

July 31, 1928.

1,679,084

R. E. HOOPER
PAD HOLDER AND RULER

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Fig. 1.

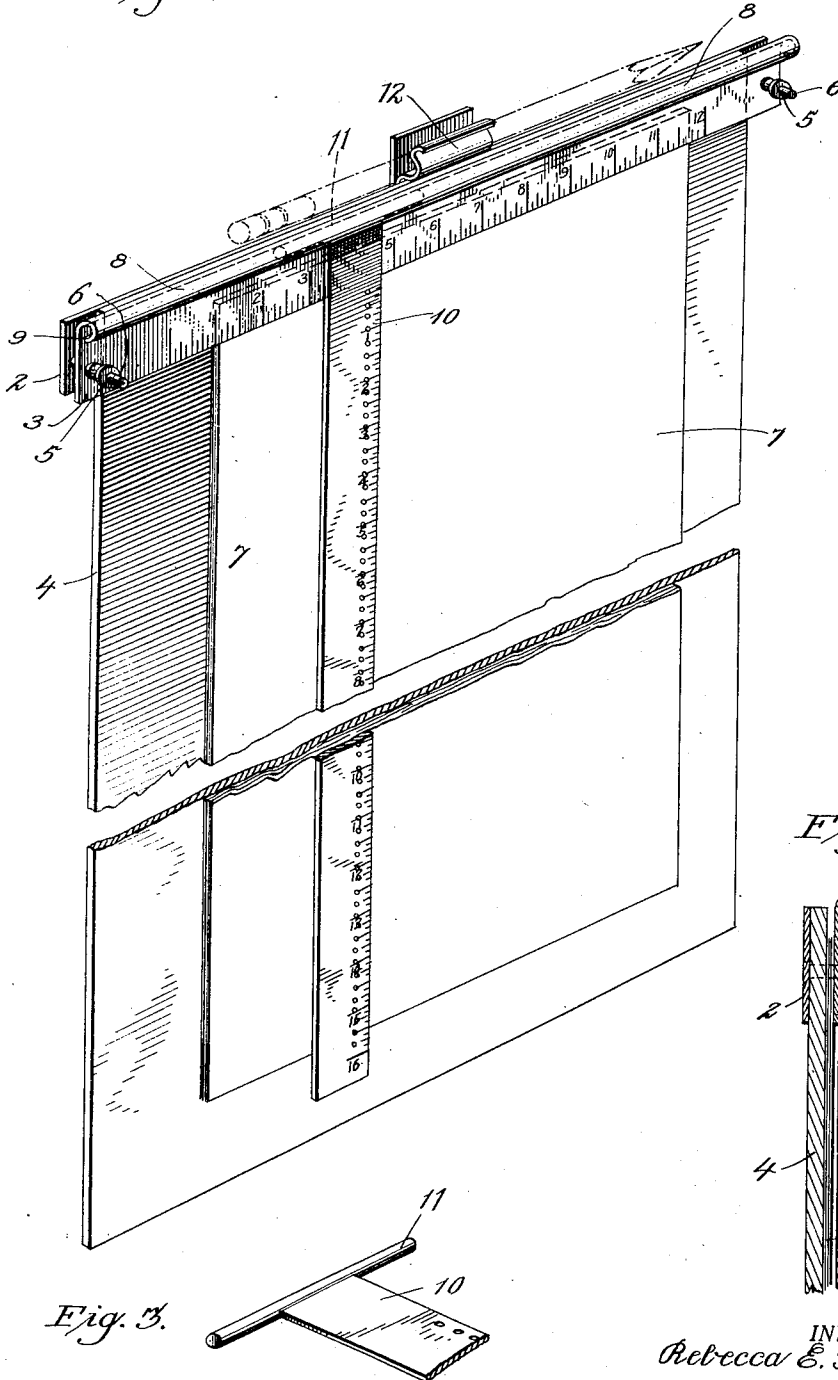


Fig. 2.

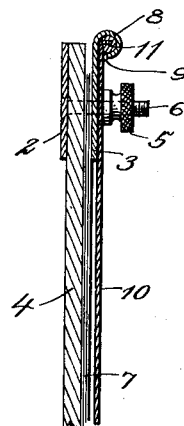
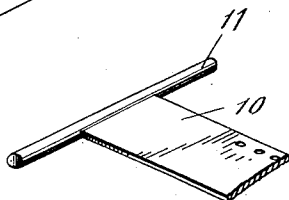


Fig. 3.



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UNITED STATES PATENT OFFICE.

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PAD HOLDER AND RULER.

Application filed October 3, 1927. Serial No. 223,586.

This invention relates to a pad holder and ruler and especially to improvements on the structure shown in my former patent entitled "Holder and ruling device for tablets," No. 1,600,545 issued September 21, 1926.

The object of the present invention is to generally improve and simplify the construction and operation of devices of the character described, and especially to provide a device of this character which may be readily attached to writing pads, tablets, etc. for use in offices, schools etc., so as to be of assistance in ruling paper as well as forming a scale and guide in making drawings as in working trigonometrical or geometrical problems and the like.

The invention, briefly stated, comprises an upper and a lower clamping bar between which a pad or the like is adapted to be clamped. It further consists in forming a special form of guide on the upper clamping bar and in providing a T-square which is adapted to be guided and retained by the guide so that the T-square may be moved transversely of the pad. The invention further embodies details of construction which, together with the above features will be better understood by reference to the accompanying drawings in which:

Fig. 1 is a perspective view of the pad holder and ruling device, said view showing a pad clamped and held in position with relation to the T-square,

Fig. 2 is a transverse section taken on line II-II, Fig. 1,

Fig. 3 is a perspective view of the upper end of the T-square.

Referring to the drawings in detail, 2 and 3 indicate lower and upper bars respectively which are adapted to engage and clamp the opposite sides of a pad holder generally indicated at 4. Threaded bolts 5 secured to the lower bar pass through perforations formed in the opposite ends of the upper bar 3 and when nuts 6 are applied, the holder 4 will be clamped and rigidly secured. A pad or several sheets of paper, such as indicated at 7, can be placed on top of the pad holder and passed under the bar 3 and as such will be secured, together with the pad holder, between the bars 2 and 3. The upper longitudinal edge of the bar 3 is curled over or bent to form a tube 8 which extends from end to end. A slot 9 is formed in this tube and a ruler

or T-square 10 extends through the slot and is slidable therein transversely of the pad. The T-square is provided with a head member in the form of a rod 11, this rod being riveted, welded or otherwise secured to the square 10, the rod 11 together with the tube 8 serving the function of guiding and securing the square 10 during its movements transversely of the pad, the movement of the T-square being limited by the nuts and bolts 5 as shown. The device illustrated may be used as an office appliance but is particularly adapted for school work, such as ruling sheets of paper or for making drawings, for instance in connection with geometrical or trigonometrical problems and the like.

The device as a whole is a simplified or improved form of construction when compared with the device shown in my former patent already referred to. It can be applied to ordinary writing tablets, pads and the like, and the use of the pad holder 4 as such is not an essential feature, the pad holder being merely employed when loose sheets of paper are applied as shown in Fig. 1. The square 10 and the lower edge of the clamping bar 3 may be provided with graduated scales so that scale drawings or definitely spaced lines may be ruled off on the pad or sheets. A spring pencil clamp such as indicated at 12 may also be employed and complete equipment is thus provided for school work of the character described.

While certain features of the present invention are more or less specifically described, I wish it understood that various changes may be resorted to within the scope of the appended claims. Similarly, that the materials and finishes of the several parts employed may be such as the manufacturer may decide or varying conditions or uses may demand.

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

1. A device of the character described comprising an upper and a lower bar, clamping means cooperating therewith to retain and secure a pad between the bars, a slotted tubular shaped guide member on the upper bar and extending substantially from end to end thereof, and a T-square having a head member formed thereon which is slidable in the slotted guide to permit trans-

verse movement of the T-square with relation to the pad.

2. A device of the character described comprising an upper and a lower bar, said upper bar being curled over along one edge to form a slotted guide tube which extends from end to end of the bar and said upper bar being also perforated at opposite ends, a pair of clamping bolts secured to the

lower bar and extending through the end 10 perforations in the upper bar to permit a pad to be clamped between the bars, a rod slidably mounted in the slotted tube, and a square secured to the rod extending through the slot and movable with the rod trans- 15 versely of the pad.

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