

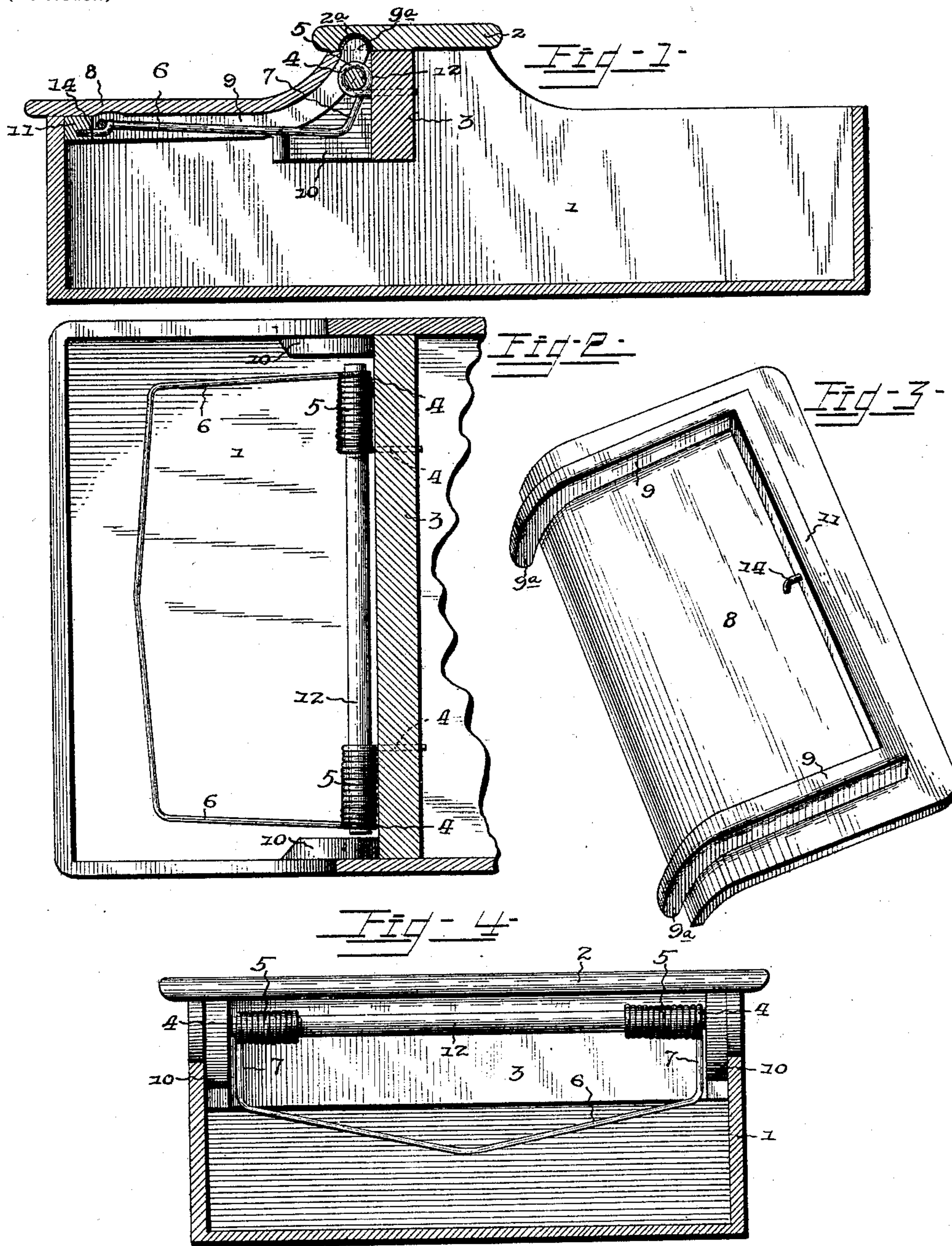
No. 609,817.

Patented Aug. 30, 1898.

J. F. LASH.
BUGGY BOOT.

(Application filed Apr. 5, 1898.)

(No Model.)



Witnesses:-

C. J. Lash
J. F. Lash

John F. Lash, Inventor.

By his Attorneys.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

JOHN FRANKLIN LASH, OF LINNEUS, MISSOURI.

BUGGY-BOOT.

SPECIFICATION forming part of Letters Patent No. 609,817, dated August 30, 1898.

Application filed April 5, 1898. Serial No. 676,560. (No model.)

To all whom it may concern:

Be it known that I, JOHN FRANKLIN LASH, a citizen of the United States, residing at Linneus, in the county of Linn and State of Missouri, have invented a new and useful Buggy-Boot, of which the following is a specification.

The invention relates to improvements in buggy boots and springs.

The object of the present invention is to improve the construction of buggy-boots and to provide a simple, inexpensive, and efficient one which will render all the space within a buggy-box available for other use and which will be readily detachable and not wear or mar the finish of the buggy when it is raised and lowered.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a longitudinal sectional view of a buggy provided with a boot and spring constructed in accordance with this invention. Fig. 2 is a plan view, partly in section, the boot being removed to show the arrangement of the spring and the bearings. Fig. 3 is a detail perspective view of the boot, showing the lower face thereof. Fig. 4 is a transverse sectional view of the body of the buggy, the boot being detached.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates the body of a buggy, having a seat 2 and provided beneath the same with a transverse bar 3, upon the rear face of which is arranged a spring 4, consisting of oppositely-disposed coils 5, and a substantially rectangular loop 6, connected with the coils by short depending arms 7. The terminals of the coils are embedded in the transverse bar or otherwise secured to the same, and the depending arms 7, which are arranged substantially at right angles to the sides of the rectangular loop, bear against the transverse bar when the loop is detached from a hinged boot 8.

The hinged boot 8, which is slightly curved at its inner end, extends beneath the seat and is provided at opposite sides with cleats

9, curved to conform to the configuration of the boot and fitting on bearings 10, secured to the inner faces of the sides of the body of the buggy and having curved upper edges to receive the cleats. The boot may be constructed of any suitable material, such as wood, or it may consist of a frame having a suitable covering of leather or other material, and the outer ends of the cleats are connected by a transverse cleat. The curved ends 9^a of the cleats or pieces 9 are extended beyond the inner end or edge of the body of the boot, and when the latter is on the buggy-box the ends 9^a project into recesses 2^a of the lower face of the seat 2 in rear of the transverse bar 3.

The coils of the spring are supported by a transverse rod 12, and the loop of the spring engages an L-shaped arm or hook 14, extending inward from the transverse cleat 11 of the boot, whereby the latter is detachably mounted on the body 1 and is drawn inward beneath the seat and held firmly in place. By disconnecting the loop from the arm or hook of the boot the latter may be readily removed from the buggy-body.

The invention has the following advantages: By the particular construction of the sides of the spring the boot is drawn downward and inward and held firmly on the buggy box or bottom. By drawing it downward and inward under the projecting portion of the seat-board it is prevented from wearing or chafing the finish of the box. The buggy-boot is detachably mounted on the box by means of the spring and the bearings, and it enables the entire space within the box to be utilized for other purposes.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

1. In a device of the class described, the combination with a buggy-box having a seat and provided beneath the same with a transverse bar, of bearings arranged at opposite sides of the box, adjacent to the seat, a buggy-boot loosely arranged in the bearings, and a spring composed of coils mounted on the transverse bar, and a loop detachably secured

to the buggy-boot and arranged to draw the same downward and inward, substantially as described.

2. In a device of the class described, the combination with a buggy-box having a seat, 5 of bearings arranged on the inner faces of the sides of the box and provided with curved upper edges, a boot having curved cleats or portions loosely arranged on the bearings to form a hinge-joint, and a spring mounted on 10 the box and composed of end coils and a connecting-loop detachably engaging the boot, substantially as described.

3. In a device of the class described, the combination of a buggy-box having a seat 15 and provided with a transverse bar, curved bearings mounted on the sides of the box, a buggy-boot extending beneath the seat and having curved cleats arranged on the bearings, a hook-shaped projection or arm mount- 20 ed on the buggy-boot, near the rear end thereof, and a spring composed of coils mounted on the transverse bar, arms depending from the coils, and a substantially rectangular loop 25 arranged at an angle to the arms and detachably engaging the hook-shaped projection or arm, substantially as described.

4. In a device of the class described, the combination with a buggy-box having a seat 30 with recesses 2^a in its lower face, of bearings

arranged on the inner faces of the sides of the box and provided with curved upper edges, a boot having curved cleats or portions loosely arranged on the bearings to form a hinge-joint, said cleats or portions being ex- 35 tended beyond the inner end of the boot and projecting upward into the recesses 2^a, and a spring mounted on the box and composed of end coils and a connecting-loop detachably engaging the boot, substantially as described. 40

5. In a device of the class described, the combination with a buggy-box having a seat with recesses 2^a in its lower face, of bearings arranged on the inner faces of the sides of the box and provided with curved upper edges, a 45 boot having curved cleats or portions loosely arranged on the bearings to form a hinge-joint, said cleats or portions being extended beyond the inner end of the boot and projecting upward into the recesses 2^a, and a 50 spring mounted on the box and connected with the boot, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN FRANKLIN LASH.

Witnesses:

EDWARD BARTON,
EDW. M. ADAMS.