

952,270.

H. S. MILKS.
MITER BOX.

APPLICATION FILED JUNE 17, 1908.

Patented Mar. 15, 1910.

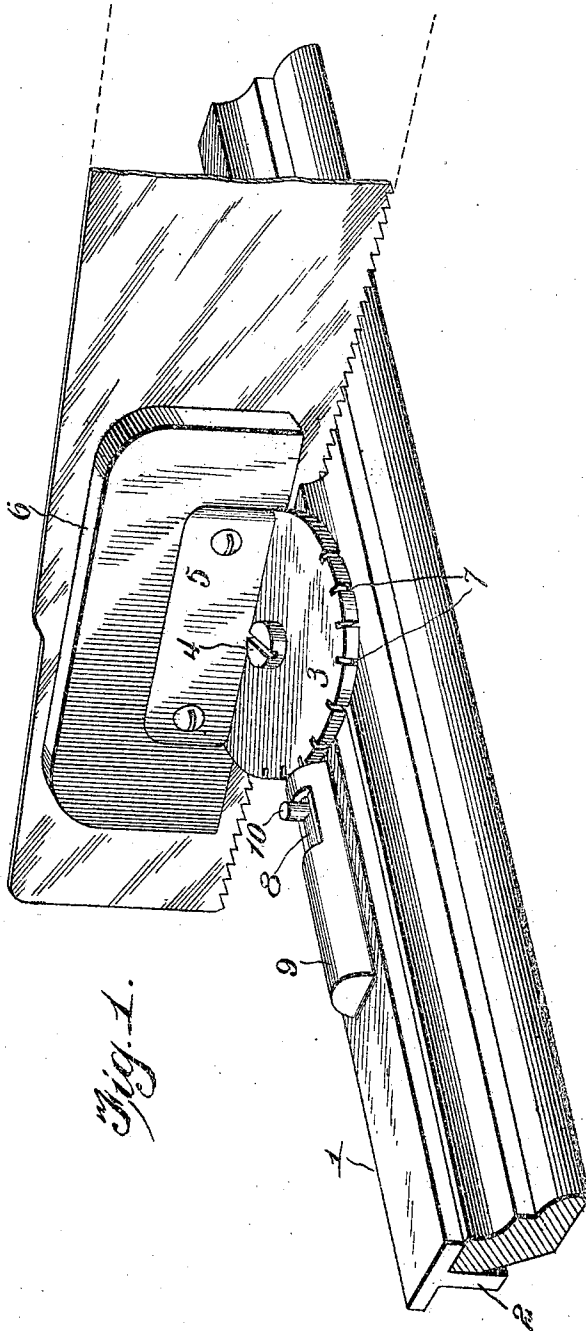


Fig. 1.

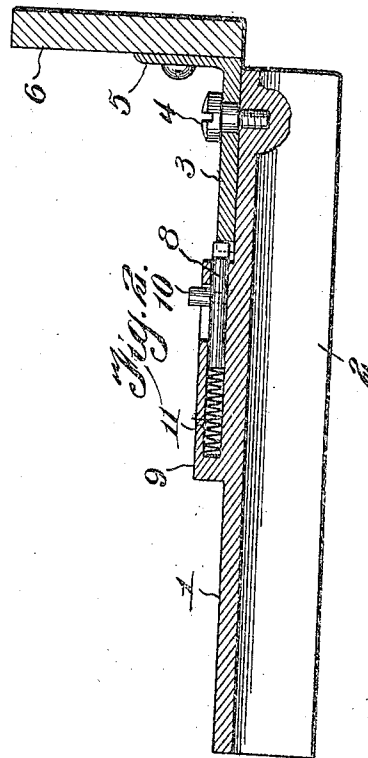


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

HARRY S. MILKS, OF PARSONS, KANSAS.

MITER-BOX.

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Specification of Letters Patent.

Patented Mar. 15, 1910.

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To all whom it may concern:

Be it known that I, HARRY S. MILKS, a citizen of the United States, residing at Parsons, in the county of Labette and State of Kansas, have invented new and useful Improvements in Miter-Boxes, of which the following is a specification.

This invention relates to devices for obtaining an angle and guiding a saw in cutting a miter, and the object of the invention is to provide a small and compact device of this character primarily intended for use upon moldings and which is so constructed and arranged as to retain a saw guiding plate at a desired angle.

With these and other objects in view the invention resides in the novel construction and arrangement of elements hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a device constructed in accordance with the present invention, and showing the same in applied position upon a molding and adjusted to guide a saw in cutting a miter. Fig. 2 is a central longitudinal sectional view of the same.

In the accompanying drawings, the numeral 1 designates the body of the improved device. This body 1 comprises a substantially T-shaped member having a central depending tongue 2. The tongue 1 and the under faces of the top of the longitudinally extending body member 1 are arranged at an exact right angle to each other. The top of the device is provided near one of the ends thereof with a segment 3. This segment is pivotally secured to the body as at 4, whereby the segment may be swung as desired. The segment is provided with a vertically extending portion 5 constructed along the straightened wall of the segment, and this extension is adapted for connection with an enlarged face plate 6, adapted to serve as a guide for a saw. The circular portion of the segment 3 is provided with a plurality of slits 7, and these slits are adapted to be engaged by a spring pressed pawl 8 arranged in a housing 9 either integrally formed with or secured upon the face of the body 1. If desired the face of the segment adjacent the slits 7 may be provided with suitable graduations whereby

the desired angle of the face plate 6 may be readily determined. The housing 9 is provided with a suitable cut away portion and the pawl 8 is provided with a projection 10 extending upwardly through this cut away portion so as to provide means whereby the pawl may be readily retracted against the pressure of the spring 11 within the housing when it is desired to change the angle of the face or guide plate 6 by swinging the same upon the pintle 4 of the segment 3.

It will be noted that by providing the device with the T-shaped body member, strips of molding having their faces lying in opposite directions may be readily engaged by the device without necessitating the turning of the said strips of molding, thus providing a great saving of time.

From the above description it will be noted that I have provided an extremely simple, cheap and effective device for the purpose set forth, one which may be easily rotated to the desired angle and retained rigidly in position, one which has its body provided with a central tongue whereby the device may be used from either side as desired.

Having thus fully described the invention what is claimed as new is:

A miter box comprising a longitudinally extending T-shaped body member having its horizontal face provided with an integrally formed longitudinally extending housing having an open face and a slotted top, a spring pressed pawl within the housing having an upstanding pintle playing within the slotted portion of the housing, an L shaped member having a circular body portion and pivoted to the T-shaped member, the periphery of the rounded face of the body portion being provided with a plurality of slits adapted to be engaged by the pawl of the member, and a vertical face plate secured to the vertical offset of the pivoted member.

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

HARRY S. MILKS.

Witnesses:

W. S. SPENCER,
W. H. KUTZ.