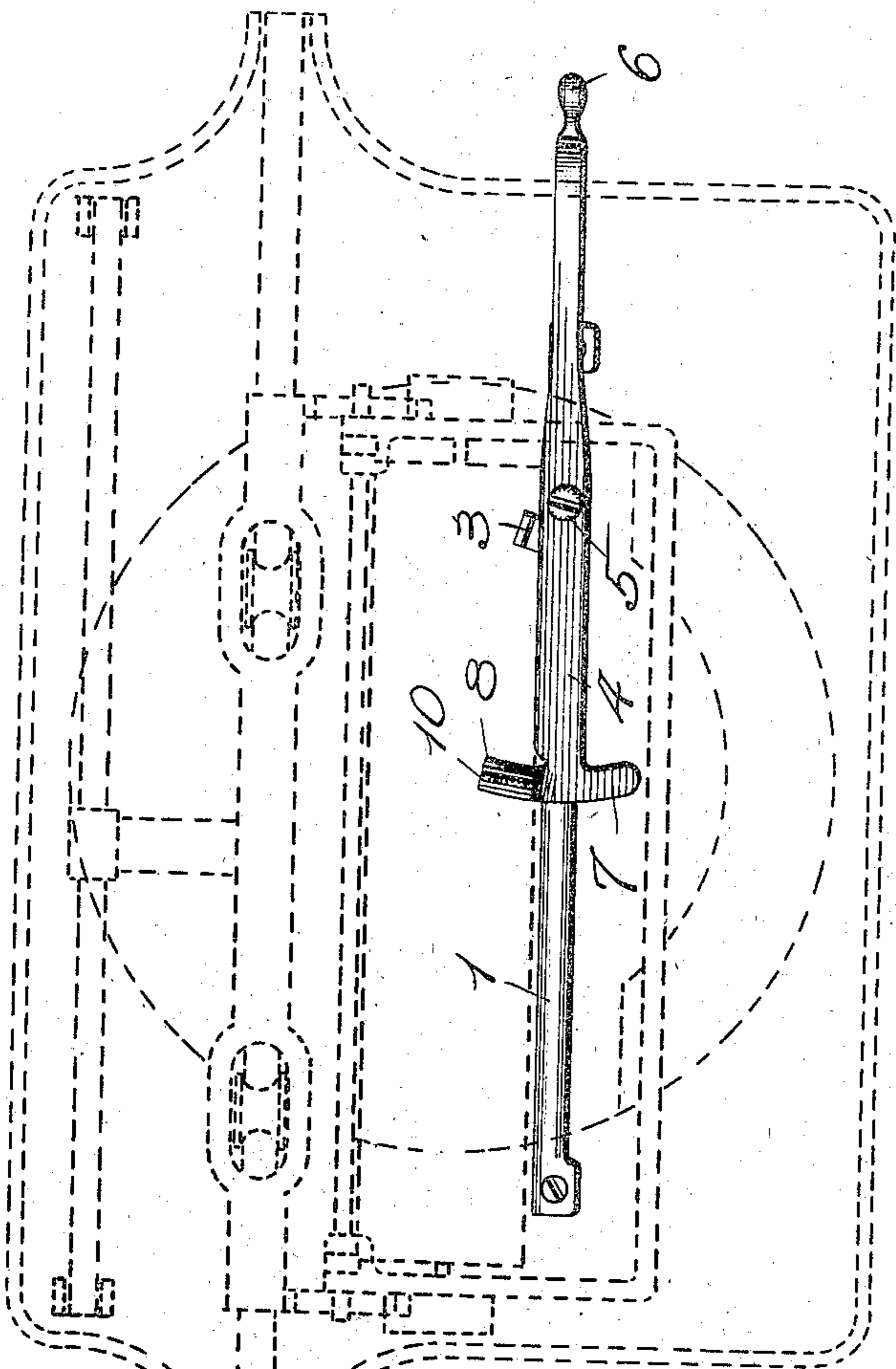
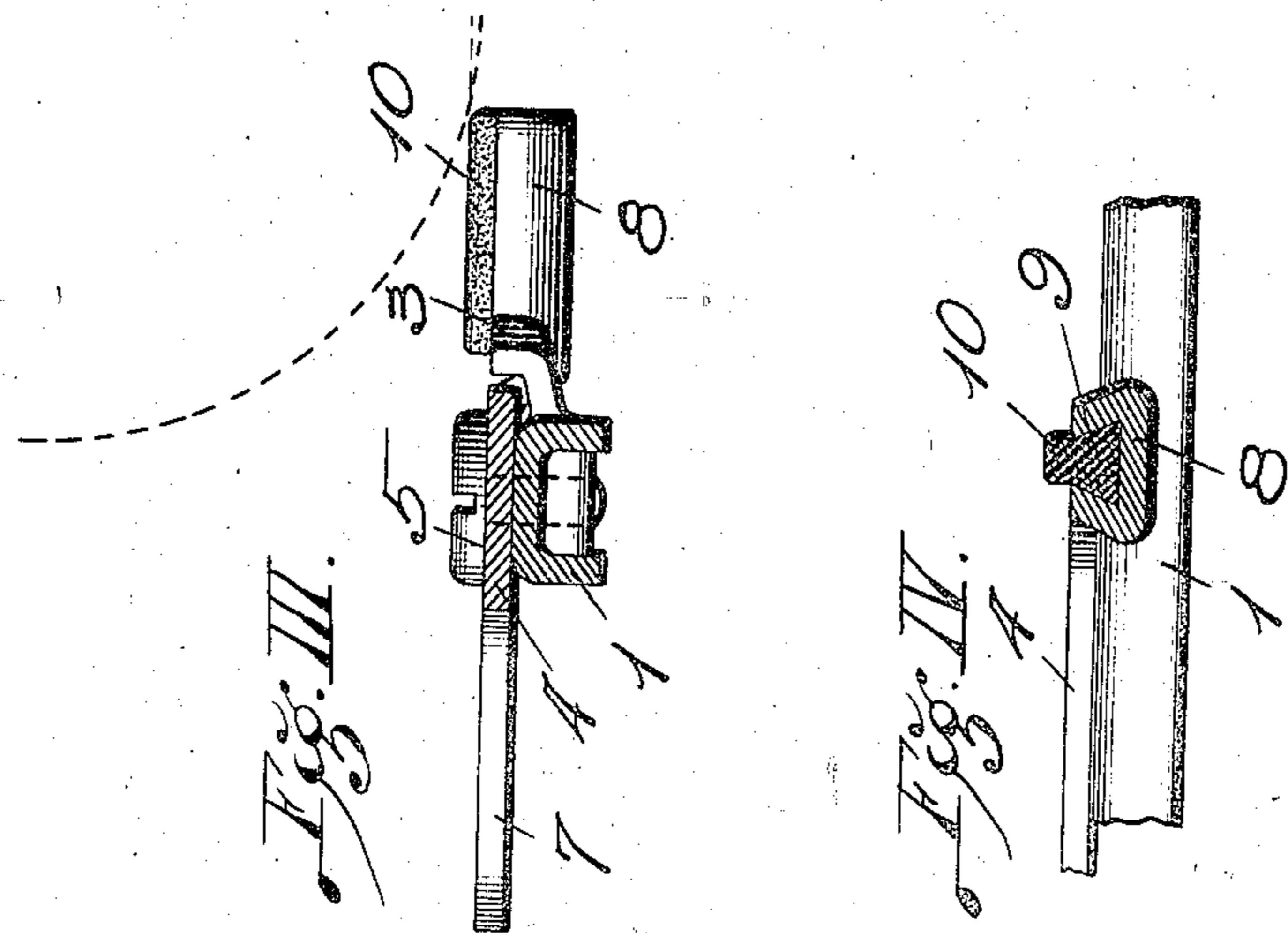


G. K. ANDREWS.  
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APPLICATION FILED NOV. 16, 1908.

924,215.

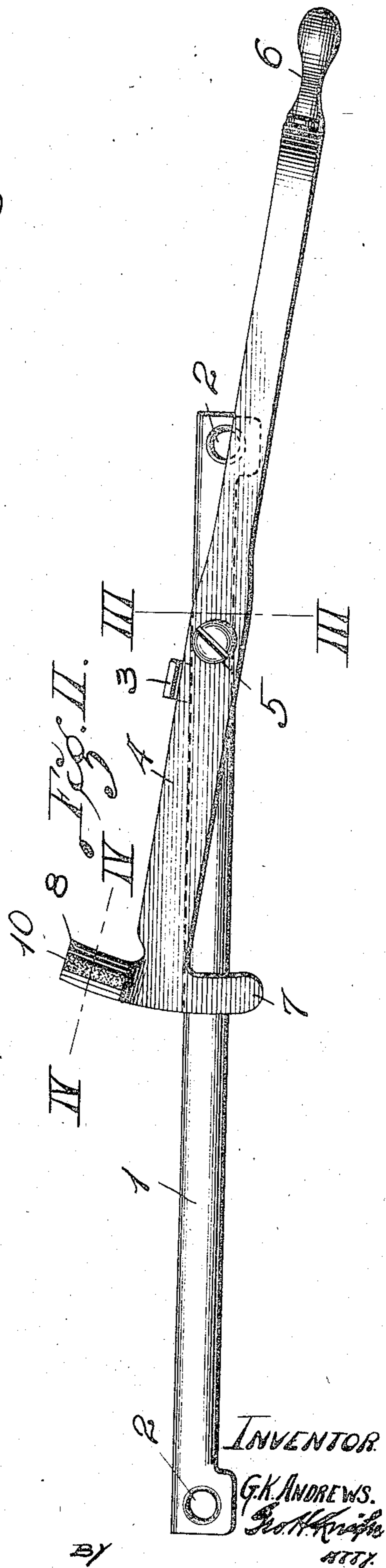
Patented June 8, 1909.



ATTEST.

E. M. Harrington.  
J. H. Cook.

Fig. I.



INVENTOR.

G. K. ANDREWS.  
J. H. Cook  
ATTY.

BY

# UNITED STATES PATENT OFFICE.

GEORGE K. ANDREWS, OF WEBSTER GROVES, MISSOURI.

## ERASING DEVICE FOR TYPE-WRITING MACHINES.

No. 924,215.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed November 16, 1908. Serial No. 462,960.

*To all whom it may concern:*

Be it known that I, GEORGE K. ANDREWS, a citizen of the United States of America, residing at Webster Groves, in the county of St. Louis and State of Missouri, have invented certain new and useful Improvements in Erasing Devices for Type-Writing Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an attachment for typewriting machines whereby erasures upon sheets of paper or other material written upon in the machines may be efficiently, readily, and rapidly accomplished through mechanical means applied to the typewriting machines adjacent to the carriages.

Figure I is a top or plan view of a typewriting machine shown in dotted lines, and my erasing device shown in full lines thereon. Fig. II is an enlarged top or plan view of my erasing device. Fig. III is an enlarged cross section taken on the line III—III of Fig. II. Fig. IV is an enlarged cross section taken on the line IV—IV of Fig. II.

In the accompanying drawings:—1 designates a bearer bar that is adapted to be suitably secured to the top frame of a typewriting machine beneath the carriage when said carriage is in its normal position. The bearer bar, as illustrated in the drawings, is provided with screw holes 2 to receive screws that may be passed therethrough and inserted into the top frame of a typewriting machine to connect the bearer bar to said frame, but any other desirable means of attaching the bearer bar may be employed. At one side of the bearer bar is a stop lug or member 3 that projects upwardly above the plane of the bearer bar.

4 designates an eraser carrying lever that is pivoted at 5 to the bearer bar 5 and is provided with an outer arm which extends outwardly to one side of the typewriting machine and terminates in a handle 6 by which the eraser carrying lever may be swung to and fro by rocking it upon its pivot point 5. At the inner end of the eraser carrying lever are transverse arms 7 and 8, the arm 8 being provided with a socket 9 that is adapted to receive an eraser 10 that may be of rubber, or other suitable abrasive material.

In the practical use of my erasing device, after it has been suitably attached to the frame of a typewriting machine so as to oc-

cupy a position aside from the point at which the type of the type bars move to the platen of the machine, the operation is as follows: When an erasure is to be made, the typewriting machine carriage is brought to a position that will cause the character upon a sheet of material in the carriage of the machine to be in the path of movement of the eraser 10 when said eraser is swung to and fro by operation of the eraser carrying lever 4. The operator then, by grasping the handle 6 of the eraser carrying lever manipulates said lever to impart an oscillating movement thereto, as a result of which the eraser 10 is swung to and fro in abrasive contact with the sheet of material in the typewriting machine carriage to perform the erasure of a character thereon which it may be desired to erase. During the erasing operation, the carriage of the typewriting machine remains in a lowered position, and the weight thereof offers sufficient resistance to the upward movement of the carriage and the sheet of material therein so that the erasing action may be performed and the transverse arm 7 of the eraser carrying lever swings backwardly and forwardly upon the bearer bar 1 and acts as a resistance member to prevent downward movement of the inner arm of the lever during the erasing action. The stop member 3 projecting upwardly from the bearer bar 1 serves to limit the degree of movement of the eraser carrying lever when the eraser is moved in a backward direction in erasing action.

I claim:—

1. The combination with a typewriting machine having a frame, a carriage, and a platen mounted in said carriage, of an erasing device comprising a bearer adapted to be attached to the frame of said typewriting machine, an eraser carrying member swingingly connected to said bearer, an eraser carried by said eraser carrying member and swung transversely of said platen by said carrying member.

2. The combination with a typewriting machine having a frame, a carriage, and a platen mounted in said carriage, of an erasing device comprising a bearer adapted to be attached to the frame of said typewriting machine, an eraser carrying lever swingingly connected to said bearer, and an eraser carried by said eraser carrying lever and swung transversely of said platen by said lever.

3. The combination with a typewriting

machine having a frame, a carriage, and a platen mounted in said carriage, of an erasing device comprising a bearer adapted to be attached to the frame of said typewriting machine, an eraser carrying member swing-  
5 ingly connected to said bearer, an eraser carried by said eraser carrying member and swung transversely of said platen by said carrying member, and a stop for limiting the  
10 degree of movement of said eraser carrying member.

4. The combination with a typewriting machine having a frame, a carriage, and a platen mounted in said carriage, of an eras-

ing device comprising a bearer adapted to be  
15 attached to the frame of said typewriting machine, an eraser carrying member swing-  
ingly connected to said bearer, an eraser carried by said eraser carrying member and  
swung transversely of said platen by said  
20 carrying member, said eraser carrying member being provided with a resisting member operable upon said bearer.

GEORGE K. ANDREWS.

In presence of—

HOWARD G. COOK,  
WALTER ALLEN.