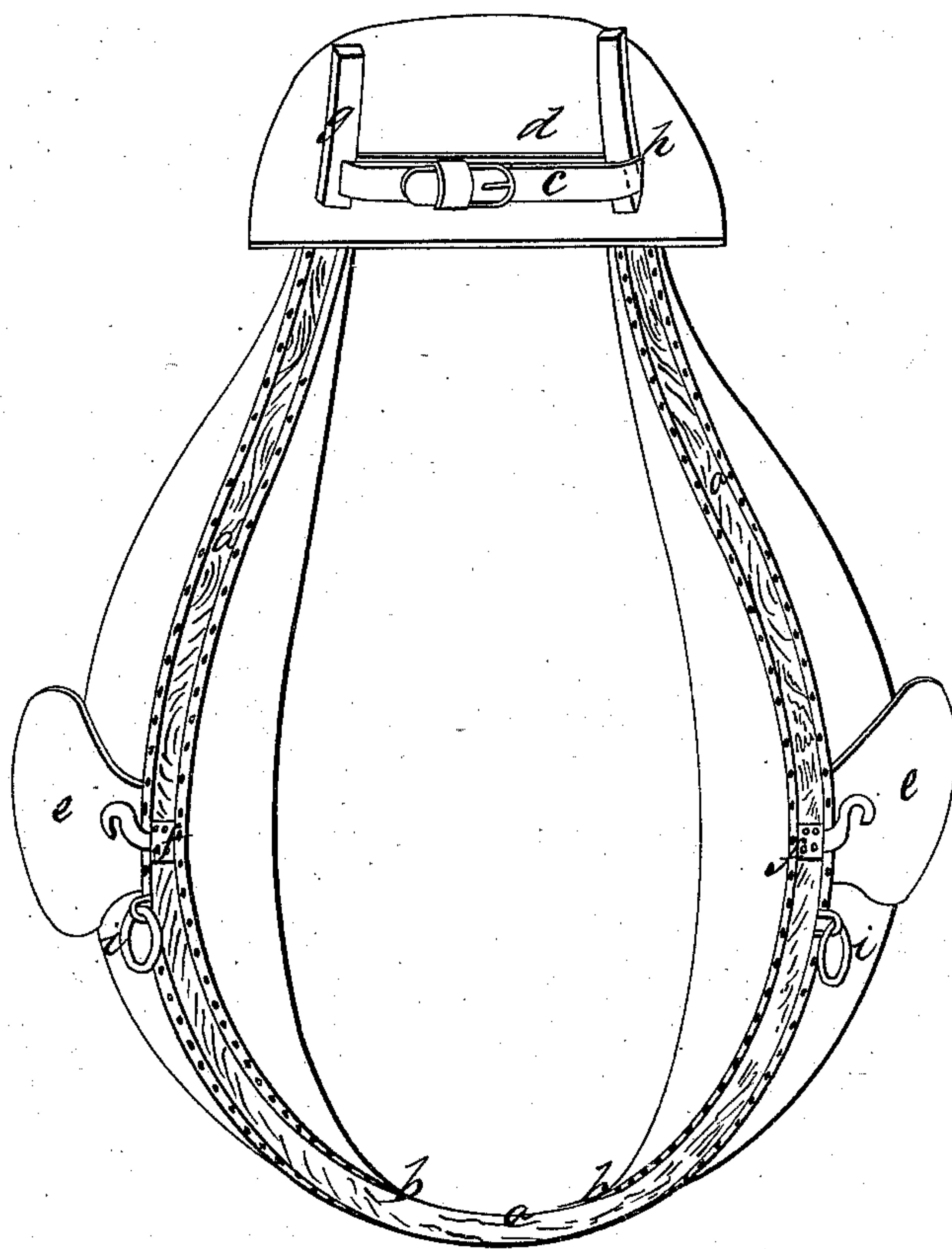


*F. C. Curtis,*  
*Horse Collar,*  
*N<sup>o</sup> 4,136.                      Patented Aug. 4, 1845.*



# UNITED STATES PATENT OFFICE.

F. C. CURTIS, OF COLUMBIA, SOUTH CAROLINA.

## HORSE-COLLAR.

Specification of Letters Patent No. 4,136, dated August 4, 1845.

*To all whom it may concern:*

Be it known that I, F. C. CURTIS, of Columbia, in the district of Richland and State of South Carolina, have invented a new and  
5 Improved Mode of Making Harness Collars and Hames; and I do hereby declare the following to be a full and exact description of the same.

The nature of my invention consists of  
10 forming a bow of wood to fit the neck of horses or mules and of ironing and padding the same, so as to constitute a collar and hames all complete in one.

To enable others skilled in the art to make  
15 and use my invention, I will proceed to describe its construction and operation by referring to the drawing herewith submitted.

*a a a* represents the front of the bow. At point *g* a hole is made through the bow suitable for a strap to pass through. Opposite point *g* a place is cut in the bow either on the outer, front or back part of the bow about an inch and a quarter long and about a quarter of an inch deep. A piece of iron  
25 *h* is fastened to the bow by riveting or otherwise above this place so cut and extends about a quarter of an inch over the upper part of it. At points *f f* the bow is ironed by being bound with an iron band and by  
30 hooks passing through the iron binding and bow and riveting on the inner part of the bow, to which hooks the draft is attached. These hooks can be made with joint or the bow can be ironed with loops staples or  
35 eyes or clips, in which latter cases, the trace will require a hook or clip to attach it to the collar. Below the draft rings *Z'*, are attached to the bow by staples to hold back by. From these points *b b* to *g* or *h* the bow is  
40 padded by tacking or sewing on, leather or

cloth, and stuffing it with straw or any substance suitable. *d* is a chafe leather in form, a half circle, through which two holes are cut for the bow to pass. *C* is the strap that passes through the hole at point *g* and  
45 around the bow and under the iron at point *h*. This strap holds the bow in its place and regulates the size. By springing the bow together at the top the strap can be slipped from under the iron at point *h* and taken  
50 off over the top without unbuckling the strap.

Letters *e e* are chafe leathers to wear under the traces.

A fine collar can be made by cutting off  
55 the bow at points *g* and *h* and covering the entire wood and extending the padding to the center of the bow. Terrets can be added about 3 inches from the top of the bow. The bow can be confined at the top by a buckle  
60 and strap passing through loops fastened to the bow or by buckles and straps sewed to the leather or nailed to the bow.

The common article is particularly adapted to plowing and all heavy drafting. I  
65 think it will be cheaper, be more convenient and work better than any article heretofore used.

What I claim as my invention and desire  
70 to secure by Letters Patent is—

The combination of a bow of wood to fit the neck of a horse or mule with the mode herein described of ironing and padding the same, so as to constitute the harness-collar and hames all complete in one.

F. C. CURTIS.

Witnesses:

H. W. HOLLISTER,  
WILLIAM F. WELSH.