(No Model.)

E. S. GLOVER.

COMBINED POCKET KNIFE AND RULE.

No. 273,981. Patented Mar. 13, 1883.

Fig. 1.

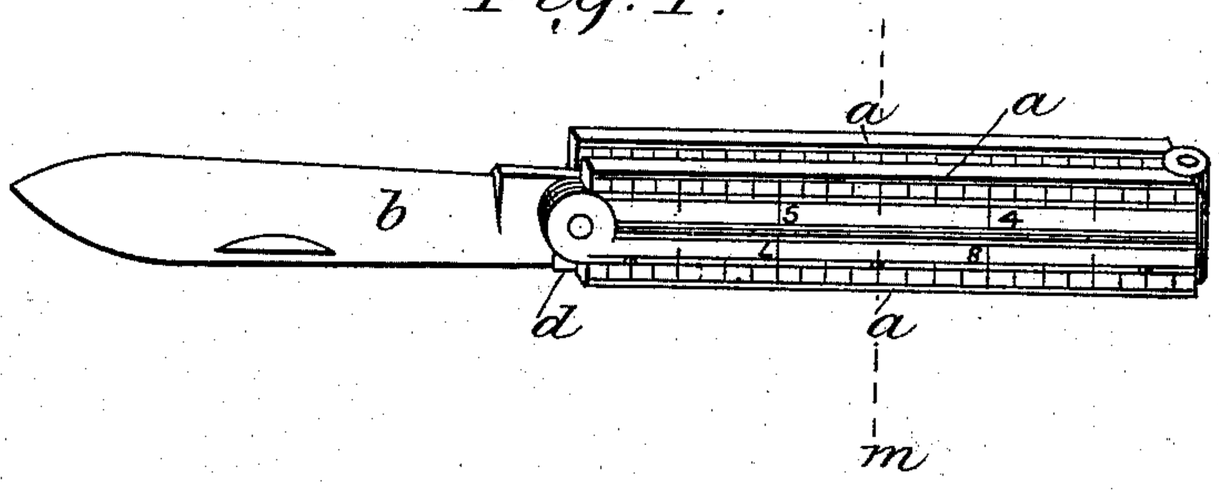


Fig. 2.

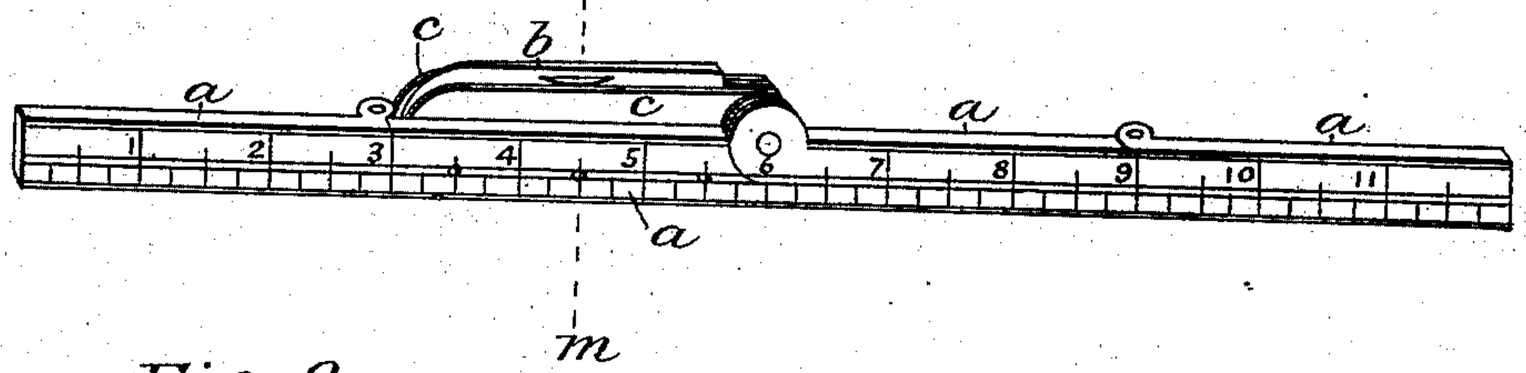


Fig. 3.

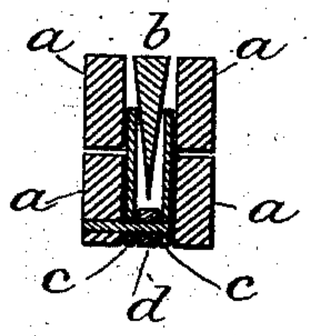


Fig. 4

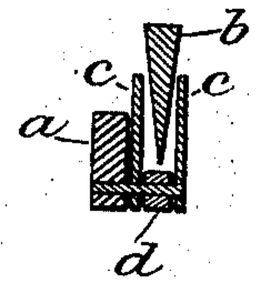
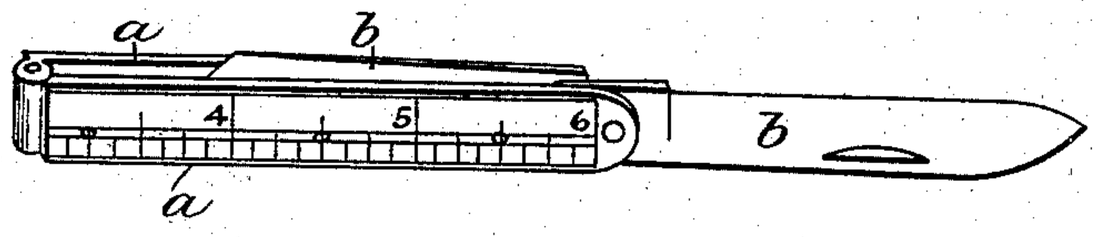


Fig. 5.



Witnesses:

Charles A. Hamilton

Frank H. Latta.

Inventor:

Edi Sheldon Glover

UNITED STATES PATENT OFFICE.

ELI S. GLOVER, OF BATTLE CREEK, MICHIGAN.

COMBINED POCKET-KNIFE AND RULE.

SPECIFICATION forming part of Letters Patent No. 273,981, dated March 13, 1883.

Application filed June 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, ELI SHELDON GLOVER, of Battle Creek, in the county of Calhoun and State of Michigan, have invented a new and useful Improvement in Pocket-Knives and in Folding Pocket-Rules for Lineal Measurement, (the same not having been known or used to my knowledge in this or in any foreign country,) of which this is a specification.

The object of my invention is to furnish an implement that shall combine in one a pocket-knife and a pocket-rule for lineal measurement, the handle of the knife being adapted to open out and form a straight rule.

In the accompanying drawings, where similar letters of reference indicate like parts, Figure 1 is a view of the knife with open blade and folded rule, the four parts of which constitute the handle of the knife. Fig. 2 is a view of the handle in four parts when open for use as a rule, the blade being closed. Fig. 3 is a section taken at *m*, with the knife and rule closed. Fig. 4 is a section taken at *m*, with the rule open and the knife shut. Fig. 5 is a view of the knife, with handle in two parts, adapted to open for a shorter rule.

a a a a represent the parts of the folding rule with scale for lineal measurement on either side. These parts can be made of any suitable material, of any desired length, and when closed will form the sides or cheeks for the handle of the knife.

b represents the blades of the knife, which are attached to the cam-hinge of the rule by the same rivet which hinges the parts together. The blades close into a guard of thin metal, *c c*, attached to the inside of one of the sections of the rule.

I construct the knife with the ordinary spring, *d*, at the back to hold the blade open or shut, and on either side of the spring and the blade I have the thin metal scales or plates *c*, between which the blades close, the blade being hinged to the rivet which passes through the center cam-hinge of the rule. The knife is firmly fixed to one of the sections of the handle *a*, four of which constitute the folding rule. The thin metal lining or scales *c c* stand partly above the line of the rule when open, and when closed the corresponding parts of the rule, which are hinged together at their ends, fit closely about the knife guard or lining *c c* and form the handle of the knife. For a shorter rule I construct the handle of two parts *a a*, hinged together at the opposite end and at right angles to the blade, as shown in Fig. 5, the cam-hinge being of suitable size to separate the parts sufficient to receive the blade and the lining of the knife when closed.

The outside corners of the sections which form the handle of the knife can be made square, beveled, or rounded, as desired. More than one blade, or a nail-file, pick, or other useful implement may be inserted, as in other knives. The calipers or gage can be constructed as in the ordinary rule.

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

1. In a pocket-knife, the construction of the handle in parts (the said parts being marked with a scale for lineal measurement) hinged together at the ends, whereby the handle can be opened out to form a continuous straight rule, substantially as described, for the purpose specified.

2. With a folding pocket-rule for lineal measurement, the combination of one or more cutting-blades attached to the rule-joint, substantially as described, for the purpose set forth.

ELI SHELDON GLOVER.

Witnesses:
PHIL. H. STARKE,
H. A. HATCH.