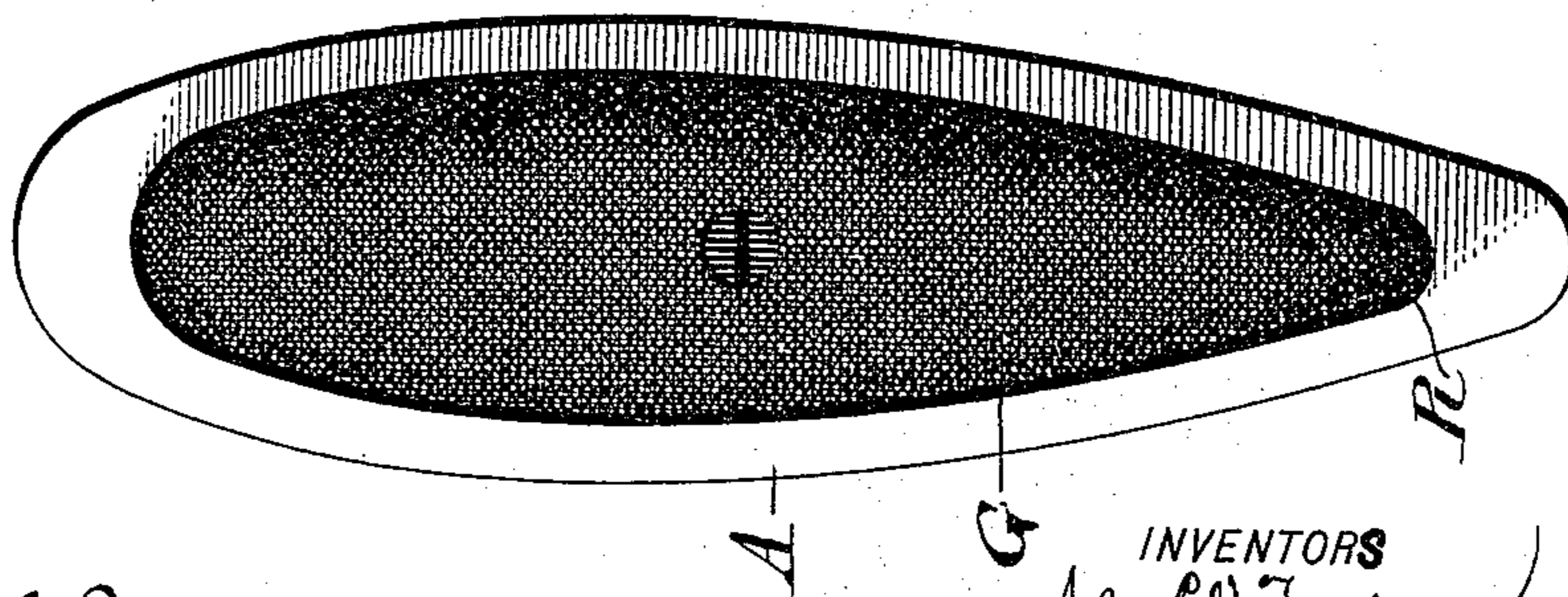
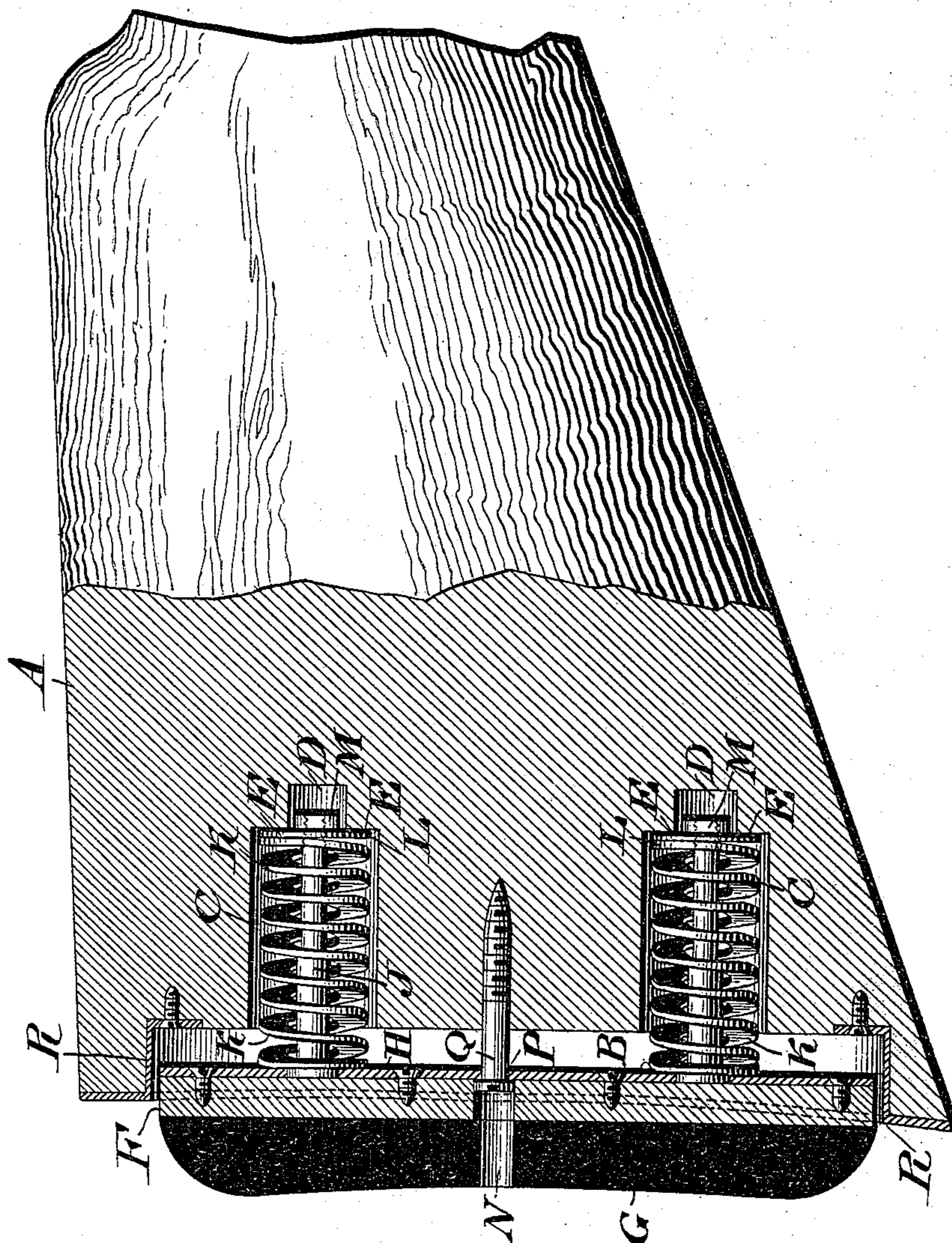


(No Model.)

J. W. TREDWAY & J. WIRTH.  
RECOIL CHECK FOR FIREARMS.

No. 490,129.

Patented Jan. 17, 1893.



**WITNESSES:**

P. F. Tagle.  
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## INVENTORS

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# UNITED STATES PATENT OFFICE.

JOHN W. TREDWAY AND JOHN WIRTH, OF PHILADELPHIA, PENNSYLVANIA.

## RECOIL-CHECK FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 490,129, dated January 17, 1893.

Application filed May 26, 1892. Serial No. 434,418. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN W. TREDWAY and JOHN WIRTH, citizens of the United States, both residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Recoil-Checks for Firearms, which improvement is fully set forth in the following specification and accompanying drawings.

Our invention consists of a recoil check for a fire-arm, the same being applied to the stock thereof and constructed of parts which are effective, inexpensive and practical in their operation, as will be hereinafter set forth.

Figure 1 represents an end view of a recoil check, embodying our invention. Fig. 2 represents a longitudinal section thereof, including a section and side elevation of the adjacent portions of the stock of the fire-arm.

Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings:—A designates a gun stock, the same having in the butt thereof the recess B, and longitudinally-extending bores C and D, the bores D being of less diameter than the bores C, forming the shoulders E.

F designates a block which is outwardly faced with a pad G of soft rubber, and inwardly with a plate H of metal, said parts F, G and H forming a cushion, said pad being curved to conform to the shape of the human shoulder. Connected with said plate H are bolts J, which enter the bores C and D, and are encircled by springs K, which bear against the plate H and the washers L, the latter being on the inner ends of the bolts J, and resting on the shoulders E.

M designates nuts which are fitted on the ends of the bolts J within the bores D, the same retaining the springs K in position, and serving to adjust the tension thereof.

In the cushion, is an opening N, and in the plate H is an opening P, which is smaller than said opening N, and freely receives the shank of a screw Q, whose head freely occupies said opening N, and is movable therein, as a guide for the cushion. The point of the screw enters the stock A, thus connecting the cushion with said stock, it being seen that the play of said cushion may be adjusted by properly rotating said screw Q, so that the cushion occupies more or less of the recess B.

The recess is lined with an angular plate R of metal, so as to prevent injury to the stock by the movements and impact of the cushion therewith.

It will be seen that when the fire-arm is in use, the pad G rests softly against the shoulder, and when the same is discharged, it is permitted to recoil toward the cushion, and thus its force against the shoulder is checked, the effect of which is evident. It will also be seen that the sides of the stock are left intact, there being no openings therein, nor other changes to effect the application of the recoiling device, nor is there any liability of the clothing or hands being caught by such device.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is:—

1. A gun stock having a recess in its butt, and bores leading from said recess, a cushion movable in said recess having bolts movable in said bores, and springs encircling said bolts in said bores, said parts being combined substantially as described.

2. A gun stock having a recess in its butt with longitudinally extending bores, a cushion movable in said recess and having bolts movable in said bores, and a screw connected with said butt and having its head fitting in an opening in said cushion, said parts being combined substantially as described.

3. A gun stock having a recess in its butt with the longitudinally extending bores C and D, a cushion movable in said recess, bolts connected with said cushion having encircling springs in said bores C, and nuts thereon in said bores D, said bores D being of less diameter than said bores C, said parts being combined substantially as described.

4. A gun stock with a recess in its butt, a cushion having a rubber outer facing and a metallic inner facing closely fitting and movable in said recess, bolts secured to said cushion and movable in bores in said butt, a screw in said butt having a head movable in an opening in said cushion, said parts being combined substantially as described.

JOHN W. TREDWAY.  
JOHN WIRTH.

Witnesses:

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