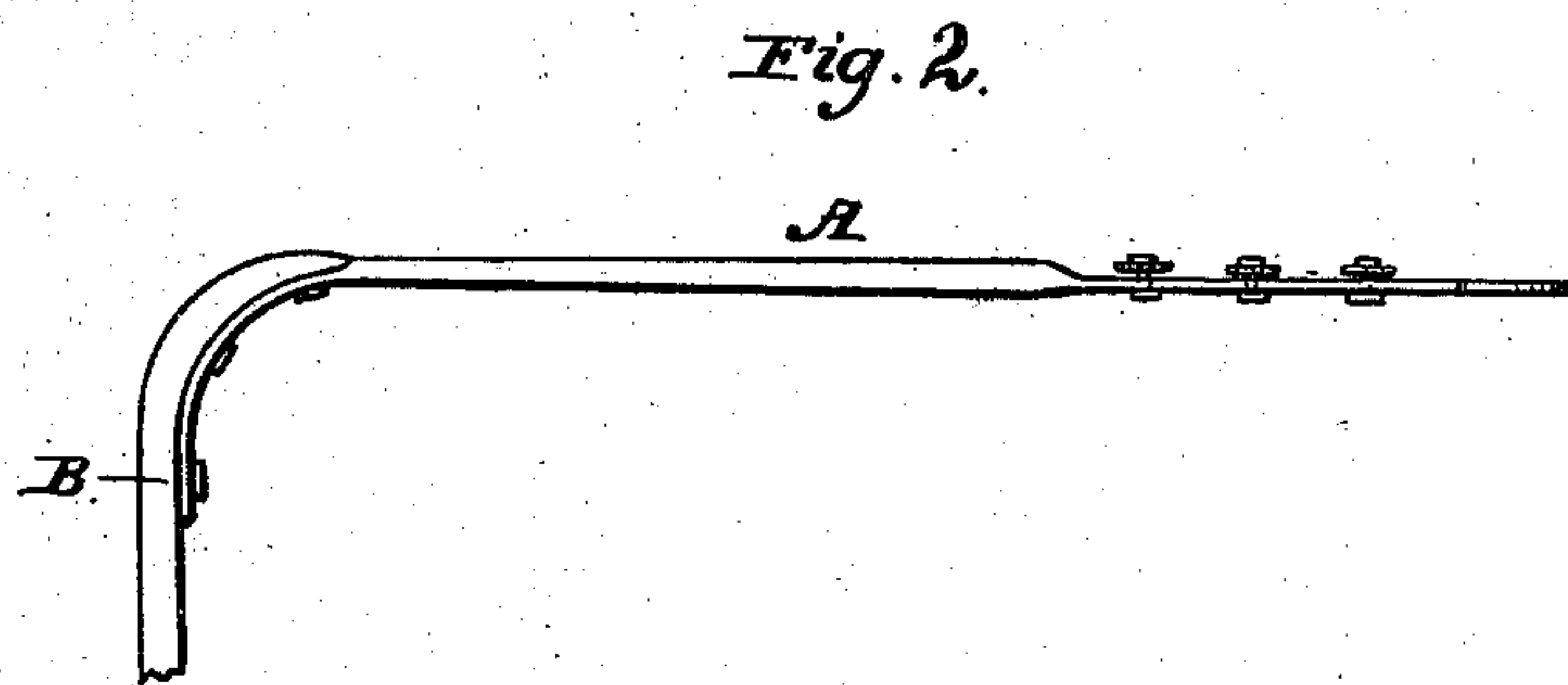
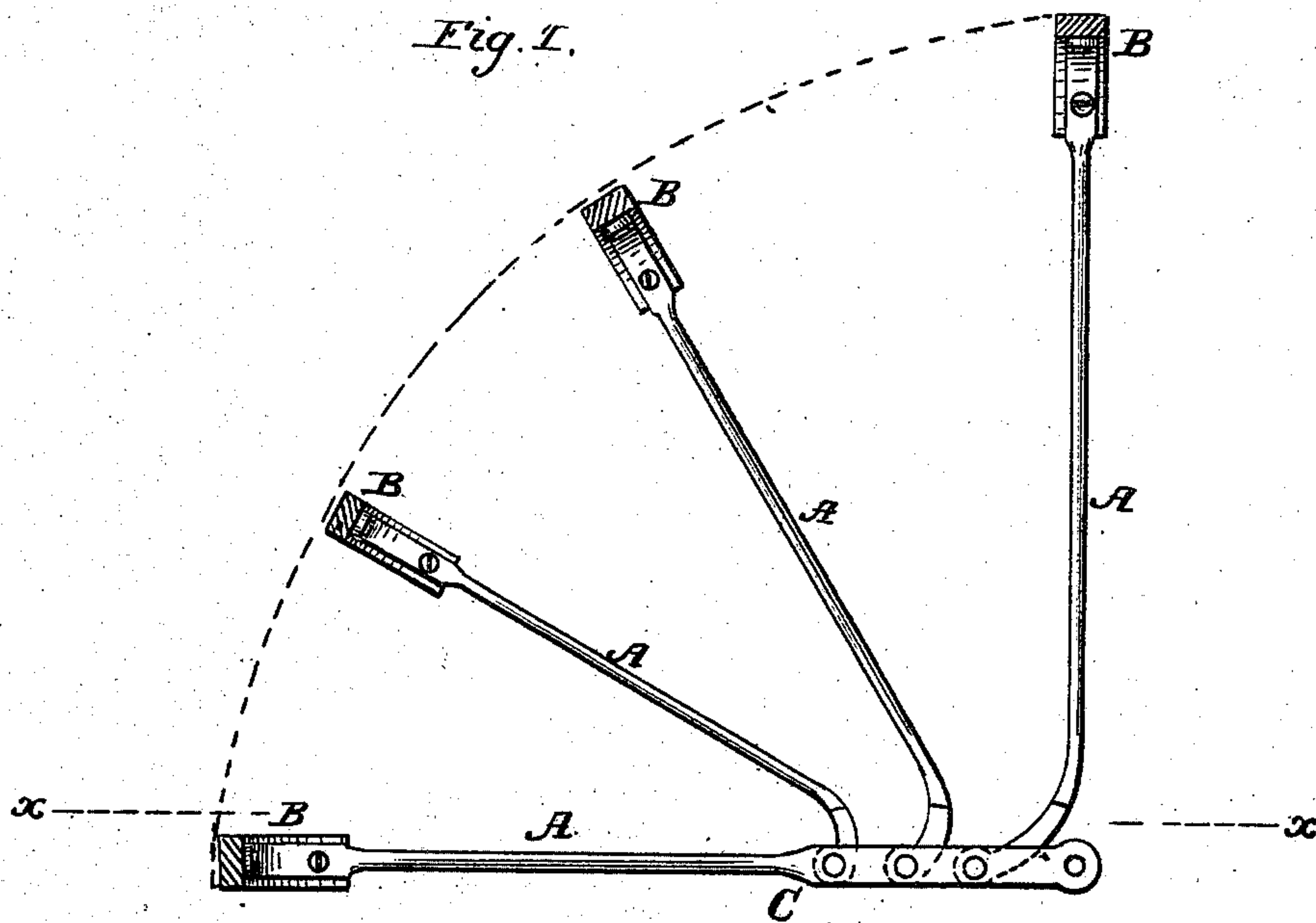


J. F. FOWLER.  
Carriage-Top Bow.

No. 104,724.

Patented June 28, 1870.



Witnesses:  
S. S. Mabee  
Alex. F. Roberts

Inventor:  
J. F. Fowler  
Per *Munn & Co.*  
Attys

# United States Patent Office.

JOINVILLE F. FOWLER, OF ALLIANCE, OHIO.

*Letters Patent No. 104,724, dated June 28, 1870.*

## IMPROVEMENT IN BOWS FOR CARRIAGE-TOPS.

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

*To all whom it may concern :*

Be it known that, JOINVILLE F. FOWLER, of Alliance, in the county of Stark and State of Ohio, have invented a new and useful Improvement in Steel Bows for Carriage-Tops; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in bows for the tops of carriages, buggies, &c., whereby they are made more durable, and are made to present a lighter and more elegant appearance than bows made in the ordinary manner, and

It consists in making the bow from the joint to the curve of the top, of steel or of equivalent metal, with a curve on the end of the steel, to which the wood top is made to conform, or in making the bow entirely of steel, as hereinafter more fully described.

In the accompanying drawing—

Figure 1 is a side view of the bows of a carriage-top extended.

Figure 2 is a horizontal section of fig. 1, on the line *x x*.

Similar letters of reference denote like parts.

In this example of my invention, the steel portions of the bows are connected with wood tops, the ends

of the steel bows being curved to receive the wood, as seen in fig. 2.

A represents the steel,

B, the wood.

Instead of making the entire bow of part steel and part wood, the bow may be made entirely of steel, but I prefer the mode shown in the drawing. The steel and the wood are connected and fastened together by screws or rivets, as represented in the drawing. The lower ends of the bows are jointed to the main bow C, so that the connection is strong and durable.

By thus forming the main portion of them of steel or of any equivalent metal, the bows are much lighter in appearance and more durable than when made of wood in the ordinary manner.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The steel bows A, either with or without the wood tops B, substantially as and for the purposes described.

JOINVILLE F. FOWLER.

Witnesses:

JOSEPH BARNABY,  
JOHN EASTMAN.