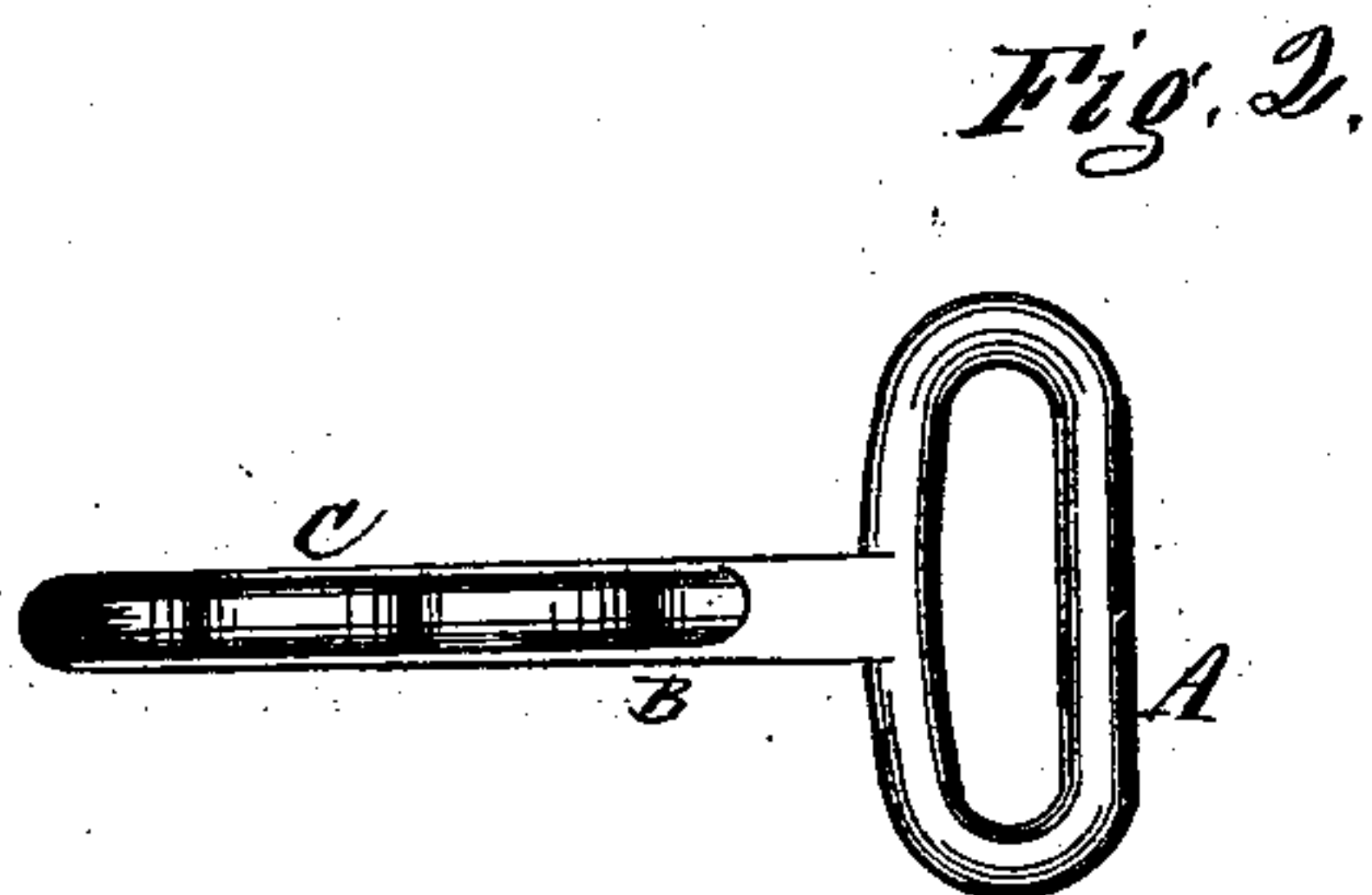
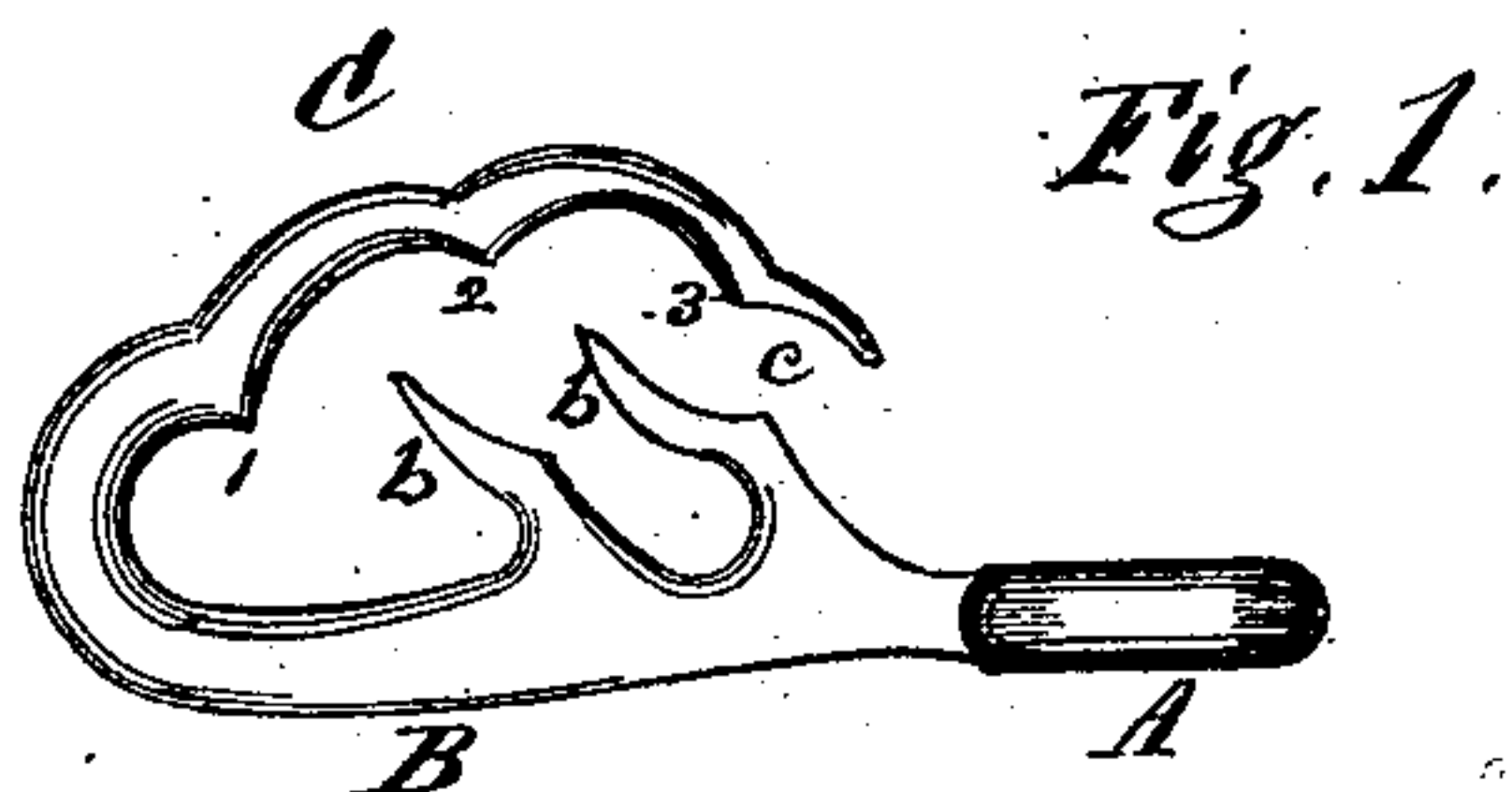


W. H. Taylor,

Snap Hook.

No. 108,739.

Patented Oct. 25. 1870.



Witnesses.

Wm. J. Dodge
J. D. Brown

Inventor.

Wm. H. Taylor
per F. A. Morley & Co.
Attys

United States Patent Office.

WILLIAM H. TAYLOR, OF BALDWINVILLE, NEW YORK.

Letters Patent No. 108,739, dated October 25, 1870.

IMPROVEMENT IN HARNESS-HOOKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM H. TAYLOR, of Baldwinsville, in the county of Onondaga and State of New York, have invented a new and improved Harness-Snap; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side view of my invention, and

Figure 2 is a plan view.

Similar letters of reference indicate like parts.

The object of this invention is to do away with the ordinary spring heretofore used generally in harness-snaps, thereby obtaining a more durable article, and making an important saving in cost; and

The invention consists in a malleable cast-iron hook, its point and a portion of the body being sufficiently light to have a degree of elasticity, and the entrance contracted so that the hook is engaged with sufficient resistance to spring its point and body slightly; also, in forming one or more shoulders on the point of the hook, and a corresponding number of fingers on its body, to aid the hook in retaining its hold, as hereinafter more fully described.

In the accompanying drawing—

A is the eye of the hook;

B, the body; and

C, the point.

The point C is made quite light, so as to have some spring or elasticity at its extreme end.

In fitting a harness with these snaps, the workman takes a pair of pliers and compresses the point until

the entrance *c* is slightly smaller than the bit-ring, with which it is to engage; and this alone would, perhaps, be sufficient to retain the ring within the hook; but in addition to this contraction of the entrance, I make the point C with several shoulders or curves, 1, 2, and 3, and provide the body B with fingers, *b b*, that are inclined toward the loop of the hook; and the said curves 1, 2, and 3, tend to throw the ring within the fingers *b b* when the ring moves backward toward the entrance of the hook. The fingers *b b* are inclined toward the loop of the hook, so that, if the ring should get past one or both of them, it will return readily to the loop of the hook when strain is put upon it.

These shoulders and fingers may be one or more in number, or they can be altogether dispensed with, and the contracted entrance *c* and the elasticity of the hook be relied on for the hook to retain its hold.

By these means an important saving is made in the cost of the article, and they are more durable than by the ordinary construction.

Having thus described my invention,

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

The snap-hook A B C, constructed substantially as described, with the curves 1 2 3 and projections *b b*, for the purpose set forth.

The above specification of my invention signed by me this 19th day of July, 1870.

W. H. TAYLOR.

Witnesses:

S. DEVEAU,

F. A. MORLEY.