

(No Model.)

J. E. PUMPHREY.

SNAP HOOK.

No. 291,226.

Patented Jan. 1, 1884.

Fig. 1.

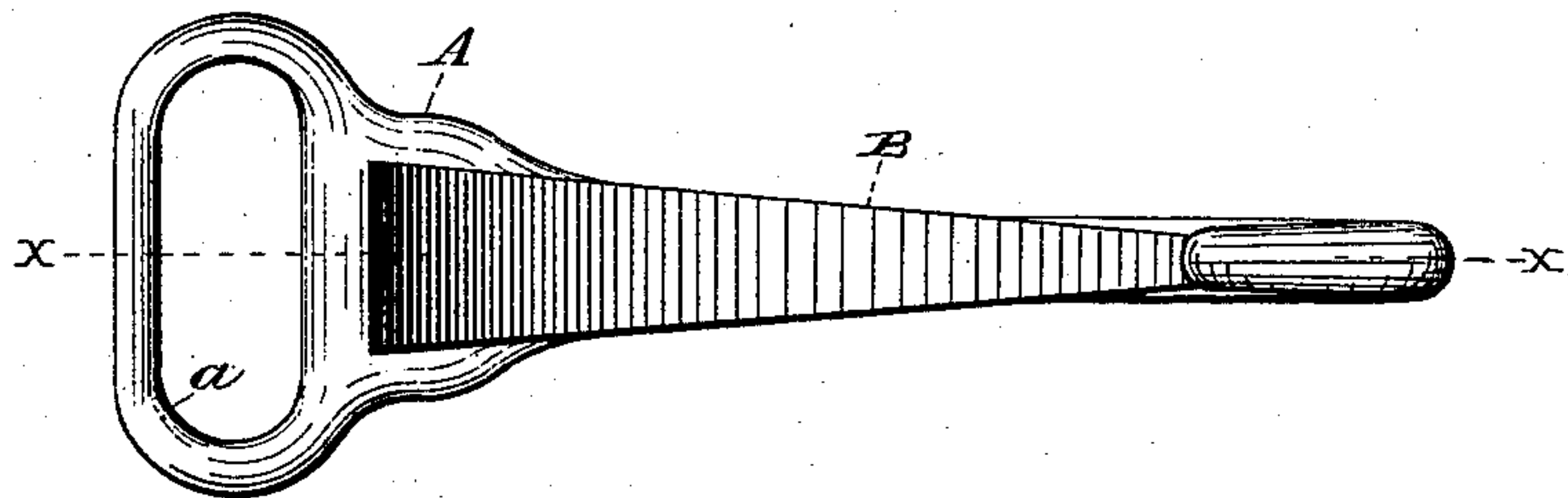
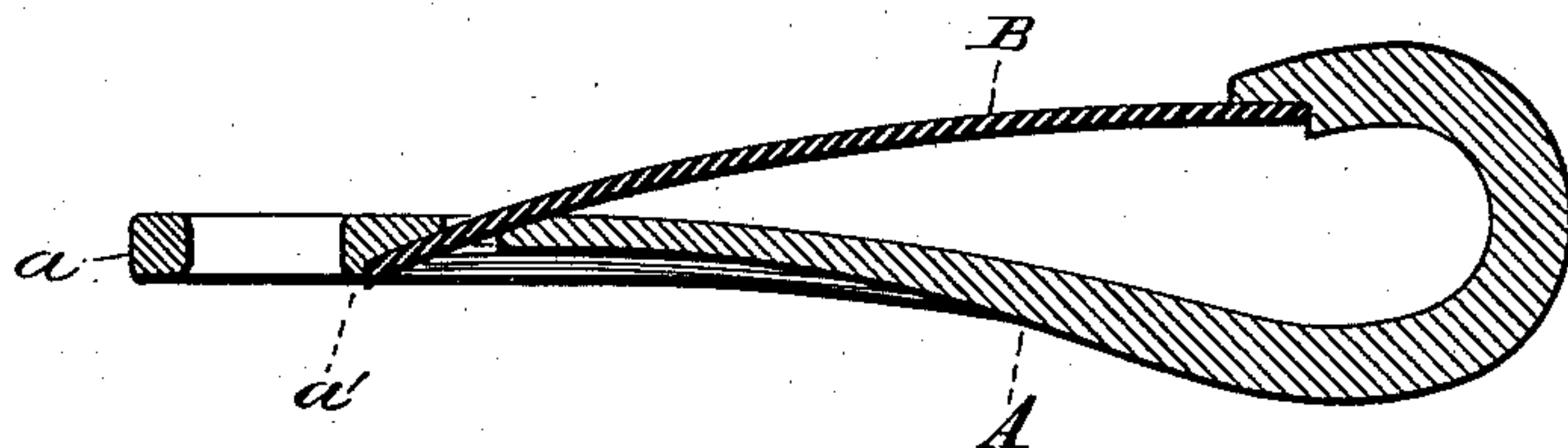


Fig. 2.



Jesse E. Pumphrey

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INVENTOR

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WITNESSES

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UNITED STATES PATENT OFFICE.

JESSE E. PUMPHREY, OF COLUMBUS, OHIO.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 291,226, dated January 1, 1884.

Application filed August 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, JESSE E. PUMPHREY, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and
5 useful Improvements in Harness-Snaps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

10 My invention relates to improvements in harness-snaps; and it consists in certain features of construction and in combination of parts hereinafter described, and pointed out in the claims.

15 In the drawings, Figure 1 is a plan view of my improved snap. Fig. 2 is a sectional view on the line of $x x$, Fig. 1.

A represents the body of the snap, made preferably of malleable cast-iron, and with the
20 part a in suitable shape for attaching a strap to the snap. There is an orifice passing obliquely through the part A, in which the butt of the spring B is inserted, the walls of the orifice forming a seat for this part of the said spring.

25 On the under side of the part A, and at the back end of the oblique orifice, is the rib a' , that engages the butt of the spring. The tension of the spring holds the butt-end thereof firmly in contact with the said seat, that in
30 turn supports the spring from all directions and holds it firm.

The spring, as shown, is made tapering, and when driven into its place fills the orifice and

cannot easily be disengaged from its seat without breaking the spring.

I am aware that projections have been cast
35 on the body of a snap-hook and turned over upon the butt-end of the spring to hold it against displacement, and hence I would have it understood that I make no claim to such
40 construction of snap-hook.

What I claim is—

1. A snap-hook provided with an opening or socket in its base to receive and retain a
45 snap-spring, said socket being formed with an oblique upper side to act as an abutment for the spring, and also with a shoulder constituting a rest for the adjacent end of said spring, whereby the spring is held within the socket
50 by virtue of its resilience alone when the outer end of said spring is in operative contact with the top of the hook.

2. The combination, with a straight snap-spring, of a snap-hook provided with an opening or socket in its base to receive the spring,
55 said socket being formed with an oblique upper side and also with a downwardly-extending rib or base, substantially as and for the purposes described.

In testimony whereof I sign this specification, in the presence of two witnesses, this 1st
60 day of August, 1883.

JESSE E. PUMPHREY.

Witnesses:

JOHN E. THRALL,
F. W. ARNOLD.