G. B. KYLE.

MOUNTING FOR MEASURING MACHINES.

APPLICATION FILED AUG. 14, 1919.

1,382,430. Patented June 21, 1921.

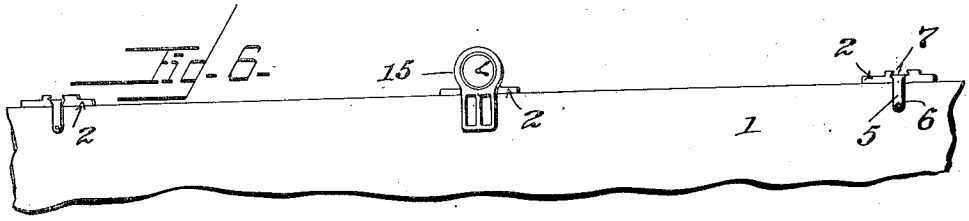


Fig. 6.

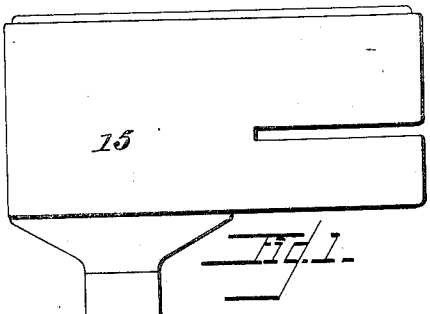
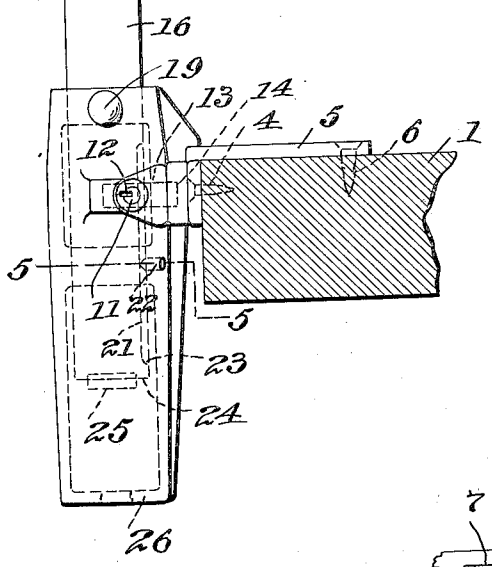


Fig. 1.



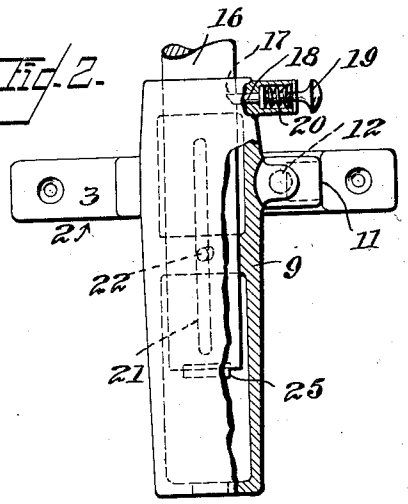


Fig. 2.

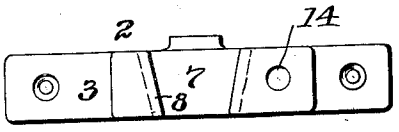


Fig. 4.

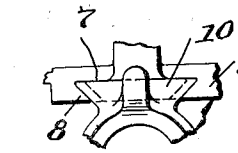


Fig. 3.

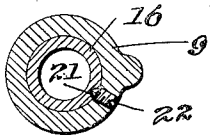


Fig. 5.

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UNITED STATES PATENT OFFICE.

GEORGE B. KYLE, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE MEASUREGRAPH COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

MOUNTING FOR MEASURING-MACHINES.

1,382,430. Specification of Letters Patent. **Patented June 21, 1921.**

Application filed August 14, 1919. Serial No. 317,419.

To all whom it may concern:

Be it known that I, GEORGE B. KYLE, a citizen of the United States, residing in the city of St. Louis and State of Missouri, have invented new and useful Improvements in Mountings for Measuring-Machines, of which the following is a specification.

This invention relates to a mounting for a fabric measuring and cost computing machine, such as used by salesmen to facilitate the measuring of cloth, ribbons and other articles sold at retail, and for computing the charge to be made to the customer.

The general object of the invention is to provide improved means for mounting such a measuring machine upon the counter, operating in such a way as to prevent the unauthorized removal of the machine from the counter, and so as to facilitate the use of the machine at different points on the counter.

The invention consists in the novel features, and in the general combination of parts to be particularly described hereinafter, all of which contribute to produce a simple and efficient mounting for measuring machines. A preferred embodiment of my invention will be particularly described in the following specification, while the broad scope of my invention will be pointed out in the appended claims.

In the drawing,

Figure 1 is a vertical section through the edge of a counter showing how my improvement is applied to the counter;

Fig. 2 is a front elevation of the bracket or fixed part of my device, certain parts being broken away and shown in cross-section;

Fig. 3 is a plan, certain parts being broken away;

Fig. 4 is a front elevation of the bracket;

Fig. 5 is a cross-section taken about on the line 5—5 of Fig. 1; and

Fig. 6 is a plan showing a counter and further illustrating the utility of my invention.

In applying my invention to a counter such as the counter 1, I prefer to provide a plurality of sockets that are preferably formed on brackets 2 which are attached at intervals along the edge of the counter. Each bracket comprises a plate 3 through which screws 4 may be applied, which pass into the edge of the counter, and near the middle part of this plate and at its upper edge, a horizontal extension or arm 5 extends back and lies on the the upper face of the counter. This arm also may be secured to the counter by means of a suitable screw 6.

I provide means for locking the measuring machine to any of these brackets. For this purpose, in the face of each plate 3, a socket 7 is formed, and these sockets are preferably of dove-tail form (see Fig. 3), that is to say, the edges 8 of the socket are undercut, and furthermore, the socket preferably tapers in width, that is to say, it is wider at its upper end than at its lower end (see Fig. 4).

In the present instance the device includes a portable holder or guide 9 for holding or carrying measuring mechanism. This holder is preferably of tubular form and has a dove-tail tongue 10 on its inner side, which is tapered to correspond with the taper of the dove-tail socket 7, so that it can be slipped into the socket from above (see Fig. 3). I provide the portable holder with locking means forming a permanent or integral part of it, for the purpose of locking it to the sockets, which means may consist of an ordinary barrel type of lock 11, having a keyhole 12 for the insertion of a key for turning the lock. The lock includes a bolt 13 (see Fig. 1), that lies in a plane at right angles to the plane of the plate 3, and the plate 3 is provided with an opening or keeper recess 14, which operates as a keeper for the bolt, that is to say, the recess 14 receives the end of the bolt, the bracket and bolt coöperating to lock the measuring machine against removal.

The measuring machine 15 is supported upon a post 16 which extends down from its underside, and this post is received in and slides in a guide 9. The side of the post is provided with a recess 17 (see Fig. 2), with which coöperates a detachable pin 18 which may be withdrawn by means of a knob 19, said pin being normally pressed toward the post 16 by means of a small coil-spring 20.

When the pin 18 is withdrawn, the post 16 can be lowered so as to hold the measuring machine 15 in a depressed position. I provide means for preventing the withdrawal of the post, and I prefer to locate this means so that when the guide is locked

to one of the brackets, this means cannot be removed, that is to say, it is inaccessible; in order to accomplish this, I prefer to provide the side of the post 16 with a longitudinal groove 21. On the side of the guide which is disposed toward the counter, I provide a small set screw 22 which may be put in place by means of a screw-driver; the point of this set screw runs in the groove 21. This groove, however, terminates at a point 23 which is above the lower end face 24 of the post, and hence the post cannot be removed without removing the screw. By reason of this arrangement, it is evident that the machine cannot be removed from the counter either with or without the guide, because it cannot be withdrawn from the guide on account of the fact that the screw 22 is inaccessible and it cannot be removed with the guide because the guide is locked to the bracket.

In order to prevent jarring the machine I prefer to provide a buffer 25 in the form of a block of elastic material, such as soft rubber which is held in the lower face 24 of the post. If the pin 18 should be withdrawn by the salesman, and he should fail to hold up the measuring machine 15, the machine would fall by gravity, but the shock of arresting its downward movement would be absorbed by the buffer 25 when it struck the bottom wall or head 26 which forms the lower end of the guide.

These brackets 2 are very inexpensive and can be placed at intervals along the counter. The guide 9 carrying with it the measuring machine may be readily unlocked from any bracket and readily attached and locked to any other bracket, thereby increasing the usefulness of the machine.

It is understood that the embodiment of the invention described herein is only one of the many embodiments my invention may take, and I do not wish to be limited in the practice of my invention nor in my claims, to the particular embodiment set forth.

What I claim and desire to secure by Letters Patent is:

1. In apparatus of the class described, the combination of a bracket having a socket, a guide having means for engaging the socket and having a lock for locking the guide to the socket and a measuring machine having a post for supporting the same, mounted to slide in the guide, the guide having means for preventing the withdrawal of said post.

2. In apparatus of the class described, the combination of a bracket constructed to be attached to a counter, and having a socket, a guide having means for engaging the socket and having a lock for locking the guide to the bracket to prevent withdrawal of the guide from the socket, a measuring machine having a post to support the same mounted to slide in said guide, and means for preventing withdrawal of said post, located on said guide in a position rendering the same inaccessible after said guide has been locked to said bracket.

3. In apparatus of the class described, the combination of a plurality of brackets supported at a distance from each other, each of said brackets having a socket, a guide having means for engaging the sockets and having a lock for locking the guide to the sockets, and a measuring machine having a post for supporting the same, mounted to slide in said guide, and means carried by said guide for preventing the withdrawal of the post.

4. In apparatus of the class described, the combination of a fixed bracket having a socket, a portable measuring machine holder constructed to fit into the socket, said bracket having a keeper recess, and a lock permanently carried by the portable holder controlled by a removable key, and having a bolt for engaging the keeper recess to lock the holder in the socket.

In testimony whereof, I have hereunto set my hand.

GEO. B. KYLE.