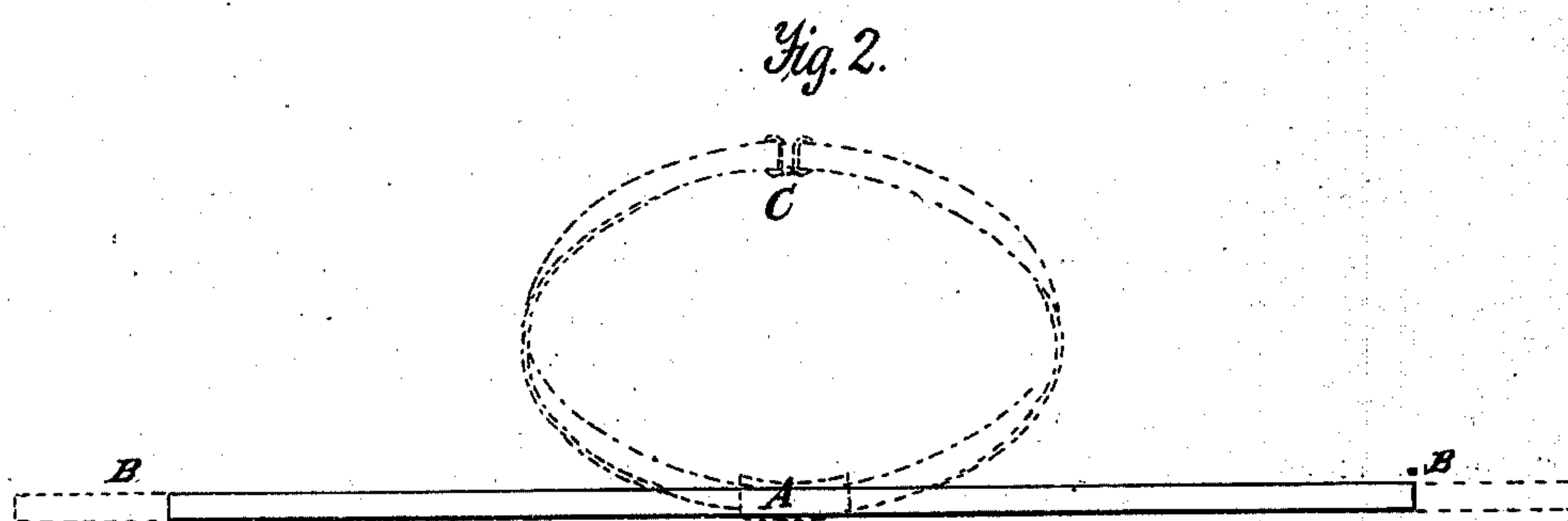
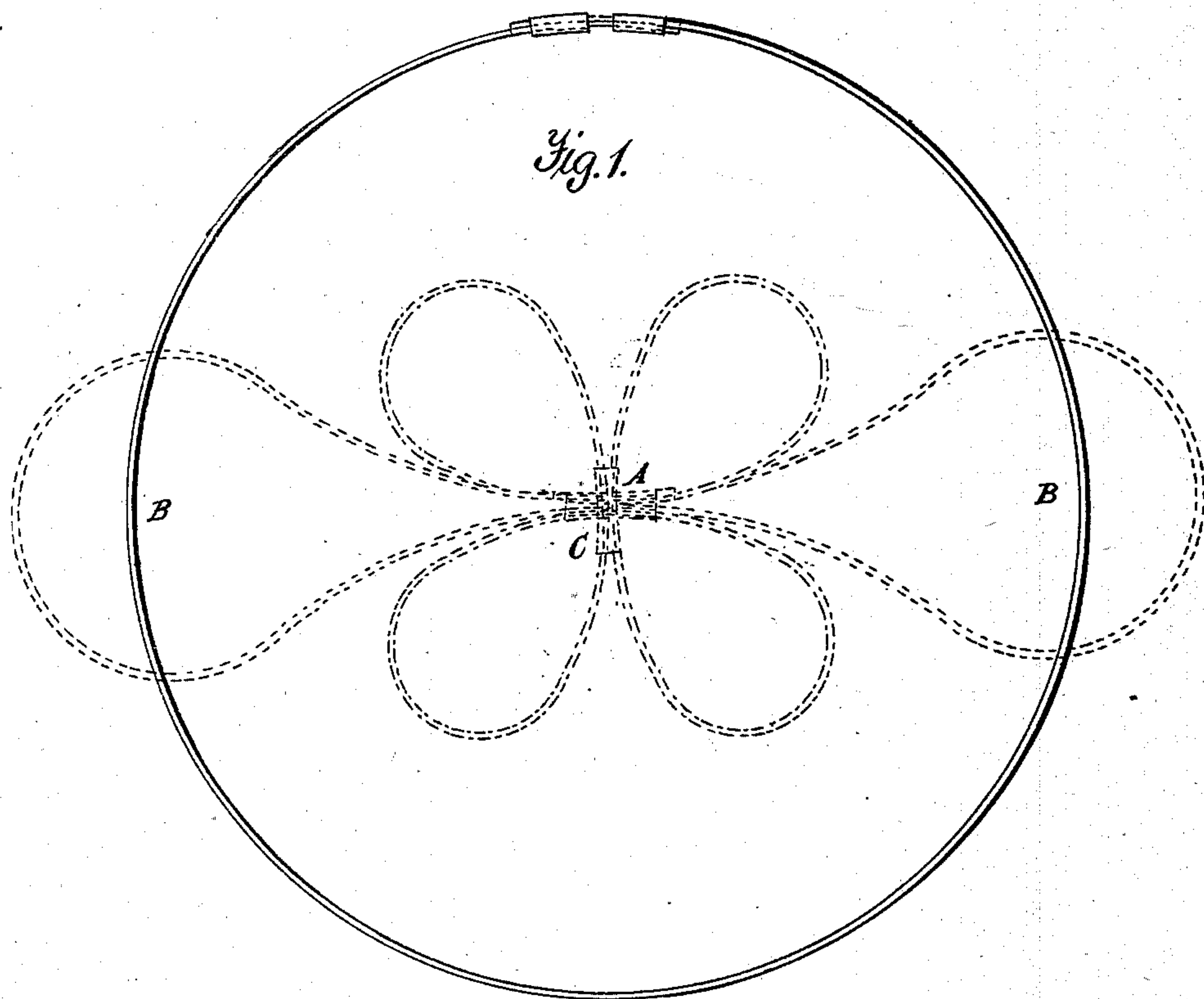


W. H. Mallory,

Upholstering Spring.

N^o 49,476.

Patented Aug. 15, 1865.



Witnesses.

Rufus H. Sanford.
Hubbard Beebe.

Inventor.

Wm. H. Mallory
By his atty John E. Earle

UNITED STATES PATENT OFFICE.

WILLIAM H. MALLORY, OF BRIDGEPORT, ASSIGNOR TO HIMSELF, NELSON H. DOWNES, AND ROBT. N. BASSETT, OF DERBY, CONNECTICUT.

SPRING FOR UPHOLSTERING PURPOSES.

Specification forming part of Letters Patent No. 49,476, dated August 15, 1865.

To all whom it may concern:

Be it known that I, WM. H. MALLORY, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Upholstering-Springs; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a top view, and in Fig. 2 a side view, of the spring and the manner of forming the same.

My invention is designed as a substitute for the ordinary upholstering coil-spring; and it consists in forming the spring from flat or rolled steel wire.

To enable others skilled in the art to construct and use my improved spring, I will proceed to fully describe the same as illustrated in the accompanying drawings.

I first form a hoop from flat or rolled steel wire of sufficient strength, (according to the purpose for which it is to be used,) as denoted in black, Figs. 1 and 2. I next join the two opposite sides of the hoop, as denoted in red, by a flexible connection, A, which forms two loops, B B. I then join the two loops, as denoted in blue, Figs. 1 and 2, by a flexible connection, C, like or similar to the connection A. This com-

pletes my spring, and is to be inserted in upholstering, or wherever similar springs are required, set in the position as denoted in blue, Fig. 2, and otherwise treated as the ordinary coil-spring.

The advantages of my improved spring are that the spring is more elastic, of greater range, is cheaper of construction, and will not "set" like the ordinary coil-spring.

I have described my spring as made of flat steel wire, instead of which the wire may be rolled, corrugated, or concavo-convex, and the wire may or may not be covered.

I have described my spring as applied to upholstering purposes, yet it is not limited in its use, as it may be applied to any purposes where its form will permit its being used, as carriages, &c., it simply being required to make the springs of sufficient strength for the purpose to which they are to be applied. Therefore, without confining myself to the particular form of the wire or to the purpose for which my spring may be used,

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

A spring for upholstering and other purposes, constructed substantially as herein set forth.

WILLIAM H. MALLORY.

Witnesses:

FRANCIS IVES,
GEO. MALLORY.