

No. 619,271.

Patented Feb. 14, 1899.

J. M. BERGOLD.

COMBINED COUPLING AND ANTIRATTLER.

(Application filed Mar. 16, 1897.)

(No Model.)

Fig. 1

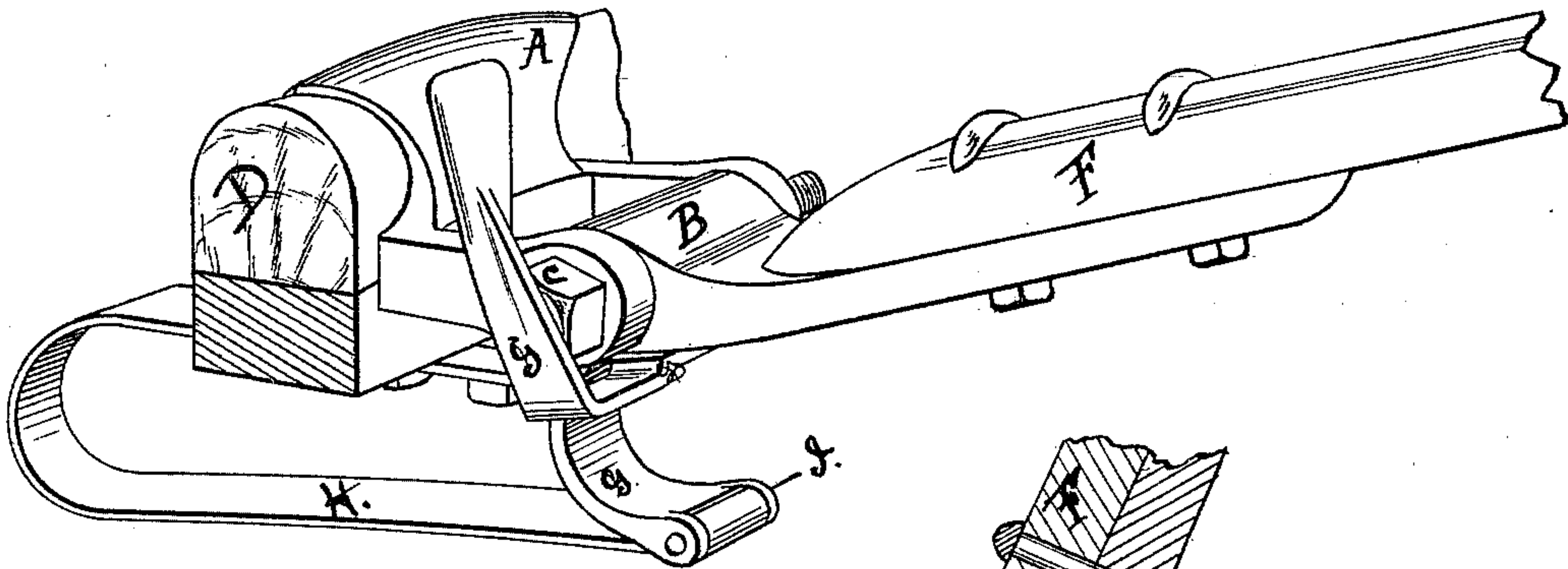


Fig. 2

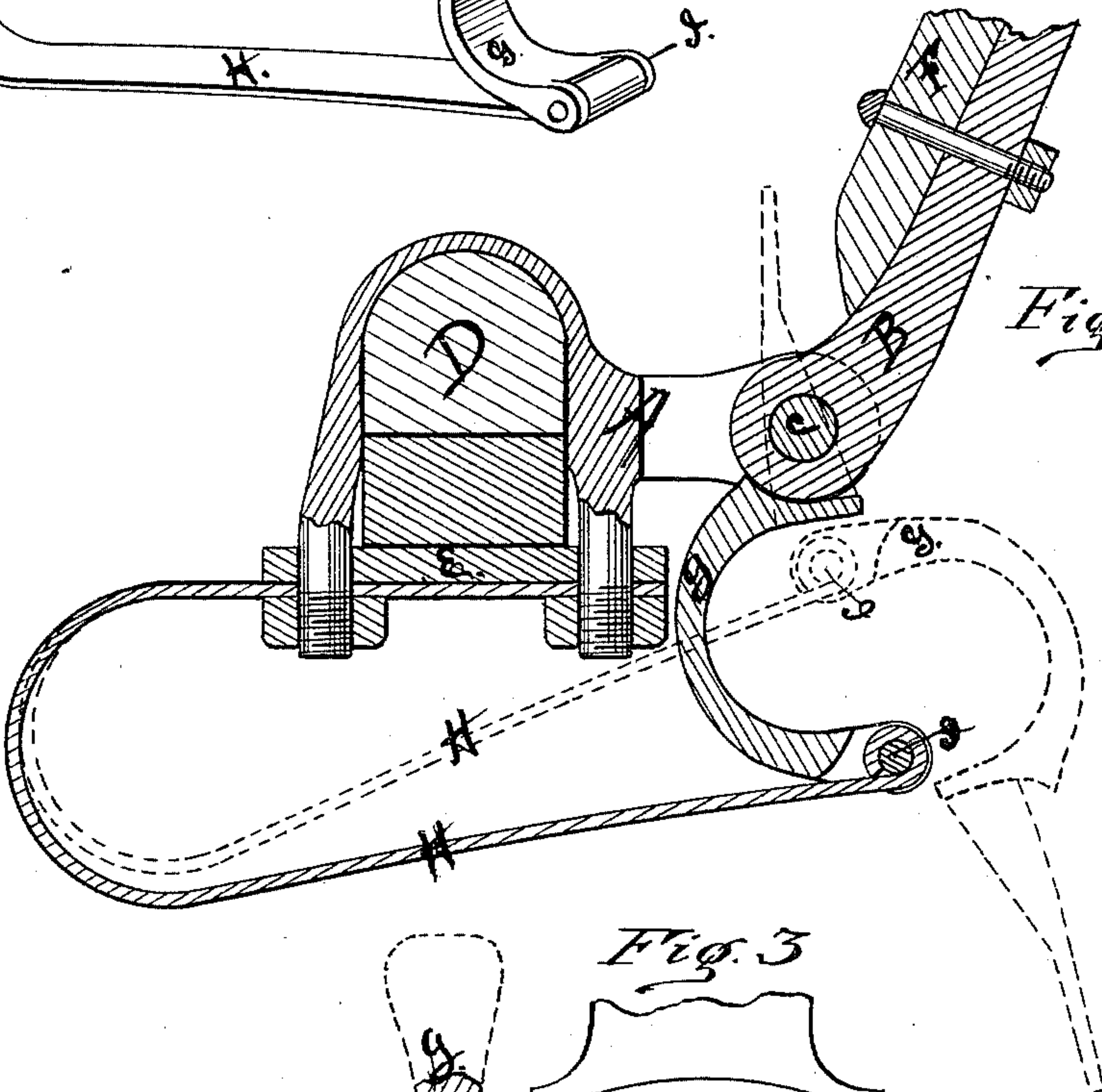
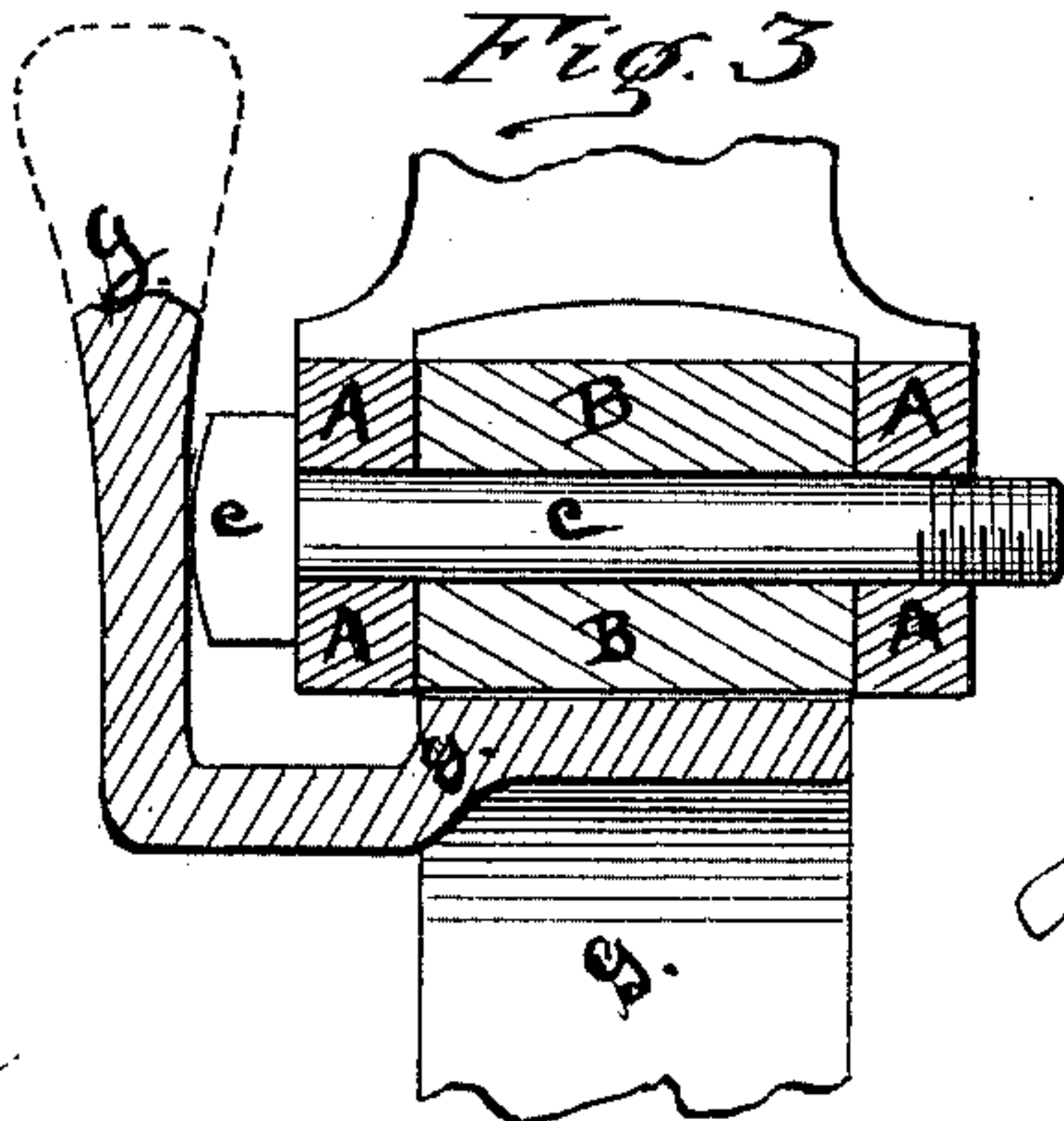


Fig. 3



WITNESSES

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JOSEPH M. BERGOLD, OF CANTON, OHIO.

COMBINED COUPLING AND ANTIRATTLER.

SPECIFICATION forming part of Letters Patent No. 619,271, dated February 14, 1899.

Application filed March 16, 1897. Serial No. 627,819. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH M. BERGOLD, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in a Combined Coupling and Antirattler; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view. Fig. 2 is a transverse view of the axle, showing my device proper attached. Fig. 3 is a sectional view through the connecting-bolt.

The present invention has relation to combined couplings and antirattlers; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claim.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents the clip, which is connected to the axle in the ordinary manner and is provided with the ordinary ears or flanges to receive the connecting-bolt C.

Below the axle is located the spring H, which spring is connected by ordinary screw-threaded nuts used in connecting the clip A to the axle.

The spring H is extended a short distance rearward and is brought or bent forward, so that its free end will come substantially below the connecting-bolt C, as illustrated in the drawings.

To the free end of the spring H is pivotally attached the lever G by means of the hinge I. The lever G is provided with the convexo-concave portion, and, as shown in Fig. 2, it is provided with a concave end, which concave end is for the purpose of receiving the rounded portion of the shaft eye or head B.

For the purpose of providing a means for operating the lever, as hereinafter described,

said lever is continued to one side and upward, so as to provide a suitable handle.

In use when it is desired to hold the shaft F in proper position and prevent the rattling thereof the lever G is brought into the position illustrated in the drawings, which forces the concave end of the lever against the eye or head B. The spring H is so formed that it will have a tendency to move upward or toward the bolt C, thereby pressing the concave end of the lever against the eye or head B. When it is desired to release the bolt C for the purpose of detaching the shaft F, the handle portion of the lever G is first pressed downward until the concave portion of said lever is disengaged from the eye or head B, after which the handle portion of said lever and the lever are forced forward. The concave side of said lever presses against the eye or head B, and as said lever is moved forward the free end of the spring H is released, so that it will move upward toward the bolt C, and when said lever has been brought into the position illustrated in dotted lines, Fig. 2, the bolt C is free to be removed.

It will be understood that by extending the handle portion of the lever to one side it will form a stop against the longitudinal movement of the bolt C, and thereby prevent any accidental displacement of said bolt.

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

The combination of a clip secured to the axle, a spring connected to the clip below the axle, and extended rearward and forward, the lever G hinged to the free end of the spring and provided with a convexo-concave portion, a concave end and an operating handle portion located at one end of the connecting-bolt, and the shaft eye or head B, substantially as and for the purpose specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 29th day of January, 1897.

JOSEPH M. BERGOLD.

Witnesses:

W. O. WERNITZ,
LAURA SHAEFFER.