J. REINHART.

Hobby-Horses.

No. 143,930. Patented Oct. 21, 1873.

Fig: 1.

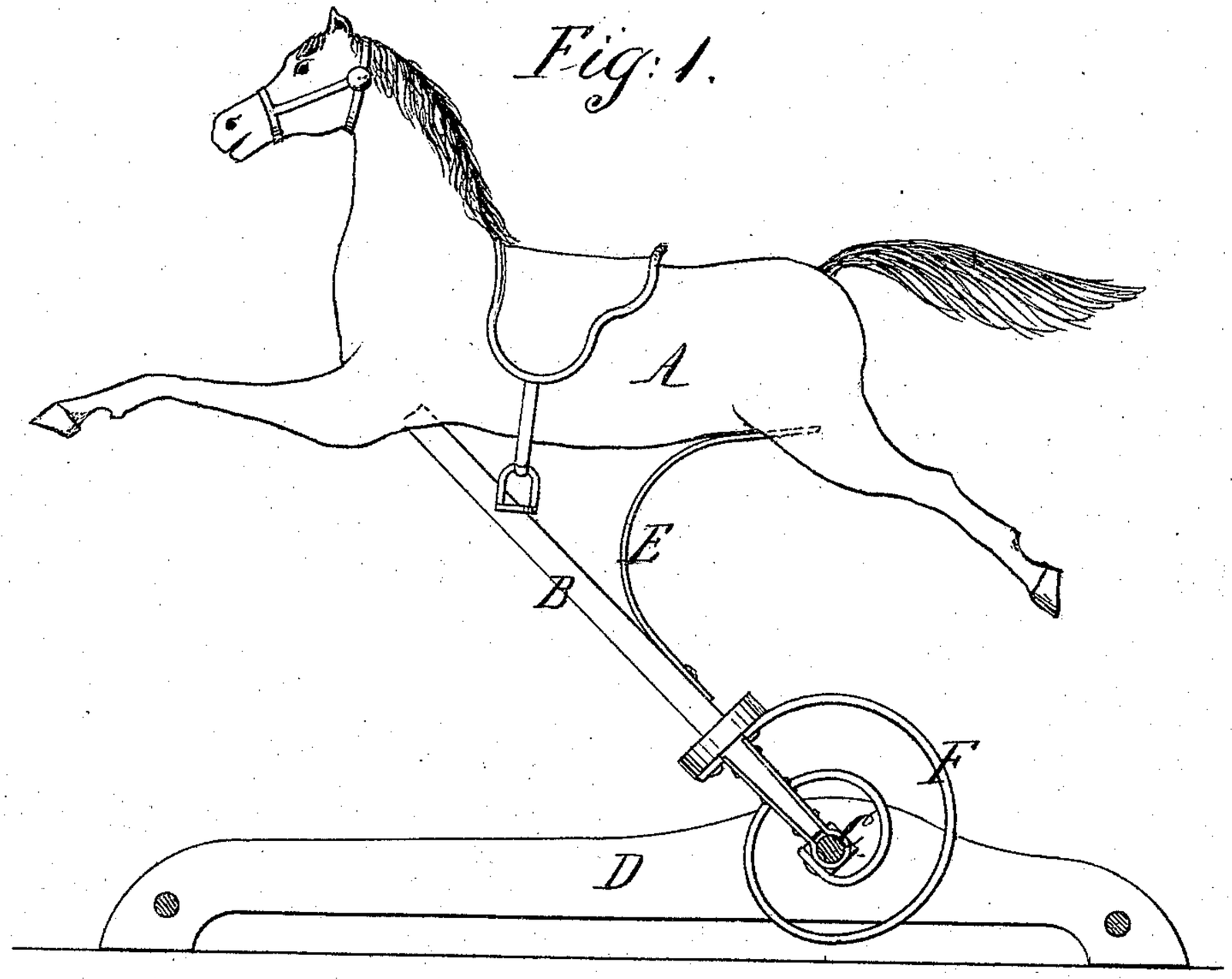
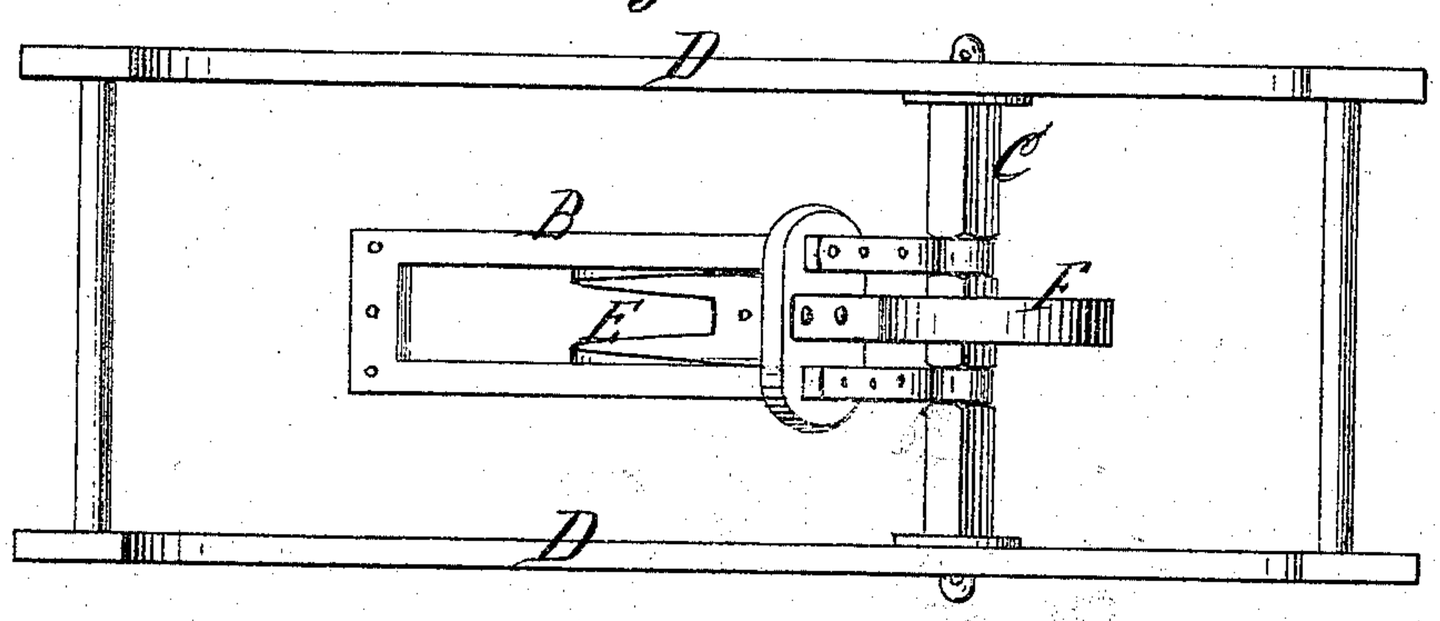


Fig: 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN REINHART, OF NEW YORK, N. Y.

IMPROVEMENT IN HOBBY-HORSES.

Specification forming part of Letters Patent No. **143,930**, dated October 21, 1873; application filed August 15, 1873.

To all whom it may concern:

Be it known that I, JOHN REINHART, of the city, county, and State of New York, have invented a new and useful Improvement in Rocking Toys; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a sectional side view of my invention. Fig. 2 is an inverted plan of the same.

Similar letters indicate corresponding parts.

This invention consists in mounting the body of a toy upon a lever and an auxiliary support, said lever being directly connected with and swinging on a shaft that has its bearings in the base of the toy, in combination with a coiled spring, one end of which is secured to the base and the other end to the swinging lever in such a manner that, by the combination of the lever with the spring, the action of the spring is increased and a rocking toy is obtained which works with ease and comfort, and which is not liable to get out of order. With the swinging lever is combined an elastic brace—one or more—so as to increase the steadiness of the body of the toy and to produce a secondary rocking motion of said body.

In the drawing, the letter A designates the body of my toy, which may be made in the form of a horse, or in any other desirable form or shape. On the under side of this body, near its front part, is secured a lever, B, which is, by preference, in the form of a frame, and the lower end of which swings freely on a shaft, C, that has its bearings in the base D of the toy. In the example shown in the drawing this shaft is stationary, and the lever B turns on it, but the lever might be firmly secured to the shaft and the shaft be made to turn in its bearings. From the lever B extend braces E to the rear part of the body A, and these braces are made elastic, so that the body has a secondary rocking motion on the lever B. In some instances the brace or braces E may be rigid bars, and thus form an auxiliary to the lever B, for supporting the toy. In order to allow this motion to take place, the connection between the lever and the body A must be effected by a hinge-joint. The lever B is subjected to the action of a coiled spring, F, the outer end of which is secured to said lever, while its inner end is firmly attached to the shaft C, or to any part that is firmly connected to the base D.

By combining the swinging lever with the spring the action of said spring is materially increased and a rocking toy is obtained which works easily, and which is not liable to get out of order.

It is obvious that two or more springs may be applied to the lever B, if it should be desirable.

I do not claim as my invention the combination of a coiled spring with a rocking toy, such having been used heretofore.

What I claim as new, and desire to secure by Letters Patent, is—

1. The swinging lever B having an auxiliary brace, E, for supporting the body A, in combination with the shaft C, spring F, and base D, substantially as and for the purpose specified.

2. The elastic braces E, in combination with the swinging lever B, body A, base D, and spring F, arranged to operate substantially as set forth.

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