(No Model.)

J. STEINER.

SUNSHADE FOR HORSES.

No. 456,168. Patented July 21, 1891.

Fig. 1.

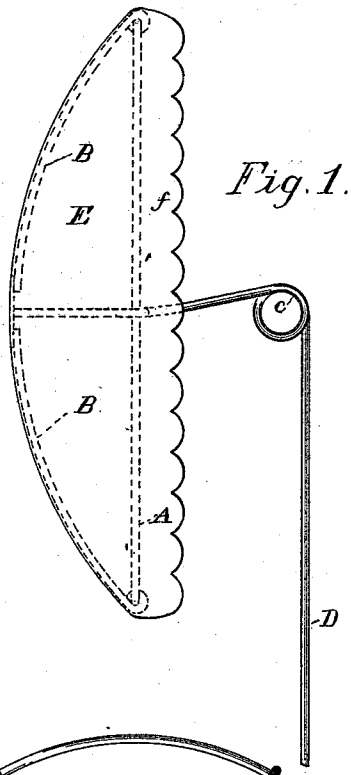
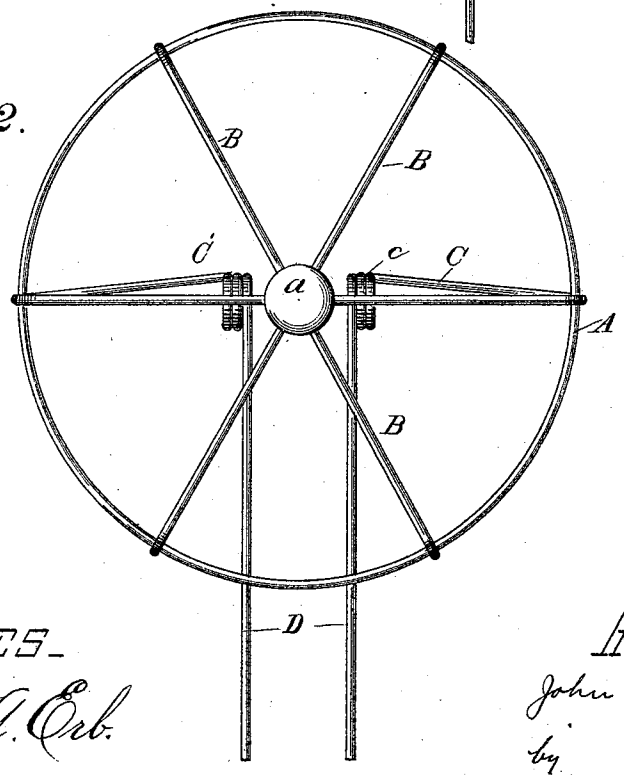


Fig. 2.



WITNESSES.

Arthur A. Erb.

J. E. Ostell.

INVENTOR.

John Steiner

by Frank L. Dyer

Attorney

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

UNITED STATES PATENT OFFICE.

JOHN STEINER, OF EAST DUBUQUE, ILLINOIS.

SUNSHADE FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 456,168, dated July 21, 1891.

Application filed September 15, 1890. Serial No. 365,006. (No model.)

To all whom it may concern:

Be it known that I, JOHN STEINER, a citizen of the United States, residing at East Dubuque, in the county of Jo Daviess and State of Illinois, have invented a certain new and useful Improvement in Bonnets or Sunshades for Horses; and I do hereby declare the following to be a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to various new and useful improvements in bonnets or sunshades for horses.

The object of my invention is to provide and produce a very simple and inexpensive device for protecting the heads of horses from the sun's rays.

Another object of my invention is to provide means, to be more fully described hereinafter, by which the shade can be kept rigidly in any position relative to the horse's head and in any position he may carry his head.

In order to better understand my invention, reference is directed to the accompanying drawings, in which—

Figure 1 is a side elevation of the complete device; Fig. 2, a top view of the device with the cover removed.

In all of the several views corresponding parts are designated by identical letters of reference.

My device is of the same general construction of the shades in general use, but differs therefrom in several important parts and in the adjusting device before referred to.

The frame or body of my device consists of a ring or hoop A, made, preferably, of brass or copper wire. This ring may be either of a circular or elliptical shape, as desired, or it may be rectangular, with the corners rounded off or square. Soldered or otherwise secured to the disk *a* are a number of metallic radiating arms or braces B B, which are rigidly secured at their outer extremities to the hoop A. These radiating arms B B rise in a slight curve, in order to give the cover a slight crown, giving room for eyes.

Rigidly attached to the hoop A are the two arms or standards C C′ on each side. These standards are bent or curved inwardly for a short distance and are then curved downwardly for about the same distance. At this point the wire composing the standards is bent several times around on itself, having the general appearance of a spring *c*, but with considerable elasticity. From this point the standards project backwardly some distance. It will be readily seen that the standards can be bent at the spring portion *c* in any direction to keep the shade directly over the horse's head, and taking the jar off of the head, the wire retaining any form given to it.

The cover or shade E is composed of any suitable material—such as cloth, paper, or sheet metal—and is formed with a slight crown by the curved braces B B. A fringe *f* may be attached to the outside of the cover, and will serve as a further protection and to improve the appearance of the device.

In use the arms D are thrust through the brow-bands and loops on the bridle, the springs *c c* being bent in any suitable position to adjust the shade directly over the horse's head; but it should be understood that the device may be attached in any other way to the horse's head.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

As an improved article of manufacture, an improved sun-bonnet for horses, consisting of a shade portion E, mounted upon the circular hoop A, a disk *a* within said hoop, radiating arms or braces B B, standards C C′, secured to the hoop A, spiral springs *c c*, formed integral with said standards, and arms D D for securing the device in position.

JOHN STEINER.

Witnesses:
MONROE M. CADY,
HENRY SCHUMACHER.