March 24, 1925. 1,531,160

J. TOOMEY

CUTTING IMPLEMENT

Filed May 11, 1923

Fig. 1,

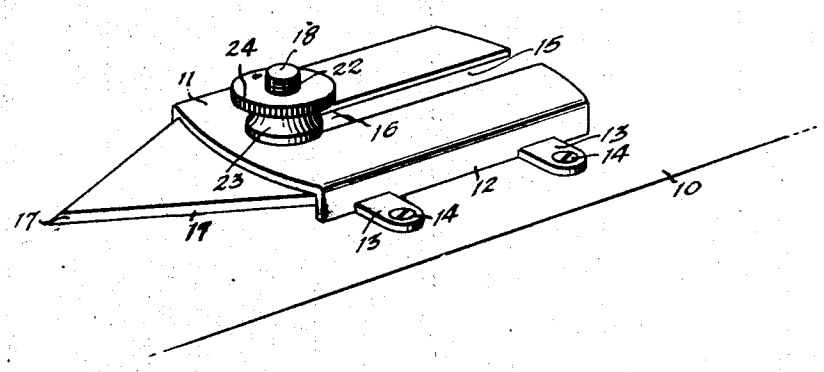


Fig. 2,

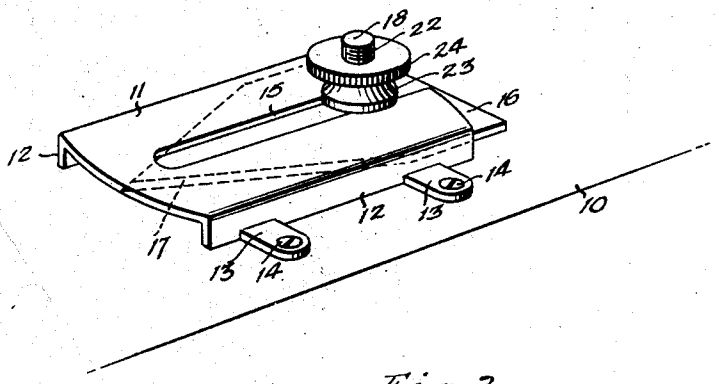
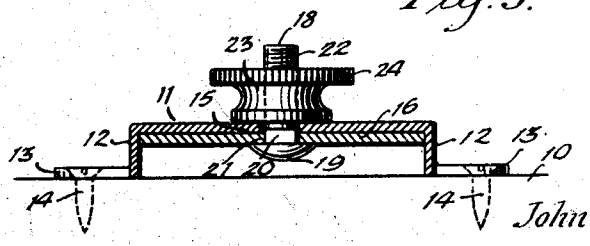


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN TOOMEY, OF COSCOB, CONNECTICUT.

CUTTING IMPLEMENT.

Application filed May 11, 1923. Serial No. 638,411.

To all whom it may concern:

Be it known that I, JOHN TOOMEY, a citizen of the United States, and a resident of Coscob, in the county of Fairfield and State of Connecticut, have invented a new and Improved Cutting Implement, of which the following is a full, clear, and exact description.

This invention has relation to cutting implements, the principal object in view residing in the provision of a cutting implement which is adapted for stationary attachment to a supporting surface such as a workbench, machine, table, bench, or the like whereby to eliminate its displacement or loss and in order that the same will always remain within convenient use of the user.

As a further object the invention contemplates a cutting implement in which the blade having cutting edges is so associated with the housing that the same may be exposed for use by projection from the housing or the sharp cutting edges covered and protected by said housing by retraction within the same when not in use.

A further object and advantage of the invention resides in the provision of a cutting implement which, due to its rigid or stationary attachment with a supporting surface, leaves the user's hands free for handling the article to be cut.

The invention is further featured by the simplicity of the construction of the device, the cheapness with which it may be manufactured and applied and the facility with which it may be employed for the purpose intended.

With the above recited and other objects in view the invention resides in the novel construction set forth in the following specification, particularly pointed out in the appended claim and illustrated in the accompanying drawing, it being understood that the right is reserved to embodiments other than those actually illustrated herein to the full extent indicated by the general meaning of the terms in which the claim is expressed.

In the drawing—

Figure 1 is a perspective view of the device in applied position to a supporting surface with the blade projected from its casing or housing to expose the cutting edges for use.

Fig. 2 is a similar view with the blade in retracted position for covering and protecting the cutting edges.

Fig. 3 is a transverse sectional view therethrough.

Referring to the drawing by characters of reference, 10 designates a supporting surface such as a bench, table, machine or the like upon which the cutting implement constituting the invention is mounted. The cutting implement consists of a housing including a plate or upper wall 11 which is provided with depending side flanges or walls 12 from its opposite longitudinal edges. Laterally projecting apertured ears 13 are provided at the lower outer sides of the side walls or flanges 12 to receive therethrough fastening elements such as screws 14 which are anchored into the supporting surface whereby the housing is stationarily or fixedly associated therewith, the upper wall or plate 11 being disposed parallel and in spaced relation thereto. The upper wall or plate 11 is provided with a central longitudinal slot 15 extending inwardly from one end thereof and terminating short of the opposite end. The implement further includes a blade 16 which is provided at one extremity with a cutting edge or edges 17. The body of the blade is of an appropriate width to snugly fit between the side walls or flanges 12. The blade is associated with the under side of the plate or upper wall 11 for longitudinal sliding movement or adjustments relative thereto by a bolt 18 having a head 19 at one end of its shank, which shank at its juncture with the head is provided with a non-circular or squared portion 20 fitted within a similarly formed opening 21 in the blade body. The remaining threaded portion 22 of the shank which projects through the slot 15 receives thereon a binding nut 23 having a knurled manipulating portion 24.

In use and operation, by loosening the nut 23 on the bolt, said nut may be employed as a manipulating handle for moving the blade longitudinally of the casing or housing. When it is desired to use the cutting edges of the blade, the same is shifted to the position illustrated in Fig. 1 for projecting the extremity provided with the cutting edges 17 beyond the end of the housing after which the nut 23 is tightened to clamp said blade against longitudinal movement. The engagement of the body of the blade with the flanges or side walls 12 precludes any possibility of lateral movement during the use of the device. When not in use, the nut

23 is loosened and the blade is moved longitudinally to retract the extremity having the actuating edges 17 within the casing or housing whereby the same will be covered and protected. When the actuating edges become dull and require sharpening, the blade, bolt or nut may be withdrawn from the casing or housing by moving the bolt through the open end of the slot 15. The bolt may be entirely removed from the blade to facilitate the sharpening of the cutting edges. It will thus be seen that a highly efficient and handy cutting implement has been provided which when associated with a supporting surface eliminates the liability of displacement or loss and leaves the user's hand free for handling the article to be operated upon by the knife.

I claim:

The combination with a bench, machine, table or the like, of a cutting implement attached to the upper supporting surface thereof comprising a member having an upper wall and depending flanges at the side edges thereof, the said upper wall having a longitudinal slot extending through one end thereof, means for securing said member to the supporting surface to define with said supporting surface a housing open at its opposite ends, a blade member arranged for sliding movement within the housing having cutting edges at one of its ends, a threaded stem carried by said blade and extending through the slot in the upper wall of the housing, and a nut engaged on said threaded stem constituting a manipulating knob for projecting the cutting edge of the blade from one end of the housing or for retracting the same to lie within the housing, said nut further constituting means for clamping the blade in its retracted or projected positions.

JOHN TOOMEY.