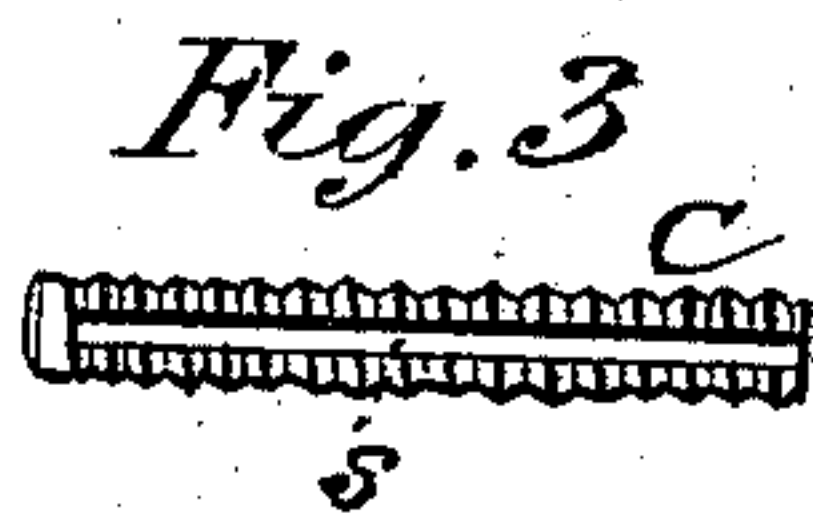
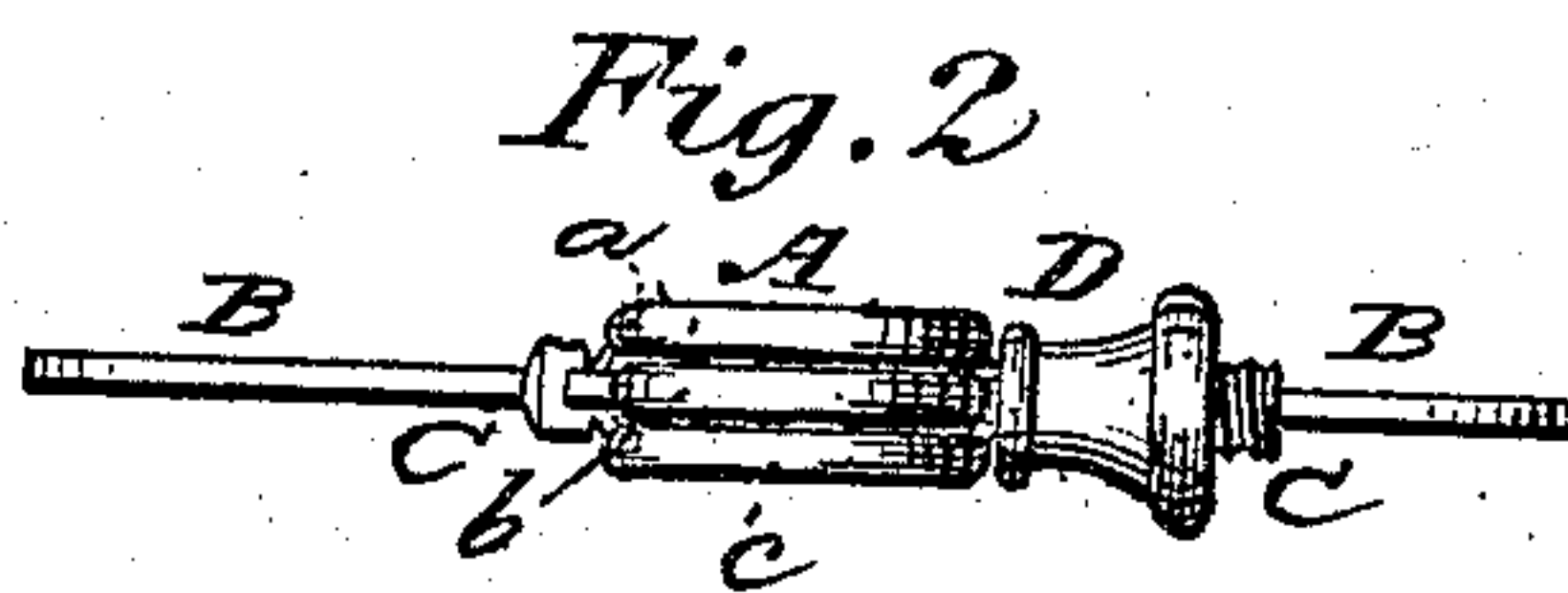
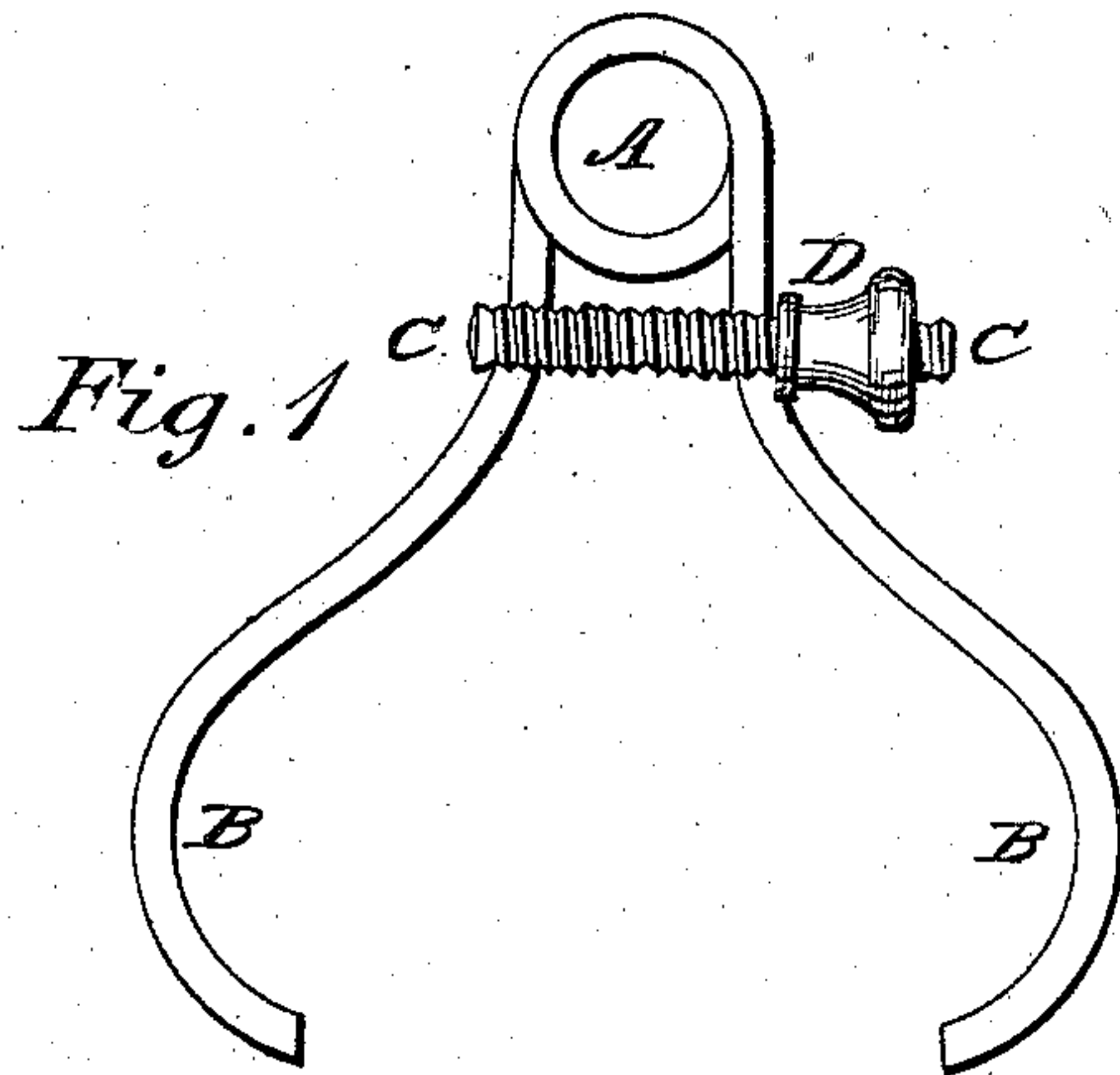


PAGE & HADLEY.

Calipers.

No. 99,698.

Patented Feb. 8, 1870.



Witnesses:
A. Bradley
H. H. Howard

Inventors:
Page & Hadley
By their Attorneys
Chas. J. Stanbury

United States Patent Office.

T. C. PAGE AND GEORGE W. HADLEY, OF CHICOPEE, MASSACHUSETTS.

Letters Patent No. 99,698; dated February 8, 1870.

IMPROVEMENT IN CALIPERS.

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

To all whom it may concern:

Be it known that we, T. C. PAGE and GEORGE W. HADLEY, both of Chicopee, in the county of Hampden, and State of Massachusetts, have invented Improved Calipers; and we do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of our calipers;

Figure 2, a top view of the same; and

Figure 3, a detached view of the slotted screw, forming the bridle or yoke.

The same letter indicates the same part wherever it occurs.

The nature of our invention consists in forming calipers of wire, the spring-head being formed of a coil, and the legs being passed through a bridle or yoke, consisting of a slotted screw, and adjusted by a nut playing on the outside of said screw, the whole forming a cheap and useful instrument, possessing large compass and flexibility and great durability, all as hereinafter more fully set forth.

To enable others to make and use our improved calipers, we proceed to describe their construction and operation, referring to the drawing forming part of this specification.

In the drawing—

A marks the coiled spring forming the head of the calipers;

B B, the legs of the instrument;

C, the slotted screw; and

D, the nut for adjusting the compass.

In fig. 1, *a b c* are the coils of the wire, forming the head of the calipers, and in fig. 3, *s* marks the slot in the screw C.

The calipers are formed of a single piece of common

wire, of a size proportionate to that of the instrument to be made. It is coiled in the middle, to form a spiral spring, A, and flattened at the ends to the proper size for the points of the limbs.

These are then passed through the slots of the screw C, and receive the proper curved form.

A threaded nut, D, playing on the outside of screw C, affords the means of adjusting the compass of the points. The screw C is not fixed to either limb of the calipers, but is loose upon both, being retained in place by the curvature of the legs B B.

We have described our invention as applicable to calipers, but it is obvious that it is equally applicable to dividers, and we have, in fact, applied it in their manufacture. We wish, therefore, to have it understood that we consider dividers as embraced within the scope of our invention.

Having thus fully described our improvements,

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

1. The bridle or yoke C, made of a loose slotted screw, applied so as to embrace the legs of calipers, and provided with a nut, D, substantially as specified.

2. Calipers made of common wire, in the manner described, having a coiled-spring head and legs, confined by a slotted screw-yoke, and adjusted by a threaded nut, all as and for the purpose set forth.

The above specification of our said invention signed and witnessed at Chicopee, this 1st day of September, A. D. 1869.

T. C. PAGE.

GEO. W. HADLEY.

Witnesses:

ALBERT PERKINS,

CHAS. M. TAYLOR.