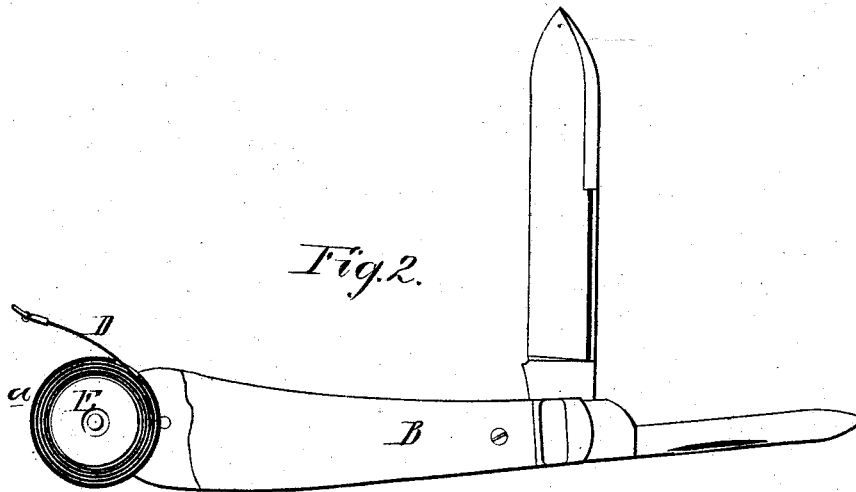
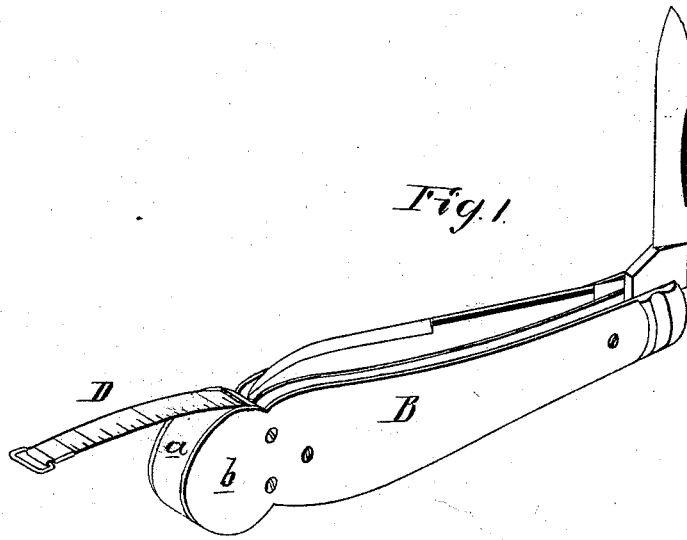


G. S. HASTINGS
Combined Knife and Tape Line.

No. 166,099.

Patented July 27, 1875.



Witnesses,
Henry Smith
Hubert Towson

Glover S. Hastings
by his Attorneys,
Harmon and Son

UNITED STATES PATENT OFFICE.

GLOVER S. HASTINGS, OF UNIONVILLE, ASSIGNOR TO HIMSELF, FRANK S. JOHNSON, AND WILLIS J. HEMINGWAY, OF PLAINVILLE, CONN.

IMPROVEMENT IN COMBINED KNIVES AND TAPE-LINES.

Specification forming part of Letters Patent No. **166,099**, dated July 27, 1875; application filed June 8, 1875.

To all whom it may concern:

Be it known that I, GLOVER S. HASTINGS, of Unionville, Hartford county, Connecticut, have invented a Combined Pocket-Knife and Tape-Measure, of which the following is a specification:

The object of my invention is to so construct the handle of a pocket-knife that it may be made available as a casing for containing a tape-measure without interfering with its duties as a knife-handle, and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of a pocket-knife with my improvement, and Fig. 2 a side view, partly in section.

A circular chamber is formed at the rear end of the handle, partly by a ring, *a*, and partly by continuations *b* of the cheek-pieces B of the said handle, the ring being confined

between and secured to these continuations. Round a pulley, E, contained in this chamber, is wound the usual tape-measure, the pulley being provided with the ordinary coiled spring, which tends to maintain the graduated tape within the chamber in a manner too well known to need description.

I claim as my invention—

The combination described, of a chamber for containing a tape-measure, with the handle of a pocket-knife, the said chamber being bounded partly by the ring *a*, and partly by continuations *b* of the said cheek-pieces of the handle, all substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GLOVER S. HASTINGS.

Witnesses:

J. D. COOK,
L. H. HART.