J. C. Gilbert.

Neck Yoke.

No. 23,673. Patented Apr. 19, 1859.

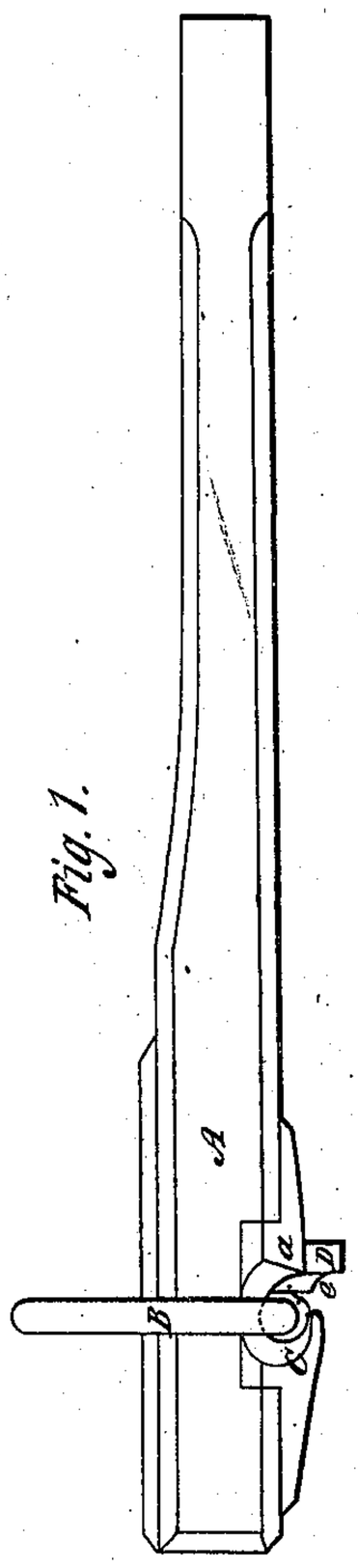

Fig. 1.

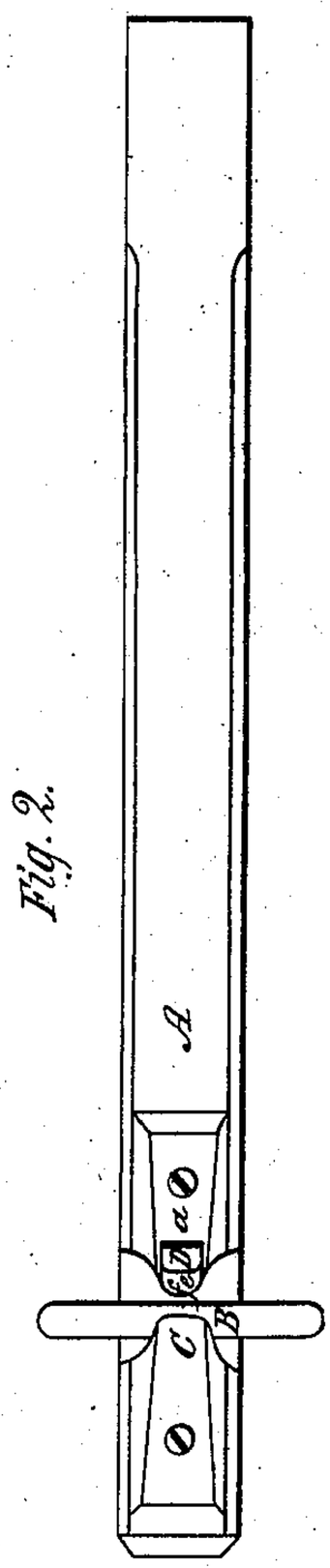

Fig. 2.

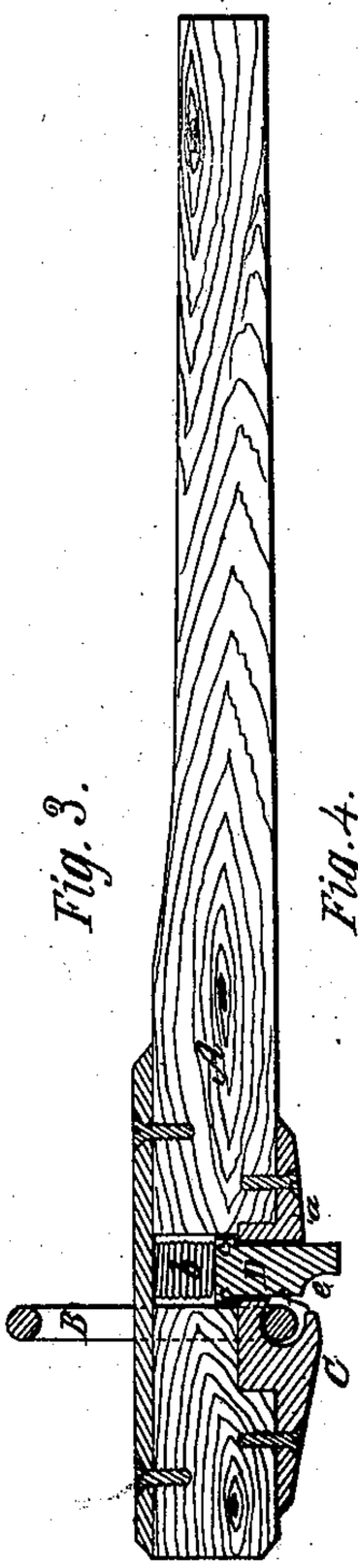

Fig. 3.

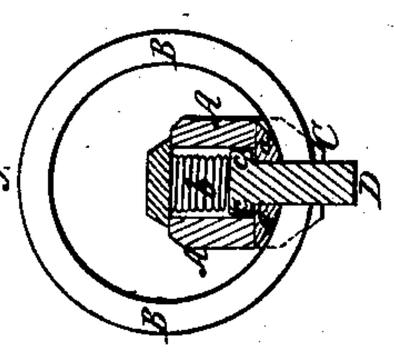

Fig. 4.

Witnesses
F. P. Hall Jr.
Arthur Hill

Inventor:
James C. Gilbert

# UNITED STATES PATENT OFFICE.

JAMES C. GILBERT, OF LEEDS JUNCTION, MAINE.

## YOKE-RING ATTACHMENT FOR THE POLES OF OX-CARTS.

Specification of Letters Patent No. 23,673, dated April 19, 1859.

*To all whom it may concern:*

Be it known that I, JAMES C. GILBERT, of Leeds Junction, in the county of Androscoggin and State of Maine, have invented an Improved Yoke-Ring Attachment for the Poles of Ox-Carts; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1, is a side elevation of the tongue or pole of an ox-cart having my invention applied to it; Fig. 2, an underside view of the same; Fig. 3, a longitudinal section of it, and Fig. 4, a transverse section taken through its spring slider.

The object of my invention is to enable a person readily to attach to, or detach from, an ox-cart pole the ring of a yoke; the nature of the said invention consisting in the peculiar arrangement of a backing bearer and an engaging notch of a spring slider with respect to and so to operate as hereinafter explained with a draft hook applied to the underside of such pole or tongue.

In the figures, A, exhibits the pole, and B, the yoke ring; C, is a metallic hook fastened to the underside of the pole and formed in manner substantially as shown in such drawings. Just in rear of the said hook is a spring slider D, which is applied to the tail part *a*, of the hook and against a spring *b*, (arranged as shown in Figs. 3, and 4,) so as to be capable of sliding up and down in the pole and part *a*, the said slider being formed with one or more projections *c*, *c*, to prevent it from falling out of place within its socket of the said tail part. The slider has a curved notch *e*, constructed in it as shown in the drawings, the same being arranged immediately below and in rear of the front part *f*, of the slider. Such part *f*, may be termed the "backing bearer," as it is against such part that the ring is borne during the process of backing the cart. This backing bearer when the ring is within the recess of the hook should extend into the said recess so far that the distance of its lower end from the point of the hook, shall be less than the thickness of the ring, the same being in order that it may coöperate with the hook in maintaining the ring within the cavity or recess of the hook. Furthermore, the backing bearer or the slider of which it forms a part should be capable of being moved upward far enough to enable the ring to be detached from the hook.

In the process of attaching the ring to the pole the latter is to be extended into it until the lower part of the ring may come into the engaging notch *e*, when by pressing the pole downward on the ring, or by drawing the ring upward, the engaging notch will be made to coöperate with the point of the hook so as not only to cause the slider to rise upward, but force the ring into the recess of the hook, which having taken place, the slider will be immediately driven downward by its spring so as to move the backing bearing *f*, into a position for holding the ring in place and serving as a shoulder for it to bear against while the cart is being backed by the animals which may be yoked to the ring.

Having thus described my invention, what I claim is—

The above described arrangement of the backing bearer *f*, and the engaging notch *e*, of the spring slider D, with respect to, and to operate with, the draft hook C, substantially in manner as hereinbefore specified.

JAMES C. GILBERT.

Witnesses:
R. H. EDDY,
F. P. HALE, Jr.