

W. BARTLE.

Combined Tools.

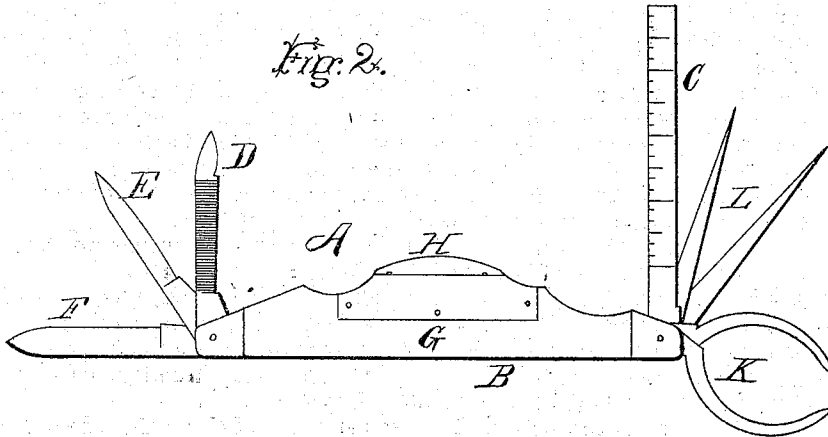
No. 136,693.

Patented March 11, 1873.

Fig. 1.



Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM BARTLE, OF FRANKLIN, PENNSYLVANIA.

IMPROVEMENT IN COMBINED TOOLS.

Specification forming part of Letters Patent No. **136,693**, dated March 11, 1873.

To all whom it may concern:

Be it known that I, WILLIAM BARTLE, of Franklin, in the county of Venango and State of Pennsylvania, have invented a new and valuable Improvement in Combined Tools; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of my pocket-tool closed. Fig. 2. is a side view of my pocket-tool open.

This invention has relation to pocket-tools; and it consists in the construction and novel arrangement, in connection with a suitably-partitioned case-handle, of a spirit-level, calipers, dividers, try-square, and the ordinary knife-blades, as hereinafter described. The object of the present invention is to provide in a convenient form, to be always carried about the person, certain small tools of especial use in small carpentry-work or cabinet-making, whereby the expense of large tools as well as their bulk may be avoided.

In the accompanying drawing, the letter A designates the case-handle, having the general shape of an ordinary knife-handle, having a perfectly-straight back, B, serving for one arm of the try-square, the other arm of

which is formed by the graduated, parallel-sided blade or rule C, which is hinged to the case at the end, and adapted to shut down between two of its partitions, like the knife-blades D, E, and F. G indicates the side of the case, which bears at the middle portion of the front edge the spirit-level H, arranged parallel with the straight back B of the case. The side or wall G is for this purpose generally made thicker than its fellow. K indicates a pair of calipers, hinged together and to the casing at its end in such a manner that when not required for use they can be shut within the same between the partition-walls. In a similar manner, the pair of dividers L is connected with the case.

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

The pocket-tool described, consisting of the straight-backed case-handle, having a spirit-level in its front edge, and try-square, calipers, dividers, and cutting-blades pivoted to its ends, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM BARTLE.

Witnesses:

MOSES J. COLMAN,
H. J. SAYLER.