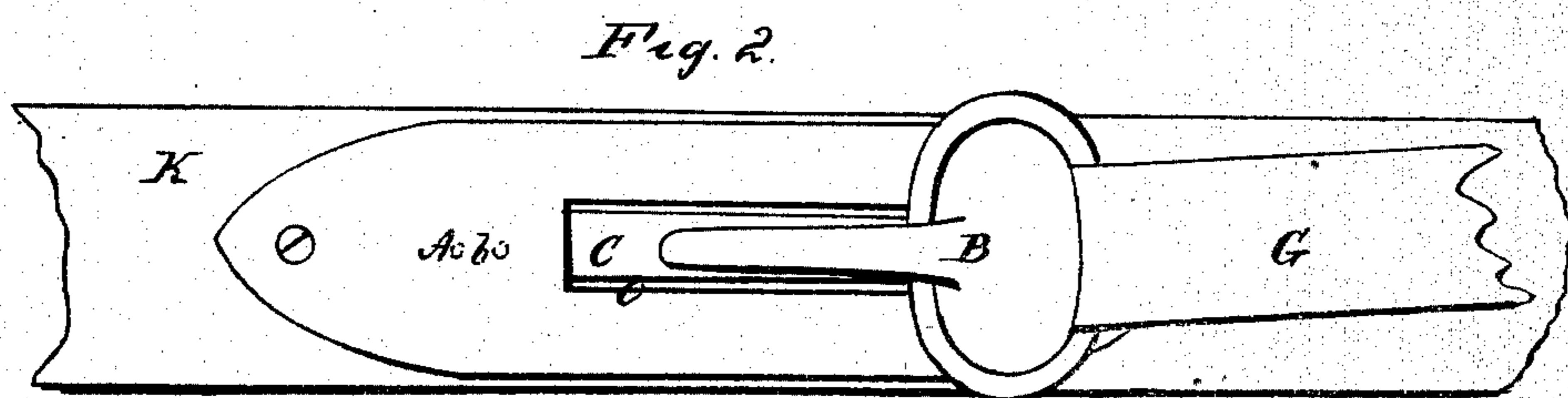
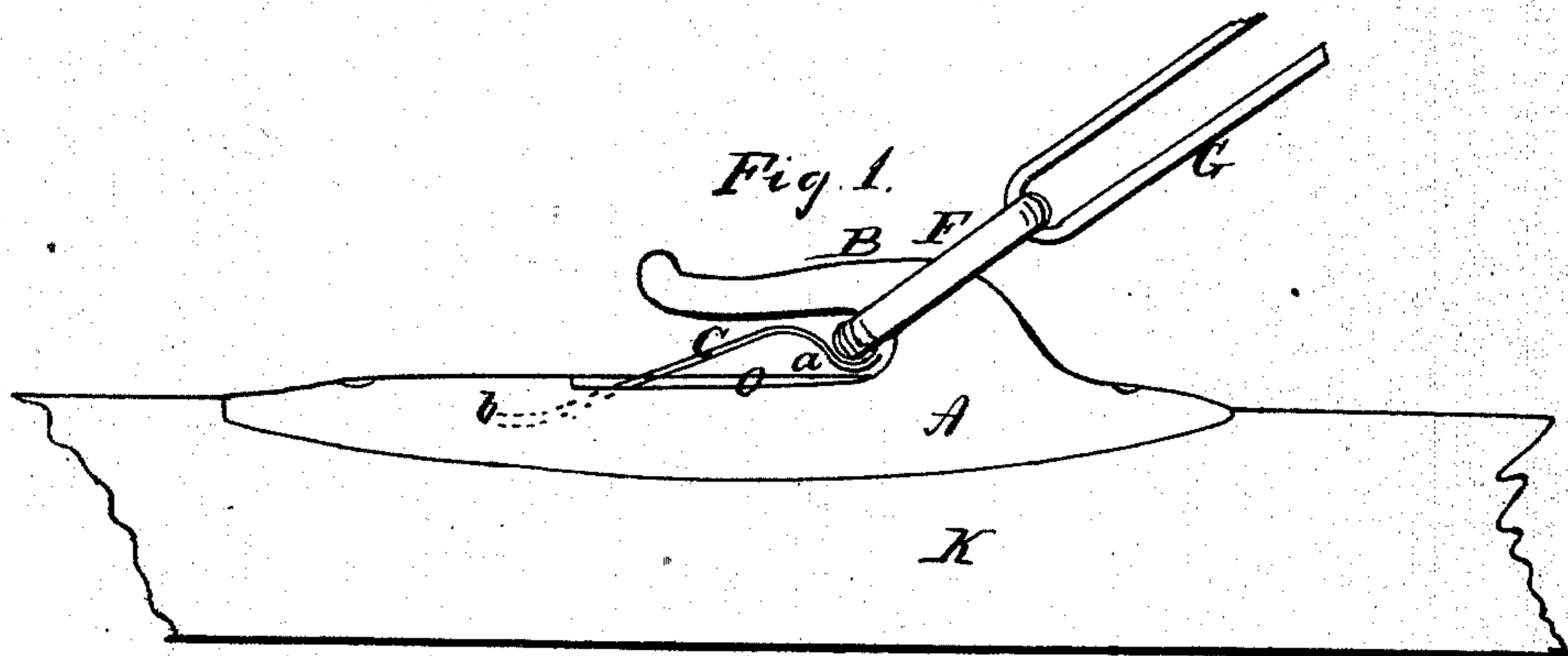


G. W. MILLER.
BREECHING HOOK.

No. 60,033.

Patented Nov. 27, 1866.



Witnesses.

Inventor

Edward St. Sydes
J. E. Fuller

Geo W. Miller
by his attorney
J. B. Gardner

United States Patent Office.

IMPROVEMENT IN BREECHING-HOOKS.

GEORGE W. MILLER, OF SPRINGFIELD, MASSACHUSETTS.

Letters Patent No. 60,033, dated November 27, 1866.

SPECIFICATION.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. MILLER, of Springfield, Hampden county, Commonwealth of Massachusetts, have invented a new and useful improved Breeching-Hook; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention consists of a breeching-hook, to be fastened to the shafts of carriages and other vehicles, and is so arranged that the ring of the breeching-strap being hooked in is held in place and kept from playing about.

In construction, I form my hook of a plate, which is either flat or semi-cylindrical, as may suit the shaft it is to be placed upon, having a hook upon its upper side. Underneath this hook is placed a spring, which is attached to the plate, and is so arranged as to support the ring, holding it up against the inside of the hook and preventing it from either being displaced or joggling about.

In the drawings, A is the plate to which the hook B is attached or forms part of. C is the spring fastened to the plate at its under side and curving up through the slot O in the same. This slot also gives room for the spring when it is pressed down by the insertion or removal of the ring F. It will be seen in fig. 1 that the spring is formed of several curves, so that in order to get the ring F either in or out of its resting-place in the hook the spring has to be pressed down by the ring passing between its highest part and the under side of the hook. The resting-place spoken of is the curve *a*, on the spring which fits around the bottom part of the ring F, and holds it in place by pressing it against the under side of the hook. The plate A is attached to the shaft K by means of screws or other suitable device. The ring F is either fastened to the breeching-strap prolonged or it is connected by means of a shorter strap, G, as may be convenient.

The advantages of this arrangement are that a convenient device is thus formed by which the attachment of the breeching to the shaft may be effected in a very secure manner and in a much shorter time than is the case with other methods of doing the same; all that is necessary being the mere act of hooking the ring in the hook, pressing it past the rise of the spring, and there it is secured against displacement, and also from rattling about; the process of unhooking it being equally simple and short.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A breeching-hook for the shafts of vehicles, having the spring, C, constructed substantially in the manner and for the purpose described.

GEO. W. MILLER.

Witnesses:

J. B. GARDINER,
EDWARD H. HYDE.