

G. H. RIVES.
 DEVICE FOR FACILITATING THE COUNTING OF NOTES, DEALING OF CARDS, &c.
 APPLICATION FILED FEB. 8, 1912.

1,040,761.

Patented Oct. 8, 1912.

Fig. 1:

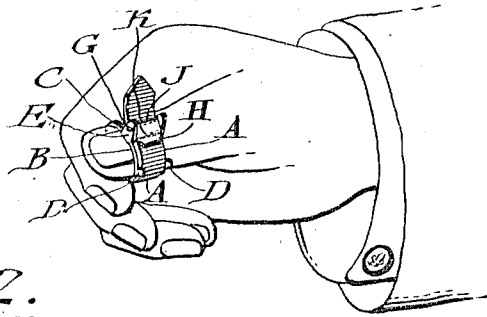


Fig. 2.

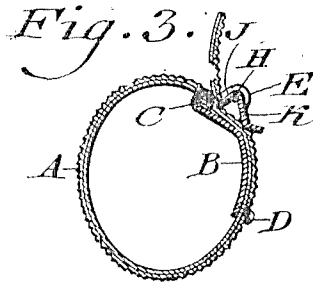
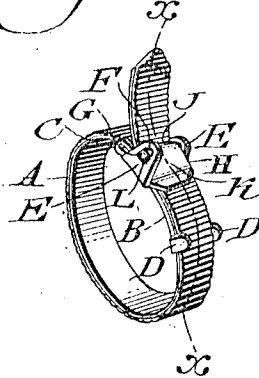


Fig. 4.

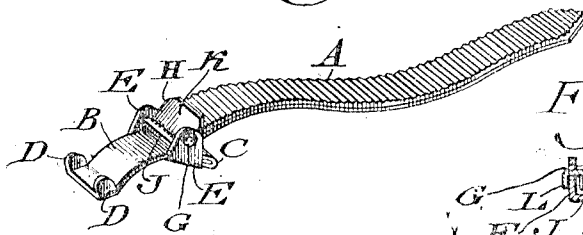
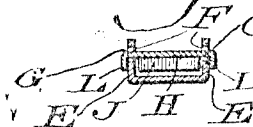


Fig. 5.



WITNESSES

P. F. Nagle.

L. Douville.

BY

INVENTOR
George H. Rives.
Anderson & Fairbank.
 ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE H. RIVES, OF BROOKLYN, NEW YORK.

DEVICE FOR FACILITATING THE COUNTING OF NOTES, DEALING OF CARDS, &c.

1,040,761.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed February 8, 1912. Serial No. 676,341.

To all whom it may concern:

Be it known that I, GEORGE H. RIVES, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Device for Facilitating the Counting of Notes, Dealing of Cards, &c., of which the following is a specification.

My invention consists of a device for facilitating the counting of bank notes, dealing of cards, assorting mail matter, moving of leaves, sheets, etc., the same embodying a strap of frictional material adapted to be converted into a finger stall, a bed with which said strap is connected, a guard on the plate for preventing lateral displacement of the strap, and a tongue pivotally mounted on said bed adapted to lock the strap in the adjusted size of said stall, the strap being also of novel construction.

The invention is satisfactorily illustrated in the accompanying drawing, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a perspective view of a device or implement embodying my invention in position on a hand. Fig. 2 represents a perspective view thereof on an enlarged scale. Fig. 3 represents a section thereof on line X—X Fig. 2. Fig. 4 represents a perspective view of the device in opened-out condition. Fig. 5 represents a transverse section of certain members shown in Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings:—A designates a band or strap preferably of rubber and fibrous material rendering the strap frictional on its face without being so highly elastic in its nature as to stretch and buckle when in use. This forms a strap of frictional comparatively non-stretchable reinforced material.

B designates a curved or segmental plate of metal or other suitable rigid material, one end of which is turned up and back of itself forming the clamp C between which and the adjacent portion of the plate one end of the strap is received and firmly connected with the plate. On the other end of said plate on the sides thereof are the lips D which are turned up from said plate at an

angle thereto and form guides and guards for the strap, as will be hereinafter more fully explained.

On the plate intermediate of its ends are the ears E which are turned up from said plate at an angle thereto and having therein openings F to receive the axle G of an angular tongue H, one limb J of which is adapted to engage the adjacent portion of the strap which is passed under said limb and the other limb K constitutes a finger piece which is adapted to operate the tongue so as to turn it in opposite directions for placing it in operative and inoperative positions.

It will be seen that the strap is placed over the plate B and passed under the limb J in the thrown out condition of the tongue, there being a space between said limb and the adjacent portion of the plate to receive the strap. The strap and the short segmental plate B are thus converted into a ring or stall, the diameter of which is adjusted to the size of the thumb or finger that it is to occupy. Then the tongue is turned whereby the limb is forced eccentrically against the strap, thus locking and controlling the latter and preserving the shape of the ring or band. The device is then applied to the thumb or finger as in Fig. 1, when the plate B sustains the contiguous portion of the strap, as a bed therefor, and provides a certain amount of rigidity for the same, while also forming a firm support on the thumb or finger, it conforming to the curvature of the latter, and so setting nicely in position.

The lips D embrace the side edges of the adjacent portion of the strap and prevent lateral displacement of the latter from the plate, while one end is fixed to the plate and so retains its connection therewith, it being seen that as the strain on the ring or stall from within due to the thumb or finger causes the tongue to hold more tightly on the strap and prevent slipping of the latter and change of adjustment in the ring or stall as formed.

The strap is confined between the lips D, whereby it may be guided true under the tongue or clamp H through the bed plate and prevented subsequently from shifting laterally at what may be termed its side. The free end of the strap extends beyond said tongue and so can be pulled upon to contract and tighten the ring on the thumb or finger and to adjust the same for use upon different sizes of the latter.

In operation, the device frictionally contacts with the uppermost note, card, sheet, leaf, etc., and as the hand is moved say to the right, the device shifts said note, card, etc., after the manner of counting, dealing, etc., in a rapid, convenient and easy manner without slipping, while the ring or stall will not buckle in its contact with the note, card, etc., it being sufficiently elastic to be highly frictional but limited in stretching so that under circumstances it takes a firm and somewhat flat hold of the note, card, etc., while the thumb or finger is delicate in its touch on the latter owing to the strap portion of the device contacting with the inner face of the thumb or finger, said portion being pliable both as to its occupation on the thumb or finger and its contact with the note, card, etc.

The ends of the axle or journal G are extended outside of the ears E and turned on themselves forming the limbs L, which freely overlap the walls of the openings in said ears which are occupied by said axle serving to firmly connect the axle with said ears and preventing spreading of the latter, while admitting of the substitution of a new axle when required.

Attention is directed to the fact that owing to the construction of the strap of two-part material viz., elastic and non-elastic, the stretching qualities of the strap are comparatively destroyed, yet there is sufficient pliability in the strap and a highly frictional nature of the elastic facing of the same to render efficient service of the device when in use while the non-elastic backing of fibrous material also strengthens said facing and so increases the durability of the device.

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

1. In a device of the character stated, a bed plate, a frictional strap secured at one end thereto and adapted to form a thumb or finger stall therewith, one end of said strap being free for adjustment to varying sizes of fingers, means on said plate for controlling the free end of said strap on said bed, and means on the plate at a distance from said controlling means for freely embracing the side edges of said strap forming lateral guards for the strap.

2. A device for the purpose stated comprising a strap of frictional material, a segmental bed plate with which one end of the same is permanently connected, said plate and strap being adapted to form a thumb or finger stall, and a movable tongue on said plate adjacent the fixed end of the strap adapted to tighten against the free end portion of said strap in its stall-shape formation, said portion being adapted to be passed adjustably through the space between said tongue and plate and beyond the fixed end of the strap.

3. A device for the purpose stated comprising a strap of frictional material, a bed plate with which one end of the same is permanently connected, said plate and strap being adapted to form a thumb or finger stall, a movable tongue on said plate adjacent the end of the strap adapted to tighten against the free end portion of said strap, said portion being adapted to be passed adjustably through the space between said tongue and plate and beyond the fixed end of the strap.

4. A device for the purpose stated comprising a strap of frictional material, a bed plate with which one end of the same is permanently connected, the other end of said strap being free for adjustment said plate and strap being adapted to form a thumb or finger stall, a movable tongue on said plate adjacent the fixed end of the strap adapted to tighten against the free end portion of said strap, and lips on the sides of said plate at a distance from said tongue forming lateral guides and guards for said strap.

5. In a device of the character stated, a frictional strap, a bed plate to which one end of said strap is permanently secured, ears on said plate, and a pivotal tongue on said ears, the journals of said tongue freely occupying openings in said ears and having their terminals extended beyond said ears provided with limbs angularly thereon, the same freely overlapping the walls of the openings occupied by said journal.

GEORGE H. RIVES.

Witnesses:

W. L. AUSTIN,
A. J. MOSBOURN.