

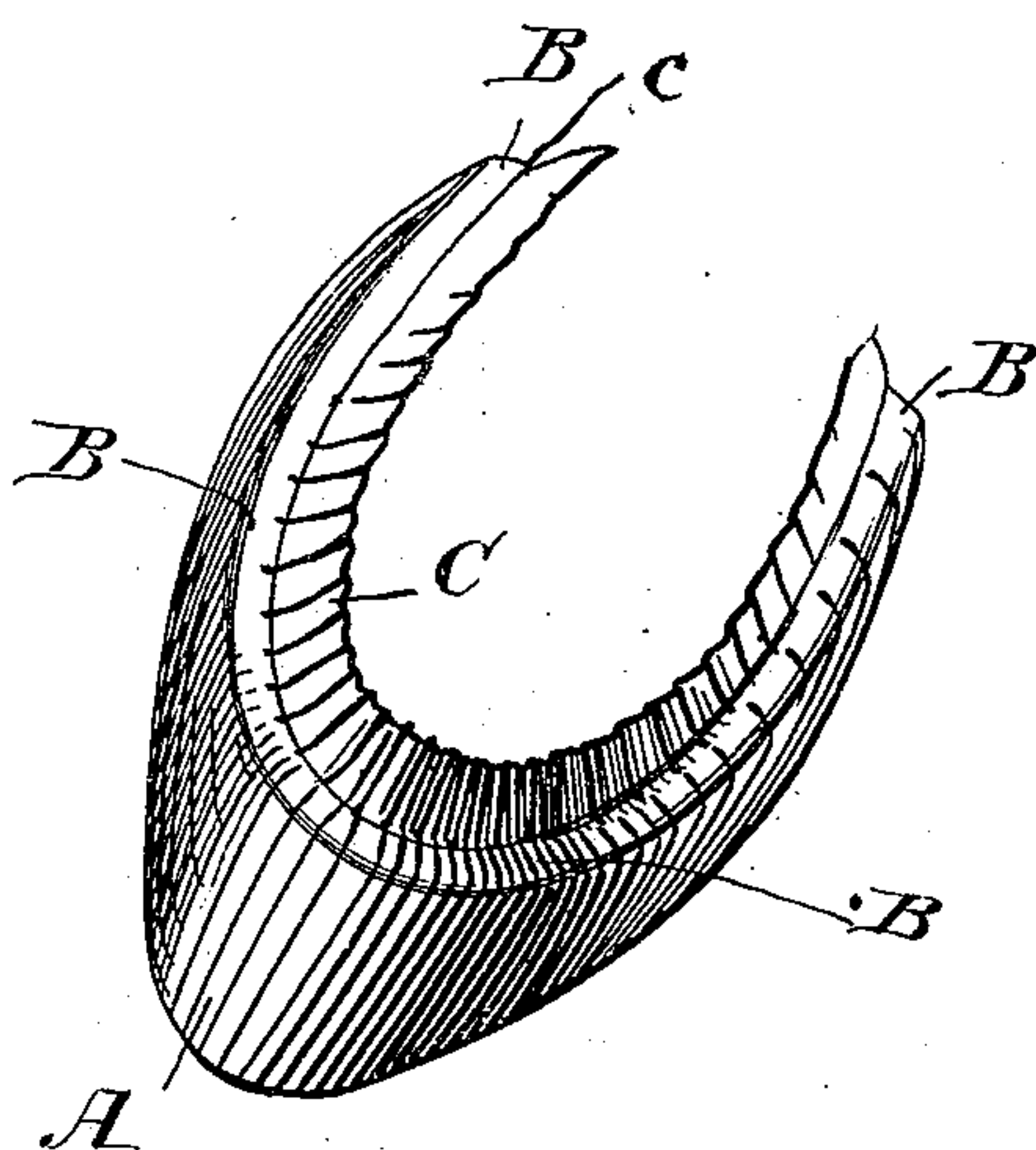
(No Model.)

J. KIEFFER.

COUNTER STIFFENER FOR BOOTS OR SHOES.

No. 312,129.

Patented Feb. 10, 1885.



Witnesses:  
Owen N. Evans  
Arthur Harris

Inventor  
Joseph Kieffer  
Per Atty: Peruolas H. H. H.

# UNITED STATES PATENT OFFICE.

JOSEPH KIEFFER, OF MONTREAL, QUEBEC, CANADA.

## COUNTER-STIFFENER FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 312,129, dated February 10, 1885.

Application filed July 7, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH KIEFFER, of the city of Montreal, in the district of Montreal and Province of Quebec, in the Dominion of Canada, have invented a certain new and useful Improved Heel-Counter; and I do hereby declare that the following is a full, clear, and exact description of the same.

Up to the present time the great difficulty in heel-counters molded by any of the machines now in use has been that, from the necessity of bending upward the "upturn" of the counter to receive the lining or insole and then restoring it to its former position, the substance of the counter is extremely apt to crack and be broken at the junction of the counter proper and upturn, thus to a great extent defeating the end for which the counter is used. This is especially the case where the counter is made of leather-board, or of a compound of leather-board and leather, owing to the brittleness of that substance. In my heel-counter, which is, as usual, of one piece of leather, the chance of cracking or breaking the counter is done away with by forming on the lower edge of the heel-piece or counter proper a rigid seat between the heel-piece and the crimped upturn, so that the bending of

this last has no tendency to crack the substance of the counter at the junction of the vertical and horizontal planes. In my counter, when finished for sale, the upturn proper is bent outward, so as to diminish the necessity for bending it, and still further do away with the chance of injuring the substance.

The drawing hereto annexed, and forming part of this specification, shows a perspective view of my counter, A being the heel-surface, B the turned up and rigid seat, and C the crimped upturn, c showing the line on which this is bent. By this construction it will be seen that not only is the strength of the counter unimpaired by bending, but the shape and roundness of the heel are preserved.

What I claim, and desire to secure by Letters Patent, is as follows:

As an improved article of manufacture, a heel-counter having a turned-up rigid rim formed between the vertical sides and heel and the crimped upturn, substantially as herein set forth.

JOSEPH KIEFFER.

Witnesses:

FRAS. HY. REYNOLDS,  
R. A. KELLOND.