

F. MARTIN.
DIMENSION GAGE.
APPLICATION FILED JUNE 30, 1905.

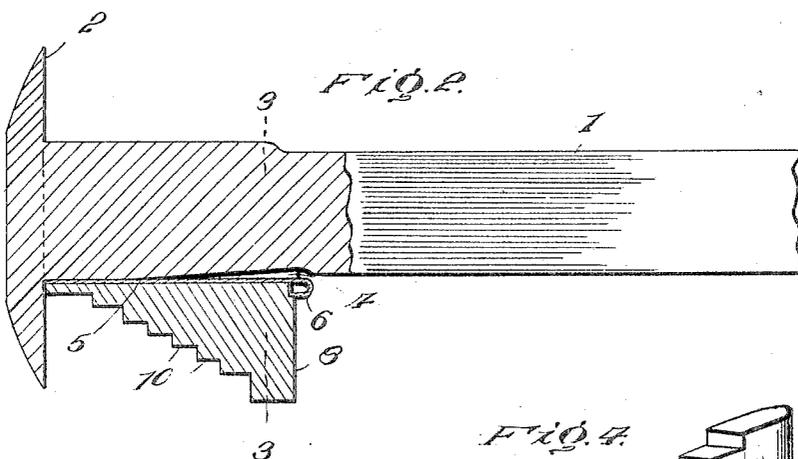
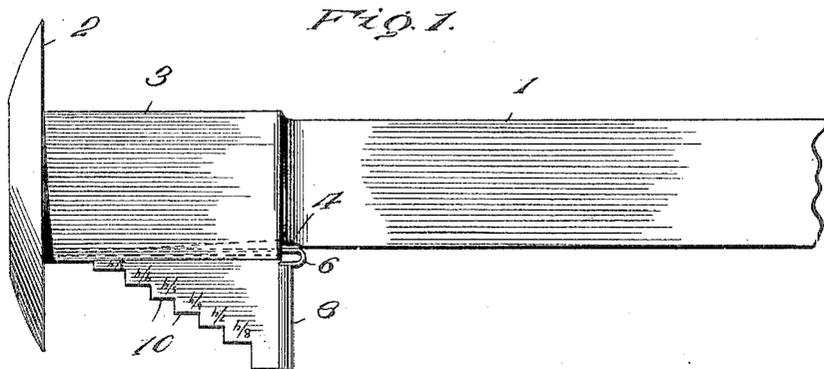
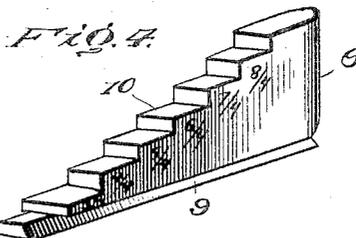
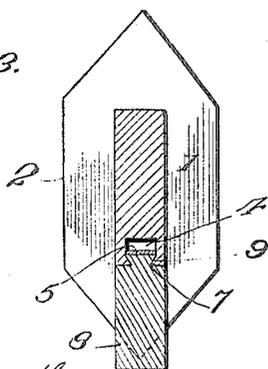


FIG. 3.



Witnesses
L. O. Langworthy.
[Signature]

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UNITED STATES PATENT OFFICE.

FLOYD MARTIN, OF NEWLONTON, WEST VIRGINIA.

DIMENSION-GAGE.

No. 802,402

Specification of Letters Patent.

Patented Oct. 24, 1905.

Application filed June 30, 1905. Serial No. 267,722.

To all whom it may concern:

Be it known that I, FLOYD MARTIN, a citizen of the United States, residing at Newlonton, in the county of Upshur and State of West Virginia, have invented certain new and useful Improvements in Dimension-Gages, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to dimension-gages, and more particularly to a gage having for its object the measuring of the thickness of lumber, one of the objects of my invention being to provide a device of the character described that shall be simple and inexpensive in construction and practical and effective in operation.

A further object of said invention is to provide a device of the character described that may be removably mounted on an ordinary measuring stick or rule.

Other objects and advantages of my invention, as well as the structural features by means of which these objects are attained, will be made clear by an examination of the specification, taken in connection with the accompanying drawings, in which the same reference-numerals indicate corresponding portions throughout, and in which—

Figure 1 is a side elevation of an ordinary lumber-rule or measuring-stick, showing my device in operative position and showing the spring in dotted lines. Fig. 2 is a side elevation, partly in section, of a measuring-stick, showing my device in operative position and showing the spring whereby it is held in operative position. Fig. 3 is a transverse section on lines 3 3 of Fig. 2, and Fig. 4 is a perspective view of my gage detached from the measuring-stick.

1 represents an ordinary measuring stick or rule having a head 2, formed integral therewith, the end of the rule next to the head being somewhat enlarged, as shown at 3, and resting in a slanting groove or slot 4 in said enlarged part is a leaf-spring 5, having its outer end bent to form a hook 6. The walls of said slot 4 are arranged at an angle, as shown in Fig. 3, so that the distance between the walls at the top is not so great as between them at the bottom, leaving the overhanging projections 7 at the top of each wall of said groove or slot.

8 represents a stepped gage having a base 9, the sides of which are arranged at an angle, so that the top of said base is narrower than the bottom to correspond with the groove or

slot 4, in which the said base is adapted to slide and be held in position on the measuring-stick 1 by means of the hooked end 6 of the leaf-spring 5, as shown in Figs. 1 and 2. 60
The steps or shoulders 10 represent determined distances from the inner edge of the head 2 of the measuring-stick, said distances being marked adjacent each step or shoulder, as shown in Fig. 4, and in this instance com- 65
mencing at three-quarters of an inch and ascending to two inches.

In operation the base 9 is placed upon the top of the hook 6 against the tension of the leaf-spring 5, pushing that end of said leaf- 70
spring down to the bottom of the groove, from which it is held extended by the other end of the spring. The gage 8 is then pushed along toward the head 2 of the measuring-stick until the base 9 rests entirely within the groove, 75
whereupon said base is disengaged from the hooked end of the leaf-spring, whereupon the tension of the spring is released, so that the hook assumes the position shown in Fig. 2, bringing the outer end of the spring against 80
the outer end of the gage 8, thus holding the same securely in position on the measuring-stick. The width of the lumber is determined by placing the head 2 against one side of the 85
board to be measured and allowing the opposite edge of the board to abut against the vertical edge of one of the steps or shoulders 10, said step or shoulder being marked, as shown in Fig. 4, to indicate the distance from the 90
vertical edge of said shoulder to the inner side of the head 2.

For the measuring of ordinary sawed lumber either loose or in the pile my device will be found efficient and practical, the gage 8 95
being of a size conveniently carried in the pocket and so constructed that it can be easily attached to or detached from any measuring stick or rule having a groove or slot and spring, as hereinbefore set forth.

Having thus described my said invention, 100
what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A dimension-gage comprising an arm, a head formed integral therewith, a stepped 105
gage removably secured to the arm, and a leaf-spring whereby the gage is held in operative position on the arm.

2. In a dimension-gage, an arm, a head on one end of the arm, a groove or slot in the arm, a leaf-spring mounted in the groove, and 110
a stepped gage resting in the groove or slot and removably held therein by the spring.

3. In a dimension-gage, an arm, a head on one end thereof, a slot or groove in the arm extending longitudinally thereof, a leaf-spring resting in the slot or groove and extending
5 longitudinally thereof, and a stepped gage adapted to slide in said slot or groove and to rest against and be held in operative position by the leaf-spring.

4. In a dimension-gage, an arm, a head on
10 one end of said arm, a groove or slot in the arm and extending longitudinally thereof and having a slanting floor, the walls of said slot converging toward each other, a leaf-spring resting in the slot and extending longitudi-

nally thereof and having one of its ends fixed and the other end turned to form a hook, a stepped gage, and a base for the gage, said base having slanting walls converging toward each other and being adapted to fit and rest in said groove and to engage the leaf-spring whereby the gage is held in operative position.

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

FLOYD MARTIN.

Witnesses:

EMERY JACKSON,
SELMA HAYMOND.