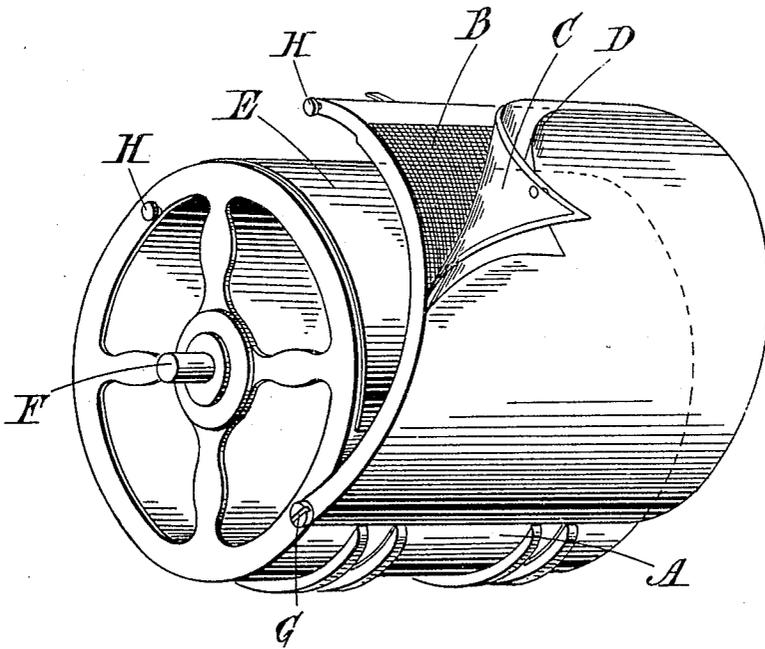


No. 856,444.

PATENTED JUNE 11, 1907.

MELION J. D. CARTER.  
ROTARY DUPLICATOR.  
APPLICATION FILED MAR. 12, 1907.



Witnesses:  
C. H. Taylor  
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Attys.

# UNITED STATES PATENT OFFICE.

McION JAMES DOUGLAS CARTER, OF LONDON, ENGLAND.

## ROTARY DUPLICATOR.

No. 856,444.

Specification of Letters Patent.

Patented June 11, 1907.

Application filed March 12, 1907. Serial No. 361,989.

*To all whom it may concern:*

Be it known that I, McION JAMES DOUGLAS CARTER, a subject of the King of England, and residing in London, England, have invented certain new and useful Improvements in Rotary Duplicators, of which the following is a specification.

This invention relates to rotary duplicators and has particular reference to improvements in the construction of the stencil-carrier, the object being to prevent the creasing and breaking of the delicate stencil which now commonly arises owing to its having to be frequently removed from the cylinder in order to supply fresh ink to the pad.

Hitherto it has been customary to place the stencil, which is usually made of a piece of waxed paper, on to a piece of fabric or cloth which constituted the ink pad; when fresh ink had to be applied, this fabric had to be removed from the cylinder and the ink applied to the back of it. This had the effect of creasing or cracking the stencil, and the object of the present invention is to avoid this.

According to the present invention the rotating cylinder or other form of stencil-carrier is provided with a removable segment to carry the stencil, so that the ink can be applied to the pad at the back of the stencil without removing it from its seating whereby the creasing and cracking of the stencil is avoided.

Preferably the stencil (backed with an absorbent pad to receive the ink) is stretched on a segment of permeable or porous material such as wire gauze, or a perforated sheet of metal or other material hinged or otherwise connected to the cylinder.

One construction of stencil-carrier embodying the present invention is shown in perspective in the accompanying drawing.

On the cylinder A which is adapted to turn on trunnions F is a segment of perforated metal B hinged at G and provided at H with any suitable catch to connect it to the cylinder in operative position. The segment B carries on its outer surface an inking pad C of a fabric or cloth on which is stretched the stencil D. An ink-absorbing pad E is attached to the cylinder.

To apply ink to the duplicator, the hinged segment is opened out and the necessary supply of ink is brushed or otherwise distributed on the back of the perforated metal segment. An advantage of this arrangement

is that an extra supply of ink may be applied to any part of the segment according to the requirements of the stencil.

Obviously any other method of hinging or joining the removable segment to the cylinder is within the present invention.

What I claim as my invention and desire to secure by Letters Patent is:—

1. In a rotary duplicator the combination of a stencil carrying cylinder, a removable segment thereon, an inking pad on the outer surface of the segment, and a stencil sheet stretched over the pad whereby the back of the stencil pad can be rendered accessible for inking purposes without removing the stencil from its seating.

2. In a rotary duplicator the combination of a stencil carrying cylinder, a removable segment thereon of porous material, an inking pad on the outer surface of the segment, and a stencil sheet stretched over the pad whereby the back of the stencil pad can be rendered accessible for inking purposes without removing the stencil from its seating.

3. In a rotary duplicator the combination of a stencil carrying cylinder, a removable segment thereon of porous material, secured when in operative position to the cylinder by catches, an inking pad on the upper surface of the segment, and a stencil sheet stretched over the pad whereby the back of the stencil pad can be rendered accessible for inking purposes without removing the stencil from its seating.

4. In a rotary duplicator the combination of a stencil carrying cylinder, a removable segment thereon of porous material, hinged to the cylinder, and secured when in operative position to the cylinder by catches, an inking pad on the outer surface of the segment, and a stencil sheet stretched over the pad whereby the back of the stencil pad can be rendered accessible for inking purposes without removing the stencil from its seating.

5. In a rotary duplicator the combination of a stencil carrying cylinder, an ink absorbing pad attached thereto, a removable segment thereon of porous material, an inking pad on the outer surface of the segment, and a stencil sheet stretched over the pad whereby the pad at the back of the stencil can be rendered accessible for inking purposes without removing the stencil from its seating.

6. In a rotary duplicator the combination of a stencil carrying cylinder, an ink absorbing pad attached thereto, a removable seg-

ment thereon of porous material, hinged to  
the cylinder, and secured when in operative  
position to the cylinder by catches, an inking  
pad on the outer surface of the segment, and  
5 a stencil sheet stretched over the pad where-  
by the pad at the back of the stencil can be  
rendered accessible for inking purposes with-  
out removing the stencil from its seating.

In testimony whereof I have signed my  
name to this specification in the presence of 10  
two subscribing witnesses.

McION JAMES DOUGLAS CARTER.

Witnesses:

WILLIAM H. BALLANTYNE,  
HARRY B. GRIDD.