

(No Model.)

E. C. LELIE.  
BACK BAND HOOK FOR HARNESS.

No. 468,666.

Patented Feb. 9, 1892.

Fig 1

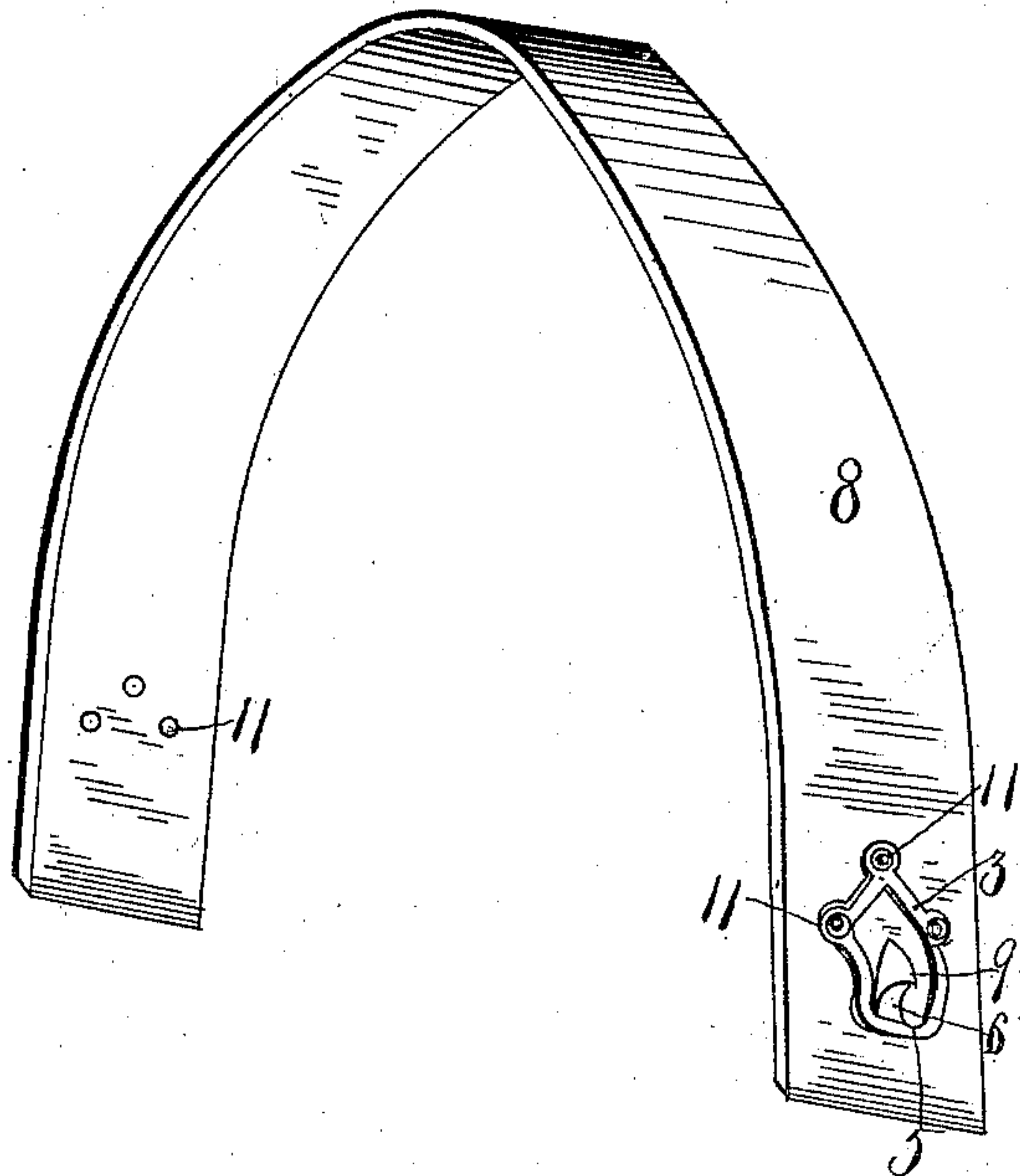


Fig 2

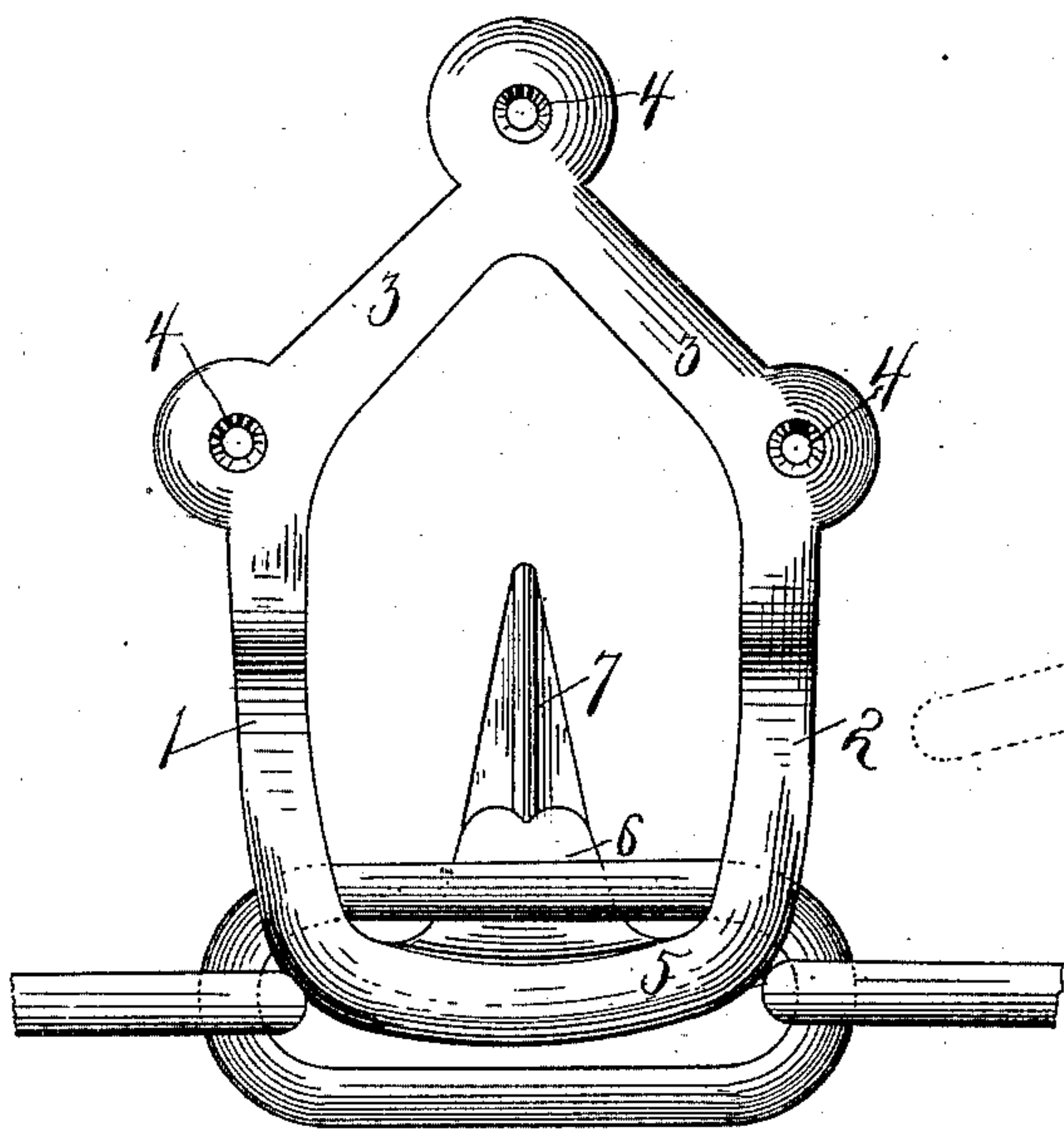
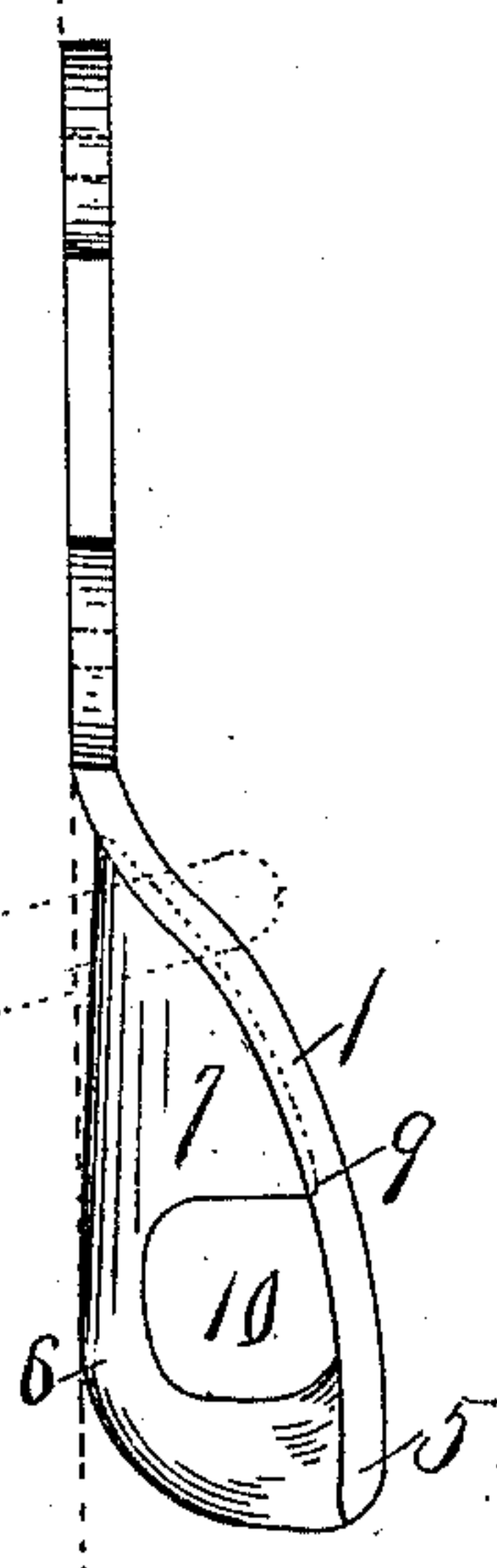


Fig 3



WITNESSES

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# UNITED STATES PATENT OFFICE.

EMILE C. LELIE, OF STE. GENEVIEVE, MISSOURI.

## BACK-BAND HOOK FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 468,666, dated February 9, 1892.

Application filed August 28, 1891. Serial No. 403,973. (No model.)

*To all whom it may concern:*

Be it known that I, EMILE C. LELIE, of Ste. Genevieve, Ste. Genevieve county, State of Missouri, have invented certain new and useful Improvements in Back-Band Hooks for Harness, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a new and improved back-band hook; and it consists in a novel combination and arrangements of parts hereinafter specified and claimed.

In the drawings, Figure 1 is a perspective view of a back-band having my invention applied thereto. Fig. 2 is a front elevation of the back-band hook, showing the same enlarged and with a portion of a trace-chain applied thereto. Fig. 3 is a side elevation of the hook.

My invention is particularly applicable to the commoner styles of harness, wherein a broad flat strap is used for a back-band and hooks are attached to the depending ends of said strap for the purpose of carrying the traces or trace-chains.

1 and 2 respectively indicate two protecting side bars, which are cast integral at their upper ends with an A-shaped base-plate 3, which latter is provided with a series of ears 4, perforated for the reception of rivets or other fastening devices and arranged relatively in a triangular position. At the point of juncture with the base-plate 3 the protecting-bars 1 and 2 are offset or bent outwardly at an angle to the plane in which the base-plate is located, so that their lower portions will project outwardly a considerable distance. (See Fig. 3.)

A horizontal bar 5 is cast integral with and connects the lower ends of the side bars 1 and 2, and cast integral with this horizontal bar and projecting from its inner side and curved upwardly is a supporting-post 6, which latter is provided at its upper end with a forwardly or outwardly projecting hook or head 7. It will be observed that the hook 7 is thus located in the space between the outwardly-projecting side bars 1 and 2 and a line drawn along the rear side of the base-plate and extending straight downwardly therefrom, whereby when the device is applied to a back-

band, such as 8, the hook 7 will occupy a position between the outer surface of said back-band and the outer surface of the protecting side bars 1 and 2. It will further be observed that the nose or point 9 of the hook 7 projects outwardly or forwardly to a position between the side bars 1 and 2.

The operation is as follows: One of the improved hooks being attached to the depending portions of the back-band 8, (see Fig. 1,) the links of the trace-chains (or a ring attached to a trace of any other form) may be caused to engage the hook 7 by turning the end of the link toward said hook, hooking said end over said hook 7, as indicated by dotted lines in Fig. 3, dropping said link downwardly until it rests upon the supporting-post 6, and then turning it thereon until its side bars (the side bars of the link) lie in a position substantially parallel with the horizontal bar 5, as shown in Fig. 2. The supporting-post 6, the hook 7, and nose 9, together with the protecting-bars 1 and 2, are located in such relative positions that a receptacle 10 is formed by them for the reception of the link or ring of the trace. This receptacle is of such form as to securely retain said link or ring in position therein, and the nose 9, which constitutes a stop, will at all times prevent accidental dislodgment of the link or ring, as it is evident said link or ring can only be dislodged from said receptacle by turning it to the same position it occupied while being placed in position in the receptacle 10, before mentioned. The trace or trace-chain will thus be permanently held in position.

The rivets 11, by means of which my improved hook is secured in position upon the back-band, are a considerable distance apart, (the device shown in Fig. 2 being about full size,) and for this reason this back-band hook is held very securely in position and cannot be easily pulled off. It lies perfectly flat on the back-band after the chain is hooked in place. It is very light and neat in appearance, yet very strong in its wearing parts.

On account of the above-described novel construction of parts the trace-chain when in use cannot become unhooked or entangled in the harness of the mate horse.

What I claim is—

The improved back-band hook comprising a base-plate, side bars 1 and 2, projecting outwardly and downwardly from the base-plate or offset therefrom, horizontal bar 5, connecting the lower ends of the bars 1 and 2, a supporting-post 6, projecting up from the bar 5 and provided at top with a hook 7, and a nose 9, projecting forwardly from the hook, form-

ing a stop for the links of the trace-chain, substantially as and for the purpose specified. ro  
In testimony whereof I affix my signature in presence of two witnesses.

EMILE C. LELIE.

Witnesses:

HENRY KLEIN,

ALBERT A. BOYER.