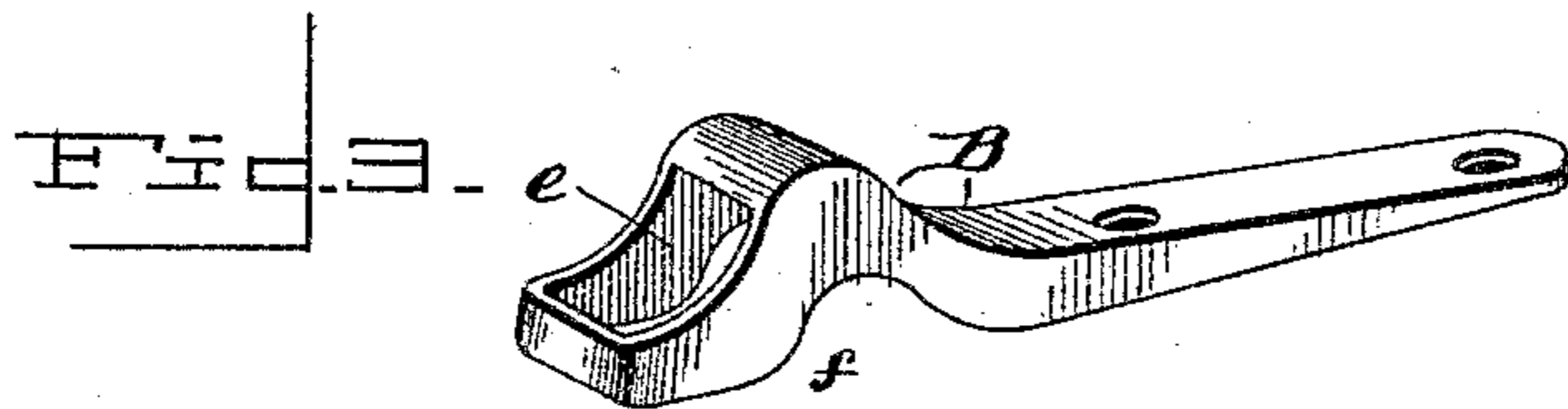
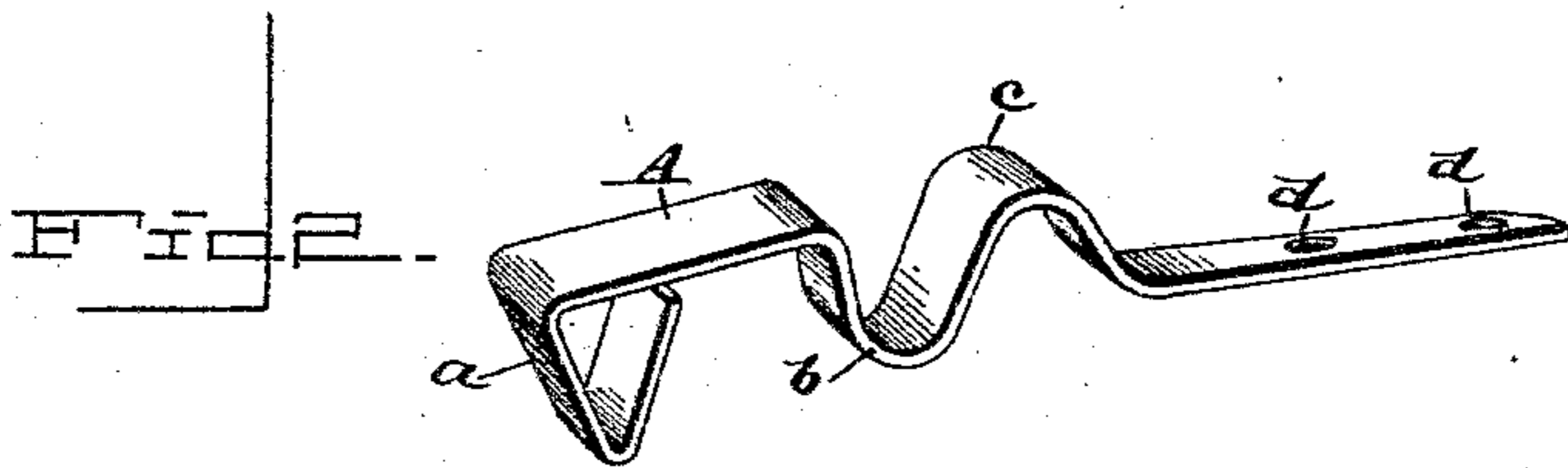
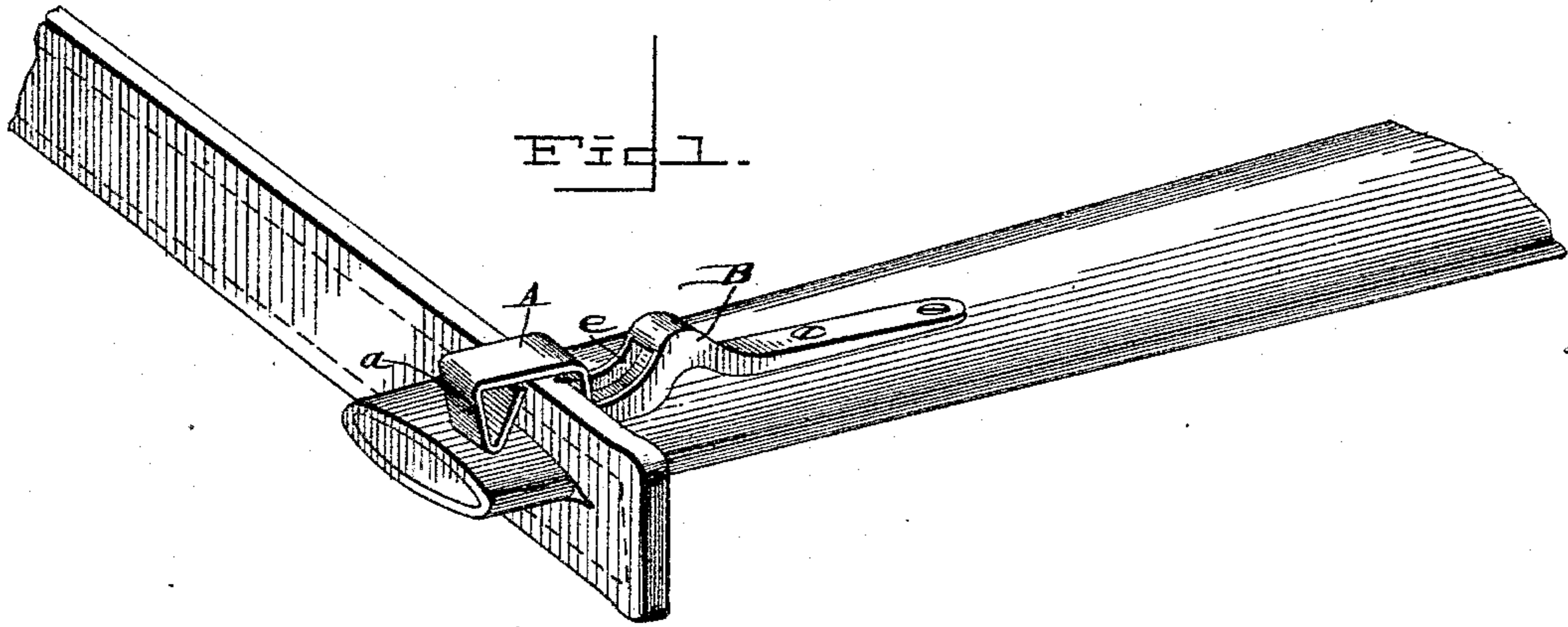


(No Model.)

H. W. GETMAN.  
TRACE FASTENER.

No. 414,517.

Patented Nov. 5, 1889.



WITNESSES  
Walter H. Humphrey  
Paul W. Stevens

INVENTOR  
Henry W. Getman  
By Myer & Co  
Attorneys.

# UNITED STATES PATENT OFFICE.

HENRY W. GETMAN, OF ILION, NEW YORK.

## TRACE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 414,517, dated November 5, 1889.

Application filed March 22, 1889. Serial No. 304,245. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY W. GETMAN, a citizen of the United States of America, residing at Ilion, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in Trace-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

My improvement in trace-fasteners consists in the peculiar construction, combination, and arrangement of the parts, substantially as hereinafter more fully described, and pointed out in the claim.

In the drawings, Figure 1 is a view in perspective of my trace-fasteners, and Figs. 2 and 3 are detail views thereof.

In my trace-fastener my object has been, by employing the fewest parts possible, not only to simplify its structure, but to cheapen the cost of production. In accomplishing this purpose the metallic spring A is fashioned to fulfill all the purpose of a trace-fastener, and to this end it is provided at its outer end with the triangular clutch *a*, which springs down outside of the trace and securely holds it on the whiffletree, as shown. It is also provided with the spring-curves *b* and *c*, and is aper-

tured at *dd* to conform to corresponding screw-apertures in spring-holder B, wherein it is rigidly secured to the whiffletree. Holder B, however ornamental, is chiefly designed to hold spring A in position and to strengthen it, as the spring projects through its slot *e*, fitting flush therewith, and where curved to conform to curve *f* finds its bearings against said plate. Thus it will be seen that my trace-fastener is no less simple in construction than efficient and inexpensive.

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

The combination, with the holder or casting having the curved under surface and the slot arranged contiguously to said under surface, of the spring having a V-shaped clutch and reversely-curved portions partially resting in the curved portion of said holder and projecting through the slot of said holder, substantially as set forth.

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

HENRY W. GETMAN.

Witnesses:

WILLIAM A. TURNER,  
EDGAR M. TURNER.