

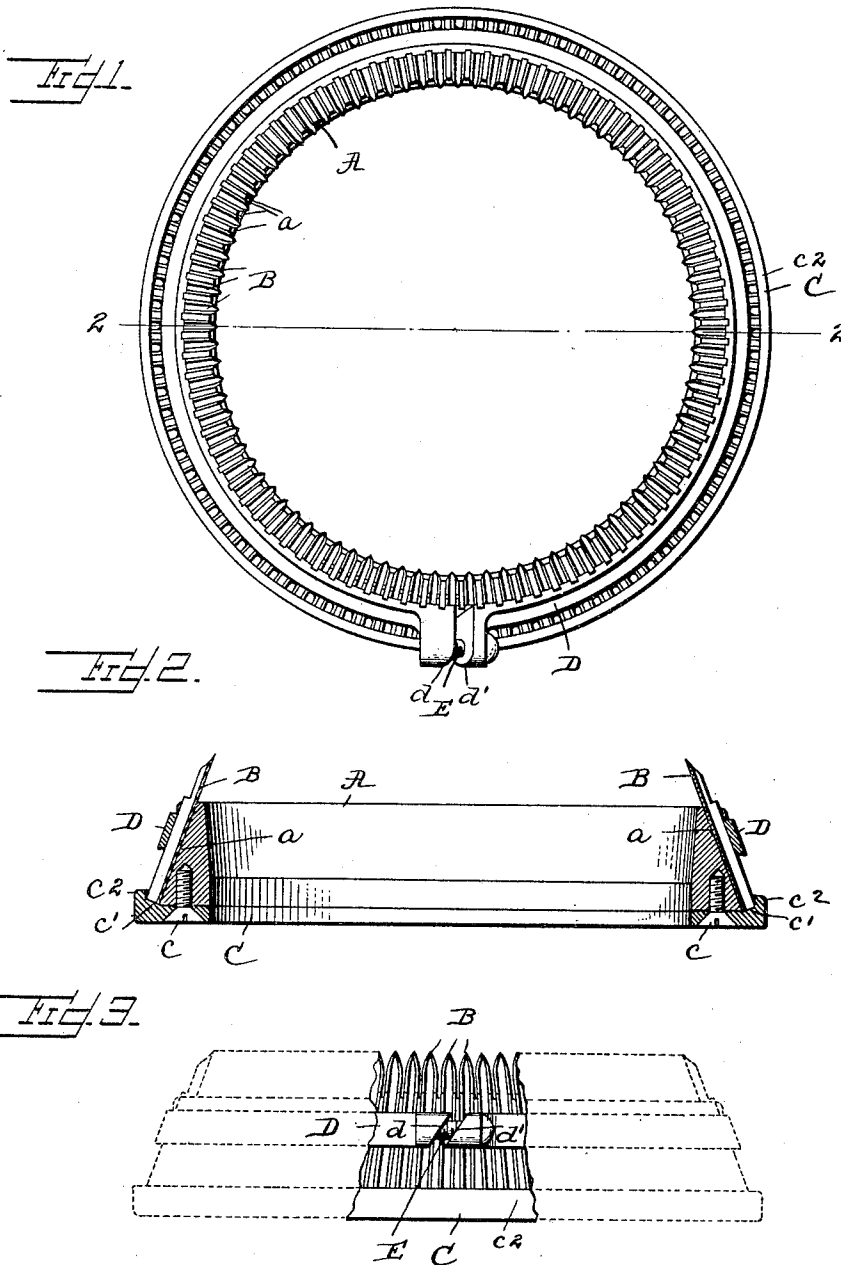
No. 673,873.

Patented May 14, 1901.

H. A. HOUSEMAN.
HOLDER FOR TRANSFER POINTS.

(Application filed Jan. 8, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARRY A. HOUSEMAN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
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HOLDER FOR TRANSFER-POINTS.

SPECIFICATION forming part of Letters Patent No. 673,873, dated May 14, 1901.

Application filed January 8, 1901. Serial No. 42,535. (No model.)

To all whom it may concern:

Be it known that I, HARRY A. HOUSEMAN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Holders for Transfer-Points, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to certain improvements in the holder for the transfer-points whereby these points are held in proper position while being used and yet the renewal and replacement of a point or points may be readily accomplished.

The improvement forming the subject-matter of my invention will be better understood by reference to the accompanying drawings, in which—

Figure 1 is a plan view of a transfer device embodying my invention. Fig. 2 is a section on line 2 2, Fig. 1. Fig. 3 is a partial side elevation showing a portion of the split ring.

A is the transfer-point cylinder, having grooves *a*, corresponding in number to the transfer-points B. These points are inserted in these grooves *a*. Surrounding the base of the transfer-point cylinder is the ring or cap C. This ring or cap is secured to the base by screws *c*. This ring or cap C closes the bottom of the grooves *a*. It has the inclined ledge *c'* and the flange *c''*, which together hold the

lower ends of the points in position. Surrounding the cylinder is the split ring D. The ends of this split ring are inclined, as shown at *d d'*. The split ring is secured upon the cylinder by means of the screw E. By providing the split ring with inclined ends, as shown, when it is in position upon the cylinder all of the grooves are covered by the metal ring even if the two ends of the ring D be not in actual contact. This split ring prevents the points from moving or being moved outward in the grooves *a*. When it is desired to remove one or more of the points, the split ring D is separated and removed from the cylinder and the upper portion of the points B moved outward until the lower end of the point or points is moved beyond ledge *c'*, when they can readily be removed.

Having now fully described my invention, what I claim, and desire to protect by Letters Patent, is—

In a transfer device, of the character described, in combination with the transfer-cylinder of a split ring having inclined ends surrounding the exterior of the transfer-cylinder.

In testimony of which invention I have hereunto set my hand, at Philadelphia, Pennsylvania, on this 2d day of January, 1901.

HARRY A. HOUSEMAN.

Witnesses:

M. F. ELLIS,
M. M. HAMILTON.