

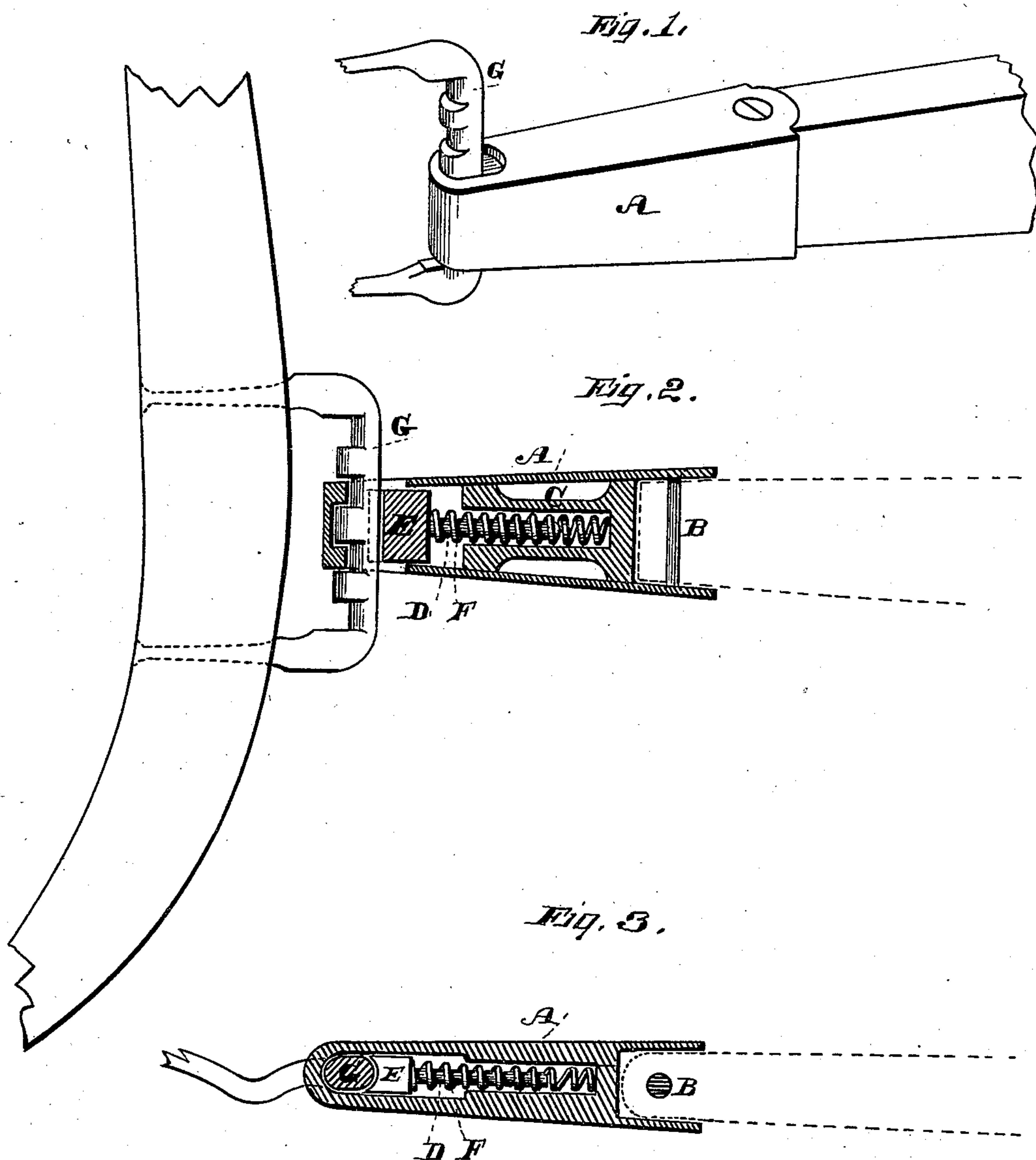
(No Model.)

J. HUGILL.

DRAFT ADJUSTING DEVICE FOR HARNESS.

No. 254,552.

Patented Mar. 7, 1882.



Witnesses

Geo. H. Strong.
Frank A. Brooks

Inventor
James Hugill
By Dewey & Co. Attys

UNITED STATES PATENT OFFICE.

JAMES HUGILL, OF WOODBRIDGE, CALIFORNIA.

DRAFT-ADJUSTING DEVICE FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 254,552, dated March 7, 1882.

Application filed November 18, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES HUGILL, of Woodbridge, county of San Joaquin, State of California, have invented an Improved Draft-Adjusting Device for Harness; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to an improved draft-adjusting device for harness; and it consists of a metallic end, into which the tugs or draft-straps are fixed, and which has a spring-actuated sliding block near its front end. Through a hole in the front of the end piece or box which is attached to the tug a bar passes vertically, and has its ends bent at right angles, so as to be secured to one side of the hames, which fit upon the collar. The bar is notched upon its front side, and the spring-block, pressing against its rear side, forces the notches against corresponding projections on the front of the box, so as to hold the bar at any desired point. By pressing this bar back, so as to release the notches, the tug may be moved up or down, and will thus change the draft to suit, as will be more fully explained by reference to the accompanying drawings, in which--

Figure 1 is a view of my invention. Fig. 2 is a longitudinal vertical section. Fig. 3 is a transverse section.

A is the case or box, into which the end of the tug is received, and is secured to a vertical bolt, B. Around this bolt a sleeve of sheet metal may be placed to prevent wear of the tug by friction. Within this case A is fixed a block, C, which is held by bolts. A hole is

made in this block to receive the stem D of the sliding block E, and a spring, F, behind this stem forces it forward and holds the block E to its place. A vertical hole is made through the front end of the box A, and the corrugated or notched bar G passes down through this hole, so that the spring-block E presses it forward and causes the notches or corrugations to engage with similar ones at the front of the hole in which it lies. The bar G has its ends bent at right angles and secured to the hames, and it will be seen that when the case A is pressed forward the block E will be forced back against its spring until the notches in the bar are free, when the case A, with the end of the tug, may be moved up or down to the desired point and allowed to catch again, and it will thus be firmly held in place, and is easily adjusted at any time.

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

The improved draft-adjusting attachment for harness, consisting of the box A, containing the spring-actuated block E, in combination with the notched or corrugated bar G, secured to the hames and passing through an opening in the front of the box A, substantially as and for the purpose herein described.

In witness whereof I have hereunto set my hand this the 2d day of November, A. D. 1881.

JAMES HUGILL.

Witnesses:

JAMES P. FOLGER,
JNO. C. THOMPSON.