No. 643,123. Patented Feb. 13, 1900.

H. L. & C. M. GREEN.

HALTER.

(Application filed July 10, 1899.)

(No Model.)

Fig. 1.

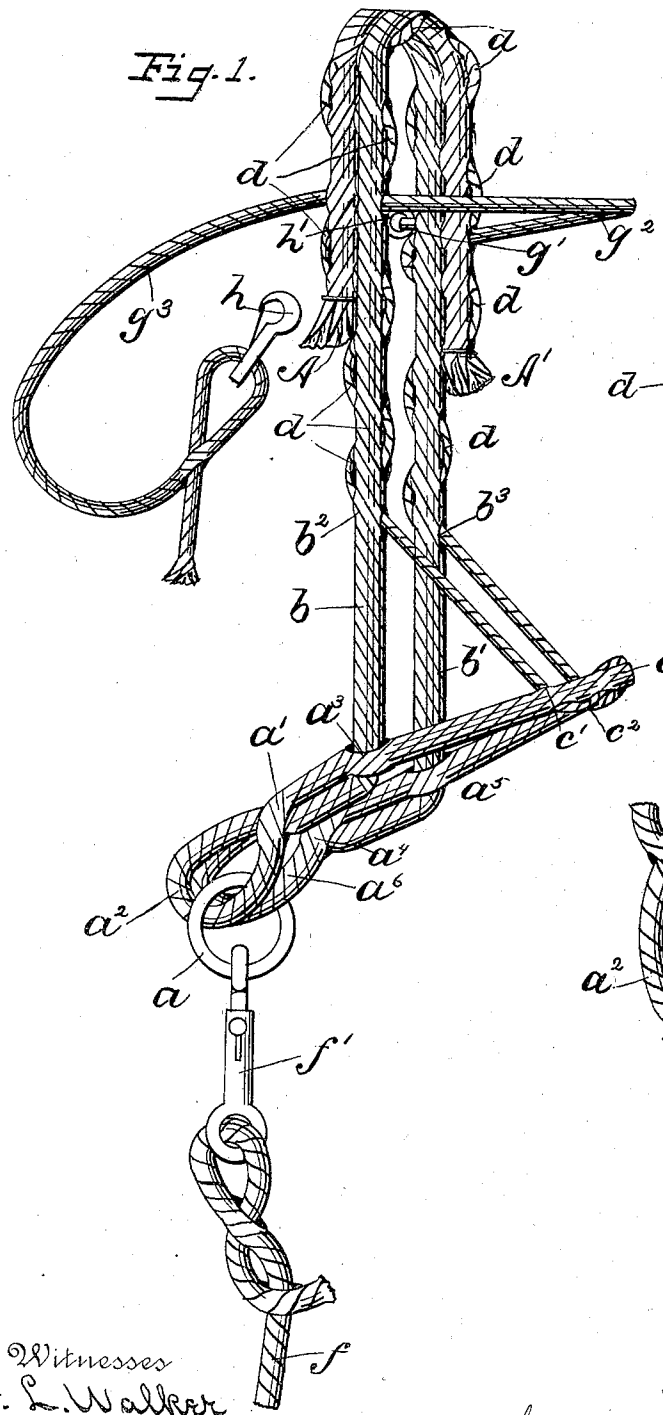


Fig. 2.

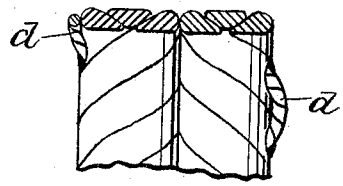
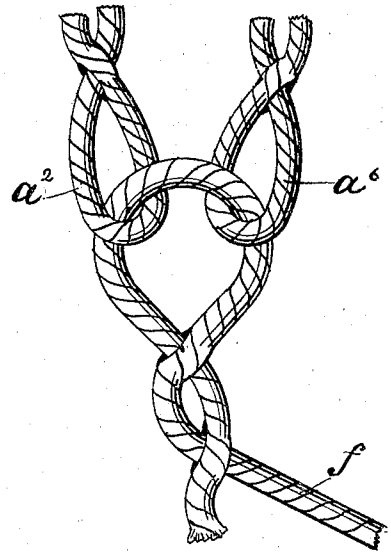


Fig. 3.



Witnesses
F. L. Walker
Earl D. Welch

Inventors
Henry L. Green
Casmir M. Green
By their Attorney
Chas. H. Stebbins

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY L. GREEN AND CASSIUS M. GREEN, OF URBANA, OHIO.

HALTER.

SPECIFICATION forming part of Letters Patent No. 643,123, dated February 13, 1900.

Application filed July 10, 1899. Serial No. 723,259. (No model.)

To all whom it may concern:

Be it known that we, HENRY L. GREEN and CASSIUS M. GREEN, citizens of the United States, residing at Urbana, in the county of Champaign and State of Ohio, have invented certain new and useful Improvements in Halters, of which the following is a specification.

Our invention relates to improvements in halters, particularly to that class of halters made from rope.

Our invention consists in the constructions and combinations of parts hereinafter described, and set forth in the claims.

In the accompanying drawings, Figure 1 is a perspective view of our improved halter. Fig. 2 is a sectional view of the head-band, showing the manner of attaching the parts together and also the flattened shape in cross-section. Fig. 3 is a perspective view of a modification.

Like parts are represented by similar letters of reference in the several views.

In constructing a rope halter it is desirable that as few pieces as possible be used. It is also desirable that the parts be arranged so that there will be no slipping, and particularly of those parts which are likely by their slipping to exert pressure on the head or neck of the animal. It is also desirable that the parts which contact with the greatest pressure should be formed to compensate therefor.

In carrying out our invention we form the principal parts of the halter of a single piece of rope in the following manner, and for convenience we have designated the ends of the rope A and A′: Beginning midway between the ends A and A′ points at equal distances from the center are selected and the end A of the rope is doubled back on itself, so as to form a loop a^2, the end A being passed through the strands of the rope at a' and again at a^3, and from thence it is carried upward, forming the cheek-piece b. The end A′ of the rope is manipulated in the same manner, being threaded through the strands at a^4 and a^5, so as to form a loop a^6, leaving sufficient length between the points a' and a^4 to form a nose-band c. The end A′ is then extended upwardly to form the cheek-piece b'. The end portions are now placed side by side, and sufficient length thereof is left so as to form the head-band between the cheek-pieces b and b', which head-band will be of a double section. The main portion of the halter being thus formed, a second rope d of smaller diameter is passed through the double-sectioned head-piece at the point g' and is threaded back and forth through this head-piece, securing the parts thereof firmly together. This rope d is then woven through the cheek-piece b to the point b^2, from thence is extended to the point c' on the nose-band c, and then back and forth through the nose-band to the point c^2 thereon. From there it extends to the point b^3 on the cheek-piece b' and is woven through the cheek-piece back to the point g' in the head-band. At this point it is passed through the head-band and then again through the head-band just above the cheek-piece b, leaving a sufficient amount of rope on the front side of the head-band to form a brow-band g^2, the remaining portion of the rope being left to form a throat-latch g^3, which may be provided with a snap h, adapted to engage in a loop or ring h' at the opposite end of the rope d. The halter being thus completed, the upper portion thereof forming the head-band and cheek-pieces, is by suitable pressure, either by passing through rollers or otherwise, flattened so as to form a flat cross-section, as shown in Fig. 2, thus bringing a broad surface to bear on the head of the animal, thus increasing the surface where the greatest pressure comes in use.

If it is desired to form a detachable hitch, a ring a is woven in the loops a^2 and a^6 in the formation of the halter, in which case a hitch-rope f, having a detachable catch f', is employed. If a non-detachable hook is to be used, the loops a^2 and a^6 will be connected by a hitch-rope f, the ends of which are passed through the respective loops and thence threaded back in the main body of the rope in a well-known manner to form a connecting-loop.

A halter thus constructed has the advantage of being formed of but few parts and all the connections are so made that there is absolutely no slippage to the essential parts. The ends of the main rope being connected together by a rope of small diameter, which is threaded laterally through the same and the parts flattened, brings a broad sustaining-surface at this point of the halter. By hav-

ing the main rope formed into loops which are practically an extension of the nose-band, and non-slipping and independent loops which are connected together by the hitch, a halter is formed which permits freedom of action and at the same time without any danger of the parts slipping or running up on the nose of the animal on which it is used.

Having thus described our invention, we claim—

1. A halter, such as described, in which the head and nose bands are formed from a single piece of rope by threading the respective ends of the rope through the main body thereof a short distance from the center thereof so as to form retaining-loops, the respective ends being lapped and fastened together laterally to form a head-band of double section, the loops being connected together to form a hitch, substantially as described.

2. In a halter in which the main body is formed of a single piece of rope, the ends of which are doubled back upon the main portion a short distance from the center thereof so as to form hitch-loops, the said ends being lapped and fastened together laterally to form a head-band and cheek-pieces, the head-band being flattened, substantially as specified.

3. A halter, the main body of which is formed of a single piece of rope which is bent back upon itself at points slightly removed from the center, the ends being threaded through to form hitch-loops and lapped past each other and threaded laterally together to form a head-band of double section, the central portion of the rope being adapted to form a nose-band which is further supported by braces formed by a rope of smaller section which also is threaded back and forth through the head-band to connect the said rope ends together, substantially as specified.

4. In a halter, a main body formed from a single piece of rope, the ends of which rope are doubled back upon itself and threaded through the main body of the rope on each side of the center thereof, the ends being extended upwardly so as to form cheek-pieces substantially midway between the central portion of the rope which forms the nose-band and the hitch-loops as described, the ends of the rope being overlapped and joined together laterally by a connecting-rope threaded through said ends, cheek-pieces and nose-band so as to form braces for the nose-band as well as connections for the head-pieces, substantially as specified.

5. The combination with the halter having a flattened head-band formed from the overlapped ends of the main body, as described, which overlapped ends are fastened together by a rope threaded laterally through the same into a nose-band to form supports therefor, in connection with a brow-band and throat-latch also formed from said rope and threaded laterally through the double-sectioned flattened head-piece, substantially as specified.

6. In a halter, a main body consisting of a nose-band, cheek-pieces and double-sectioned head-piece formed from a single piece of rope, as described, and having the hitch-loops on the opposite sides of the cheek-pieces from said nose-band, a ring in said hitch-loops, and a detachable hitch connection for said ring, substantially as specified.

In testimony whereof we have hereunto set our hands this 27th day of June, A. D. 1899.

HENRY L. GREEN.
CASSIUS M. GREEN.

Witnesses:
CHAS. I. WELCH,
EARL G. WELCH.