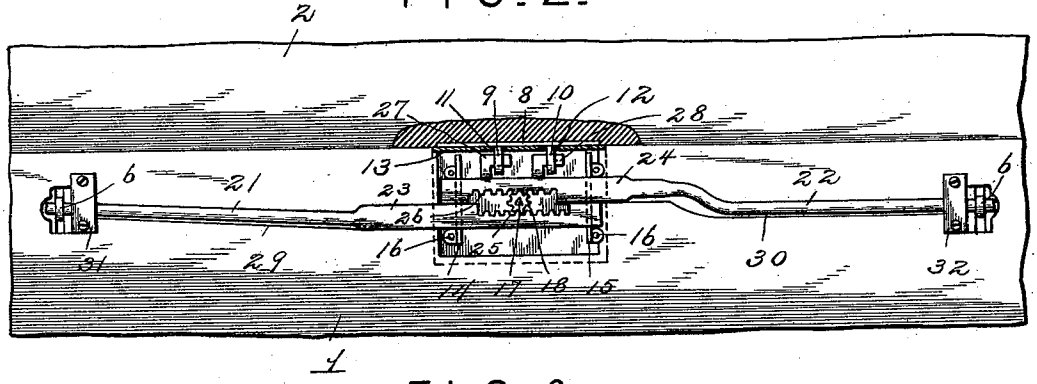


FIG. 3.

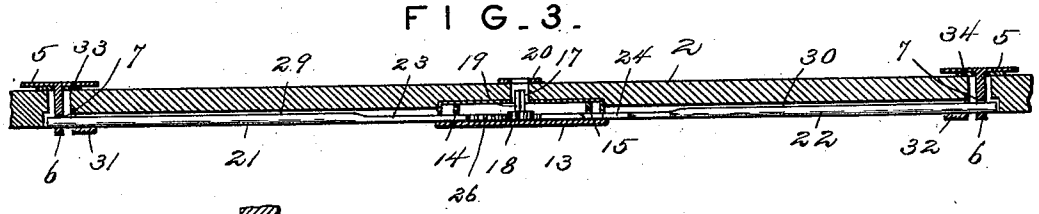


FIG. 4.

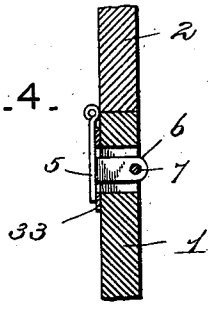


FIG. 5.

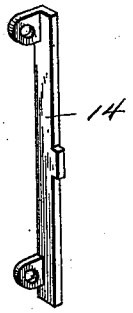
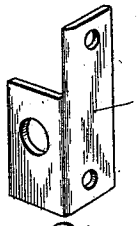


FIG. 6.



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(No Model.)

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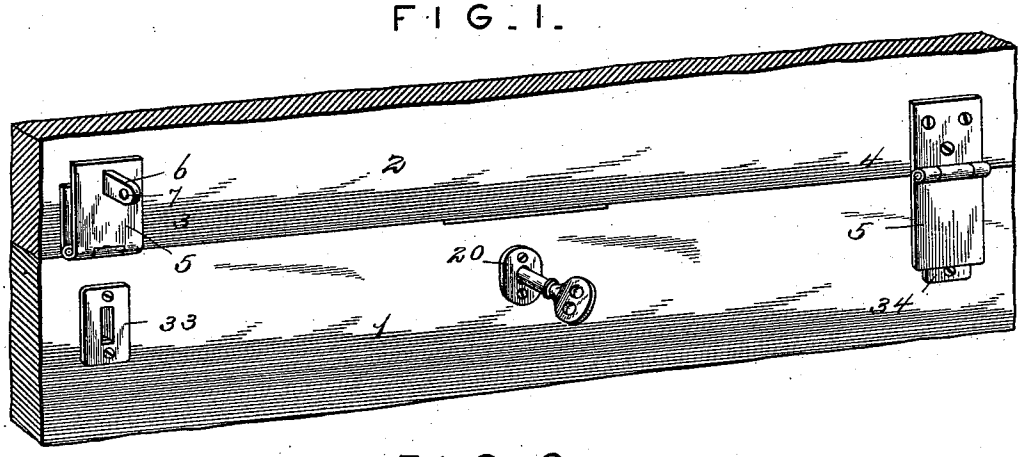


FIG. 2.

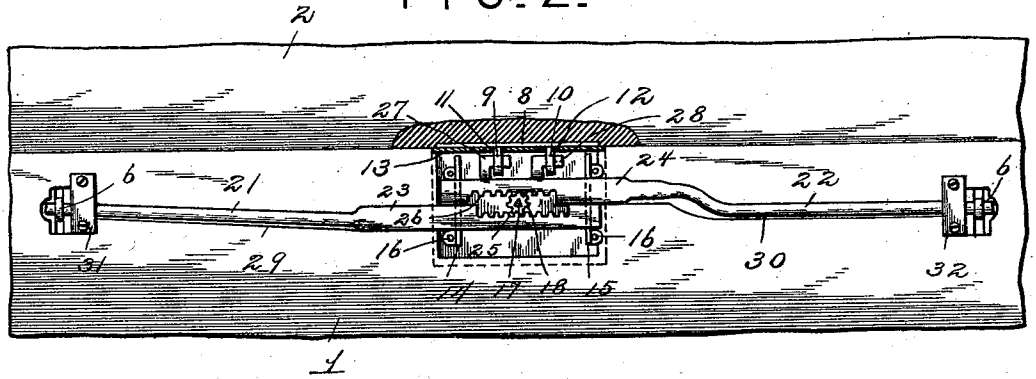


FIG. 3.

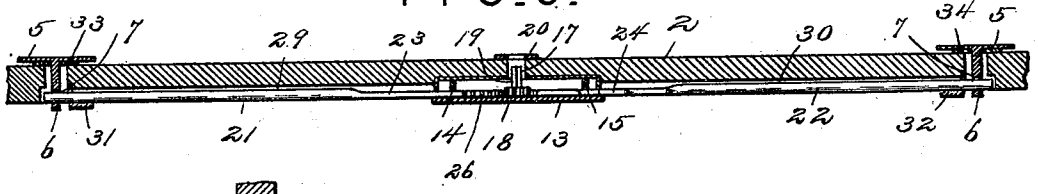


FIG. 4.

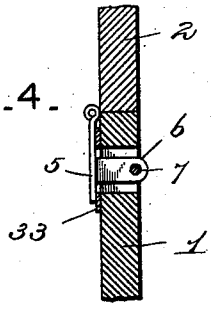


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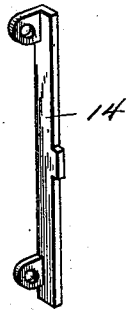
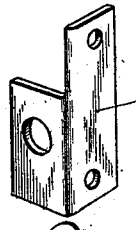


FIG. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

BERNHARD SCHNURR, OF HUNTSVILLE, ALABAMA.

TRUNK-LOCK.

SPECIFICATION forming part of Letters Patent No. 594,759, dated November 30, 1897.

Application filed July 21, 1896. Serial No. 600,051. (No model.)

To all whom it may concern:

Be it known that I, BERNHARD SCHNURR, a citizen of the United States, residing at Huntsville, in the county of Madison and State of Alabama, have invented certain new and useful Improvements in Trunk-Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to trunk-locks.

My object is to provide an extremely simple and strong trunk-lock which will simultaneously lock the trunk cover or top at different points in a highly superior manner and one which can be purchased at a small initial cost.

Having this object in view my invention consists of a trunk of novel and improved construction, as will appear more fully hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a section of a trunk and its cover, showing one of the hasps locked and the other down; Fig. 2, a rear or inside elevation showing the lock-casing broken away to disclose the mechanism therein. Fig. 3 is a horizontal sectional view; Fig. 4, a cross-section taken immediately next one of the hasps, and Figs. 5 and 6 perspective details of certain guides.

The numeral 1 designates a section of an ordinary trunk, and 2 a portion of its cover.

My improved locking-hasps are shown at 3 and 4, respectively, each being provided with a portion which is connected to the cover and being provided with a hinged leaf 5, to which is connected an ear 6, having a circular opening 7. In the present instance I have shown only two of these hasps; but it is obvious that as great a number could be employed as desirable.

The numeral 8 designates a plate which is secured to the lower edge of the cover and centrally of the length thereof, said plate being provided with two elongated eyes 9 and 10 of ordinary construction. The ears fit into respective openings 11 and 12 in the trunk-body when the hasps are closed, while the eyes project down into the casing of the lock, which will now be described.

The lock-casing is designated by the numeral 13, being suitably connected to the trunk-body.

The numerals 14 and 15 designate guides which have ears through which pass screws or other fastening devices 16.

The numeral 17 designates a rotatable spindle on which is located a pinion 18, and this spindle is formed with a triangular portion 19, which projects through a suitable key-plate 20 on the front of the trunk.

The numerals 21 and 22 designate locking-rods which have flattened portions 23 and 24, that are slidable in the guides of the lock-casing and are provided with lugs 25 and 26, which mesh with the pinion on opposite sides thereof. The flattened portion of the upper locking-rod is provided with two L-shaped catches 27 and 28, which are adapted to engage with the elongated eyes connected to the plate at the central portion of the trunk-cover. The locking-rods preferably slide in grooves 29 and 30, made in the inner face of the trunk-body, and work through respective guides 31 and 32, located near the openings at the end of the body.

The numerals 33 and 34 designate wear-plates which are connected to the outer face of the trunk-body and through which the ears of the locking-hasps pass.

The operation is as follows: When the key is fitted over the triangular portion of the spindle and turned in one direction, the locking-rods are forced through the circular openings in the ears of the locking-hasps. At the same time the L-shaped catches are passed through the eyes at the center of the cover, so that the trunk is strongly locked in three places. Upon turning the key in the opposite direction the locking-rods are retracted, as are also the catches, and the trunk is unlocked.

I sometimes find it preferable to employ additional catches, as it is at times advantageous to have one or more of them locked on the lower locking-rod to coact with eyes connected to the trunk-body.

It is to be understood that I do not lay claim, broadly, to a trunk-lock comprising a key-operated pinion, sliding bolts having racks meshing with said pinion, and hasps having ears to receive the bolts, as such a construc-

tion is old and well known in the art to which my invention appertains; but I am not aware that there has been employed by others a construction embodying those features which are specifically recited in the claim appended to this specification.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a trunk-body, of a cover, a casing secured to the body, guides located within the casing, locking-rods having flattened portions slidable through said guides and provided with racks located in the casing, L-shaped catches secured to one rod and located within the casing, eyes secured to the cover or top of the trunk and projecting into the casing and adapted to receive the L-shaped catches, a rotatable spindle having a polygonal portion adapted to receive a key, a pinion secured to the spindle and interposed between the locking-rods and meshing with the racks thereof, guides secured to the trunk and through which the rods loosely pass and hasps hinged to the cover and provided with ears having openings adapted to receive the ends of the locking-rods and to pass through openings in the trunk-body.

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

BERNHARD SCHNURR.

Witnesses:
CHAS. STONE,
EDWARD KUTTNER.