

(No Model.)

G. L. HYDORN.
TRACE HOLDER.

No. 408,239.

Patented Aug. 6, 1889.

Fig. 1.

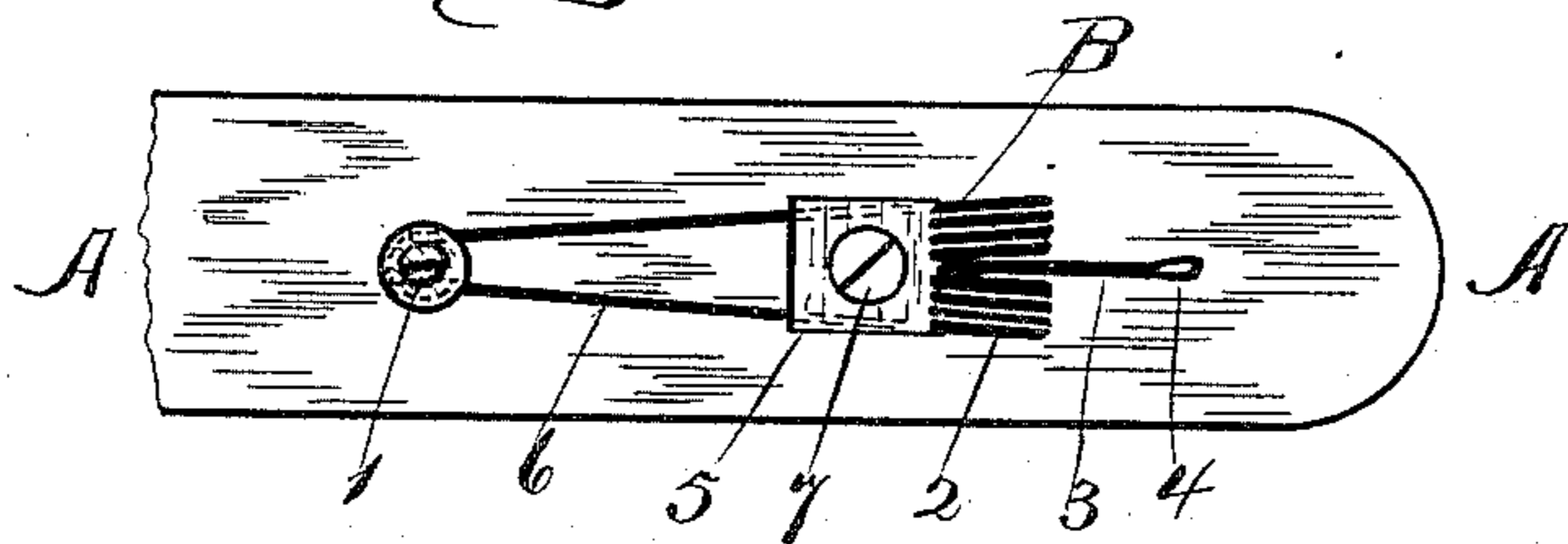
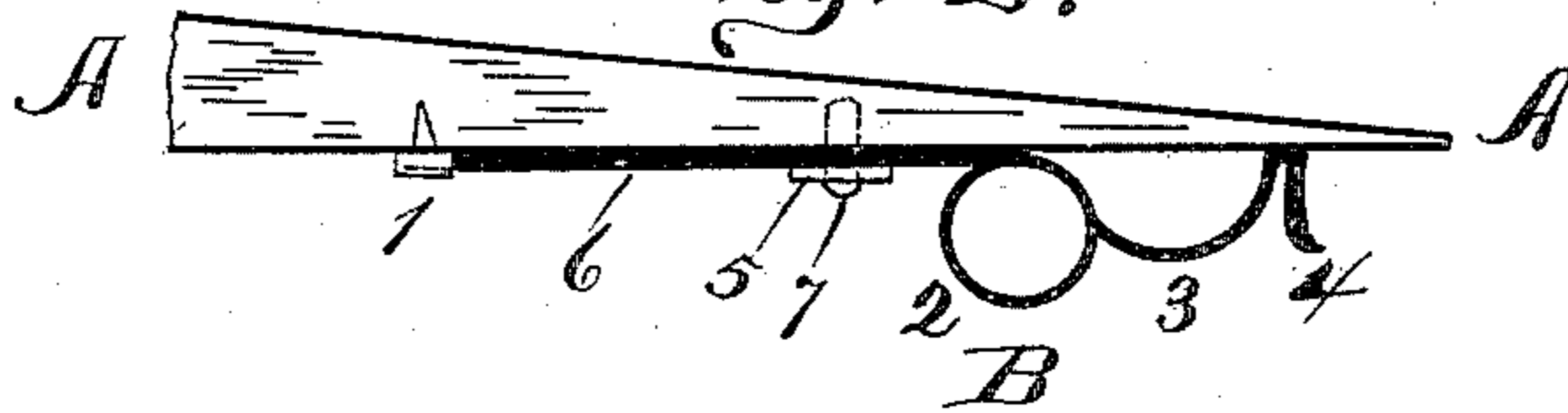


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE L. HYDORN, OF LACONA, NEW YORK.

TRACE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 408,239, dated August 6, 1889.

Application filed June 6, 1889. Serial No. 313,277. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. HYDORN, of Lacona, county of Oswego, in the State of New York, a citizen of the United States, have invented certain new and useful Improvements in Trace-Holders, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a top plan view. Fig. 2 is a side elevation.

My invention relates to the construction of trace-holders designed to hold the trace upon the end of a whiffletree securely yet detachably thereon, preventing all accidental unhooking of the trace, and affording an easy means for unhooking the same when desired.

The object of my invention is to hold the trace securely upon the whiffletrees.

My invention consists in the several novel features of construction and operation hereinafter described, and specifically set forth in the claims annexed. It is constructed as follows:

A represents the end of a whiffletree, and B is the trace-holder. This trace-holder consists of a piece of wire bent at its inner ends to form an eye, through which a retaining-screw 1 is passed, and from which the arms extend outward and somewhat diverging from each other, and are then coiled to form the double coil 2, beyond which the wires extend close together and arch outward, forming the arch 3, at the outer end of which the wires are bent outward, forming the handle 4. In

the drawings this is all shown as constructed from a single piece of wire; but I reserve to myself the benefit of all modifications of form or construction.

At 5 I show a washer fitting upon both of these arms 6 of the wire, which washer is held securely by the screw 7 through it into the whiffletree. By taking hold of the handle 4 and throwing it back the trace can be slipped on over the end of the whiffletree up substantially to the coil, and then releasing the handle the spring of the coil will throw the arch 3 over the trace, and the spring-tension remaining then in the coil will be sufficient to retain the trace in place and prevent it from slipping off the end of the whiffletree.

What I claim is—

1. A trace-holder consisting of a wire coiled, then bent to form an arch, and then bent to form a handle, and means for securing the same to the whiffletree, substantially as described.

2. A trace-holder consisting of a handle, an arch adjacent to the handle, a spring adjacent to the arch, and rearward arms, all constructed from a single piece of wire, and means for securing the arms to the whiffletree.

In witness whereof I have hereunto set my hand this 22d day of May, 1889.

G. L. HYDORN.

In presence of—

H. P. DENISON;
M. H. ALEXANDER.