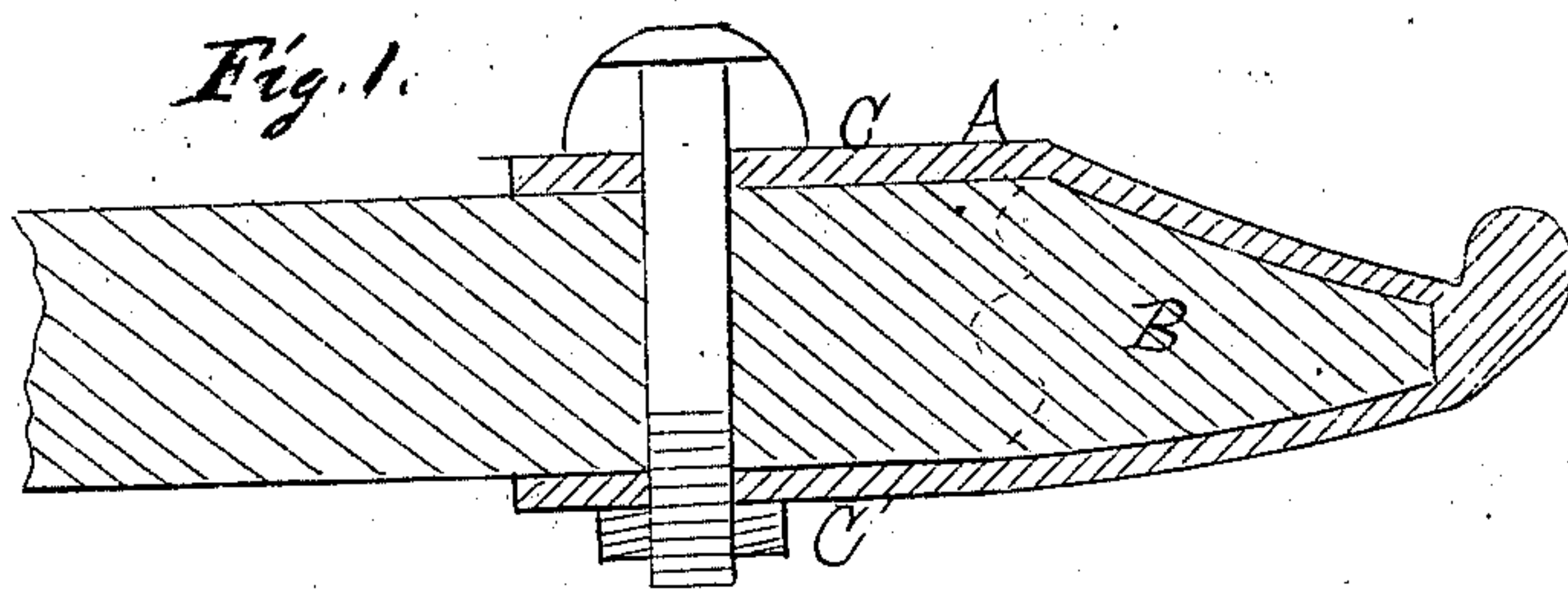
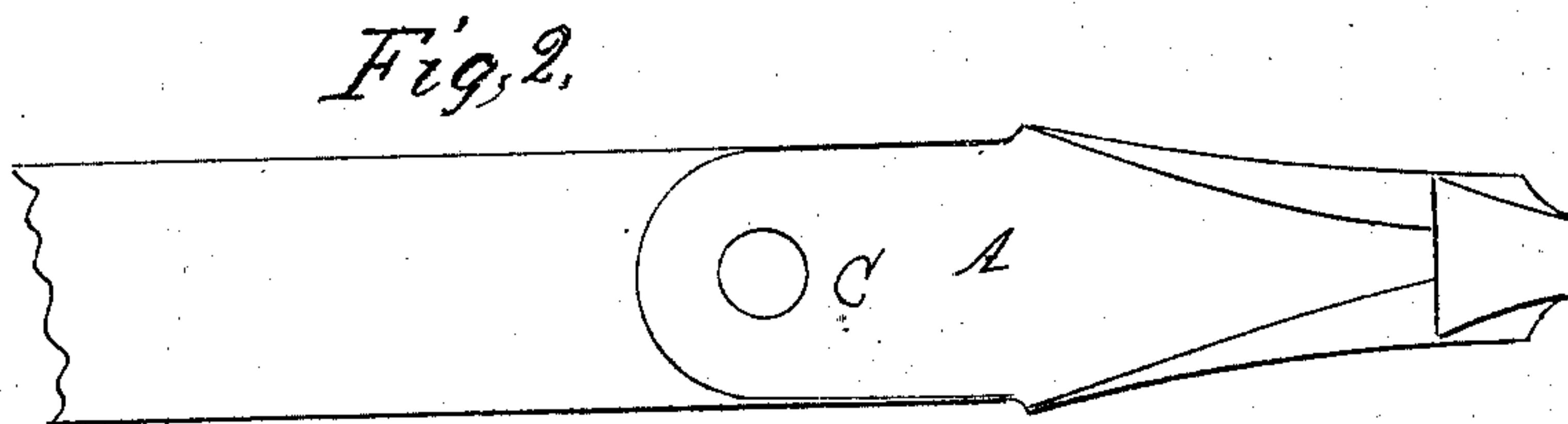


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PATENTED

FEB 4 1868



Anson L. Marburton & Henry Bender.

Impts in Metallic Scroll ends for Spring Bars &c

for Carriages & Buggies

Attests
H. F. Mills
Esq

Anson L. Marburton
Henry Bender,

United States Patent Office.

ANSON L. WARBURTON AND HENRY BENDIR, OF FORT WAYNE, INDIANA.

Letters Patent No. 74,178, dated February 4, 1868.

IMPROVEMENT IN METALLIC SCROLL-ENDS FOR SPRING-BARS FOR CARRIAGES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, ANSON L. WARBURTON and HENRY BENDIR, of Fort Wayne, in the county of Allen, and State of Indiana, have invented certain new and useful Improvements in Metallic Scroll-Ends for Spring-Bars, &c., for Carriages; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the drawings—

Figure 1 represents a sectional view.

Figure 2 represents a plan view.

The nature of our invention consists in the construction of metallic scroll-ends for spring-bars and head-blocks for carriages, &c., as an article of manufacture.

To enable others skilled in the arts to make and use our invention, we will proceed to describe its construction and the use of the same.

A represents a metallic shell, which may be curved, so as to form any suitable design, for either the ends of the spring-bars or head-block. Into the cavity B of this shell the ends of the spring-bar or head-block are inserted, so as to allow the wood to come flush with the metal. The body-loop or other necessary irons are then placed upon the upper surface of the ears C, and the small bolts used for that purpose are inserted through the body-loop and ears C C', and the whole is effectually secured in position, as seen in the drawings.

The advantages may be more fully appreciated when we take into account the fact that the carving on a buggy or carriage costs from four to five dollars—in no case less, and in many cases much more—while by this method a better and more elaborate style of work may be secured for about the same number of cents. At the same time, instead of resting the body-loop on the wood of the spring-bar, and thus subjecting it to continued and rapid wear and liability to split, it rests on a firm metallic surface, and is therefore subject to none of these casualties. We regard the durability of the article as of greater importance than the question of mere cheapness, but when both of these are combined, the advantages are of the greatest importance.

What we claim as new, and desire to secure by Letters Patent, is—

The metallic scroll-ends for spring-bars and head-blocks for carriages, &c., as an article of manufacture, the same being constructed and used in the manner and for the purpose substantially as specified.

ANSON L. WARBURTON. [L. S.]
HENRY BENDIR. [L. S.]

Witnesses:

H. F. WILLSON,
GEO. ESMOND.