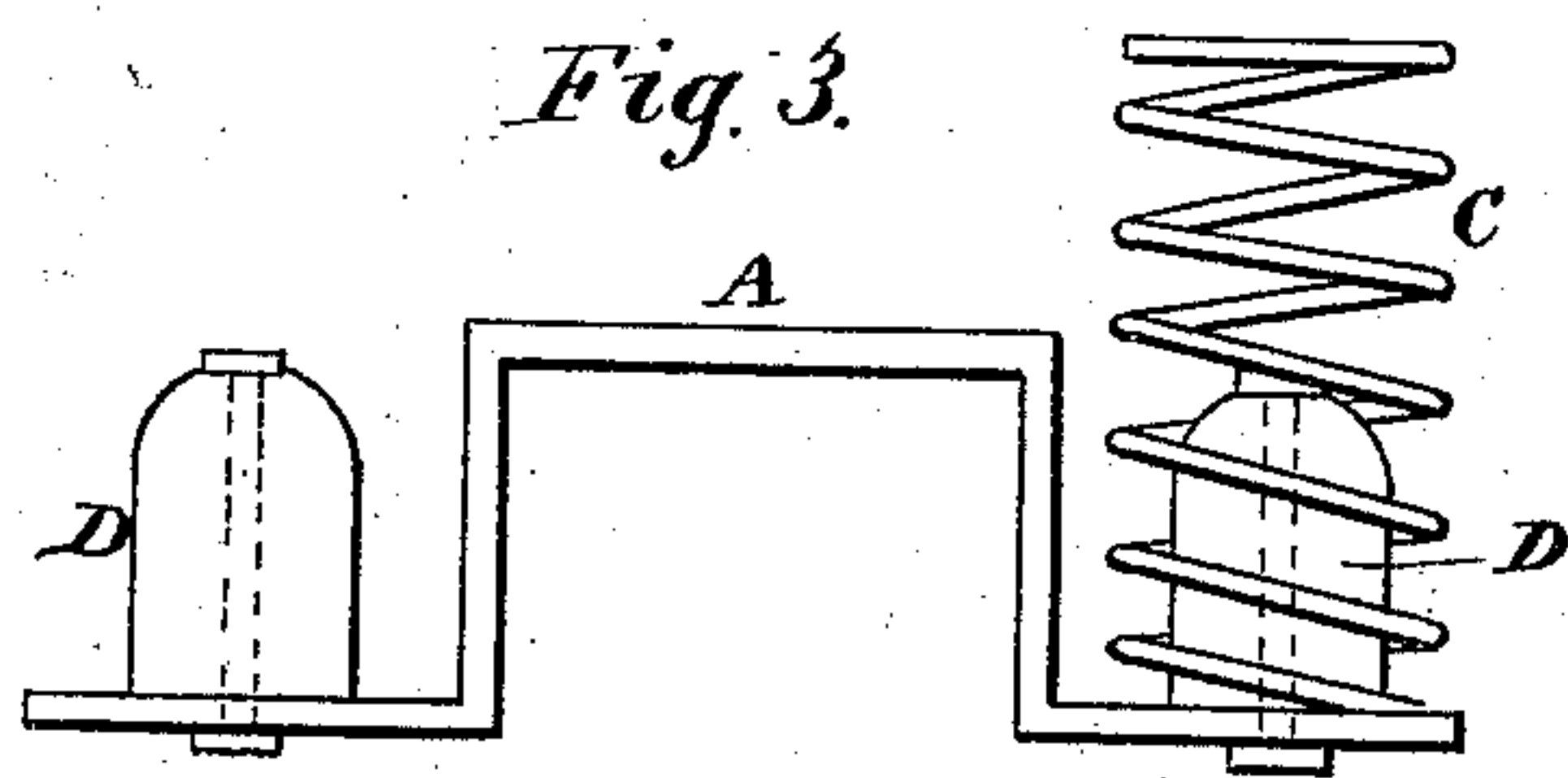
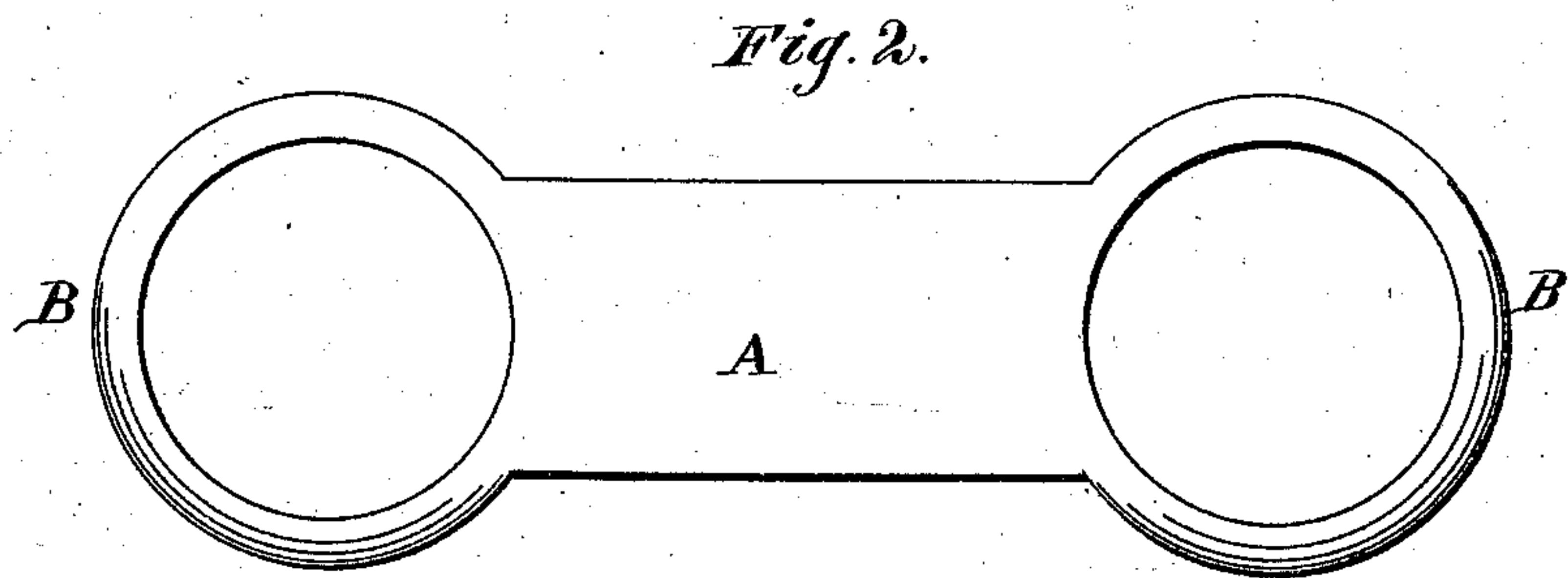
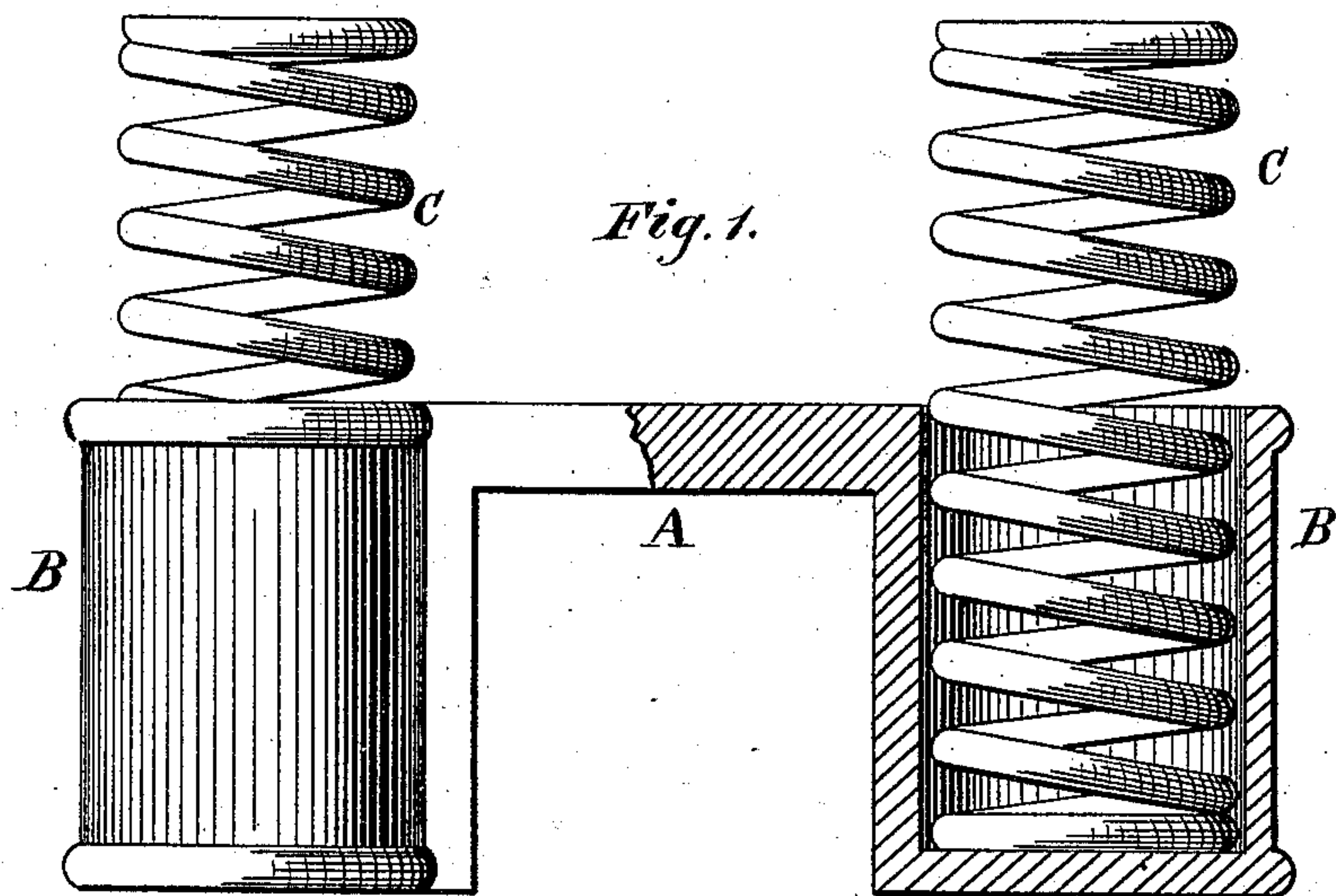


R. H. GUYER.
VEHICLE-SPRING.

No. 173,622.

Patented Feb. 15, 1876.



WITNESSES

Henry N. Miller
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By

INVENTOR

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UNITED STATES PATENT OFFICE.

RICHARD H. GUYER, OF LA FAYETTE, INDIANA.

IMPROVEMENT IN VEHICLE-SPRINGS.

Specification forming part of Letters Patent No. **173,622**, dated February 15, 1876; application filed January 22, 1876.

To all whom it may concern:

Be it known that I, R. H. GUYER, of La Fayette, in the county of Tippecanoe and in the State of Indiana, have invented certain new and useful Improvements in Vehicle-Springs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to vehicle-springs; and it consists in the construction and general arrangement of a saddle to straddle the end of the wagon-bolster, and having at each end a pocket or a plug or nipple to receive a coiled spring, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view, part in section, of the saddle with pockets and springs. Fig. 2 is a plan view of the saddle and pockets. Fig. 3 shows the saddle with plugs or nipples.

A represents a saddle, made of either wrought-iron or cast or malleable iron, and of such size as to straddle the end of the wagon-bolster, it being not fastened thereto, but simply hung thereon. At each end of the saddle A is formed a pocket, B, in which is

placed a coiled spring, C, to support the wagon-bed, there being under the bed four of these saddles, with eight pockets and eight springs. These saddles, being hung on the bolsters, can be easily taken off by simply lifting the wagon-bed; or the springs can be taken out and replaced by springs capable of sustaining different weights, running from one to ten thousand pounds, simply by having lighter or heavier steel coil-springs.

In place of the pockets B, the saddles may be formed, as shown in Fig. 3, at each end with a vertical plug or nipple, D, around which the lower end of the spring is placed.

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

1. A saddle hung loosely upon a wagon-bolster, and supporting at its ends coiled springs for the wagon-bed to rest on, as herein set forth.

2. The saddle A, provided at its ends with the pockets B B, or their equivalents, for holding the coil-springs C C, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of January, 1876.

RICHARD H. GUYER.

Witnesses:

GEORGE J. KELLAM,

CHARLES W. HAVENBURG.