

(No Model.)

J. W. RAMSEY.  
COMPRESSION COUPLING.

No. 387,538.

Patented Aug. 7, 1888.

Fig. 1.

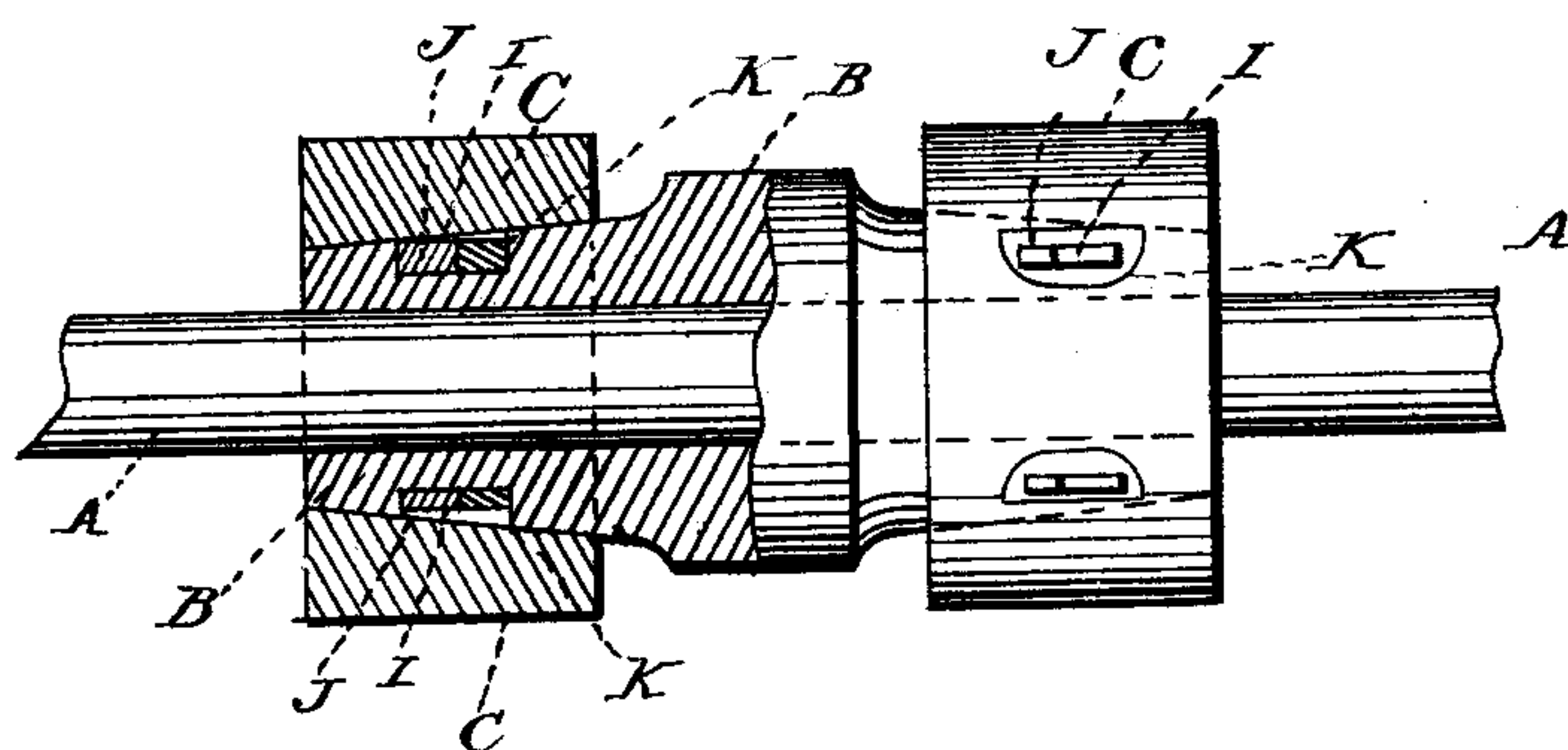


Fig. 2.

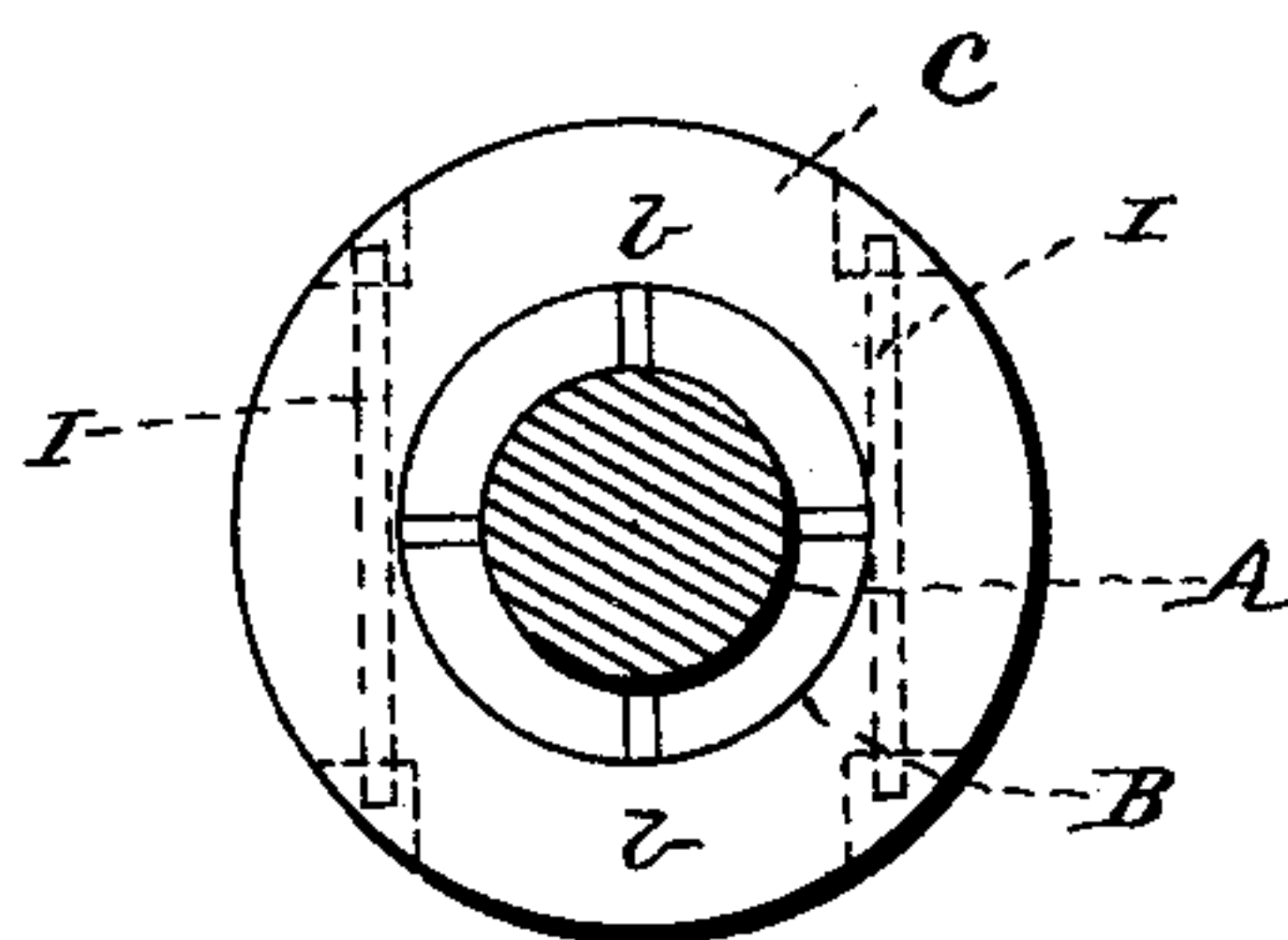
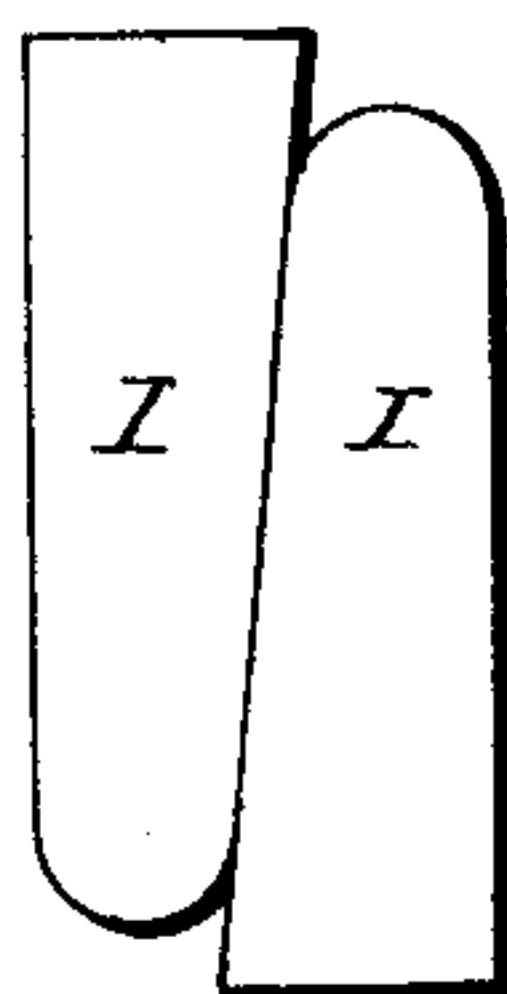


Fig. 3.



Witnesses.

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By his Attorney.

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# UNITED STATES PATENT OFFICE.

JOHN W. RAMSEY, OF BEAVER FALLS, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOHN CORBUS, OF SAME PLACE.

## COMPRESSION-COUPLING.

SPECIFICATION forming part of Letters Patent No. 387,538, dated August 7, 1888.

Application filed June 25, 1887. Serial No. 242,500. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. RAMSEY, a citizen of the United States, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Compression-Couplings; 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 letters or figures of reference marked thereon, which form a part of this specification.

Fig. 1 is a side elevation, partly in section. Fig. 2 is an end view of same; Fig. 3, detail view of keys I I.

The invention relates to improvements in shaft-couplings, the object being to devise simple means whereby the ends of aligned shafts may be coupled by compression; and it consists in the construction and novel combination of parts, as hereinafter set forth.

Referring to the drawings by letter, A A designate the adjacent ends of two aligned shafts. B B are two similar clamps lying opposite each other over the ends A, and having their bores a little less in diameter than that of the shafts. The clamps are tapered similarly toward each end from their central cylindrical portions, and have a kerf or slit, *b*, running from each end to within about two inches of their centers and made centrally between their edges.

C C' are similar cylindrical sleeves tapered within to fit over the tapered ends of the clamps on each side.

I I are keys or wedges designed to pass from opposite sides through the openings J in the sleeves C C' and the recesses K in the clamps B B.

It will be observed that the openings J register or open into the recesses K in the clamps.

In operation, the clamps, having the sleeves loosely placed thereon, are placed upon the meeting ends of the shafts, and the keys are entered through the openings J and recesses K from opposite sides, the small ends of the keys being first inserted.

The wedging may be forced by use of a hammer, so that the sleeves are forced up the incline of the clamps, bringing the kerfs close together, and compressing the clamp upon the shaft.

Having described my invention, I claim— The combination, with the aligned shafts, of the clamps having the slots J, the sleeves having the slots K, and the keys I I, as and for the purpose specified.

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

JOHN W. RAMSEY.

Witnesses:

J. F. MILLER,  
G. L. EBERHART.