No. 629,586. Patented July 25, 1899.

F. McINTYRE.

BOX OR CASE.

(Application filed June 8, 1899.)

(No Model.)

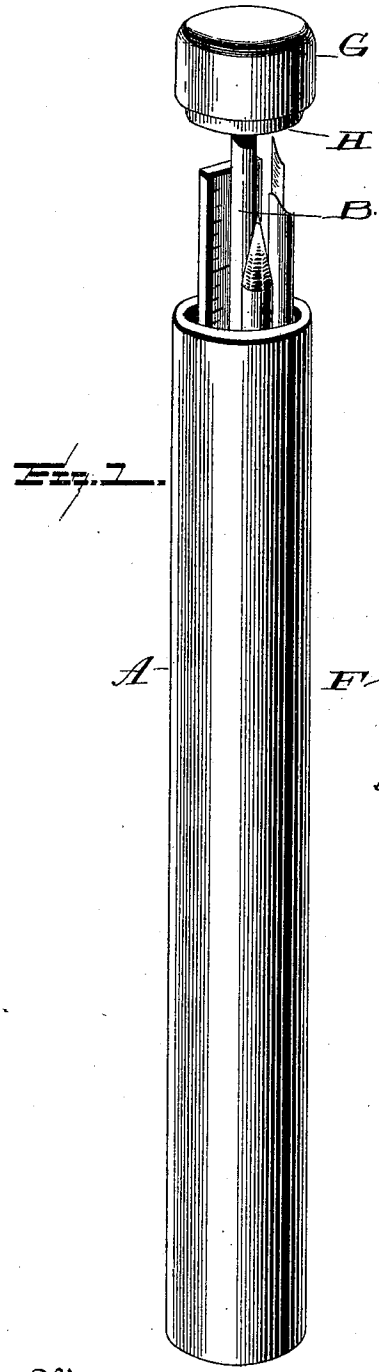


Fig. 1.

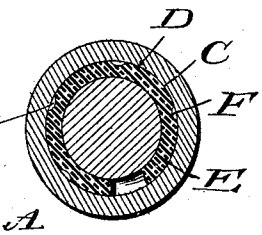


Fig. 3.

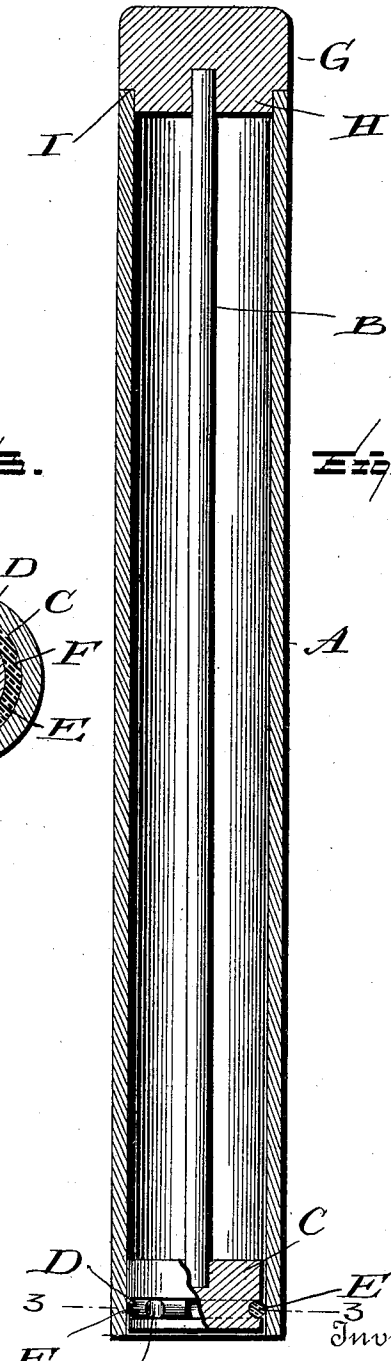


Fig. 2.

Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK McINTYRE, OF NEW YORK, N. Y., ASSIGNOR TO THE EAGLE PENCIL COMPANY, OF NEW YORK.

BOX OR CASE.

SPECIFICATION forming part of Letters Patent No. 629,586, dated July 25, 1899.

Application filed June 8, 1899. Serial No. 719,800. (No model.)

To all whom it may concern:

Be it known that I, FRANK McINTYRE, a citizen of the United States, residing in the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Boxes or Cases, of which the following is a specification.

The invention relates to boxes or cases, and has been designed with more particular reference to the requirements of that class known to the trade as "scholars' companion" boxes, and is adapted to receive and hold pencils, penholders, rulers, &c.

The nature of my invention and the manner in which the same is arranged and constructed can best be explained and understood by reference to the accompanying drawings, in which—

Figure 1 is a side view of a box or case embodying my invention. Fig. 2 is a longitudinal central section of the same. Fig. 3 is a transverse section on line 3 3, Fig. 2.

In the accompanying drawings, A is the case or box, made preferably circular in cross-section, of suitable length and diameter, and having a circular-shaped longitudinal opening extending from end to end thereof.

B is a rod of about the same length as the box or case and somewhat smaller in diameter than the center opening therein, and when held in position in the box or case by the end stoppers or disks, hereinafter to be described, there is sufficient space in the box or case for the reception of pencils, penholders, rulers, &c.

C is a stopper or disk of a size to close the central opening at the lower end of the box and yet to permit of free movement into and out of the box or case A, and it is provided with a central orifice, by means of which it is secured upon the lower end of rod B. It is also provided with a circular groove D, into which is placed a split ring E, of hard rubber or other suitable material, which is preferably formed with notches F at suitable intervals upon its periphery to overcome any undue friction and serves to insure the easy insertion and withdrawal of the stopper C into and from the box or case.

At the upper or opposite end of the rod B is suitably secured a second stopper G, which is cut away at its under side to form a circular part H and a shoulder I, the part H being slightly smaller in circumference than the central opening in the box or case and is adapted when in position to extend thereinto a short distance, while the upper part of the stopper G is preferably of a size about equal to the outside circumference of the box or case, and when in position the shoulder I brings up against the rim of the box or case A and prevents the further entrance of the stopper into the same.

A box or case made in accordance with my invention is light and durable and can be cheaply manufactured, and the parts are so constructed and adjusted that such articles as above referred to can be inserted or removed or inspected without entirely withdrawing the rod and lower stopper from the case or box.

Having described my invention and the manner in which the same is or may be carried into effect, what I claim herein as new, and desire to secure by Letters Patent, is—

1. A box or receptacle provided with a central longitudinal opening, a rod having a stopper or disk secured at its lower end and movable longitudinally in said opening, and a stopper or disk secured at the upper or opposite end of said rod to close the box or case, substantially as and for the purposes hereinbefore set forth.

2. A box or receptacle provided with a central longitudinal opening, a rod having a stopper or disk secured at its lower end and movable longitudinally in said opening, and a stopper or disk, secured at the upper or opposite end, of said rod, and cut away at its under side to form a circular part H and a shoulder I to close the case or receptacle, substantially as and for the purposes hereinbefore set forth.

3. A box or receptacle provided with a central longitudinal passage, a rod, a stopper or disk having a groove D formed in its periphery and secured to the lower end of said rod, an antifriction device fitting in said groove, and a stopper or disk secured to the upper or opposite end of said rod, substantially as set forth.

In testimony whereof I have hereunto set my hand this 1st day of June, 1899.

FRANK McINTYRE.

Witnesses:
SAMUEL KRAUS,
P. H. BUCKMASTER.