

J. D. HOBBS.
Trace-Carrier.

No. 220,837.

Patented Oct. 21, 1879.

Fig. 1.

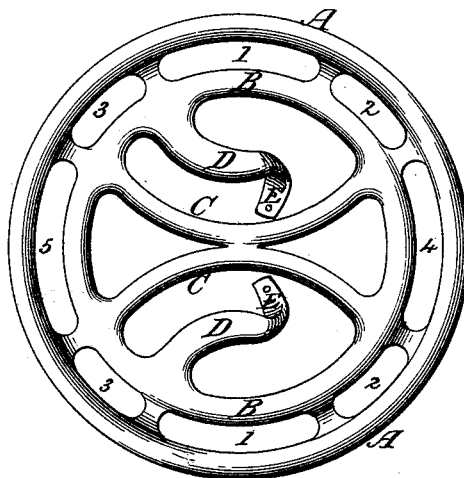
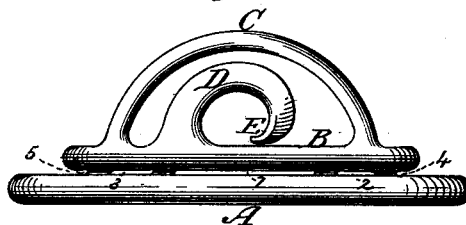


Fig. 2



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JOSEPH D. HOBBS, OF BURLINGTON, IOWA.

IMPROVEMENT IN TRACE-CARRIERS.

Specification forming part of Letters Patent No. **220,837**, dated October 21, 1879; application filed June 12, 1879.

To all whom it may concern:

Be it known that I, JOSEPH D. HOBBS, of Burlington, Des Moines county, Iowa, have invented a new and useful Improvement in Trace-Carriers, of which the following is a specification.

The object of my invention is to furnish a cheap, durable, and convenient trace-carrier, one that the eye of the trace cannot be removed from unless placed in a certain position, and one that the lines or other objects will not catch in.

The invention consists of a metal trace-carrier with two rings, A B.

Referring to the drawings, Figure 1 is a plan view, and Fig. 2 a side elevation of my trace-carrier.

The larger ring A is about three inches in diameter. The ring B, being somewhat smaller than the base-ring A, is held within and over the base-ring A by eight short curved bars, between which are eight strap-holes. Joined to this inner ring, B, is a double arch, C C, about one and one-half inch in height. These arches C C are separated at the base about one inch, where they are joined to the ring B, and these arches C C are united at the top or center.

Joined to the ring B, and on the outside and near the rear base of the arches C C, are two curved bars, D D, which run parallel with the arches C C nearly to the center, when they make a double curve, terminating in hooks E E, with the ends pointing inward toward the center of the rings A B, nearly on a level with the top of the ring B, leaving sufficient space between the pad of the harness and the hooks E E to insert the eye of the trace.

The two large openings 1 1, on opposite sides of the carrier, are for the hip-straps. The adjoining ones, on each side toward the front, 2 2, are for halter-strap attachment. The corresponding two, 3 3, to the rear of the large ones, 1 1, are for fly-net attachment. The large one, 4, in front, is for the back-strap. The one immediately in the rear, 5, is for the crupper-strap.

The trace-carrier here described is used as follows: The hip-straps are placed in the large openings 1 1, on opposite sides of the carrier; the back-strap in the large opening 4; the crupper-strap in the opening 5, and the halter-strap attachment is placed in the openings 2 2 on either side, as it may be on either right or left harness.

The fly-net attachments are put in or fastened to 3 3. The eye of the trace is then hooked over the hook E by dropping it in between the arch C and the point E and drawing it down onto the bar D. Or the eye may be hooked by turning the trace over and putting the eye between the ring B and the point E, then turning the trace back to its straight position. This brings the eye solidly over the bar D. In this position, the peculiar curve of the bars D D and the hooks E E renders it impossible to shake the eye from its place. The forward bend of the bars D D prevents the eye from coming out when the trace is resting straight. The bend in the points E E prevents the eye from coming out when the trace turns over.

The upper ring, B, keeps the eye of the trace from working on the straps, preventing them from wearing off, which is one great improvement over the old trace-carriers now in use.

The arches C C protect the hooks E E from catching the lines or tail of the animal. This is also an improvement over former trace-carriers.

When the harness is hung up the eye of the trace rests directly upon the base of the bars D D, so that it cannot in any way become unfastened, on account of the peculiar curve of the hooks E E.

The eight bars connecting the two rings A B keep the several straps in their proper positions, and keep each strap separated from the other, so that each one has a separate opening to itself.

I am aware that a trace-carrier having a ring for connection with the parts of the harness, and guarded hooks for the eyes of the traces, is not new, the same having been shown

in patent granted to Stephen Stout, May 19, 1868, No. 78,154; but

What I claim, and desire to secure by Letters Patent, is—

An improvement in trace-carriers, consisting of the outer ring, A, the inner and raised ring, B, with openings, as described, for the insertion of the various straps of the harness,

and provided with the guard-arches C C and bars D D, said bars terminating in the curved ends E E, arranged in relation to the arches C C, all as and for the purpose set forth.

JOSEPH D. HOBBS.

Witnesses:

A. W. COLVER,
FRANK FULLER.