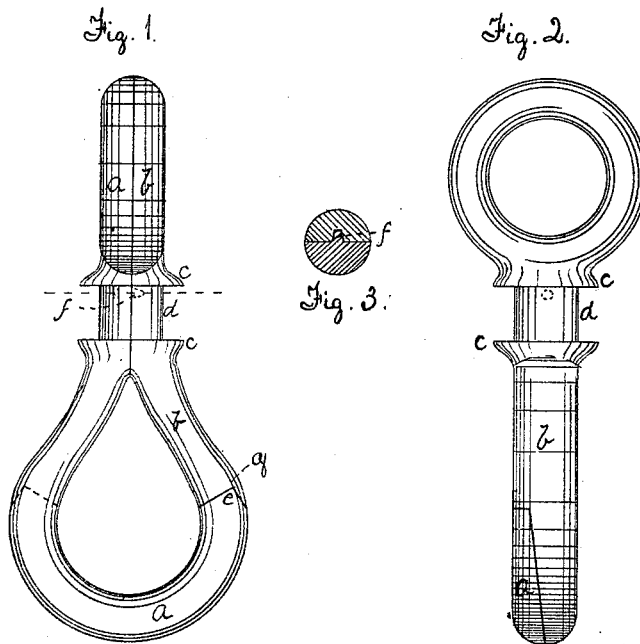


JOSEPH D. LEACH.

Improvement in Match-Hooks.

No. 114,451.

Patented May 2, 1871.



Witness
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UNITED STATES PATENT OFFICE.

JOSEPH D. LEACH, OF PENOBSCOT, MAINE.

IMPROVEMENT IN MATCH-HOOKS.

Specification forming part of Letters Patent No. **114,451**, dated May 2, 1871.

To all whom it may concern:

Be it known that I, JOSEPH D. LEACH, of Penobscot, in the county of Hancock and State of Maine, have invented a new and useful Improved Match-Hook; and I hereby declare the following to be a full, clear, and exact description of my invention, which will enable others to make and use the same, reference being had to the accompanying drawings, in which—

Figure 1 shows a front view of hook; Fig. 2, a side view of same; Fig. 3, a section showing the pin.

Same letters show like parts.

The object of my invention is to produce a match-hook in which the mousing or line securing the two parts together will be protected from chafing and wear, either from the abrasion of anything with which it may come in contact externally, or the wear occasioned by the rubbing together of the two portions of the hook, which is liable to cut the cord from the inside. Heretofore no device having these advantages has been in use, though the want has been much felt. I accomplish my purpose by making a recess around the throat of the hook to secure the mousing. This recess may be conveniently made by allowing shoulders to project at the top and bottom of the space designed for the cord wide enough to project beyond it. This will protect it effectually from chafing on the outside. To prevent its being cut on the inside by the motion of the sides of the hook, I securely fasten both the ring and hook ends of match-hook, so that any rubbing is prevented.

Reference to the drawings will explain my device.

At *a* is shown one side or portion of a match-hook. *b* shows the opposite side.

At *c c* are shown the shoulders forming the recess *d*, for the reception of the mousing. These shoulders extend around the throat of the hook, so that the cord is protected on all sides. They may be made to project somewhat over the recess if desired.

The ring end of the match-hook is kept from slipping or moving by fastening the sides by means of the pin *f* projecting from one side of the hook near the throat, and fitting into the other, which has a cavity to receive it. This renders any lateral motion of the ring end of the hook impossible, and is illustrated in Fig. 3 in section.

To keep the hooks from slipping sidewise, their ends *e e* are provided with points or dowels, shown in the drawing, which enter recesses in the opposite portion of the hook, seen at *g*. These points are preferably of the shape illustrated, as the angle of the outside of the dowel bears in such a way upon the recess as to more effectually prevent lateral movement; but this form can be varied without losing the effect.

The improvements which my match-hook has over those now in use are obvious, while they are obtained without increase of cost.

What I claim as my invention, and desire to secure by Letters Patent, is—

A match-hook having a recess for the reception of the mousing, as specified.

J. D. LEACH.

Witnesses:

SABIN HUTCHINGS,
JAMES LEACH.