

F. HANNIG.
NECK-YOKE.

No. 183,846.

Patented Oct. 31, 1876.

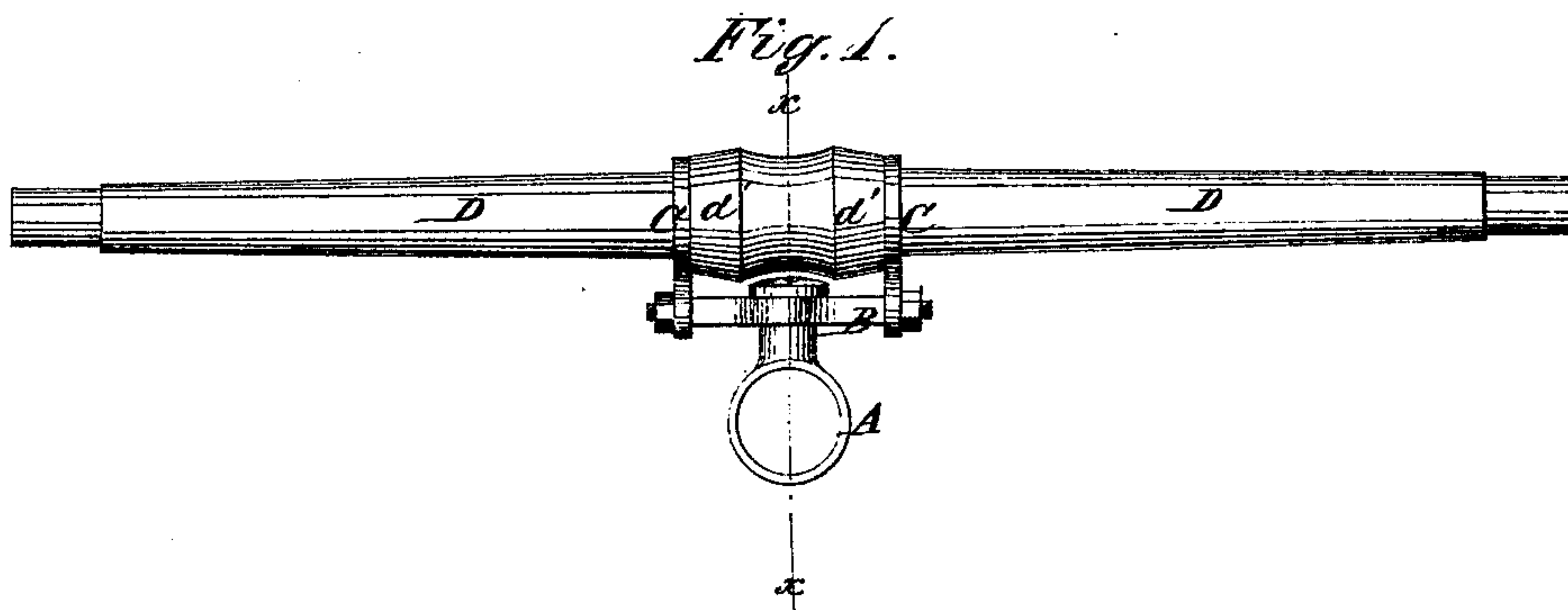
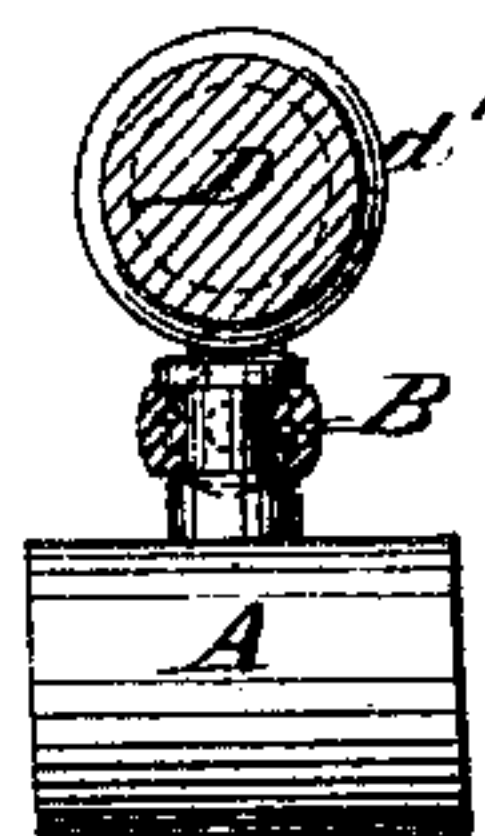


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK HANNIG, OF LOCKHART, TEXAS.

IMPROVEMENT IN NECK-YOKES.

Specification forming part of Letters Patent No. **183,846**, dated October 31, 1876; application filed August 14, 1876.

To all whom it may concern:

Be it known that I, FRANK HANNIG, of Lockhart, in the county of Caldwell and State of Texas, have invented a new and useful Improvement in Neck-Yokes, of which the following is a specification:

Figure 1 is a front view of my improved neck-yoke. Fig. 2 is a cross-section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to an improvement in the class of neck-yokes having a swivel-joint connection with a carriage or wagon pole; and it consists in providing the neck-yoke with a central enlargement or boss, and connecting the tube which slips on the end of the carriage-pole with the yoke by means of rings having perforated ears to receive the ends of a pivoted bar, to which the pole ring or tube is swiveled, as hereinafter described.

A is the ring that receives the end of the tongue, and which is made in the form of a short tube. The tube A is provided with a short stem upon one side, which is swiveled to a short cross-bar, B. The ends of the bar B are pivoted to the lugs of the two rings C, which are slipped upon the neck-yoke D from

its opposite ends, and are kept in place by resting against the shoulders of an enlargement, *d'*, formed upon the middle part of the said neck-yoke D. The middle part of the enlargement *d'* is grooved or concaved to give space for the head of the swivel of the tube A.

By providing the neck-yoke with the enlargement *d'* I strengthen it at the point where others are in general weakest, owing to screw-bolts or staples being inserted through them.

In case, however, the neck-yoke becomes broken by any accident, the breast or collar straps may be attached to the rings C until a new neck-yoke can be procured.

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

In combination with the neck-yoke, having the central enlargement *d'*, the rings C C, having perforated ears, the pivoted bar B, and swiveled pole-tube A, all as shown and described.

FRANK HANNIG.

Witnesses:

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