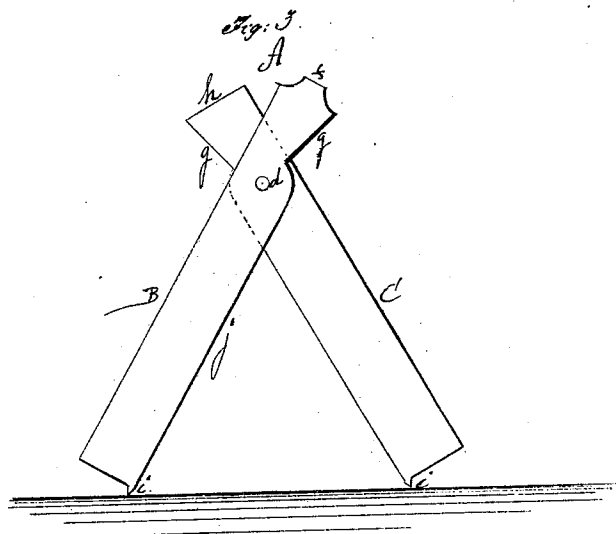
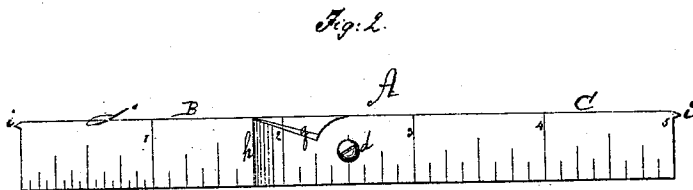
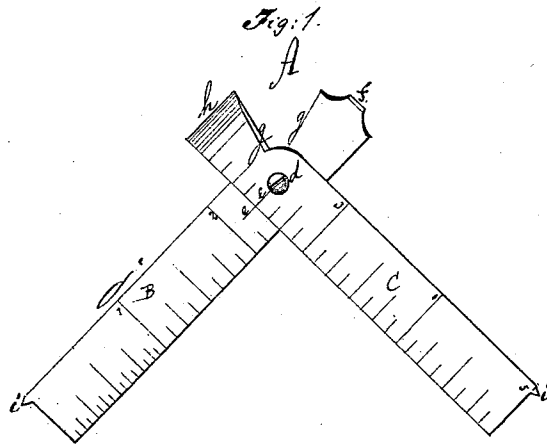


J. Manchester,

Packet Rule.

No. 97,099.

Patented Nov. 23, 1869.



Witnesses:

Chas. Nida.
Alex F. Roberts

Inventor:

J. Manchester
PER *[Signature]*
Attorneys.

United States Patent Office.

JOEL MANCHESTER, OF NEW YORK, N. Y.

Letters Patent No. 97,099, dated November 23, 1869.

IMPROVEMENT IN COMBINATION POCKET-RULE.

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

To whom it may concern:

Be it known that I, JOEL MANCHESTER, of the city, county, and State of New York, have invented a new and useful Improvement in Combination Pocket-Rule; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to furnish a light, cheap, and convenient article for the pocket, which shall combine within itself various tools and instruments, each perfect in its operation; and

The invention consists in the construction and arrangement of parts, as hereinafter described.

In the accompanying drawing—

Figure 1 represents the pocket-rule as a try-square.

Figure 2 is an extended rule for measuring.

Figure 3 represents it as when used as compasses or dividers.

Similar letters of reference indicate corresponding parts.

A is the combination pocket-rule, which is formed of two parts, B and C. As a rule, it is graduated or marked off into inches and fractions of an inch.

The two parts, B and C, are pivoted together by the screw or rivet *d*.

When the marks *e e* correspond, as seen in the drawing, the parts form a right-angle or try-square.

f is a screw-driver bit.

g g are cutting-edges, which work together as scissors, for cutting into cloth for tearing, and for cutting twine, or other articles.

h is a chisel-edge, for cutting button-holes, and for other purposes.

i i are points, which, when the rule is partially folded, as seen in fig. 3, adapt it for use as compasses for describing circles, or spacing off distances.

When the parts of the ruler are extended, as seen in fig. 2, it is adapted for a ruler for striking straight lines, and when in the position seen in fig. 3, the parts form an adjustable bevel.

j is a cutting-edge, which, when the parts are extended, adapts it for a paper-cutter.

The chisel-edge *h*, being a fine cutting-edge, may be conveniently used as an eraser and as a pencil-sharpener.

It will thus be seen, that in the most compact form, with a weight of only half an ounce, twelve useful tools are combined, each perfect in its operation, and adapted for the various uses for which they are intended, each operation being not only necessary, but indispensable, as the occasion for the performance occurs, and which, under ordinary circumstances, would require a great variety of tools, while in this simple combination they are condensed into one instrument weighing but half an ounce, which may be carried in the vest-pocket.

Having thus described my invention,

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

The combination of the pocket-rule, consisting of the two parts B and C, pivoted together, and provided with the several cutting-edges, and constructed as herein shown and described, constituting a combined implement adapted to the various uses specified and set forth.

JOEL MANCHESTER.

Witnesses:

FRANK BLOCKLEY,
GEO. W. MABEE.