

F. SCHWALM.  
Blind-Bridles.

No. 157,352.

Patented Dec. 1, 1874.

FIG. I.

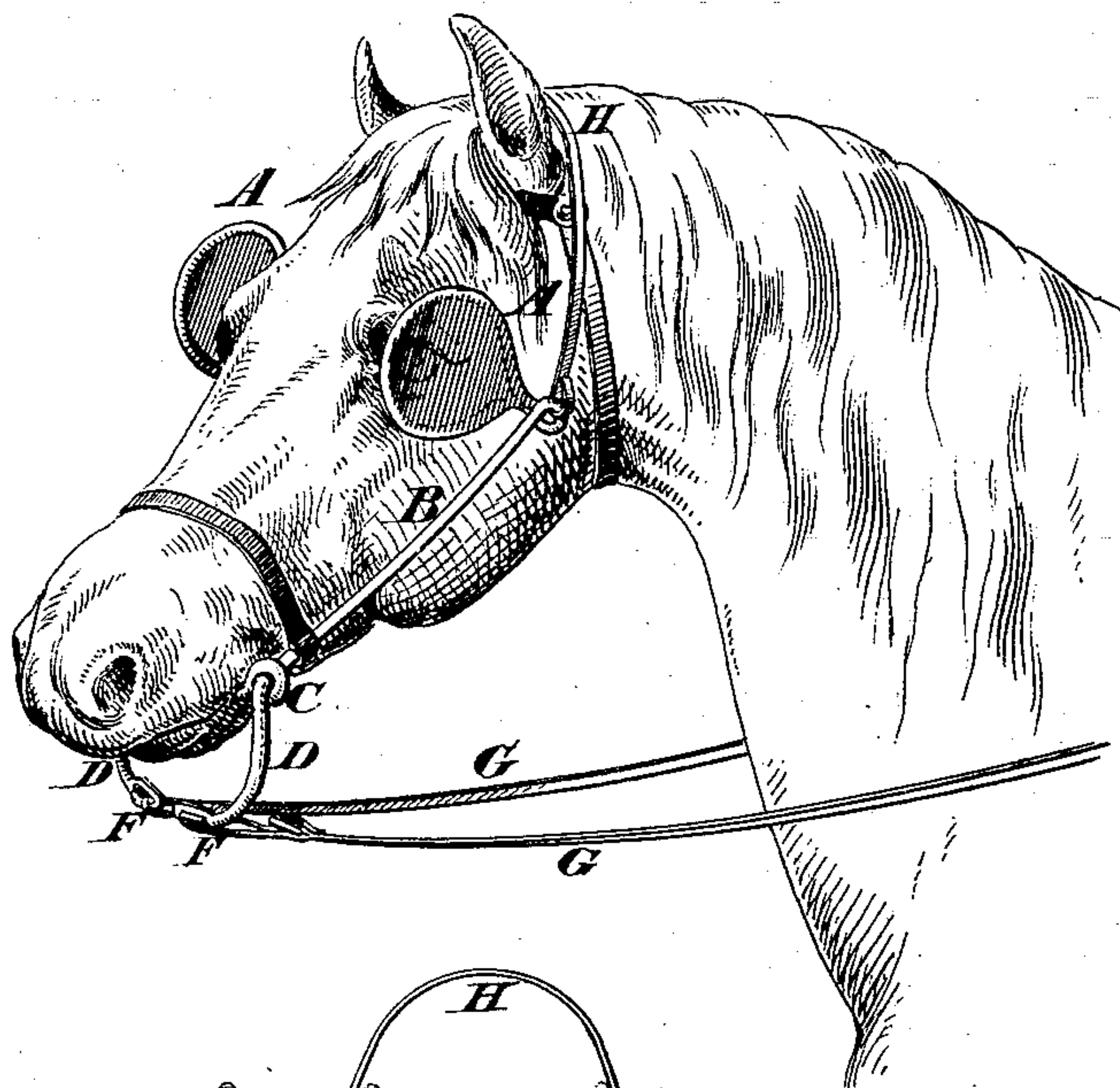
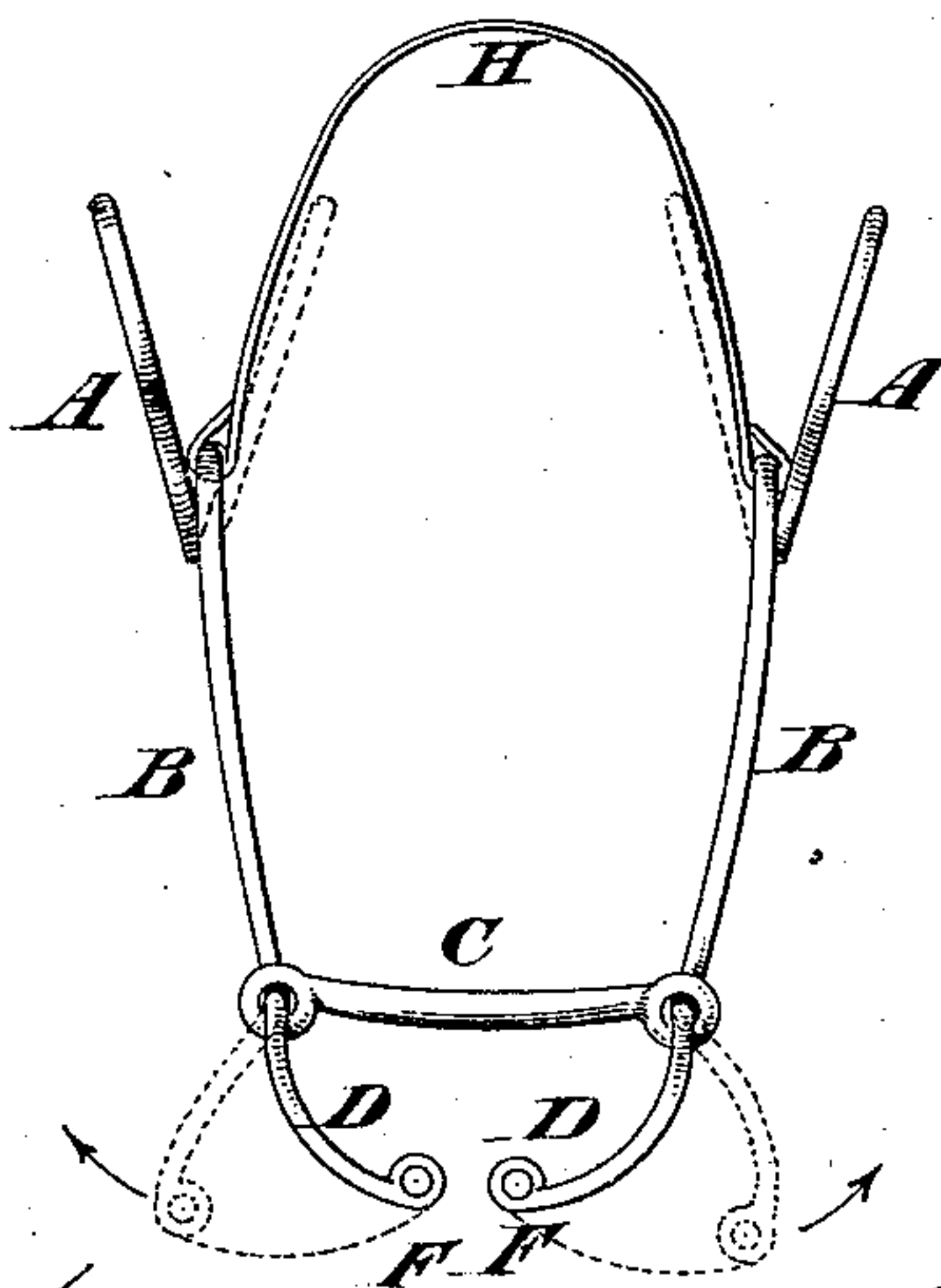


FIG. II.



WITNESSES:  
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*A. J. Terry*

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BY *Mumme*  
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# UNITED STATES PATENT OFFICE.

FRANCIS SCHWALM, OF CLARKSVILLE, CALIFORNIA.

## IMPROVEMENT IN BLIND-BRIDLES.

Specification forming part of Letters Patent No. **157,352**, dated December 1, 1874; application filed November 14, 1874.

*To all whom it may concern:*

Be it known that I, FRANCIS SCHWALM, of Clarksville, in the county of El Dorado and State of California, have invented a new and useful Improvement in Blind-Bridles, of which the following is a specification:

The object of this invention is to provide means for operating the blinds of the bridles of horses; and consists in forming the cheek-pieces of the bridle so that they operate as cranks on the blinds, which blinds are attached to their upper ends. It also consists in the construction and arrangement of the parts hereinafter described.

In the accompanying drawing, Figure 1 represents my improved bridle attached to the horse as when in use. Fig. 2 shows the bridle detached.

Similar letters of reference indicate corresponding parts.

A A are the blinds, which are made to cover the eyes of the horse. B B are the cheek-pieces with which the blinds are connected. C is the bit of the bridle, through the ends of which the cheek-pieces pass. The ends D D of the cheek-pieces have each an eye or ring, E, to which the lines or reins G are attached. Below the bit the cheek-pieces are bent, so that they act as cranks when the lines are drawn, which act throws the blind inward and over the horse's eyes. H is a strap, which goes over the neck behind the ears of the

horse. This strap is attached to the upper ends of the cheek-pieces, as seen in the drawing, and acts as a spring.

By means of this improvement the blinds may, at the will of the driver, be drawn tightly over, and so as to close, the horse's eyes, and held in that position until the danger is passed.

I do not confine myself to any particular manner of attaching the blinds to the cheek-pieces. The cheek-piece may be bent or coiled to form rings, which are afterward covered to form the blinds; or they may be made adjustable on the cheek-pieces, as may be desired; and the crank ends D D may be made separate, and so as to be adjustable on the cheek-pieces, if desired.

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

1. A blind-bridle constructed substantially as described—that is, having the cheek-pieces B B, blinds A A, and crank ends D D made substantially as shown and described.

2. The combination and arrangement of the neck-strap H, bit C, and lines G G with the rigid cheek-pieces B B, substantially for the purposes described.

FRANCIS SCHWALM.

Witnesses:

FRANCIS SAILLEY,  
JACQUES JOLY.