

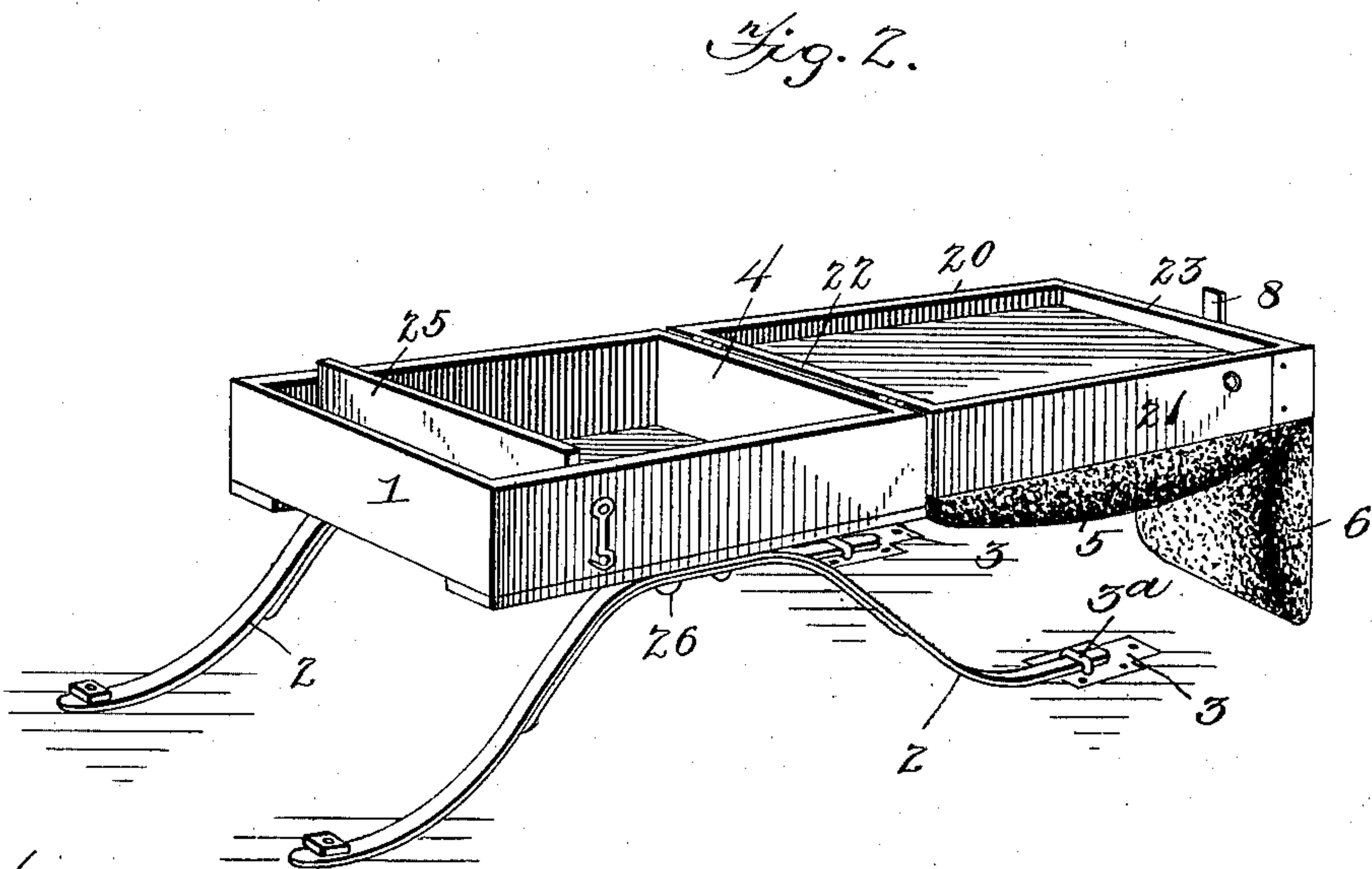
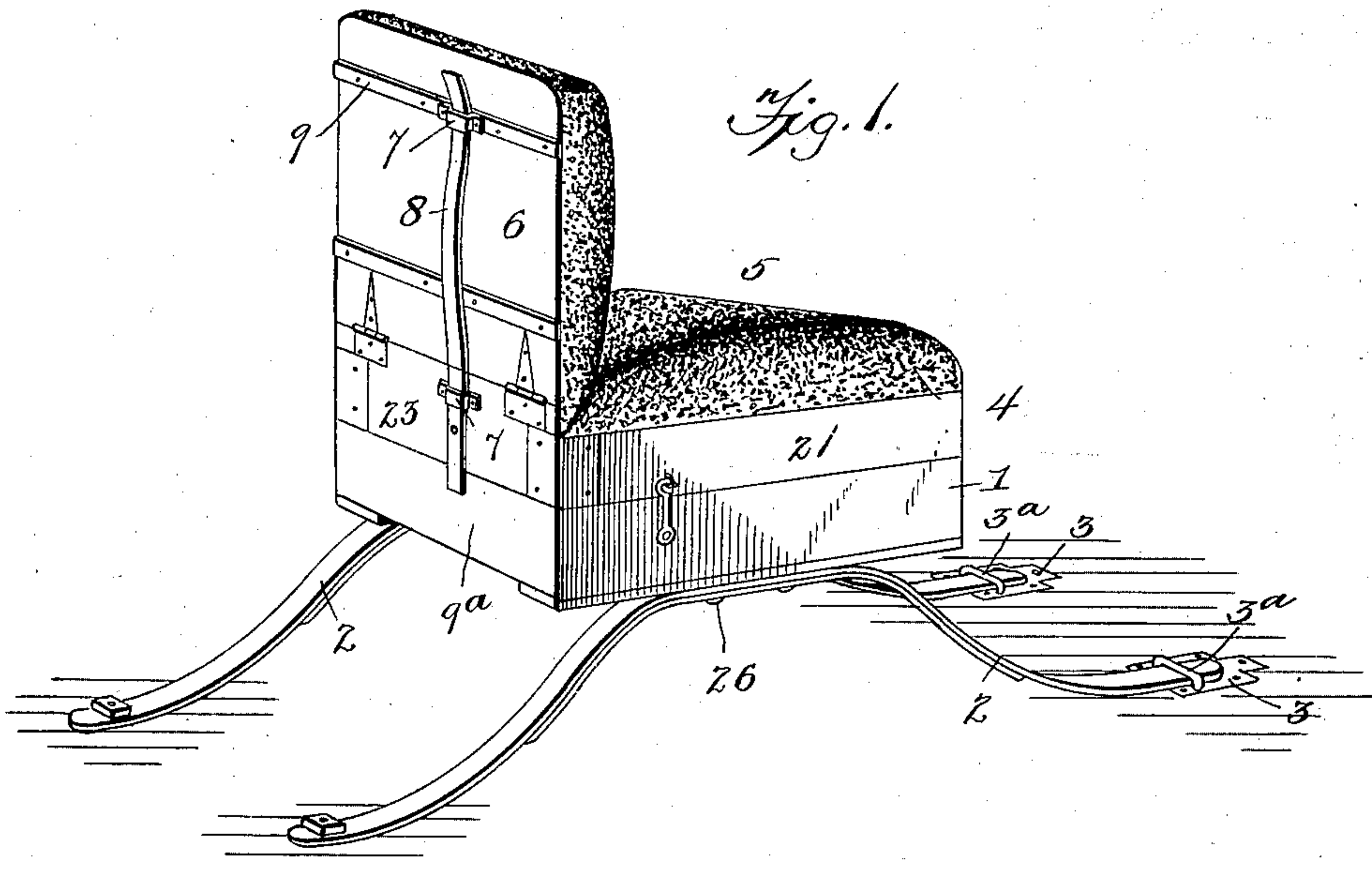
No. 653,105.

Patented July 3, 1900.

A. MACLEAY.  
LOCOMOTIVE SEAT.

(Application filed Jan. 2, 1900.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

ALEXANDER MACLEAY, OF RICHMOND, CANADA.

## LOCOMOTIVE-SEAT.

SPECIFICATION forming part of Letters Patent No. 653,105, dated July 3, 1900.

Application filed January 2, 1900. Serial No. 197. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER MACLEAY, of Richmond, in the county of Richmond and Province of Quebec, Canada, have invented certain new and useful Improvements in Locomotive-Seats, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to seats in general, and more particularly to that class used in locomotives and known as "locomotive-seats," one object of the invention being to combine with the tool-box a convenient and comfortable seat which may be readily and quickly raised from the box to enable access thereto.

A further object of the invention is to yieldably mount the box and yieldably connect the back to the seat proper to absorb vibration of the locomotive.

With these objects in view the invention consists of a tool-box of usual construction supported upon leaf-springs, each comprising two leaves, the lowermost leaf being extended and having its ends rounded at one end and bearing upon friction-plates upon the floor of the cab, the other end of each spring being bolted fixedly to the cab-floor.

Hingedly connected with the upper edge of one end of the box is a cover comprising a top, sides, and ends, the top forming the base of a seat and the sides inclosing and engaging a transverse partition of the box, which projects above the upper edge of the latter.

Hingedly connected with the seat-base is a back, which latter carries a strap-spring, one end of which bears against the seat-back and the other end of which is adapted to engage the outside surface of the opposite end of the box. This spring is held in place by means of straps, resulting in the formation of a yielding back.

In the drawings forming a portion of this specification, Figure 1 is a perspective view of the invention, showing the seat in its operative position. Fig. 2 is a view similar to Fig. 1, showing the seat in its inverted position.

Corresponding and like parts are referred to in the following description and indicated in both views of the drawings by the same reference characters.

Numerall designates a tool-box of the usual construction, and connected to the under side

thereof and adjacent the sides of the box are strap or leaf springs 2, each comprising a plurality of elements, the lowermost element of each spring being extended beyond those above and having one of its ends curved upwardly and bearing upon a friction-plate 3, which latter is secured to the floor of the cab or other suitable support, the other end thereof being attached firmly by a screw or in any other manner. In order to permit lateral displacement of the free ends of the springs 8, I inclose them with staples 3<sup>a</sup>, which are driven into the floor, though the same result may be secured by attaching to or forming integral with the plates 3 arches or lugs, as may be preferred.

Hingedly connected with the forward end 4 of the tool-box 1 is a cover comprising side pieces 20 and 21, end pieces 22 and 23, and top 5, the latter forming the base of a seat, and which base has hingedly connected with its free end a back 6, the cover being held against lateral displacement when in a closed position by means of a partition 25, arranged transversely of the box and projecting above the upper edge thereof.

Attached to the back 6, through the medium of straps 7, is a strap-spring 8, one end of which bears against a plate 9, carried by the back, and the other end projects beyond the base 5 and engages the outer face of the opposite end 9<sup>a</sup> of the box when the seat is in the position shown in Fig. 1. Thus as the back 6 is pressed rearwardly the spring 8 is placed under tension, and while affording a yieldable back prevents excessive rearward movement of the back.

It will be seen that when in an upright position this device will present a comfortable and convenient seat and that the springs 2 and 8 will effectively absorb all disagreeable vibration of the locomotive, while the arrangement of the seat in connection with the box enables the ready manipulation of the seat to open the box for the removal and placement of tools, &c., and at the same time economizes much valuable space.

In some instances I employ a catch 26 for the purpose of securely fastening the seat proper to the tool-box when in a closed position; but this means of fastening the parts when assembled is not absolutely necessary,



as the aforementioned means will prevent unnecessary movement of those parts constituting the base portion.

It will be readily understood that the back 5 and the base of the seat are upholstered as desired and as shown in the drawings, and it will be further understood that I may vary the specific construction and arrangement of the parts herein shown and may use what- 10 ever materials may be deemed expedient without departing in any way from the spirit of my invention.

Having thus described my invention, what I claim, and desire to secure by Letters Pat- 15 ent, is—

1. The combination of a receptacle having yieldable supports and a seat hingedly connected with the receptacle and adapted to close the same, said seat comprising a base 20 portion, a back portion hingedly connected with the base portion, and a strap-spring connected with the base and having one end engaging the back and the other end projecting beyond the base and adapted to engage the 25 receptacle when the seat is in an upright position.

2. The combination with a receptacle of leaf-springs connected therewith and adapted to yieldably support it, and a seat hingedly

connected with the receptacle and adapted to 30 close it, said seat comprising a base having a back hingedly connected thereto, a plate carried by the back; and a strap-spring fixed to the seat-base and having one end engaging said plate carried by the back, the other end 35 extending beyond the base and adapted to engage the receptacle when the seat is in an upright position.

3. The combination with a receptacle of leaf-springs fixedly connected therewith, one 40 end of each spring being rigidly connected at one end with a suitable support, the opposite end engaging slidably with plate carried by the support, and a seat hinged to the receptacle and adapted to close it, said seat com- 45 prising a base portion having a back hinged thereto, a plate carried by the back, and a strap-spring fixed to the base and engaging at one end said plate carried by the back, the other end projecting below the base and 50 adapted to engage the receptacle.

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

ALEXANDER MACLEAY.

Witnesses:

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W. J. EWING.