

E. I. Brazenor,

Horse Collar Block.

No. 101,819.

Patented Apr. 12. 1870.

Fig. 1.

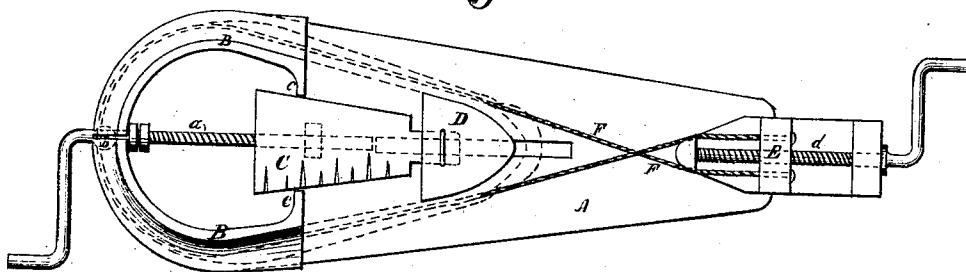
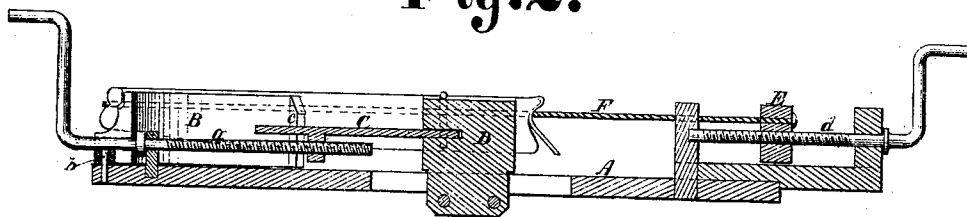


Fig. 2.



Witnesses:

A. M. Leachlin

William A. Forbes

Inventor.

E. I. Brazenor

United States Patent Office.

E. L. BRAZENOR, OF BIRMINGHAM, GREAT BRITAIN, ASSIGNOR TO RICHARD BRAZENOR, OF SAME PLACE.

Letters Patent No. 101,819, dated April 12, 1870.

IMPROVED HORSE-COLLAR BLOCK

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

I, E. L. BRAZENOR, of Birmingham, in Warwickshire, and Kingdom of Great Britain, have invented certain Improvements in Collar-Extension Blocks, of which the following is a specification.

The nature of my invention consists in the construction and arrangement of mechanism for "blocking" collars for horses, when made of long or short straw, and for proportioning the length to the width of the collar, adapting it to the peculiar form of neck of the animal, and also making a better fit for the "hames," and turning the throat of the collar out to clear the breast of the horse.

Figure 1 represents a plan of my device for "blocking" collars.

Figure 2 is a longitudinal section of the same.

A is the frame of the machine, to one end of which are pivoted at *b* the two symmetrical expansible formers B B, taken together. The formers are in outline similar to a horse-shoe, their exterior surfaces being formed to mold the collar made upon them.

c c are inwardly-projecting lugs, forming part of the ends of the formers. They bear upon the tapering edges of the gauge-plate C, which is operated by the screw *a*.

The gauge-plate C tapers toward the tension-former D, to which it is pivoted.

The tension-former is so constructed that it is made to form the small end of the collar.

A movable head, E, located at the opposite end of the machine to the formers B B, is operated by the screw *d* pivoted in standards attached to the frame A.

To the head E is secured the cord F. It is looped

about the collar which is being formed upon the formers B B D.

The expansible formers B B having been retracted at the time the tension-former D is drawn toward them by operating the screw *a*, the unformed collar is placed over the formers as indicated in outline in the drawings, the cord F is placed in the "hames"-recess, and the screws *a* and *d* operated, and, by proper manipulation of the surface of the collar at the time the formers are extending it in width and length, the desired form may be imparted to the various parts.

By forcing out the gauge-plate C between the formers B B till certain points on the plate are opposite the lugs *c c* of the formers B B, certain relative dimensions are given to the interior face of the collar.

This machine greatly facilitates the operation of collar-making, and enables the producer to furnish a better article than has been heretofore offered to the public.

I claim as my invention—

1. The expansible formers B B and tension-former D, when combined and arranged with the gauge-plate C operated by the screw *a*, and jointly operating therewith, as described.

2. The arrangement of the tension-former D, gauge-plate C, expansible formers B, screw *a*, cord F, and movable head E, when operating together, as described.

E. L. BRAZENOR.

Witnesses:

A. MCLACHLIN,
WILLIAM F. FORBES.