

(No Model.)

M. M. BARNES.
MICROMETER CALIPER HANDLE.

No. 346,706.

Patented Aug. 3, 1886.

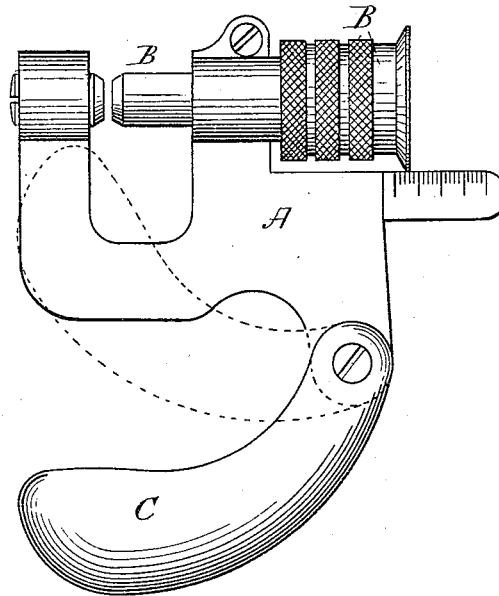


Fig. 1.

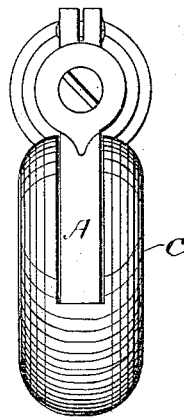


Fig. 2.

WITNESSES.

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UNITED STATES PATENT OFFICE.

MERRICK M. BARNES, OF BOSTON, MASSACHUSETTS.

MICROMETER-CALIPER HANDLE.

SPECIFICATION forming part of Letters Patent No. 346,706, dated August 3, 1886.

Application filed November 25, 1885. Serial No. 183,916. (No model.)

To all whom it may concern:

Be it known that I, MERRICK M. BARNES, of Boston, in the county of Suffolk and State of Massachusetts, a citizen of the United States, have invented certain new and useful Improvements in Micrometer-Caliper Handles, of which the following is a specification.

My invention relates to improvements in that class of micrometer-calipers in which the measuring tool in use is held vertically by a portion of the fingers of one hand of the operator, leaving the thumb and index-finger free to operate the head of the caliper screw; and it has for its object the improved construction of a device to facilitate its use in this manner.

In the drawings, Figure 1 is a side view of a hand micrometer-caliper embodying my present improvement. Fig. 2 is a plan view of the device invented, showing the handle folded.

In the drawings, A represents the caliper-standard, and B the caliper screw. C represents the handle.

In tools of this character as heretofore constructed a ring has been formed in the standard A, through which ring the third or middle finger of the operator is intended to be inserted, this ring thus forming the means by which the calipers are held when in use. There are several practical objections to this construction—for example, the ring being of fixed size it not uncommonly happens that it is too small to be conveniently used by some operators whose fingers are larger than the average. At the same time it is inconvenient for use by those whose fingers are small, as there is in

this case a tendency for the device by reason of its overbalance when upon the finger not to adapt itself readily to be held in the manner required when in use. By my improvement I have dispensed altogether with this ring, and have substituted therefor a hinged handle, such as is shown at C, the handle being recessed or slotted, so that when not in use it may be folded upon the standard A, as shown in Fig. 2 and in dotted lines in Fig. 1, thus economizing space in packing, and being of such shape and construction that when unfolded or opened out it leaves ample room for all the fingers of the operator's hand, except the index-finger and thumb, which are used to perform the measuring operation. My improved handle, furthermore, enables the operator to grasp the tool with two or three fingers, thus insuring a firmer and better grip than could be had in the case of the old structure.

I claim—

The combination, with hand micrometer-calipers of the character described, of a hinged or folding handle, C, so constructed as to adapt the calipers to be held and operated by one hand, substantially as and for the purpose herein set forth.

In testimony whereof I have hereunto subscribed my name this 23d day of November, A. D. 1885.

MERRICK M. BARNES.

Witnesses:

J. HENRY TAYLOR,
JAMES F. BLIGH.