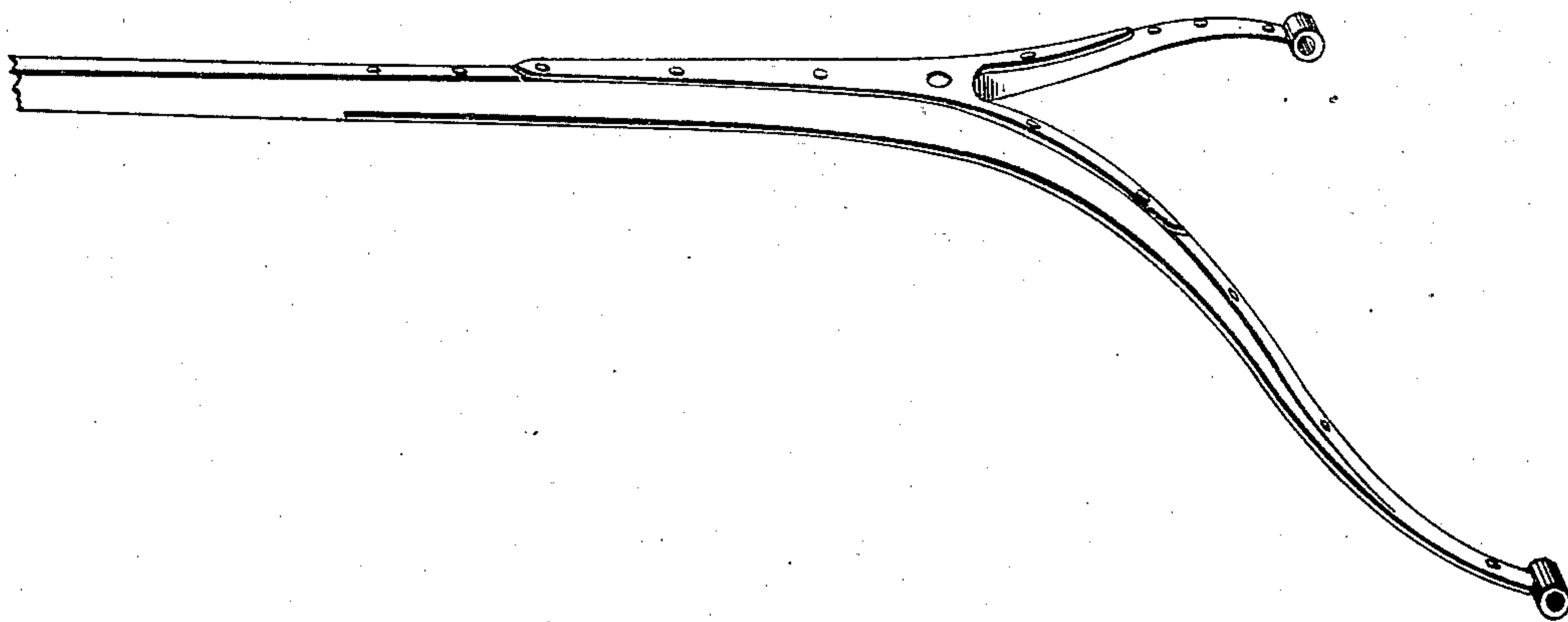


G. N. SHAW.

Carriage Pole.

No. 86,459.

Patented Feb. 2, 1869.



Witnesses
H. F. Chert
L. Hyde.

Inventor:
Geo N Shaw.
Per Attorney
Thos. J. Sprague



GEORGE N. SHAW, OF MUIR, MICHIGAN

Letters Patent No. 86,459, dated February 2, 1869.

IMPROVED CARRIAGE-POLE.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, GEORGE N. SHAW, of Muir, in the county of Ionia, and State of Michigan, have invented a new and useful Improvement in Wagon-Poles; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to the construction of wagon-poles of one piece of suitable timber, thereby entirely saving the necessity of the usual cross-bar, and considerable labor and iron in fitting up.

It consists in splitting a proper piece of timber as far as necessary to obtain the right spread, or as far as the point at which the evener is attached, and bending the two pieces, so obtained by splitting, outward and downward, so as to give the proper spread and rise, something in the form of the iron braces now in common use, connecting the pole to the carriage, thereby securing a lighter, stronger, and more elegant pole than those now in use.

A, in the drawings, represents a pole, one end of

which has been split, by sawing or otherwise, as far as the hole B, that being the point where the evener is secured by a proper bolt passing through the evener and said hole.

The two pieces, C and D, which have been obtained by such splitting-process, are bent outward and downward, as shown, and suitable attachments secured to their ends at E, by means of which to secure the same to the axle of the carriage.

I am aware that bent shafts are in common use, but I am not aware that a pole, with bent ends, made from one piece, as herein described, has ever been known; consequently,

What I claim as my invention, and desire to secure by Letters Patent, is—

The pole A, when constructed and operating substantially as set forth.

G. N. SHAW.

Witnesses:

J. BILLINGTON,
H. G. SYLVESTER.