

M. W. MASON.

Ox-Yoke.

No. { 1,999, }
 { 33,003. }

Patented Aug. 6, 1861.

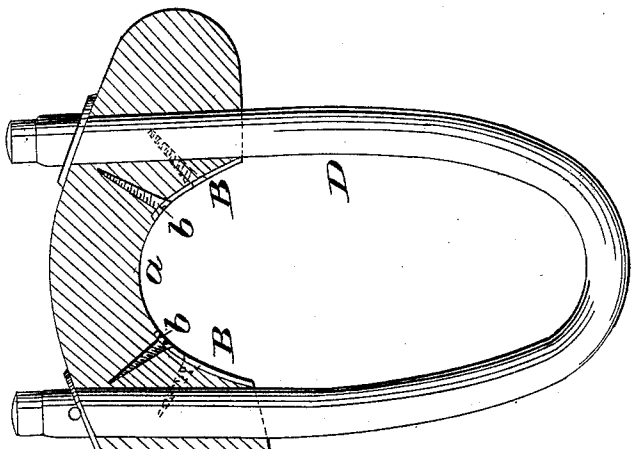


Fig. 1.

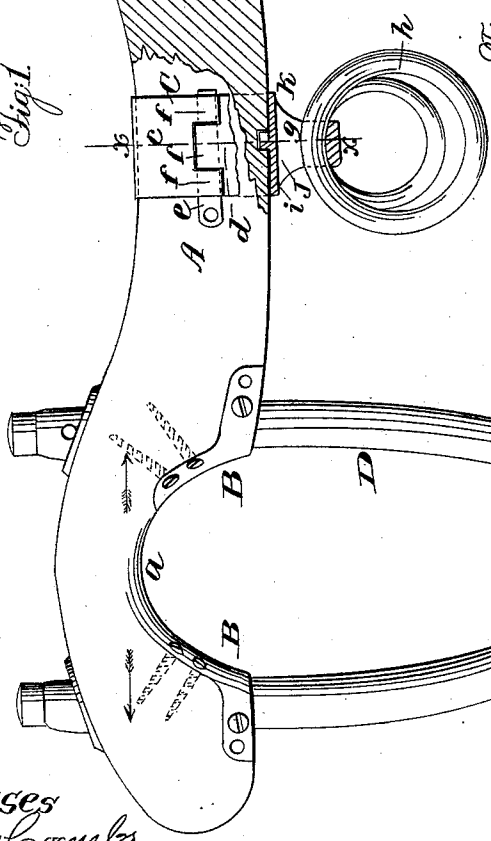
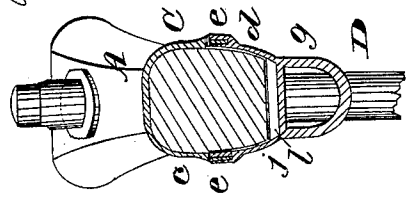


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

M. W. MASON, OF ELBRIDGE, NEW YORK.

OX-YOKE.

Specification of Letters Patent No. 33,003, dated August 6, 1861.

To all whom it may concern:

Be it known that I, M. W. MASON, of Elbridge, in the county of Onondaga and State of New York, have invented a new and Improved Ox-Yoke; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a front view of my invention partially bisected; and Fig. 2 is a section of the same, taken in the line *x, x*, Fig. 1.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to provide a means for regulating the draft attachment so that either animal may be favored in draft if occasion requires.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A represents the body or main part of the yoke, which is formed out of a single piece of wood, as usual, but instead of long curves made in it to fit on the necks of the animals; said curves *a*, in my yoke are made shorter and "quicker" so as to approximate quite closely to semicircles, and fit snugly on the necks of the animals forming a good bearing surface for the neck at each side of the animal—see Fig. 1. These short quick curves would render the yoke liable to split in the direction of the grain of the wood as indicated by the arrows in Fig. 1, as it will be seen that the space is quite narrow at these points, but in order to prevent splitting I use metallic plates B, the same being screwed to the yoke at the angles formed by the curves *a*. The plates B, may be of malleable cast-iron of a suitable thickness and "let in" the yoke so as to be flush with it—see Fig. 1. The screws *b*, are of sufficient length to penetrate a considerable distance into the yoke obliquely with the grain and bind the same together to prevent splitting.

By means of the plates B, B, secured to the body of the yoke A, as shown and de-

scribed the yoke is rendered perfectly strong and durable, while the benefit of the short curves *a*, are obtained, said curves admitting of the yoke fitting snugly to the necks of the animals.

C represents a metal strap which encompasses the yoke A, at about its center. This strap is formed of two parts *c, d*, connected by horizontal keys *e*, which pass through loops *f*, of the parts *c, d*, which interlock, as shown clearly in Fig. 1, the keys and loops being at each side of the yoke. The lower part *d*, of the strap C, is provided with an eye *g*, in which the draft rings *h*, are placed, and at the inner side of the lower part *d*, there is a ledge *i*, which fits into a groove *j*, made transversely in the under side of the yoke. The groove *j*, is considerably wider than the ledge *i*, and the width of the groove admits of a variation of the position of the strap C, on the yoke A, a wooden key *k*, being used and placed in the groove *j*, at either side of the ledge *i*, or the ledge *i*, may be fitted directly in the center of the groove *j*, by placing a key at each side of it. Thus it will be seen that the position of the strap C, on the yoke A, may be varied and either animal favored in draft, as may be desired.

The bows D, D, may be fitted and secured in the body of the yoke in the usual or in any proper way.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:

The strap C, when formed of two parts *c, d*, connected together substantially as shown, and the lower part *d*, provided with a ledge *i*, which is fitted in a groove *j*, in the under side of the yoke, and secured therein by a key or keys *k*, substantially as and for the purpose specified.

M. W. MASON.

Witnesses:

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