

No. 720,696.

PATENTED FEB. 17, 1903.

G. T. HYDE.
NECK YOKE.

APPLICATION FILED OCT. 24, 1902.

NO MODEL.

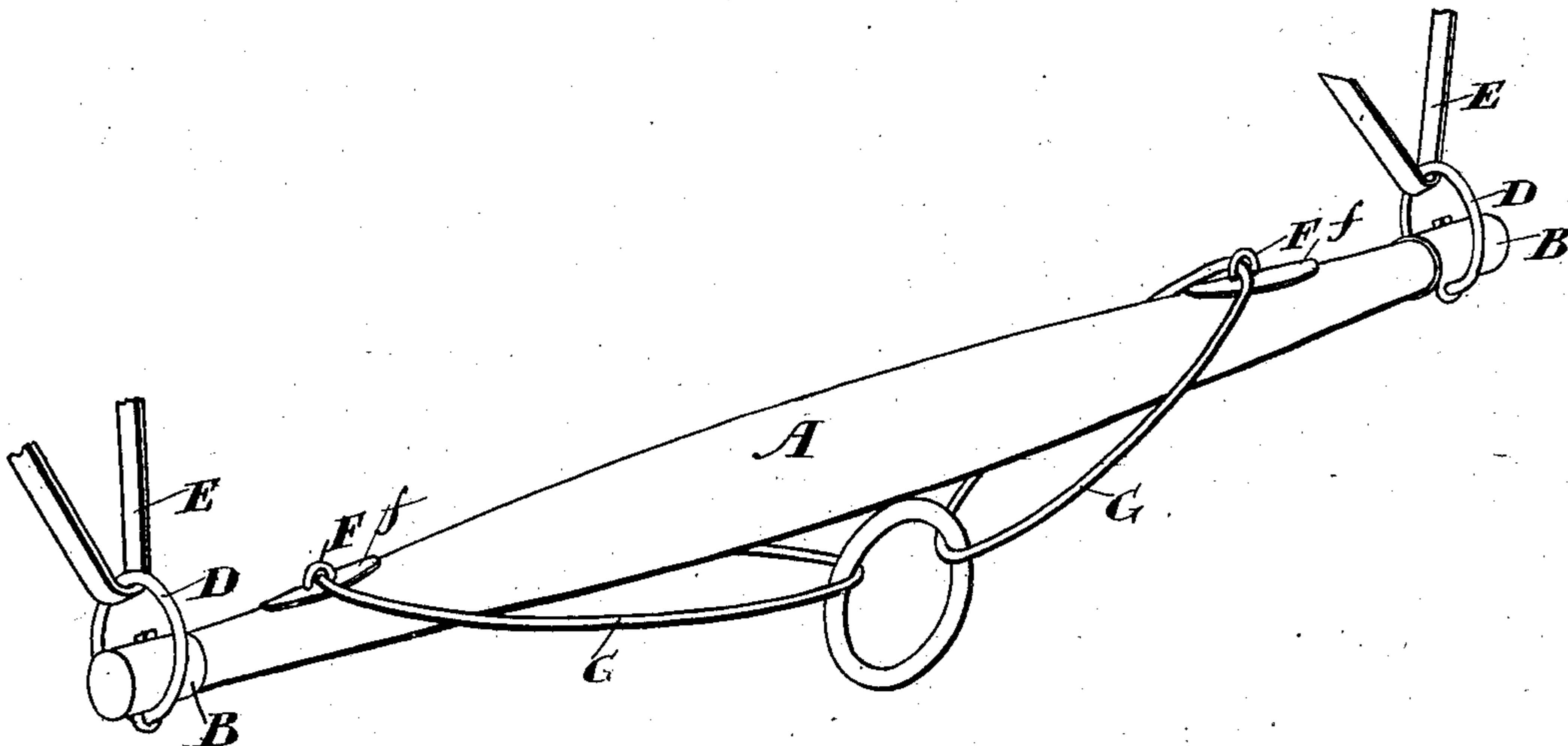


Fig. 1.

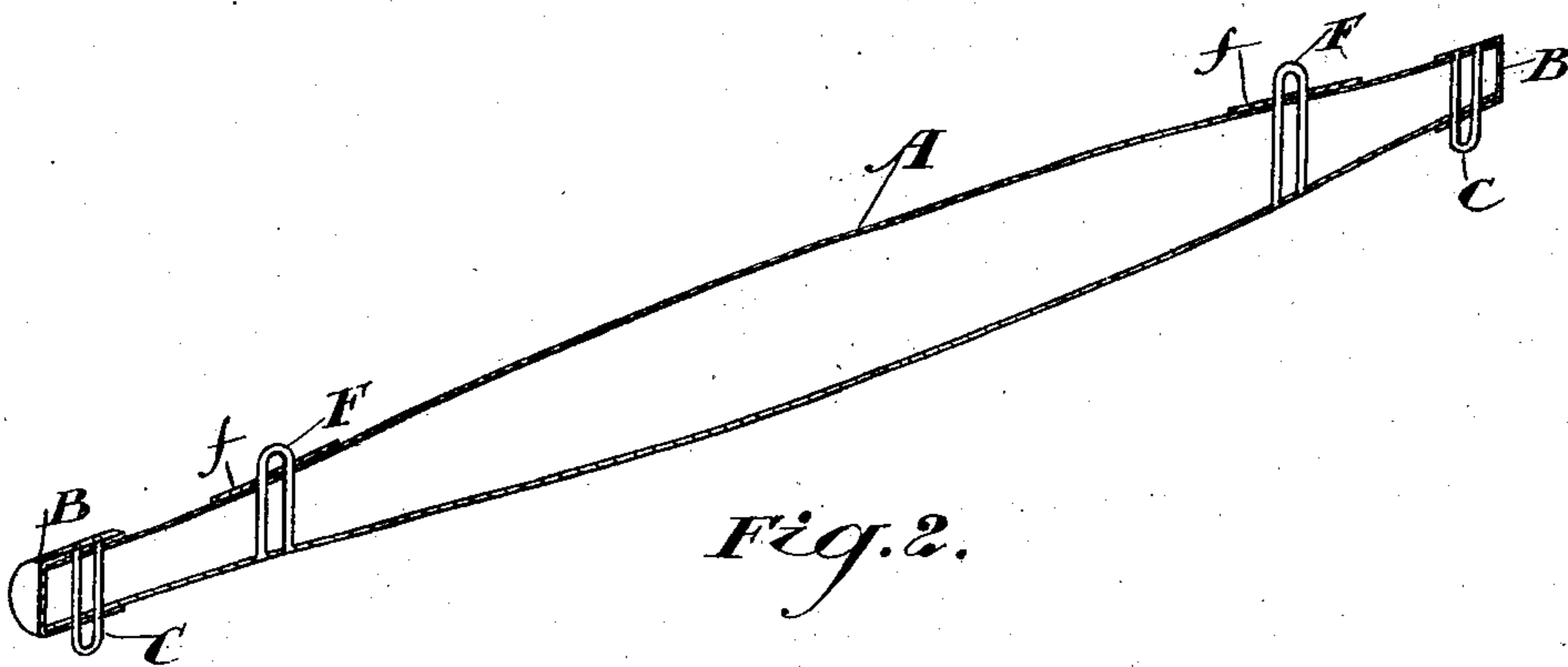


Fig. 2.

Witnesses

H. S. Cunningham
R. Shields

Inventor:

G. T. Hyde.
By [Signature]

UNITED STATES PATENT OFFICE.

GEORGE THOMAS HYDE, OF PRINCETON, CANADA.

NECK-YOKE.

SPECIFICATION forming part of Letters Patent No. 720,696, dated February 17, 1903.

Application filed October 24, 1902. Serial No. 128,602. (No model.)

To all whom it may concern:

Be it known that I, GEORGE THOMAS HYDE, of the village of Princeton, in the county of Brant, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Neck-Yokes and the Like, of which the following is a specification.

My invention relates to improvements in neck-yokes, whiffletrees, doubletrees, and the like; and the object of the invention is to devise a simple, cheaply-made, strong, and durable light form of device of this class; and it consists, essentially, of a tubular bar formed of metal and provided with end caps and staples extending therethrough and through the ends of the tube to secure the caps in place and form a means for connecting the rings to the bar, intermediate staples, and reinforcing-pieces through which the staples extend to the opposite side of the bar, the loops carrying the central ring of the yoke extending through the staples and the parts being otherwise constructed and arranged, as hereinafter more particularly explained.

Figure 1 is a perspective view of my improved neck-yoke. Fig. 2 is a longitudinal section.

In the drawings like letters of reference indicate corresponding parts in each figure.

A is the bar of the neck-yoke, which is made of sheet metal and is formed or stamped up hollow throughout its length.

B represents end caps which fit over the reduced ends of the bar A.

C represents staples which extend through the caps B and bar at each end and are suitably riveted at their ends in the caps and bar, as indicated.

D represents the end rings which extend through the ends of the staples projecting outside the caps.

E represents the supporting-straps, which extend through the rings D to the collar.

F F are staples which extend through the center of the bar from one side to the other, being riveted to one side and extending at the loop side through reinforcing-pieces f.

G G are the leather loops connecting the staples F F to the central ring H of the neck-yoke.

It will be seen from the description of my neck-yoke that it is very simple, cheap to make, light, and strong.

What I claim as my invention is—

1. In a neck-yoke and the like, the combination with the single hollow metal bar tapered toward its ends, of the end caps fitting over the ends of the same and the staples extending through the end caps and through the ends of the bar and suitably riveted in same and projecting beyond the periphery of the cap to hold the rings as and for the purpose specified.

2. In a neck-yoke and the like, the combination with the hollow metal bar, of the end caps fitting over the ends of the same and the staples extending through the end caps and through the ends of the bar and suitably riveted in same and projecting to the periphery of the cap to hold the rings and intermediate staples and metallic reinforcing-pieces through which and the hollow bar the staples extend and are fastened as and for the purpose specified.

3. In a neck-yoke or the like, the combination with the hollow metal bar, of staples extending through the bar near each end, a central ring and two loops encircling the bar and having one end connected to the staples and the other to the central ring as and for the purpose specified.

4. A neck-yoke or the like comprising a hollow metal bar, staples extending through the bar at each end, oppositely-arranged additional staples extending through the bar a short distance from the ends, a pair of loops encircling the bar and passing one through each of said last-named staples, and a ring connecting the loops, substantially as described.

GEORGE THOMAS HYDE.

Witnesses:

B. BOYD,
G. S. BATE.