(No Model.)

F. J. KELLOGG.

RULE OR MEASURE.

No. 290,889. Patented Dec. 25, 1883.

Fig. 1.

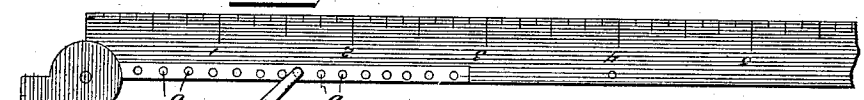


Fig. 2.

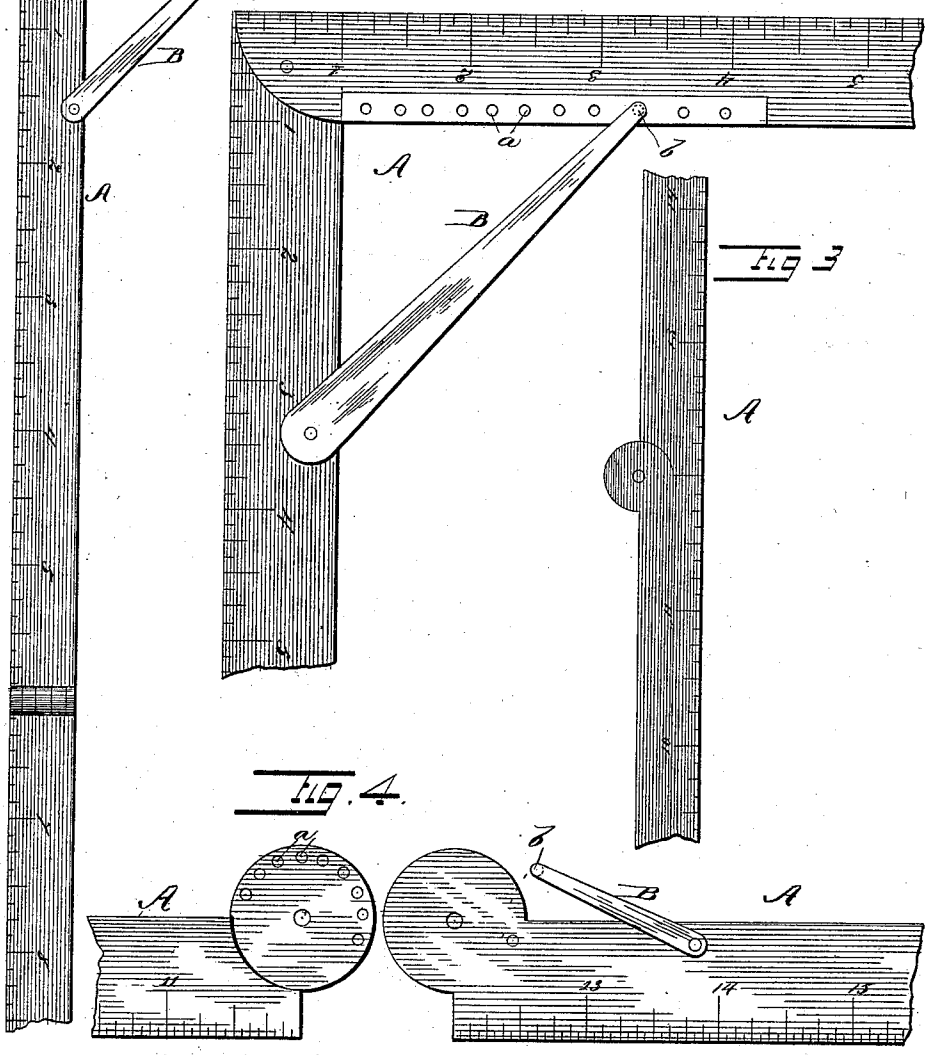


Fig. 3.

Fig. 4.

Witnesses:
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per

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UNITED STATES PATENT OFFICE.

FRANK J. KELLOGG, OF BATTLE CREEK, MICHIGAN.

RULE OR MEASURE.

SPECIFICATION forming part of Letters Patent No. 290,889, dated December 25, 1883.

Application filed February 27, 1883. Renewed November 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK J. KELLOGG, a citizen of the United States of America, residing at Battle Creek, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Rules or Measures, of which the following is a specification.

My invention relates to an improvement in rules and measures; and it consists in providing one part of a jointed rule, yard-stick, or other measure with a spring-hook adapted to engage with a graduated series of holes in the other part, whereby the two parts may be set and held rigidly at any angle with each other, or held in a straight line, as may be desired, substantially as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the accompanying drawings, in which—

Figure 1 is a view of a carpenter's rule provided with my improvement; Fig. 2, a view of a jointed yard-stick; Fig. 3, a reverse side view of the rule in a different position, and Fig. 4 is a modification of the manner of applying the device.

A represents a common rule or yard-stick, jointed as shown in Figs. 1 and 2, and stamped or provided with graduations upon one side, numbered from one end to the other, and upon the other numbered from the joint toward each end. The series of holes are graduated to set the arm at forty-five degrees, ninety degrees, thirty degrees, or whatever desired angle with reference to the other part. One arm of this rule or measure is provided with a pivoted spring, B, having its free end or point formed with an inwardly-projecting pin, *b*, (shown in dotted lines,) which pin is adapted to enter one of a series of holes, *a*, arranged in the other part of the rule, as shown. When it is desired to use the full length of the rule, it is opened out and held in that position by the catch B engaging with one of the holes *a*. If it is desired to rule any particular angle, or measure or cut at an angle or on the bias, as frequently occurs in carpentry, tailoring, &c., the parts of the rule or measure may be quickly adjusted to the desired angle and held firmly in that position. The holes *a a* may, if desired, be marked with the angle they represent, to facilitate setting the measure.

In Fig. 4 I have shown a modification of the mode of applying this device to a rule which will be found very compact and cheap and equally as good as the one illustrated in the other figures.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The rule or measure A, jointed and marked as herein described, and one part provided with a series of holes graduated to set the arm at different angles, in combination with the spring B, pivoted upon one part of the measure, and provided with pin *b*, adapted to engage with the holes in the other, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK J. KELLOGG.

Witnesses:
P. M. DILL,
WM. ATKINS.