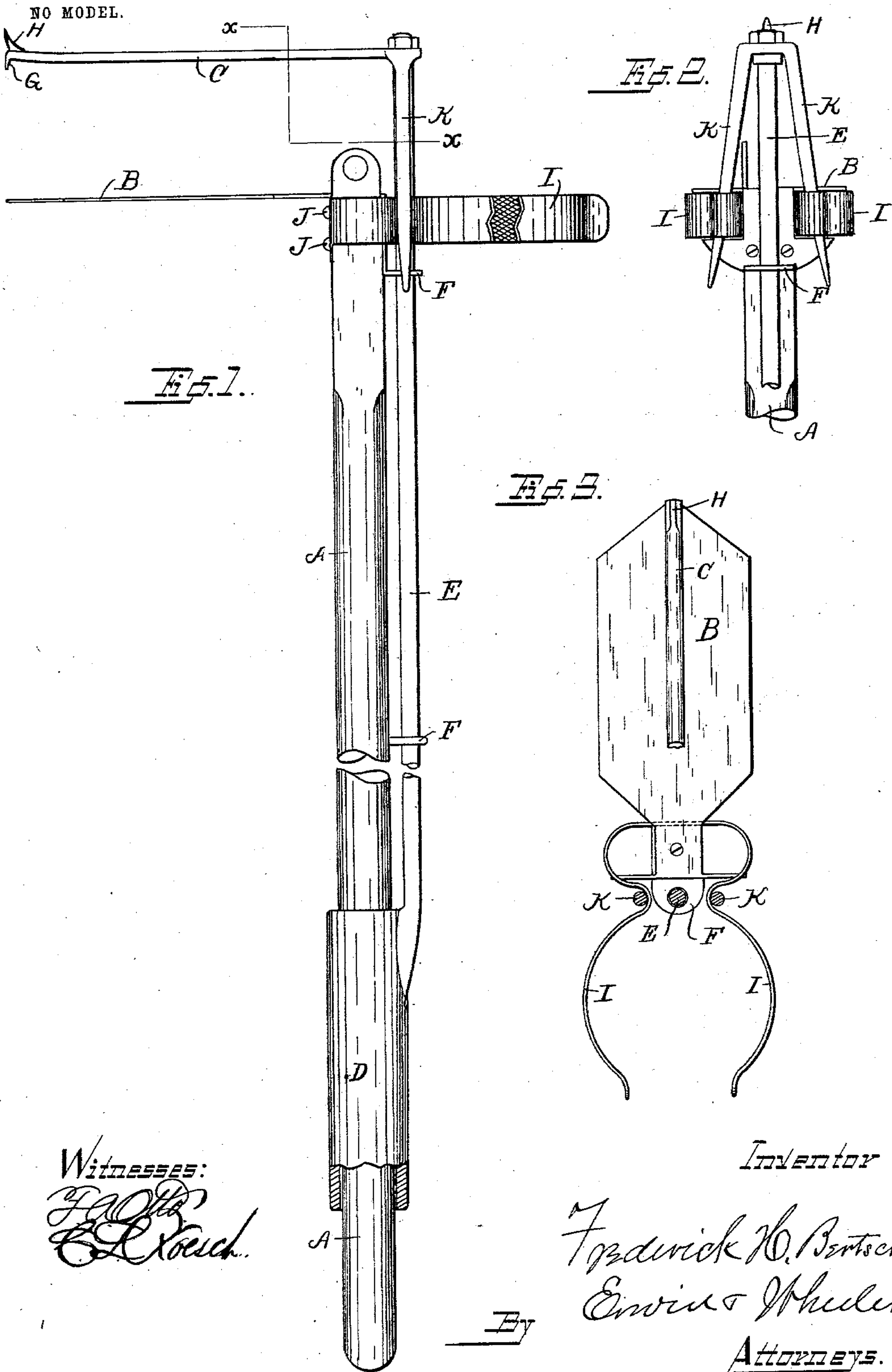


No. 744,157.

PATENTED NOV. 17, 1903.

F. H. BERTSCHY.
TOOL FOR REACHING STORE GOODS,
APPLICATION FILED AUG. 18, 1902.



UNITED STATES PATENT OFFICE.

FREDERICK H. BERTSCHY, OF SPLITROCK, WISCONSIN, ASSIGNOR TO C. L. BROWNELL, OF SPLITROCK, WISCONSIN.

TOOL FOR REACHING STORE GOODS.

SPECIFICATION forming part of Letters Patent No. 744,157, dated November 17, 1903.

Application filed August 18, 1902. Serial No. 120,002. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK H. BERTSCHY, a citizen of the United States, residing at Splitrock, county of Shawano, and State of Wisconsin, have invented new and useful Improvements in Tools for Reaching Store Goods, of which the following is a specification.

The object of my invention is to provide a combined tool to be used in stores for reaching and taking down different kinds, styles, and shapes of merchandise which are suspended from hooks or supported upon shelves, &c., and which are located beyond the reach of a person; and it pertains to the combination and arrangement of the several parts for grasping and holding the goods while they are being lowered.

The construction of my invention is explained by reference to the accompanying drawings, in which—

Figure 1 represents a side view of my invention. Fig. 2 represents a front view of the upper end of the device shown in Fig. 1, and Fig. 3 represents a top view drawn on line *xx* of Fig. 1.

Like parts are identified by the same reference-letters throughout the several views.

A represents a reaching-staff to which the grasping mechanism for lowering goods is attached. To the upper end of the staff A is attached a rigid plate B, which is preferably made of thin metal and is arranged at right angles to the staff. The plate B is adapted to be inserted beneath a bolt of cloth or other similar goods which it is desired to remove from the shelf. When the plate B is inserted beneath the goods, the goods are clamped and held firmly in place thereon by drawing down the clamping-bar C, which engages upon the upper side of the bolt or parcel. The clamping-bar C is operated from the lower end of the staff A by drawing downwardly upon the slide D, which slide is connected with said bar C through the connecting-rod E. The connecting-rod E is slidably supported from the staff A by retaining loops or staples F F and slide D. The outer end of the bar C is preferably provided with a downwardly-projecting bend G, which is adapted to engage in the parcel to be removed, and it is also provided with an upwardly-projecting lug H, which is adapted to engage with the bail of a pail or other receptacles which may be sus-

pended from hooks along the walls and ceiling of a store and prevent them from dropping from the bar C.

For the purpose of grasping and handling cylindrically-shaped vessels—such as fruit-jars, lamp-chimneys, globes, &c.—I have provided my device with elastizing clamping-arms I I, which are centrally connected to the upper end of the staff by screws J, their front ends preferably terminating outwardly, so as to be thrown apart by contact with the article to be grasped therein. The arms I I when placed around the article to be removed are drawn toward each other and caused to firmly grasp such article by drawing down the converging arms K K, which arms K are rigidly secured at their upper ends to the upper end of the operating-rod E, while their lower ends engage upon the outer sides of the respective clamping-arms I and cause such arms to be drawn toward each other by such downward movement, while said arms I are thrown apart by their own elasticity as said operating-rod and converging arms are moved in the opposite direction.

It will of course be understood that the operating-rod E is raised and lowered by raising and lowering the slide D upon the staff A.

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

A tool for reaching store goods, comprising a reaching-shaft, a plate rigidly secured at right angles thereto, a movable clamping-bar supported parallel with said plates from an operating-rod; parallel elastic clamping-arms rigidly connected at one end with the upper end of said reaching-shaft, two vertically-arranged arms rigidly connected at their upper ends to the upper end of said operating-rod and having their lower ends diverging outwardly and engaging upon the respective outer side of said elastic clamping-arms whereby said operating-rod is adapted when drawn downward to simultaneously actuate said clamping-bar and elastic clamping-arm, substantially as and for the purpose set forth.

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

FREDERICK H. BERTSCHY.

Witnesses:

JAS. B. ERWIN,
C. L. ROESCH.