

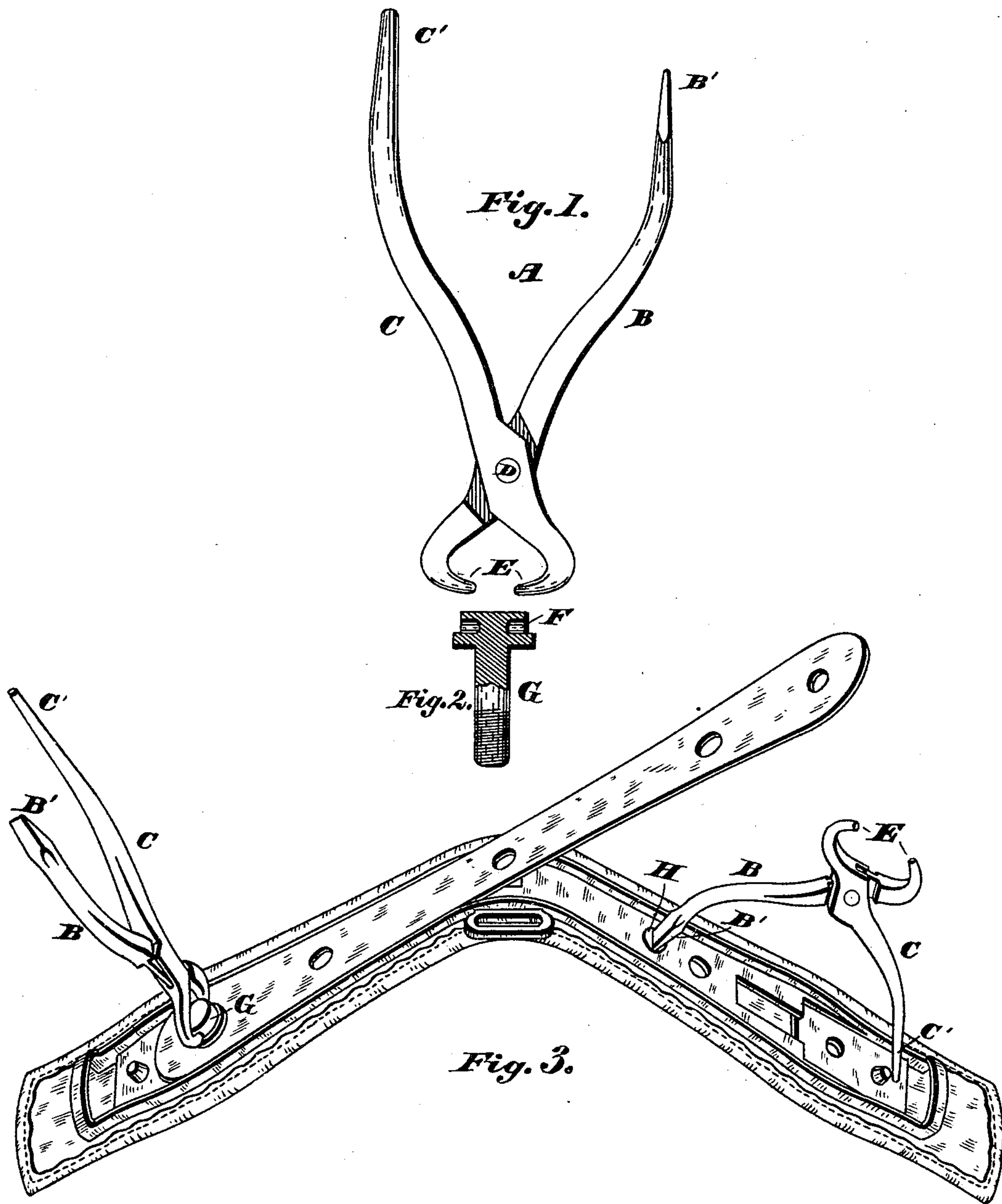
(No Model.)

C. M. CRANE.

HARNESS TOOL.

No. 389,203.

Patented Sept. 11, 1888.



WITNESSES:

Harry Grease
Chas. F. Miller

Charles M. Crane, INVENTOR.

BY

W. K. Miller, ATTORNEY.

UNITED STATES PATENT OFFICE.

CHARLES M. CRANE, OF CANTON, OHIO.

HARNESS-TOOL.

SPECIFICATION forming part of Letters Patent No. 389,203, dated September 11, 1888.

Application filed February 20, 1888. Serial No. 264,677. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. CRANE, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have
5 invented a new and useful Improvement in Harness-Wrenches, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

10 My invention relates to improvements in harness-wrenches; and it consists in providing a wrench by which the different parts of a harness may be adjusted and secured for the use of the merchant and salesman of harness as
15 well as those using harness.

With these ends in view, my invention consists in providing as a new article of manufacture a harness-wrench, as will be hereinafter described, and set forth in the claim.

20 Figure 1 is a view of a harness-wrench representing my invention; Fig. 2, a harness-bolt. Fig. 3 is a view of harness saddle, showing the manner of using the wrench.

25 The construction of the wrench A is substantially as shown in Fig. 1, the handles B and C pivotally secured, as at D, and the jaws

E are round and pointed and turned inwardly to enter the aperture F in the head of the harness-bolt G, as shown in Fig. 3. The end of the handle B is formed as an ordinary screw- 30 driver, B', for the purpose of turning the screw H. The handle C is drawn to a point, forming an awl, to be used about the harness for various purposes.

Having thus fully described the nature and 35 object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

As an improved article of manufacture, a harness-wrench consisting, essentially, of the inwardly-turned end-pointed jaws E, handle 40 B, having on its outer end a screw-driver, as B', and the handle C, having the outer end drawn to a point, as C', forming an awl, substantially as shown, and for the purpose set forth. 45

In testimony whereof I have hereunto set my hand this 13th day of January A. D. 1888.

CHARLES M. CRANE.

Witnesses:

S. S. KURTZ,
W. K. MILLER.