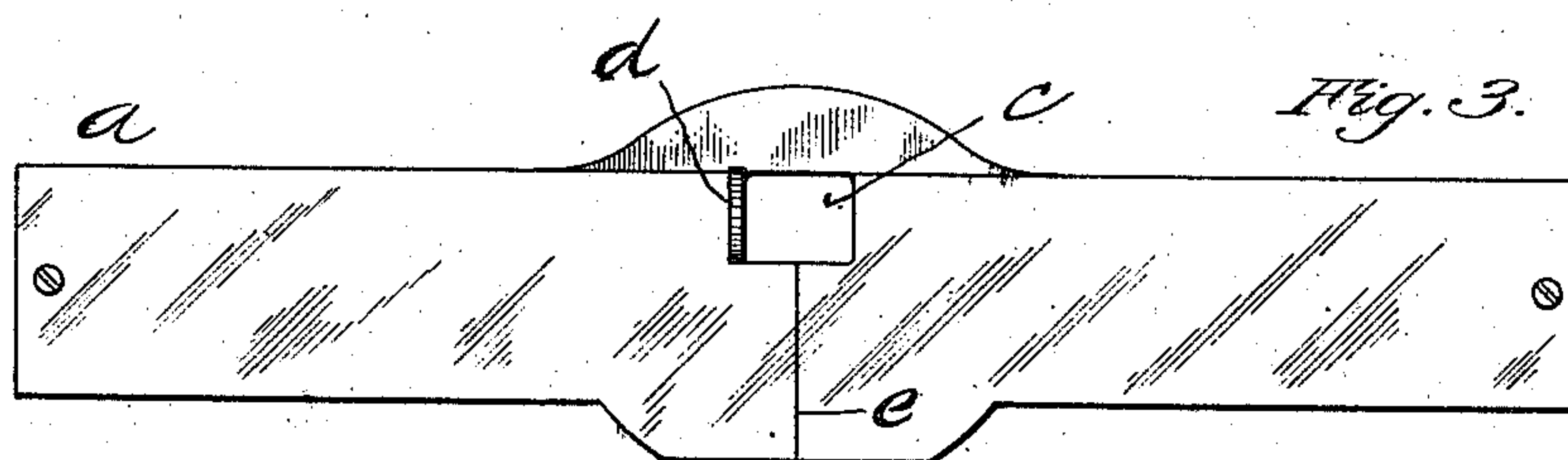
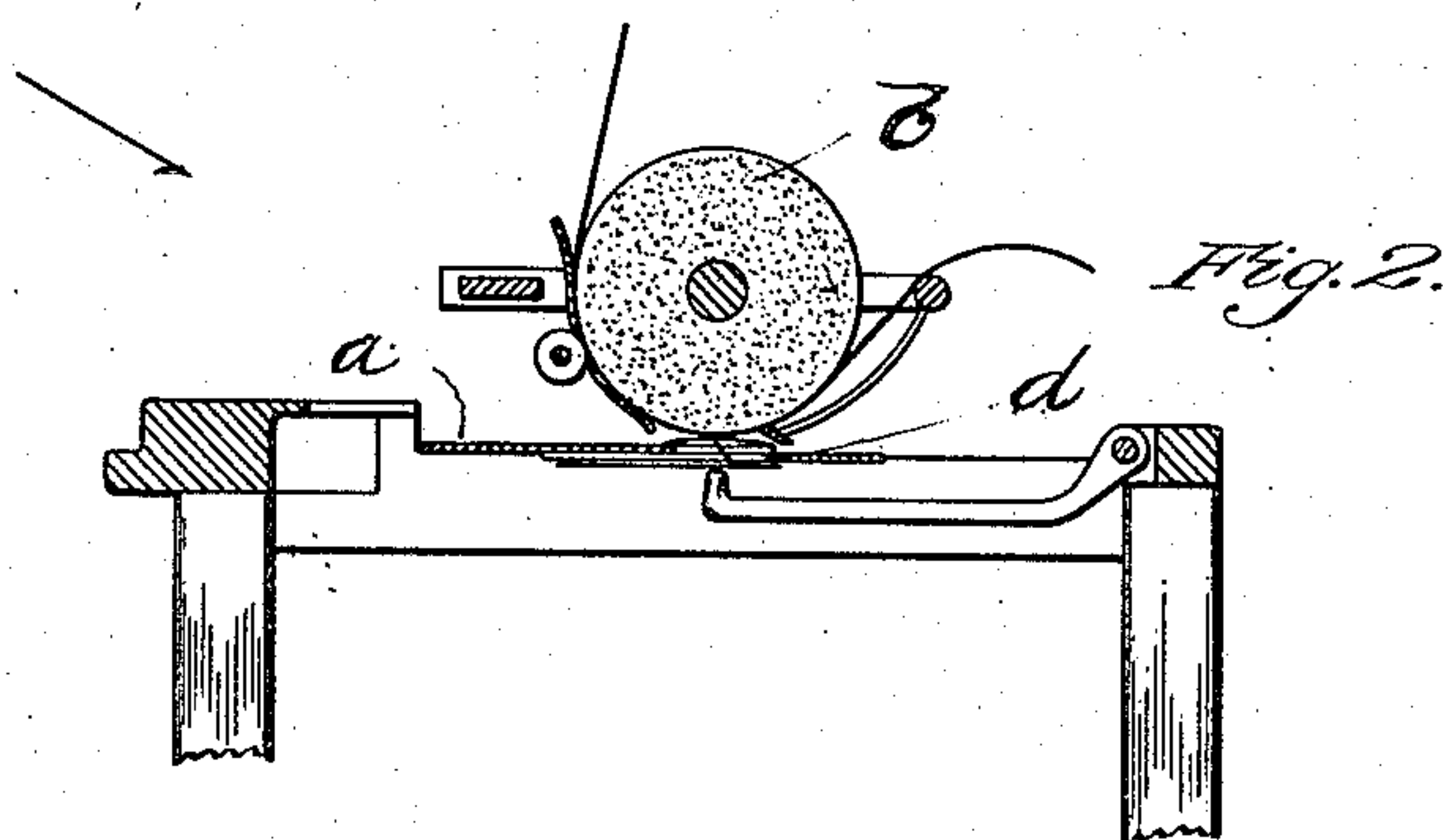
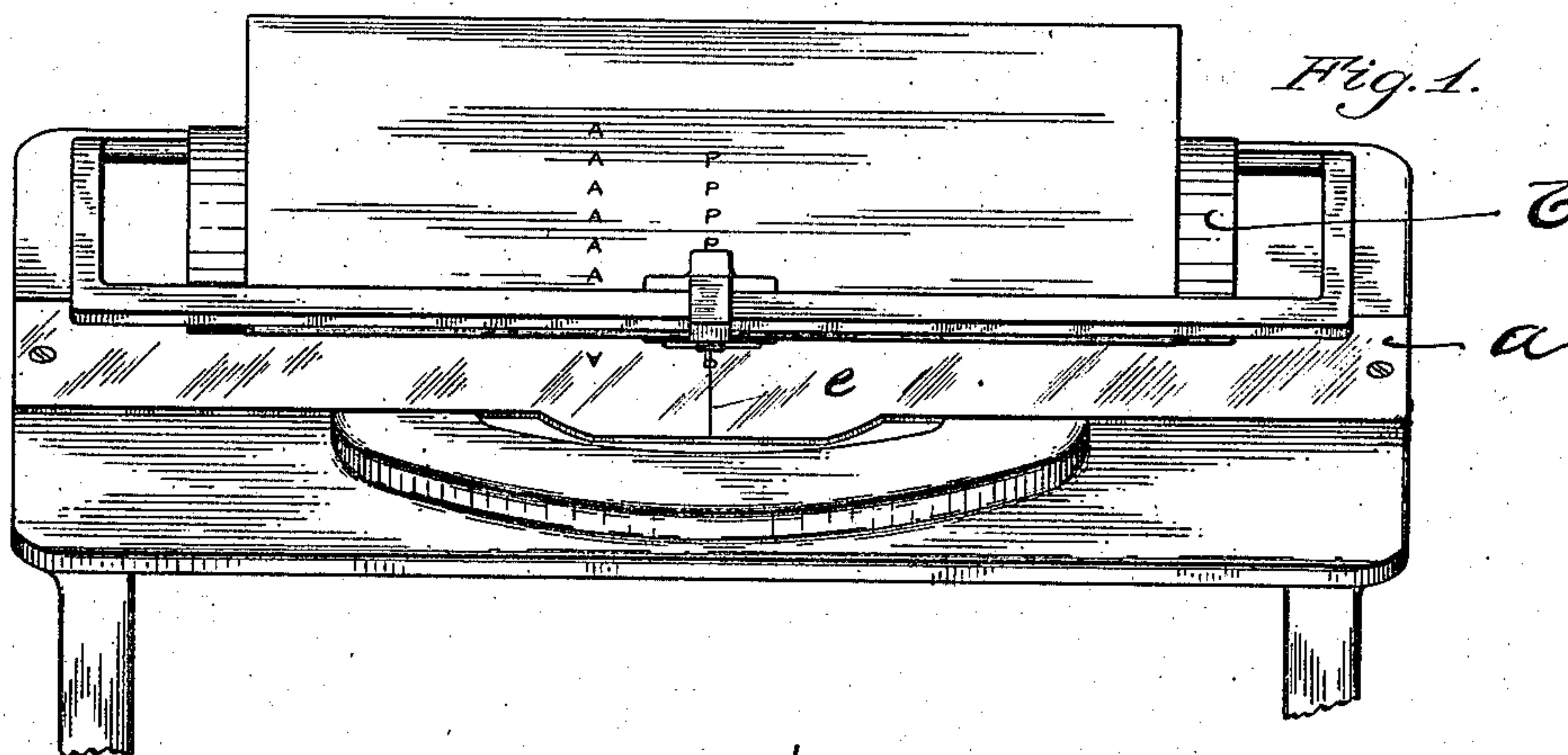


No. 867,666.

PATENTED OCT. 8, 1907.

W. E. MASON.  
TYPE WRITING MACHINE.  
APPLICATION FILED MAR. 6, 1906.



Witnesses.  
C. F. Storrs  
J. Kreinhardt.

Inventor:  
Willard Ernest Mason  
per  
J. E. Hart  
Attorney.

# UNITED STATES PATENT OFFICE.

WILLARD ERNEST MASON, OF BURNSIDE, CONNECTICUT.

## TYPE-WRITING MACHINE.

No. 867,666.

Specification of Letters Patent.

Patented Oct. 8, 1907.

Application filed March 6, 1906. Serial No. 304,499.

To all whom it may concern:

Be it known that I, WILLARD ERNEST MASON, a citizen of the United States of America, residing at Burnside, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

The object of the invention is to provide a visible writing and tabulating device for typewriters of the understrike variety so that the last line written is always visible to the operator without raising the carriage.

Figure 1 is a perspective view of the upper part of a typewriting machine looking in the direction of the arrow in Fig. 2. Fig. 2 is a sectional elevation on about the indicator line. Fig. 3 is a plan view of the reflector.

The object of the invention is accomplished by locating a reflector *a* beneath the platen *b* of an ordinary typewriter of the understrike variety. A recess *c* is formed in the reflector to permit of the passage of the type to make the impression, and a guard *d* is located adjacent to the recess to cause the paper when first introduced into the machine to ride over the reflector without being caught by the edges of this recess.

The reflector is secured in position by any well known means which will permit of its ready removal. The tabulating feature is provided by locating an indicator *e* in line with the impression point on the platen, where-

by figures or characters of any kind, as ditto marks, can be arranged in accurate columns without continually raising the carriage or consulting the scales and without the use of intricate and delicate mechanical adjustment. After the first line of figures is struck the proper time to begin with the second line is shown when the first figure is seen on the reflector in registering position with the indicator.

I claim as my invention:

1. The combination in a typewriting machine of the understrike variety comprising the frame and platen, the reflector located on the frame underneath the platen, and an indicator on said reflector in alinement with the impression point on the platen.

2. The combination in a typewriting machine of the understrike variety comprising the frame and platen, of a stationary reflector located on the frame immediately underneath the platen, and an indicator in alinement with the impression point on the platen.

3. The combination in a typewriting machine of the understrike variety comprising the machine frame and type bars, the platen and the carriage for the platen, of a reflector secured to the frame of the machine underneath said platen, said reflector having an opening for the passage of the type and a guard for the edge of said opening, as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLARD ERNEST MASON.

Witnesses:

H. E. HART,

D. S. KREIMENDAHL.