G. BENNETT.

Neck-Yoke Tug.

No. 99,524. Patented Feb. 8, 1870.

FIG. 1

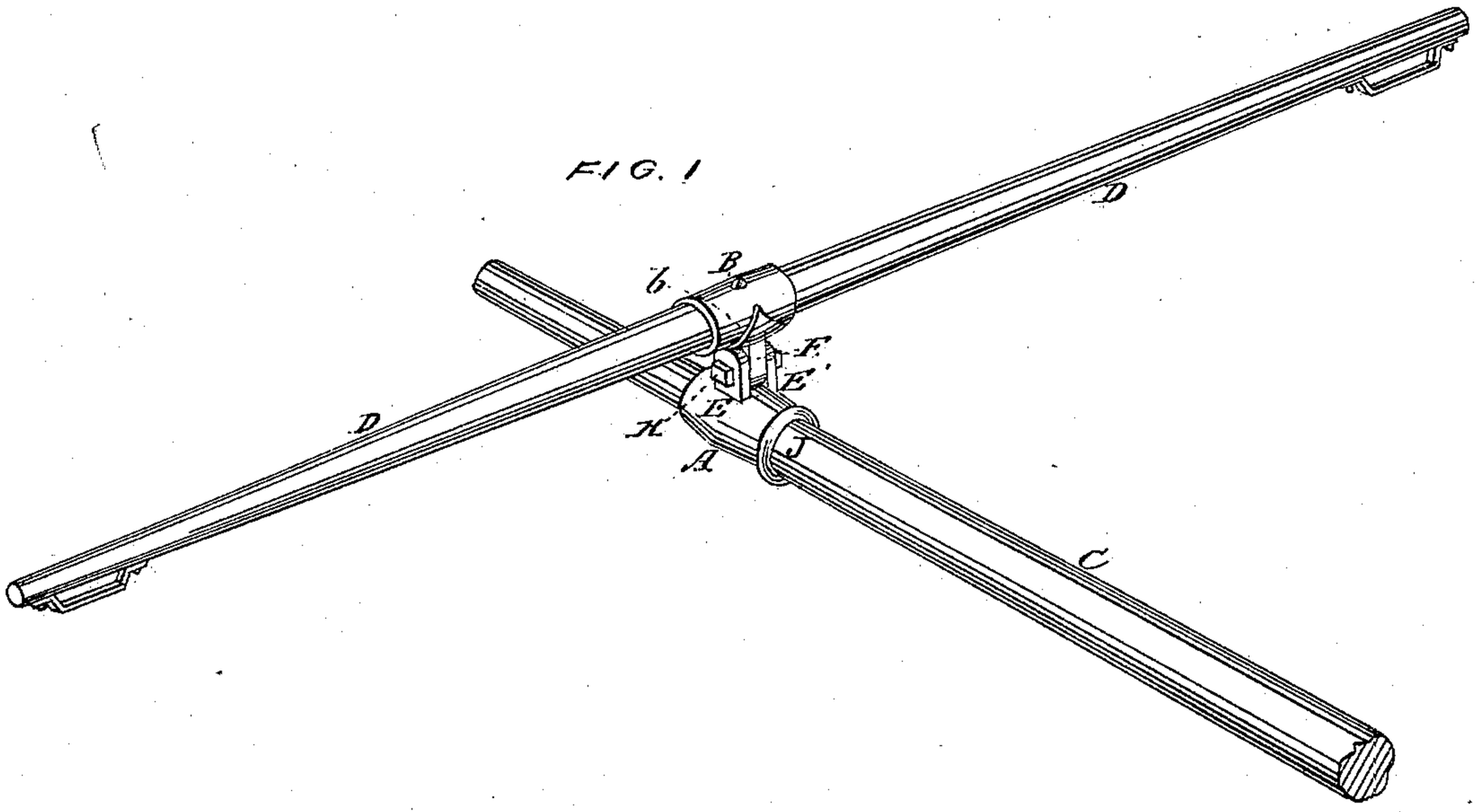


FIG. 2

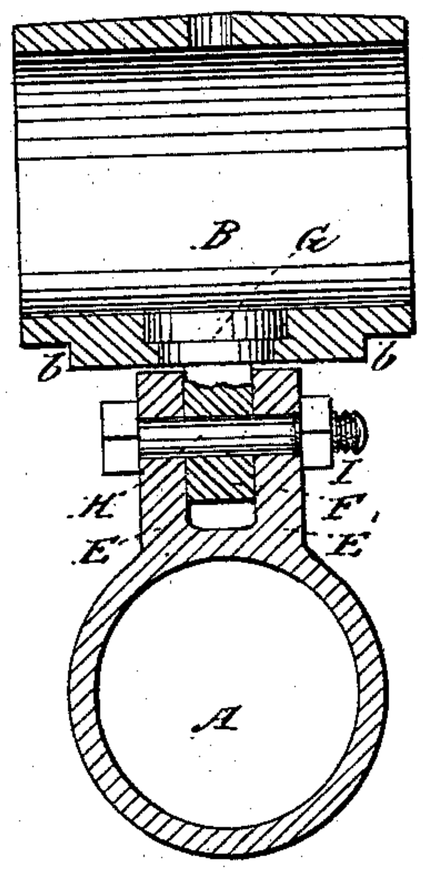
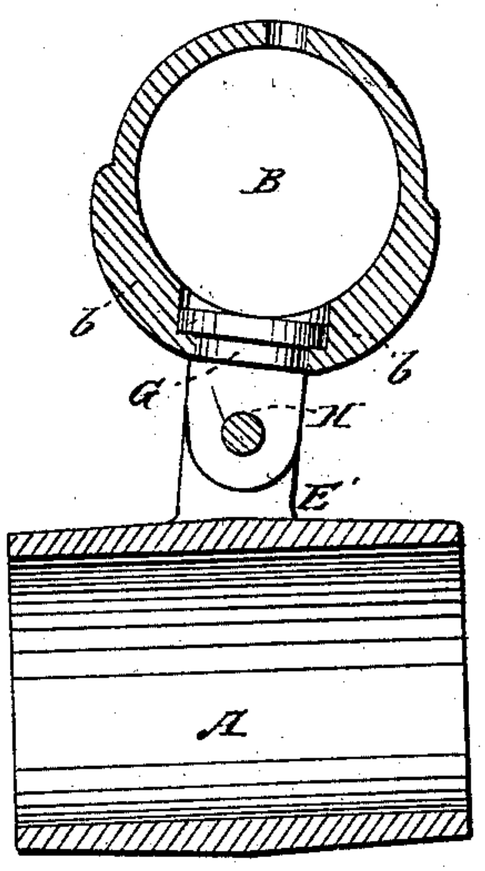


FIG. 3



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GEORGE BENNETT, OF NEW PENNINGTON, INDIANA.

Letters Patent No. 99,524, *dated February* 8, 1870.

IMPROVEMENT IN NECK-YOKE TUGS.

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

I, GEORGE BENNETT, of New Pennington, Decatur county, Indiana, have invented a new and useful Neck-Yoke for Wagon and Carriage-Poles, as well as those of reapers, mowers, and other farm implements, of which the following is a specification.

Nature and Objects of the Invention.

My invention relates to a construction of metallic neck-yoke tug, or coupling, between the pole or tongue and the neck-yoke tree, which, while much exceeding the customary leather tug in durability and safety, is also capable of yielding in every direction, so as to impose the least possible strain or restriction upon the yoke and its attachments while in use.

General Description with Reference to the Drawings.

Figure 1 is a perspective view of the neck-yoke, in position upon the tongue or pole.

Figure 2 is a vertical section of my neck-yoke, in the plane of the neck-yoke tree.

Figure 3 is a vertical section of my neck-yoke, in the plane of the pole.

A and B are two ferrules, which may be of either wrought or malleable iron, and which enclasp, respectively, the pole C and the neck-yoke tree D.

The ferrules A and B are coupled by means of a swivel or universal joint, which may have the following construction:

Extending from the ferrule A, are two perforated lugs, E E′, which receive between them the perforated shank F of a swivel-bolt, whose head, G, is engaged behind the perforated boss *b* of the ferrule B.

A bolt, H, passing through and uniting the lugs E E′ and the perforated shank F, permits to the ferrules free oscillation in the plane of the swivel-bolt, while said swivel-bolt itself permits unrestricted oscillation at right angles to said plane.

The bolt H is held in place by means of a nut, I, or its equivalent.

A collar, J, may be introduced, to form a supporting-shoulder to the ferrule A; or said ferrule may be in the form of a thimble, entirely enclosing the front end of the pole.

Claim.

I claim, as my invention—

The neck-yoke tug, or coupling, composed of the ferrules A B, and the described swivel-joint E E′ F G H I, for the purpose set forth.

In testimony of which invention, I hereunto set my hand.

GEORGE BENNETT.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.