C. T. GRILLEY.
Terrets.

No. 218,623. Patented Aug. 19, 1879.

Fig:1.

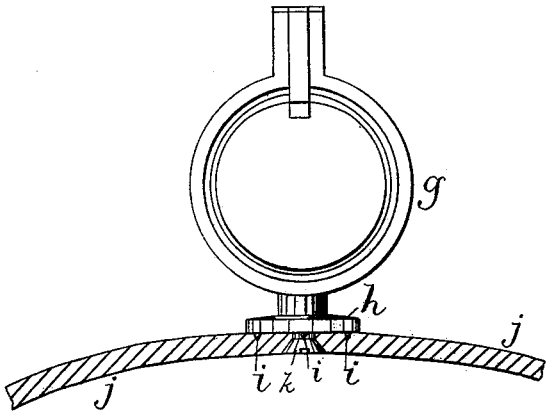


Fig:2.

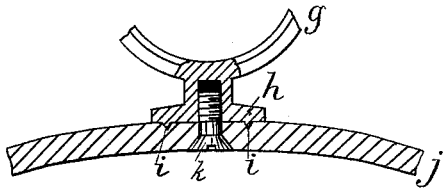
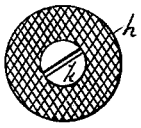


Fig:3

Fig:5.



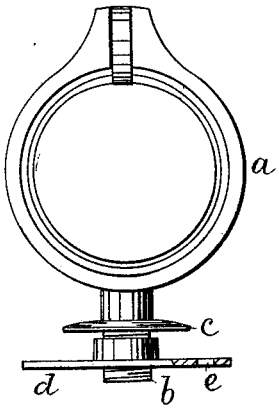
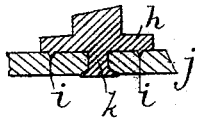


Fig.4



Witnesses.
N. E. Whitney.
A. Hunemadel

Inventor.
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by Crosby & Gregory Attys

UNITED STATES PATENT OFFICE.

CHARLES T. GRILLEY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN TERRETS.

Specification forming part of Letters Patent No. **218,623**, dated August 19, 1879; application filed July 10, 1879.

To all whom it may concern:

Be it known that I, CHAS. T. GRILLEY, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Terrets, of which the following description, in connection with the accompanying drawings, is a specification.

This invention relates to improvements in terrets, and has reference to means for securing the same to the harness.

In this my invention the base of the terret is provided with prongs or studs to enter the leather, they preventing axial motion of the terret, and the terret is positively confined to the head or other strap by means of a seating device, which may be either a headed screw screwed through the head or other strap and inserted into a screw-threaded hole in the base of the terret, or a stud made integral with the base and headed below the head or other strap.

Figure 1 represents, in side elevation, one form of terret attached to a strap in accordance with my invention; Fig. 2, a partial section of part of a terret and head-strap; Fig. 3, a common terret and its attaching-nut; and Figs. 4 and 5, modifications of my invention.

The ordinary terret *a* (see Fig. 3) has a screw-threaded foot, *b*, below the flange *c*, and is secured in position by turning the said screw into a nut, *d*, which is secured between a double part of the head or other strap or crown-piece, it being necessary and customary to always conceal the nut in the head-strap, and secure it to the head-strap by stitching it thereto through holes at the end of the nut, as at *e*.

The screw-threaded foot *b* is usually made quite short, and the screw has but few turns, and the terret easily becomes detached from the nut as the harness is worn; and there is in this common terret no provision, except the friction between the screw and nut, to prevent the terret from turning axially.

To make the screw-thread and nut bind with sufficient force after they become somewhat worn, it is customary to insert washers of leather or other substance between the flange *c* and the top of the usual head-strap.

In my invention the terret *g* has a foot, *h*, provided with two or more prongs, *i*, at its lower side, adapted to enter the head or other strap *j*, as shown in Figs. 1 and 2, said prongs inserted in the strap preventing axial or turning movement of the terret or its foot upon the surface of the strap.

To seat the foot of the terret upon the strap, I employ a seating device, *k*, (shown in Figs. 1 and 2 as a screw,) the head of which is embedded in the strap at its lower side, while the small end of the said screw enters a tappet-hole in the foot of the terret, as in Fig. 2.

Instead of the screw for the seating device I may employ a stud, (see Fig. 4,) attached to the base *h*, the lower end of the said stud being riveted or headed, so as to embed its end in the strap at its lower side and keep the prongs pressed into the top of the strap.

The screw is preferable, as it permits adjustment of the terret upon the strap, and is less liable to wear the horse's skin.

The terret held in position by the centrally-located seating device *k* makes the strap *j* less rigid at that point where the terret meets the strap than when the long nut *d* is employed.

A terret constructed in accordance with my invention may be made at less cost, material being equal; and besides being more securely held, may be more readily, cheaply, and quickly applied to a strap than in the old way.

In this form of terret shown in Fig. 3, wherein the nut is secured between parts of the crown-piece, it is quite difficult at times to screw the terret down tight, and yet keep the front and rear sides of the terret parallel with the edges of the said strap, and this can be corrected only by means of washers. This difficulty never arises with my terret, as it can be placed upon the strap in the desired position, and be screwed to the same without possibility of axial movement.

Instead of small prongs, as shown in Figs. 1 and 2, I may serrate or roughen the base, as in Fig. 5, or otherwise provide it with holding-projections to engage the strap.

I claim—

1. As an improved article of manufacture, a terret provided with a base and prongs or projections, substantially as described, to enter a

strap and prevent the terret from turning axially.

2. A terret having a base provided with prongs or projections, combined with a seating device, *k*, to connect the center of the base with a strap, the head of the seating device being adapted to rest below the strap, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES T. GRILLEY.

Witnesses:
G. W. GREGORY,
N. E. WHITNEY.