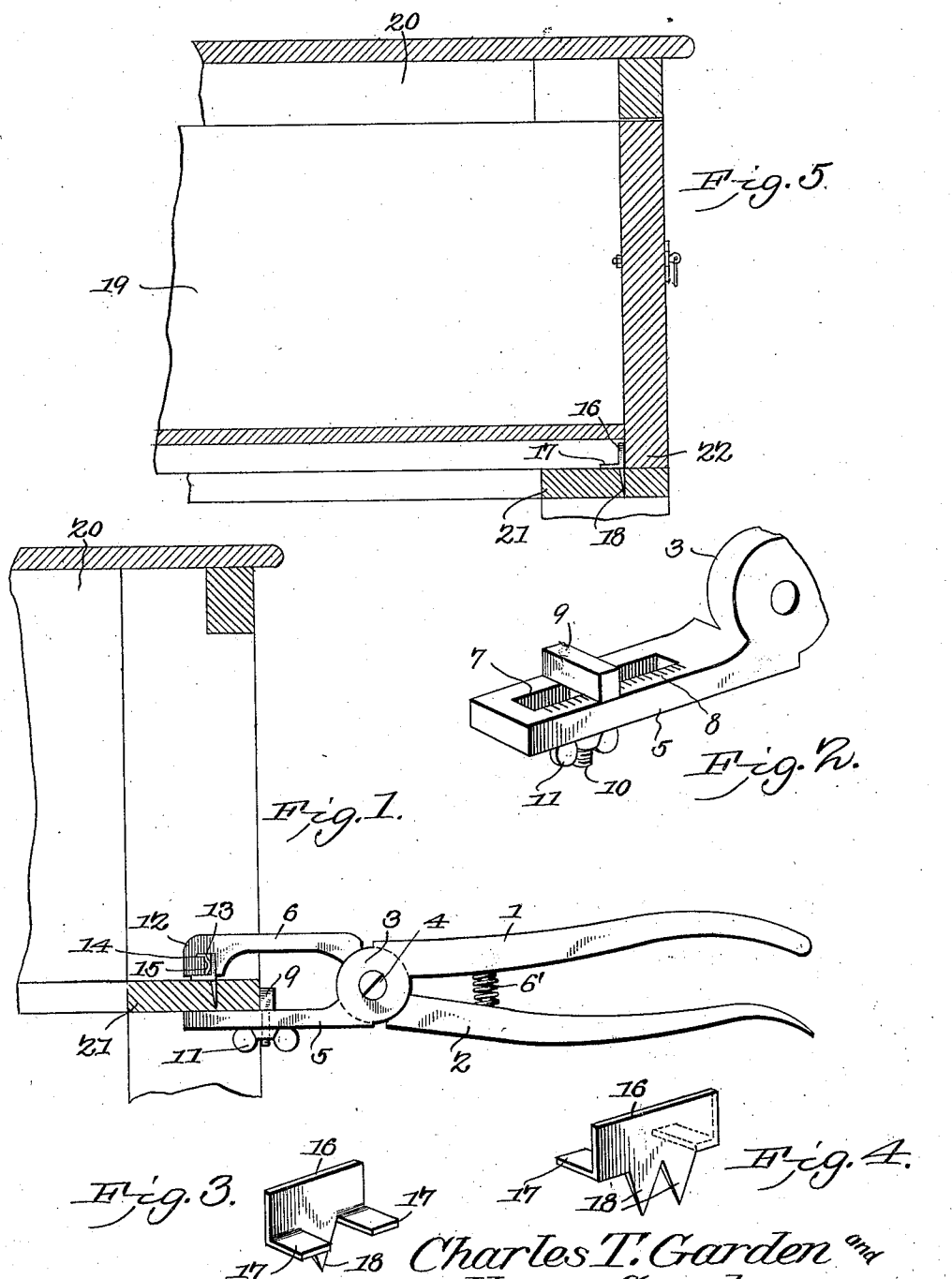


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PATENTED JUNE 19, 1906.

C. T. & H. GARDEN.
TOOL FOR SETTING DRAWER STOPS.
APPLICATION FILED JUNE 20, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES T. GARDEN AND HARRY GARDEN, OF MACON, GEORGIA.

TOOL FOR SETTING DRAWER-STOPS.

No. 823,721.

Specification of Letters Patent.

Patented June 19, 1906.

Application filed June 20, 1905. Serial No. 266,187.

To all whom it may concern:

Be it known that we, CHARLES T. GARDEN and HARRY GARDEN, citizens of the United States, residing at Macon, in the county of Bibb and State of Georgia, have invented a new and useful Tool for Setting Drawer-Stops, of which the following is a specification.

This invention is a tool for setting drawer-stops; and its object is to provide a new and useful device of this character capable of being conveniently manipulated by hand and arranged to carry the drawer-stop preparatory to and during the setting operation.

A further object of the invention is to equip the device with a gage for use in accurately placing the drawer-stops at different predetermined positions.

With these and other objects in view the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a view showing the tool of the present invention in the act of setting a drawer-stop in a rail of a table or the like, portions of the table being in section to disclose the tool. Fig. 2 is an enlarged detail perspective view of the gage-jaw of the tool. Figs. 3 and 4 are detail perspective views of different forms of drawer-stops. Fig. 5 is a sectional view of a drawer and adjacent portions of the table with a drawer-stop set in position by the tool of the present invention and the drawer in engagement with the stop.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

The present implement includes two levers or handle members 1 and 2, which are crossed, and each lever being provided with a knuckle 3, registering with the knuckle of the other lever and pierced by a pivot connection 4, the forward ends of the levers being formed into the respective jaws 5 and 6, which are normally held in open or distended position by means of a coil-spring 6', interposed between the handles 1 and 2, as shown. The jaw 5 is flat throughout its inner face and

provided with a longitudinal slot 7, there being a linear scale 8 provided upon the inner face of the jaw at one edge of the slot. A gage-block 9 extends transversely across the inner face of the slotted jaw 5 and is provided with a threaded stem 10, which works in the slot and has a thumb-nut 11 engaging the outer side of the jaw, whereby the gage-block may be held in any adjusted position. The other jaw 6 is provided at its outer free end with a laterally-enlarged head 12, projected at the inner face of the jaw and provided with a transverse slot or recess 13, which is provided at its inner end with a lateral extension 14 to receive the shank of a bowed spring 15, the latter lying in the slot or recess 13 at one side thereof.

Two forms of the drawer-stop upon which the present tool is designed to operate have been shown in Figs. 3 and 4 of the drawings, each form being produced from a single blank of sheet metal and includes an upstanding body portion 16, which is cleft through its lower edge and has its lower terminal portions bent at substantially right angles to the body 16, so as to form bracing-ears 17, the lower portion of the blank between the ears 17 being formed into one or more pointed spurs or prongs 18, the number of such spurs or prongs depending upon the length of the stop.

In using the present tool, the body portion of one of the stops is inserted into the seat or recess 13 with its ears 17 against the under side of the head 12, the stop being held upon the jaw by the pressure of the spring 15. The drawer, a conventional form of which has been shown at 19 in Fig. 5 of the drawings, is then removed from the table, desk, or other article of furniture, (designated 20,) whereupon the jaws of the tool are placed astraddle of the front cross-rail 21 of the desk and the handles or levers 1 and 2 pressed together, so as to force the prongs or spurs of the stop into the upper face of the rail 21 at a suitable distance in rear from the front edge thereof, which is determined by the position of the gage-block 9. After the prong or prongs of the stop have thus been set into the rail the handles or levers 1 and 2 are separated, so as to separate the jaws 5 and 6 and permit removal of the tool, the stop of course remaining upon the rail. The drawer is then replaced, as in Fig. 5, and is limited in its inward or rearward movement by reason of the bottom portion 22 of the front of the

drawer beneath the bottom thereof striking against the stop.

From the foregoing description it will be understood that the tool of the present invention is very simple, inexpensive, and readily manipulated by hand without requiring any particular degree of skill or experience. Moreover, the tool is arranged to enable the application of the stop thereto and to effectually hold the stop upon the tool until said stop has been set into the rail. Also there is a gage which may be conveniently adjusted so as to accurately set the stop at any predetermined distance in rear of the front edge of the rail.

Having fully described the invention, what is claimed is—

1. A tool of the character described comprising a pair of handle-controlled pivotally-connected jaws, one of the jaws being provided in its inner face with a work-receiving seat having a lateral recess communicating

therewith, and a spring one end of which is seated in the lateral recess and its opposite end disposed within the work-receiving seat. 25

2. A tool of the character described, comprising a pair of pivotally-connected handle-controlled jaws, one of the jaws being provided in its inner face with a work-receiving seat having a lateral recess communicating therewith, a spring seated in the lateral recess and having its intermediate portion bowed and disposed within the work-receiving seat, and a gage carried by the inner face of the other jaw and adjustable with respect to the seat. 30 35

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

CHARLES T. GARDEN.
HARRY GARDEN.

Witnesses:

JOHN E. WIKON,
T. W. ALLISON.