May 21, 1929. J. GROSSWEISCHEDE ET AL 1,713,962

COLLAPSIBLE DRAW MANDREL

Original Filed Jan. 24, 1927

Fig. 1.

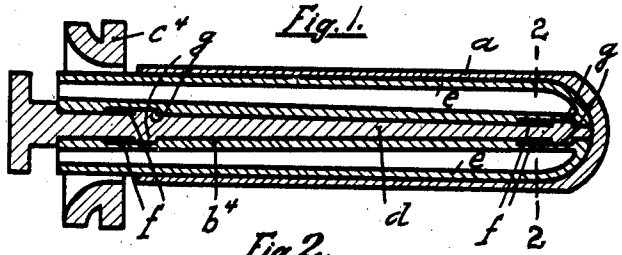


Fig. 2.



Witnesses:

Inventors:
Julius Grossweischede
Georg Reichenbacher

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UNITED STATES PATENT OFFICE.

JULIUS GROSSWEISCHEDE AND GEORG REICHENBECHER, OF MULHEIM-ON-THE-RUHR, GERMANY, ASSIGNORS TO VEREINIGTE STAHLWERKE AKTIENGESELLSCHAFT, OF DUSSELDORF, GERMANY, A CORPORATION OF GERMANY.

COLLAPSIBLE DRAW MANDREL.

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This invention relates to an improved draw-mandrel of the collapsible type, for use in connection with a hot-drawing process, and which is illustrated on the accompanying drawing, in which Fig. 1 is a longitudinal section through the same, while Fig. 2 is a cross-section therethrough on the line 2—2 of Fig. 1.

The improved collapsible draw-mandrel b^4, for drawing a work-piece a, for instance a tubular body with closed end, through a die c^4, consists of a wedge-shaped flat middle member d tapered toward its front end and on both sides of which two lateral members e of about semicircular cross-section are located in contact therewith and provided with elongated slots f in their wedge-shaped surfaces, which are in contact with the middle member d, into which slots engage projections g of said middle member in a slidable way so that the middle member can be displaced and brought out of contact with the two lateral members whereby the diameter or the circumference of the whole mandrel can be reduced and thus the latter can be easily removed from the work-piece drawn.

What we claim, is:—

A collapsible draw-mandrel, comprising a longitudinal wedge-shaped flat middle member tapered toward its front end, two lateral members of about semicircular cross-section in contact therewith and having elongated slots in their contact surfaces, and projections on said middle member in slidable engagement with said slots.

In testimony whereof we have hereunto set our hands.

JULIUS GROSSWEISCHEDE.
GEORG REICHENBECHER.