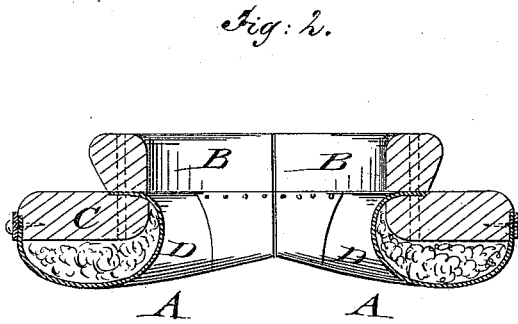
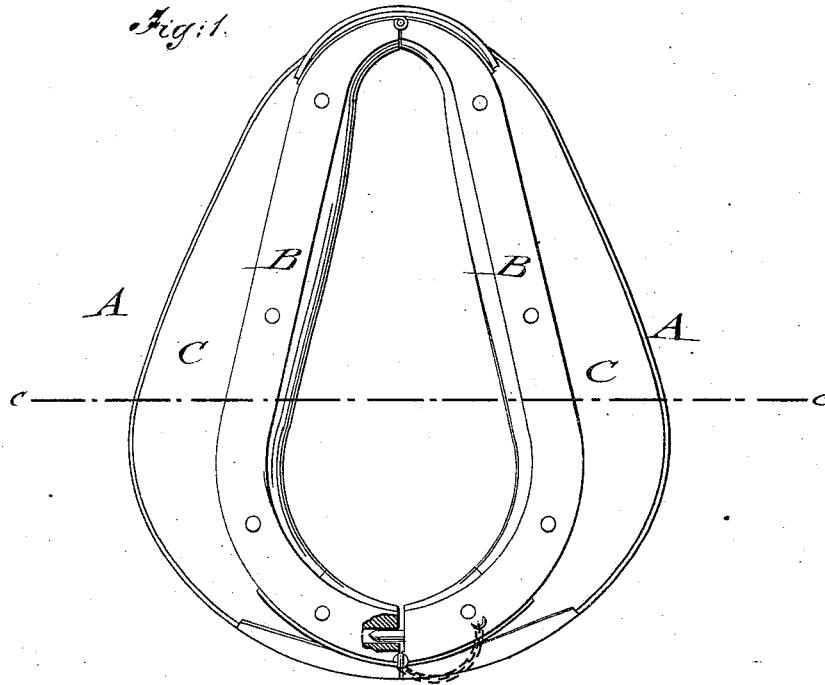


T. CHEAL.
Horse-Collar.

No. 161,930.

Patented April 13, 1875.



WITNESSES:

Chas. Nida
A. F. Terry

INVENTOR:

T. Cheal
BY *mm*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS CHEAL, OF ST. PAUL, MINNESOTA.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. **161,930**, dated April 13, 1875; application filed December 19, 1874.

To all whom it may concern:

Be it known that I, THOMAS CHEAL, of St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and Improved Horse-Collar, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front elevation, and Fig. 2 a horizontal section on the line *c c*, Fig. 1, of my improved horse-collar.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claim.

In the drawing, A A represent the sections or halves of the collar, which are hinged at the upper or top joint for being readily thrown over the neck of the horse, and securely connected at the lower or throat part by a suitable locking device. Each half-section A of the collar is constructed of a rim-piece, B, and a broader back-piece, C, which are made of wood, and fastened rigidly together by screw-bolts, forming a collar of greater strength than the common leather collar. The outer side of the rim-piece C is grooved to receive the hame, which can be adjusted with ease, and fastened without

slipping off, the wooden bearing of the rim and back piece offering a greater friction to a displacement of the same. The parts of the back at the inside and top are made smooth, for fitting softly and evenly to the neck of the horse, without galling or bruising the same, a suitable padding, D, being furthermore applied, and rigidly bound, between the rim and back pieces, and riveted to the outer side. The broader back piece carries the trace away from the shoulder, so as not to bruise the same.

The collar is stronger, cheaper, and better fitting than the common kind of collars in use, and may, with suitable iron bindings, be used advantageously for the heaviest work.

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

A wooden horse-collar, consisting of two back pieces, C C, hinged at top, front pieces B B, beveled to receive the hames, and a padding, D, secured between the parts B C, as shown and described.

THOMAS CHEAL. [L. S.]

Witnesses:

A. B. JOHNSON,
R. W. JOHNSON.