

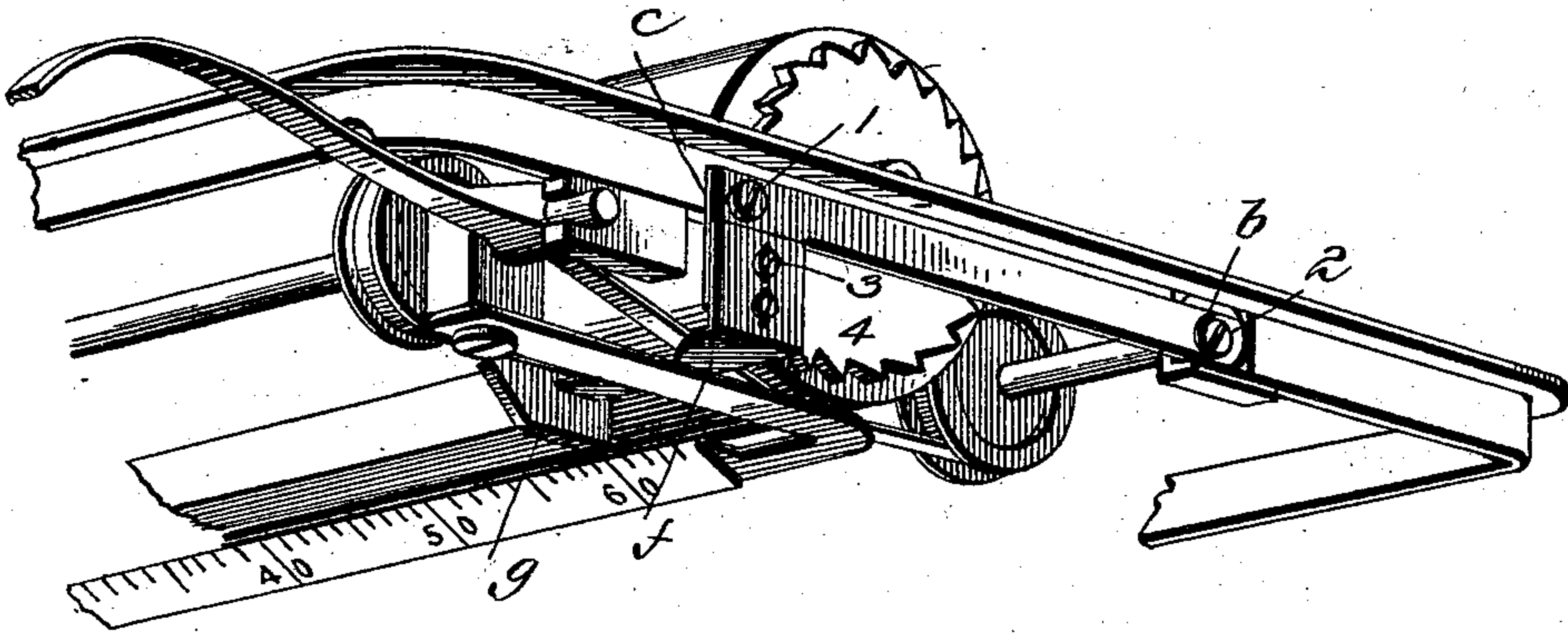
(No Model.)

N. W. HARTWELL.  
ATTACHMENT FOR TYPE WRITING MACHINES.

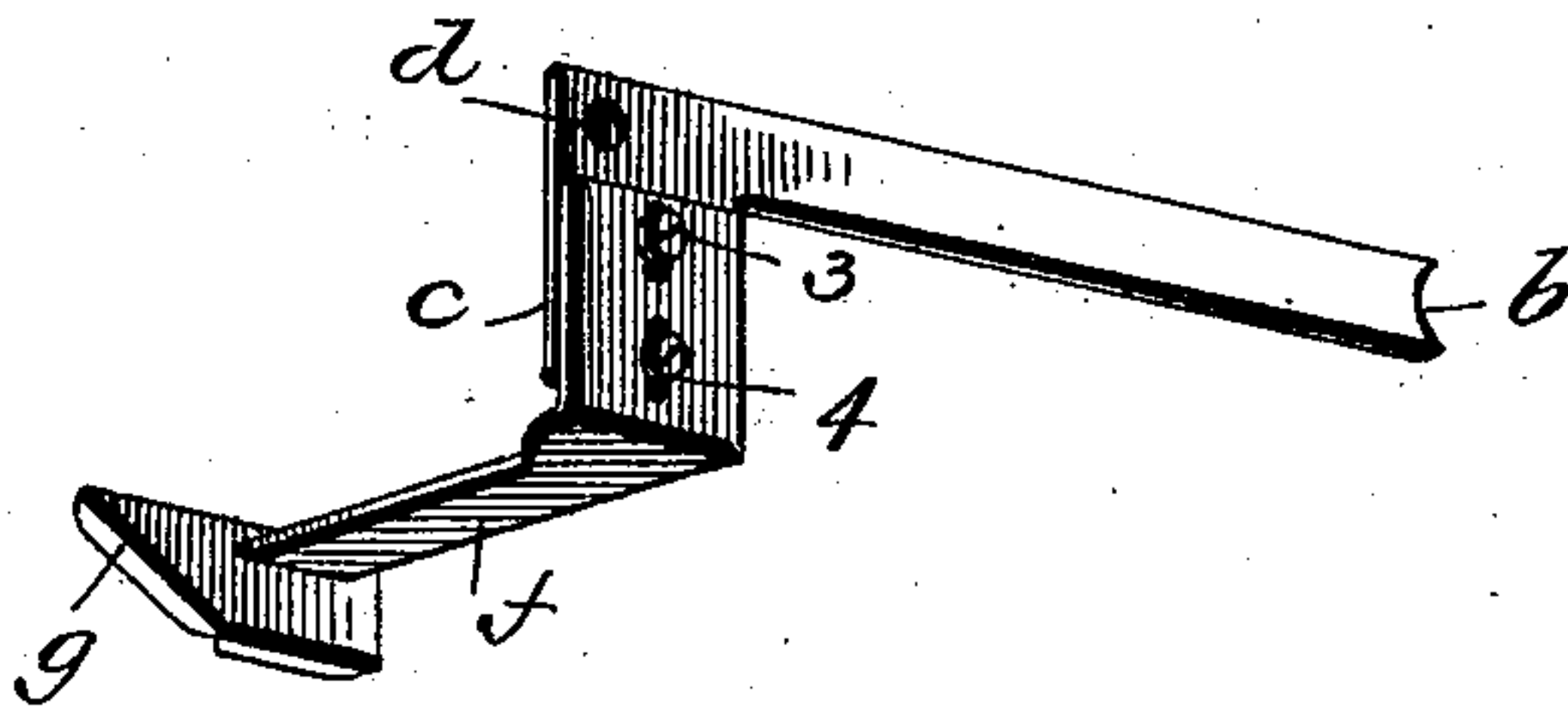
No. 557,203.

Patented Mar. 31, 1896.

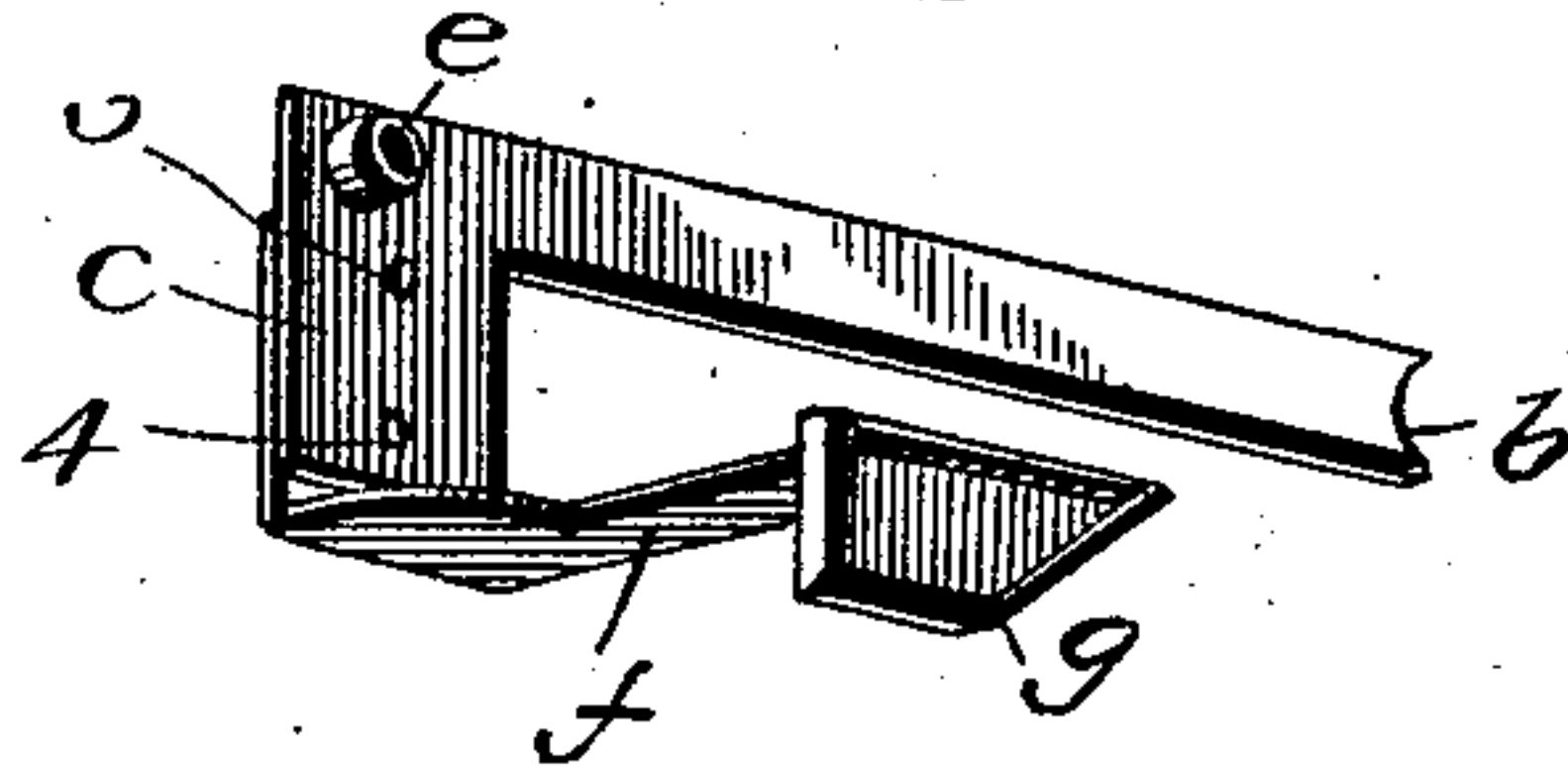
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*  
*W. O. Wilson.*

*Inventor.*  
*Newton W. Hartwell*  
*By J. Benjamin,*  
*his Attorney.*

# UNITED STATES PATENT OFFICE.

NEWTON WALKER HARTWELL, OF LOUISVILLE, KENTUCKY.

## ATTACHMENT FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 557,203, dated March 31, 1896.

Application filed May 24, 1894. Serial No. 512,258. (No model.)

*To all whom it may concern:*

Be it known that I, NEWTON WALKER HARTWELL, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Attachments for Type-Writers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to that class of improvements in attachments for type-writing machines in which the object is to enable the operator to see the characters as they are written, and my particular improvement relates to the device which supports the reflecting medium employed.

The object of my invention is to provide a bracket for holding a reflecting-prism such as is described in the application for a patent made by me as joint inventor with Thomas J. Howe, filed February 26, 1894, Serial No. 501,570, which may be cheaply constructed, quickly and easily attached to the type-writer, and which will hold the reflecting-prism in a correct position.

In the drawings which form a part of this application, Figure 1 is a view of the lower side of a type-writer carriage with my improved bracket attached thereto. Figs. 2 and 3 are perspective views of the bracket alone.

My improved bracket is formed from thin flat steel or other suitable metal, and consists of a shank *a*, the lower end of which is hollowed out at *b*, and from the upper portion of which extends at right angles to the shank the main portion *c*. Near the upper end of the shank *a* is a slot *d*, around which is the collar *e*. Extending at right angles from the main portion *c* is the arm *f*, the outer end of which is bent in and provided with a flange *g*,

said end and flange being of such shape as to conform to the ends of the prism, which is rhomboidal in cross-section. In order to provide for the inequalities in the frames of different type-writers, I make the main portion *c* of two parts which overlap each other, the outer part being slotted and the under part being provided with threaded screw-holes, and the two parts being secured together by means of the screws 3 and 4.

The brackets are secured to the sides of the type-writer carriage by means of the small screws 1 and 2, which are now used in the Remington machine at these points, or thumb-screws may be substituted therefor. Screw 1 passes through the slot *d* and the collar *e* into the carriage. Screw 2 passes through the hollowed-out portion *b* of the shank *a* into the frame, the head of the screw bearing on the lower end of the shank and holding it in position.

The object of the collar *e* is to prevent the bracket from coming in contact with the frictional roller which is used on the Remington machines.

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

An attachment for type-writing machines consisting of a metal bracket adapted to be attached at the sides of the carriage and composed of a main portion having a downward extension or shank the lower end of which is hollowed out, and with an arm extending from said main portion at approximately right angles therewith, said arm being adjustably secured thereto, and its outer end being adapted to support a prism substantially in the manner and for the purposes set forth.

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

NEWTON WALKER HARTWELL.

Witnesses:

CHAS. I. GROVES,  
M. L. WARD.