J. BOYER.

HORSE-YOKE.

No. 170,514. Patented Nov. 30, 1875.

Fig. 1.

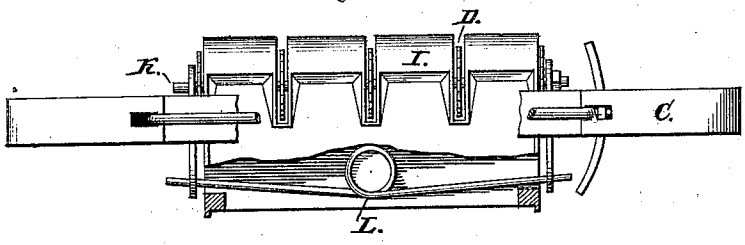
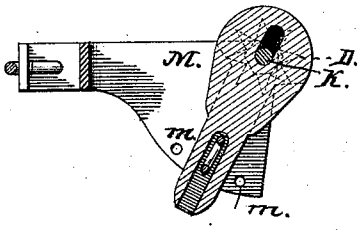


Fig. 2.



Witnesses:

La Fayette Bingham

Geo. H. Graham.

Inventor

Jacob Boyer

By Daniel Breed

Atty

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JACOB BOYER, OF RURAL VALLEY, PENNSYLVANIA.

IMPROVEMENT IN HORSE-YOKES.

Specification forming part of Letters Patent No. **170,514**, dated November 30, 1875; application filed April 29, 1875.

To all whom it may concern:

Be it known that I, JACOB BOYER, of Rural Valley, in the county of Armstrong and State of Pennsylvania, have invented an Improvement in Horse-Yokes, of which the following is a specification:

My invention consists in a novel construction and arrangement of barbs to be attached to a common horse-yoke, the details of which will be fully understood by the following description.

In the accompanying drawings, Figure 1 is a top view of my improved attachment to horse-yokes. Fig. 2 is a cross-section of the same.

In order to attach my arrangement of barbs to the common horse-yoke, I employ a clasp, C, with a locking-wire, G, and key H. The barbs D are made star-shaped, as seen in Fig. 2, and inserted into a guard, I, which has two slots, into one of which the rod K is inserted, holding in place the star-shaped barbs D, and in the other slot is wire spring L, which gently presses the guard I forward so as to keep the points of the barbs D concealed and prevent them from pricking the horse, except when he attempts to push against the fence, in which case the barbs immediately prick his breast. The arms M have several holes, *m*, for adjusting the spring L, and thus also adjusting the guard I, so that it will slide or operate properly according to the position of the yoke and barbs, as differently fitted upon different horses.

Having described my invention, I claim—

The above-described horse-yoke, provided with the bow C, star-shaped barbs D, the guard I, and spring L, all arranged substantially in the manner and for the purposes set forth.

JACOB BOYER.

Witnesses:

JAMES MCFARLAND,

ANDREW J. MCGAUGHEY.