

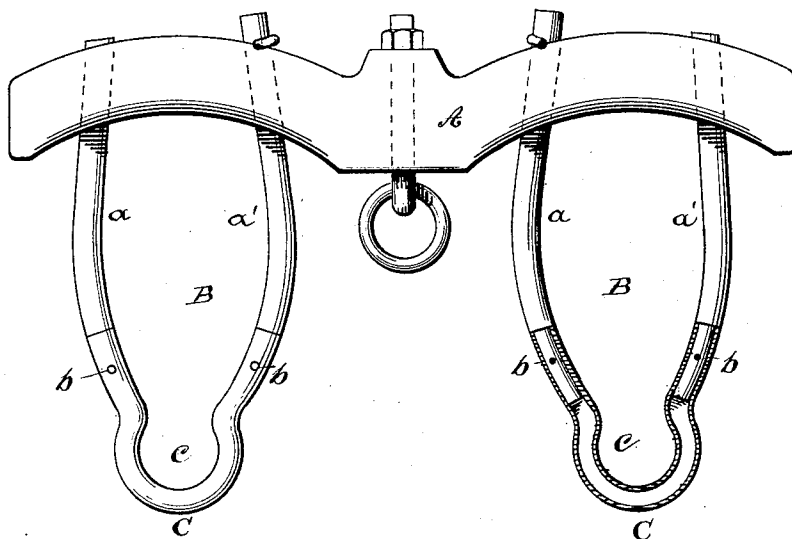
(No Model.)

L. RUNDELL.

OX BOW.

No. 366,883.

Patented July 19, 1887.



WITNESSES:

D. S. Mott
C. Spalding

INVENTOR:

L. Rundell
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

LUMAN RUNDELL, OF NEW BALTIMORE, NEW YORK.

OX-BOW.

SPECIFICATION forming part of Letters Patent No. 366,893, dated July 19, 1887.

Application filed February 8, 1887. Serial No. 226,942. (No model.)

To all whom it may concern:

Be it known that I, LUMAN RUNDELL, of New Baltimore, in the county of Greene and State of New York, have invented a new and Improved Ox-Bow, of which the following is a specification, reference being had to the accompanying drawing, which is a side elevation, partly in section.

The object of my invention is to provide an improved ox-bow which will not bear upon the windpipe or upon the veins or arteries of the neck.

My invention consists in a bow formed partly of wood and partly of metal, the metal portion being made tubular and forming an enlarged lower part of the bow.

The yoke A, which is of the usual description, is adapted to receive the arms *a a'* of the bows B, in the usual way. Each bow B consists of a metallic part, C, and the wooden arms *a a'*.

The metallic part C forms the lower portion of the bow, and is made tubular, and tenons are formed on the ends of the wooden arms *a*, which fit into the ends of the tubular part C, and are secured therein by rivets *b*.

The metal and wooden parts of the bow are of the same diameter, and the metal part C is provided with the central outwardly-bowed loop, *c*, which is of sufficient size to relieve the lower part of the throat of the ox from any pressure of the bow.

Although I have described my improved bow as being made of metal and wood, I do not confine myself to this construction, as it may be made entirely of one material. For example, it may be made of a piece of gas-pipe bent into suitable form, or it may be made entirely of wood bent into the form shown in the drawing.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

An ox-bow formed of wooden arms *a a'* and the tubular metallic middle section C, having an outwardly-bowed central portion, *c*, substantially as specified.

LUMAN RUNDELL.

Witnesses:

SIDNEY A. DWIGHT,
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