

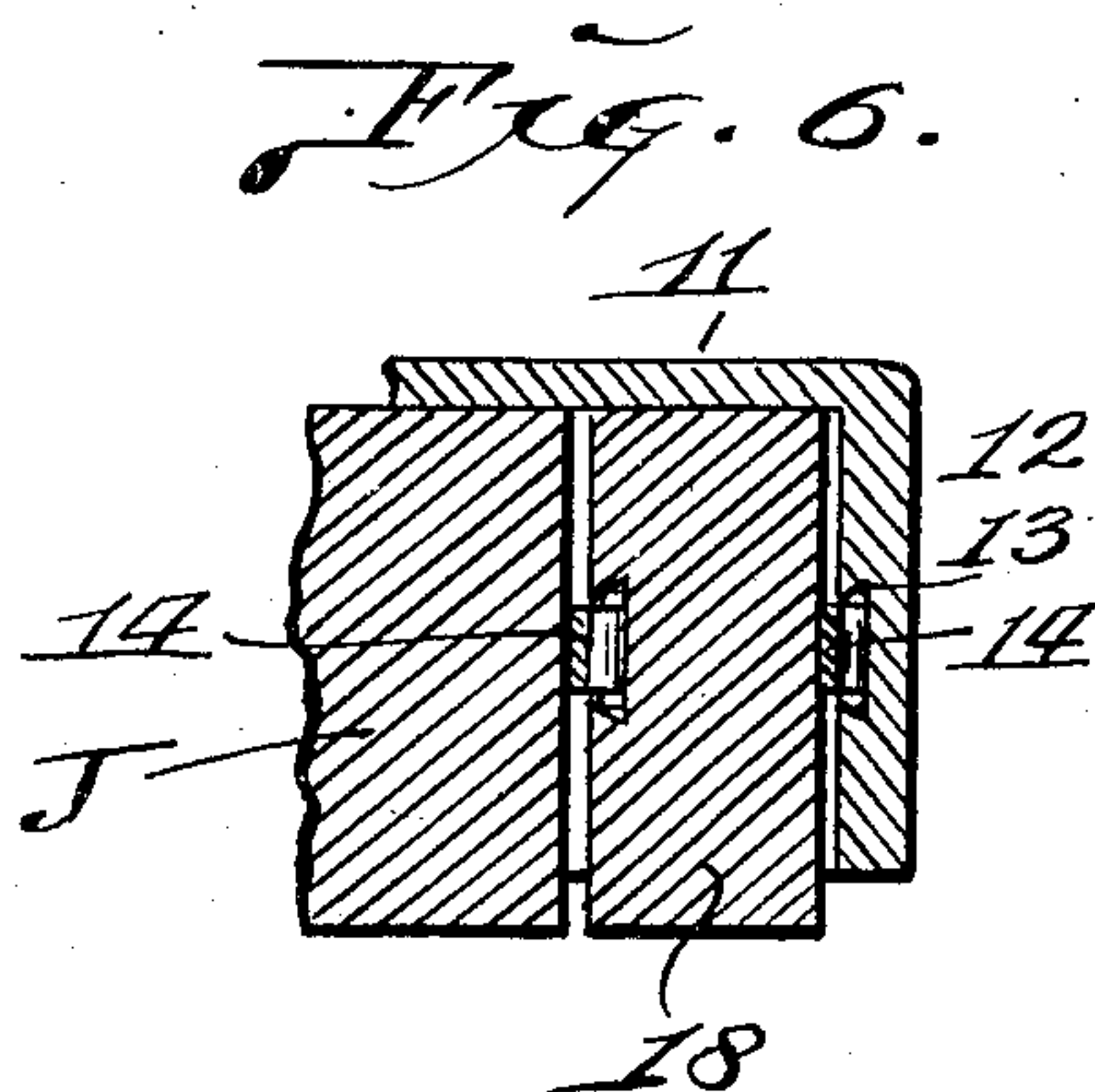
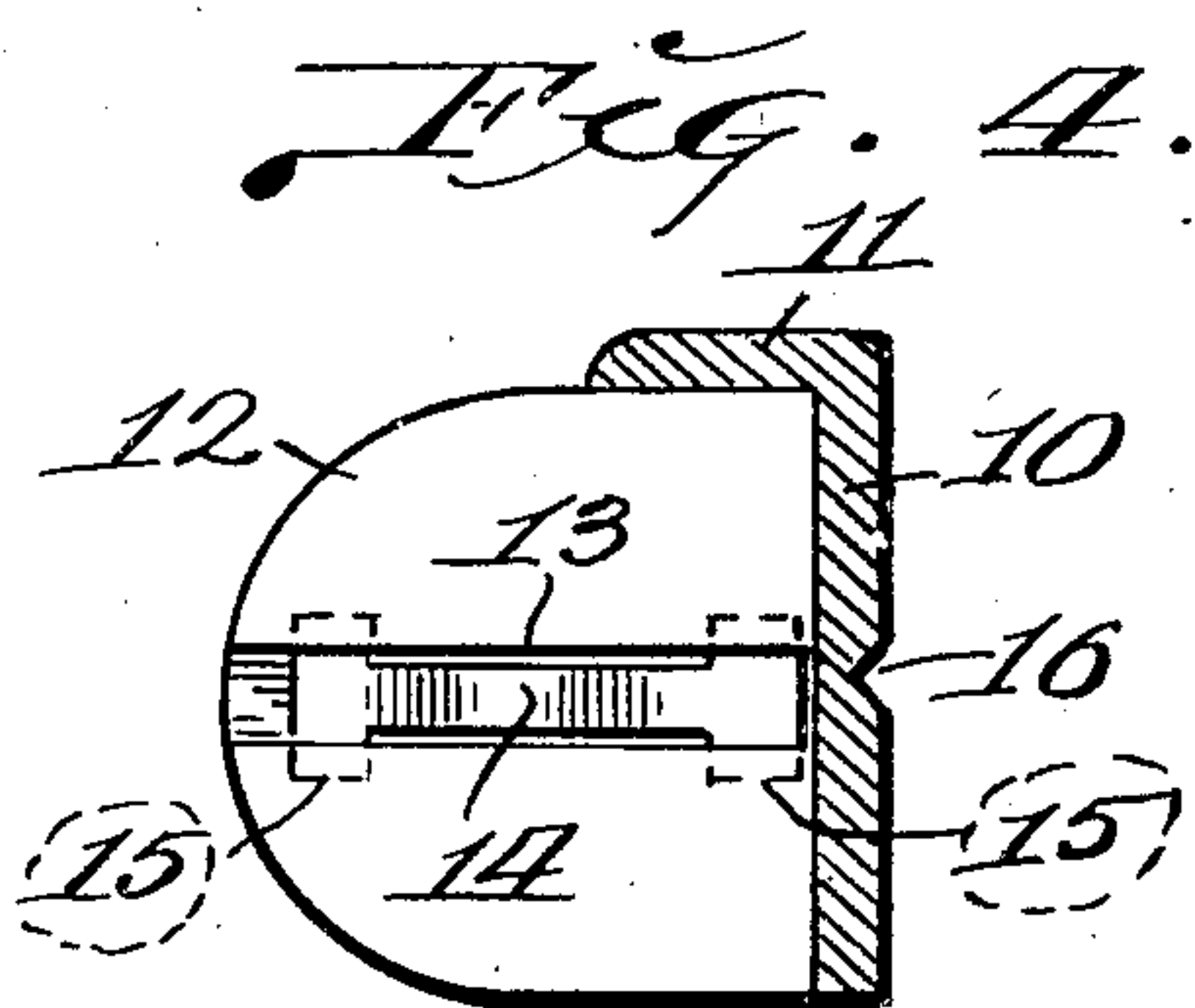
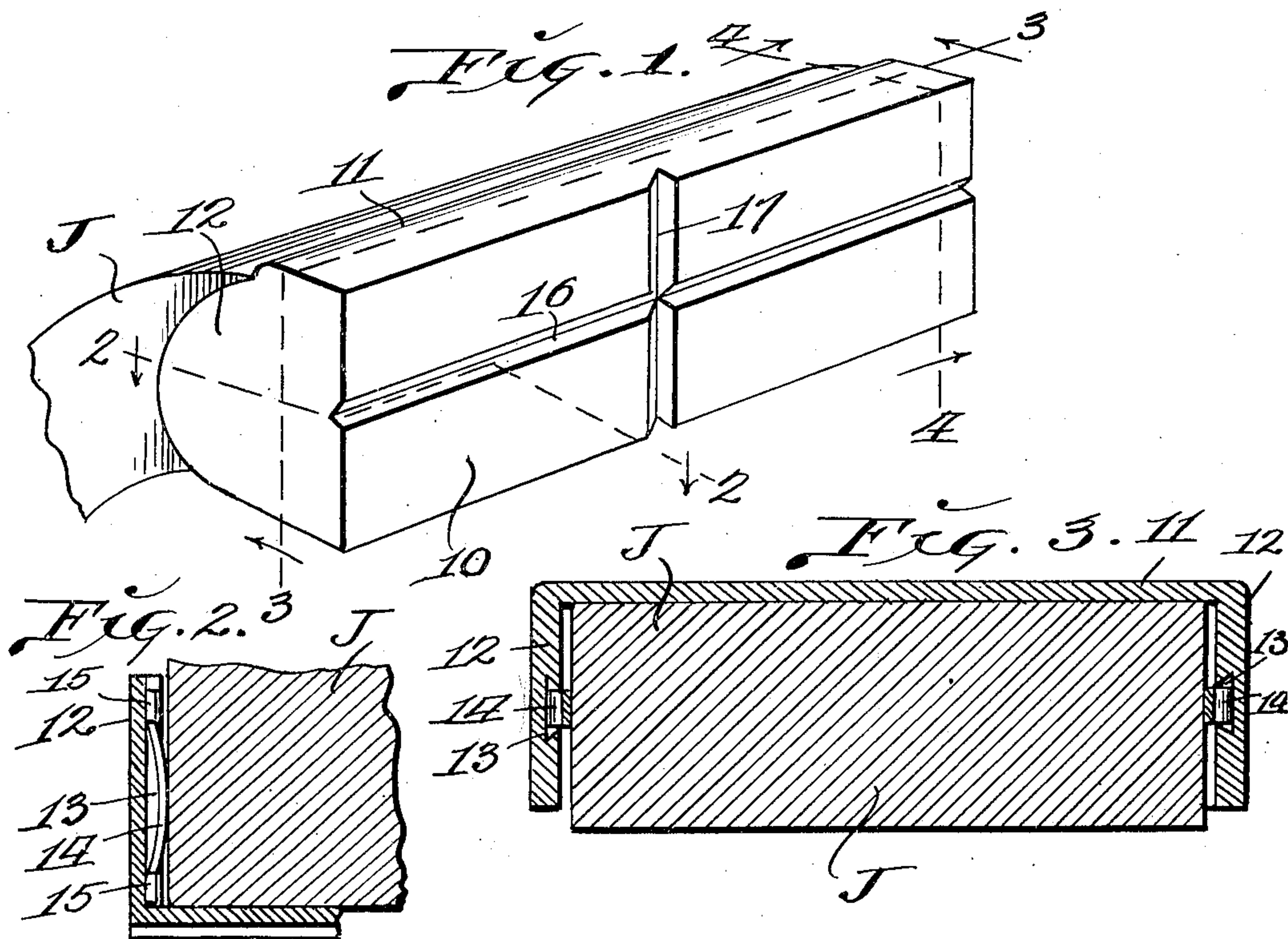
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WISE JAW FACEPLATE

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VISE JAW FACEPLATE

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1 Claim. (Cl. 81—38)

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The objects of my invention are, to provide the face plate with simple means, preferably springs which yieldingly engage the ends of the vise jaw, so as to very firmly anchor the face plate to the jaw, at the same time permitting its ready removal when desired; further, to construct and mount the face plate anchoring springs so that in the event of breakage, the broken spring may be readily removed and replaced by a new spring.

A further object of my invention is, to provide separately formed spacer blocks which may be used when the face plates are mounted on vise jaws which are shorter than the jaws of standard lengths.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts which will be hereinafter more fully described and claimed and illustrated in the accompanying drawings in which:

Fig. 1 is a perspective view of one of my improved face plates in position upon a vise jaw.

Fig. 2 is a horizontal section taken on the line 2—2 of Fig. 1.

Fig. 3 is a vertical longitudinal section taken on the line 3—3 of Fig. 1.

Fig. 4 is a cross section taken on the line 4—4 of Fig. 1.

Fig. 5 is a perspective view of one of the springs used for clamping the face plate on the vise jaw.

Fig. 6 is a sectional view showing one of the filler blocks used when the face plate is applied to a short vise jaw.

My improved face plate is preferably formed in a single piece from a moldable composition, which has a certain degree of flexibility but yet has greater resistance to compression than hard rubber, wood, aluminum, copper or the like.

The face plate consists of a rectangular plate 10 adapted to cover the gripping face of a vise jaw J, a top plate 11, projecting horizontally from the upper edge of said plate 11, so as to rest on top of the vise jaw and end plates 12 projecting from the ends of plate 10, below the ends of top plate 11.

Formed in the inner faces of end plates 12, are horizontally disposed dovetail or undercut grooves 13, in which are seated bow springs 14, which are effective in frictionally engaging the

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ends of vise jaw J and clamping the face plate thereto.

The central portions of the bodies of the springs 14 project slightly beyond the inner faces of the end walls and formed on the side edges of said springs at the ends thereof, are short narrow lips or flanges 15 which occupy the wide bottoms of the undercut grooves 13.

Thus, the springs are detachably seated in grooves 13 and in the event of breakage of a spring, same may be easily removed and replaced by a new spring.

Formed in the work gripping face of plate 10 are one or more longitudinally disposed grooves such as 16 also one or more vertically disposed grooves such as 17, thus providing means for receiving and securely holding small rods or the like, while work is being done on the end portions thereof.

My improved face plates may be made to fit all standard sizes of vise jaws but where a jaw shorter than the smallest standard size jaw is encountered a filler block such as 18, is placed between the end of the vise jaw and end wall 12 of the face plate and one or both side faces of said filler block are provided with groove such as 13 for the reception of springs 14.

Thus it will be seen that I have provided a face plate for vise jaws that is simple in structure, inexpensive of manufacture and very effective in performing the functions for which it is intended, viz., the firm gripping of work without marring, indenting or scratching the surface of the work gripped between the jaws.

It will be understood that minor changes in the size, form and construction of the various parts of my improved face plate for vise jaws may be made and substituted for those herein shown and described without departing from the invention, the scope of which is set forth in the appended claim.

I claim as my invention:

A face plate for vise jaws comprising a plate adapted to overlies the face of a vise jaw, plates projecting rearwardly from the top and ends of said first mentioned plate, there being undercut grooves formed in the inner faces of the end plates and bow springs loosely seated in said grooves, short narrow flanges projecting from both sides of said spring at the ends thereof,

and said flanges extending into said undercut grooves with the bowed central portions of said springs projecting outwardly through said grooves for engagement with the end faces of the vise jaw.

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