

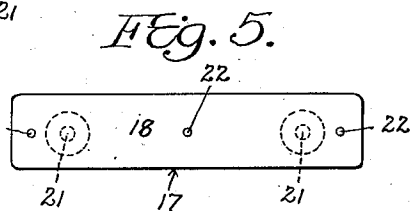
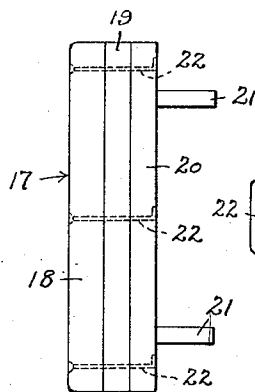
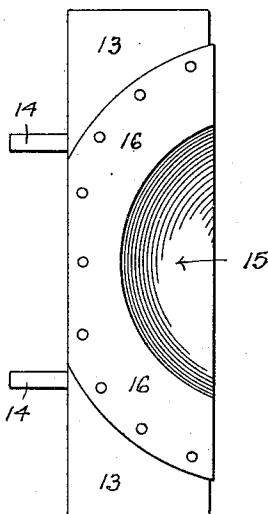
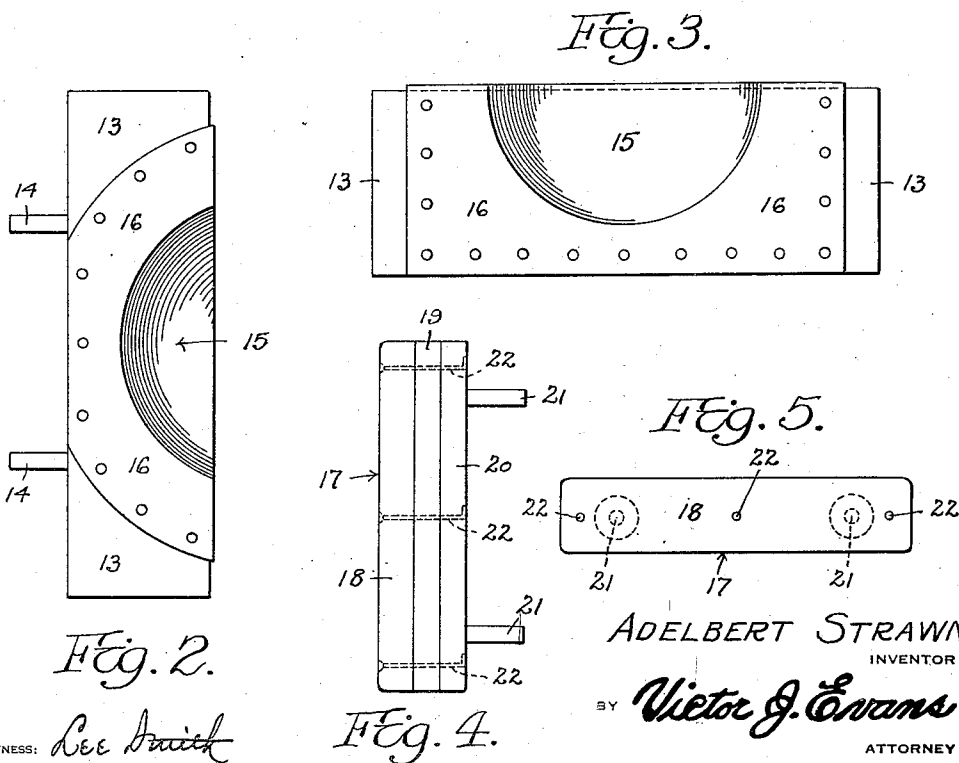
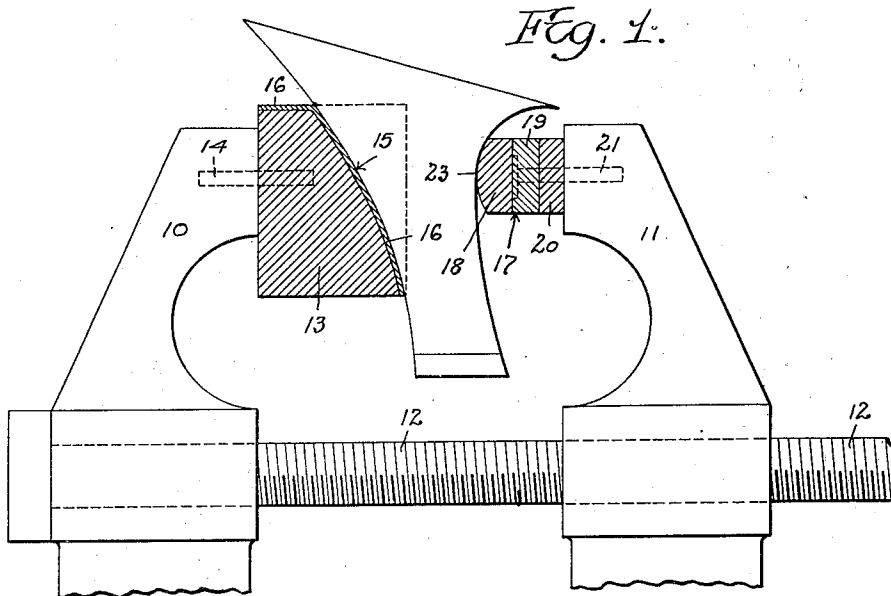
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A. STRAWN

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CLAMP FOR WOODEN HEELS

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## UNITED STATES PATENT OFFICE

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## CLAMP FOR WOODEN HEELS

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This invention relates to certain new and useful improvements in clamping vises and more particularly in the provision and arrangement of faces therefor for the accommodation of the fancier types of shoe heels whereby the latter may be readily applied to shoes uninjured.

One of the principal objects of the invention consists of jaw faces of this character having the opposing portions thereof shaped in such manner that the heels may be readily accommodated and rigidly retained against accidental displacement during the process of applying the same to shoes.

With the above and other objects in view, the invention further consists of the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claim.

In the drawings:

Figure 1 is a fragmentary side elevation of a conventional form of vise construction with the improved forms of jaw faces in section and in use.

Figure 2 is a top plan view of one of the jaw faces.

Figure 3 is a front elevation of the aforementioned jaw face.

Figure 4 is a view similar to Figure 2 of the companion jaw face.

Figure 5 is a front elevation of the second mentioned jaw face.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the reference characters 10 and 11 indicate generally the fixed and movable jaws of a vise cooperatively associated through the instrumentality of a screw threaded shaft 12 for moving the latter mentioned jaw toward and away from the fixed jaw.

The above construction is conventional and forms no part of the present application for Letters Patent but is mentioned merely for purposes of illustration in bringing forward the novel advantages of the present invention.

A jaw face 13 comprising an elongated body disposed in the manner suggested as in

Figure 1 of the drawings with respect to the fixed or stationary jaw 10 is connected therewith through the instrumentality of pin members 14 projecting within openings in the immediate jaw. As shown, the inner side of the jaw face 13 is cut away as at 15 to provide a recess or pocket of the configuration shown in Figures 1, 2 and 3 of the drawings and which is designed to conform in outline to the general shape of the fancier types of heels worn by women. The recess 15 as well as appropriate portions of the jaw face 13 communicating therewith and the top of the jaw face is covered with a layer 16 of suitable composition, such as leather, canvas and the like. The companion jaw face, alluded to in the foregoing, and as indicated at 17, is composed of several layers, namely, 18, 19 and 20 respectively. The layers 19 and 20 are preferably flat and laminated in the manner shown in Figure 1 of the drawings, the layer 20 reposing against the immediate face of the movable jaw 11 of the vise. Headed studs 21 having the shanks therefor passed through the superimposed layers 19 and 20 and suitably anchored within openings in the movable jaw 11 have the heads therefor suitably recessed within the outer surface of the layer 19.

The outermost facing layer 18 of the jaw face 17 has the outermost flat side thereof reposing against the immediate side of the layer 19 and flush against the heads of the studs 21. The layer 18 is secured to the layers 19 and 20 through the employment of fastenings 22. The innermost working face of the layer 18 is curved as at 23 in conformity to the immediate portion of a shoe. From the foregoing it is understood that the fancy types of heels worn extensively by women may be readily accommodated between the jaw faces 13 and 17 respectively in such manner that the upper portion of a shoe may be readily attached. The shape of the heel itself having much to do in accordance with the manner of attaching due to the fact that the heel will wedge itself between the jaw faces incident to the amount and degree of stress exercised thereagainst. Being that the layer or facing 16 for the jaw face 13 is of

soft leather and that the layer 18 composing the inner portion of the jaw face 17 is also of leather, it is to be noted that the finish or texture of the covering of the heel proper  
5 will not be marred nor injured.

The invention is susceptible of various changes in its form, proportions and minor details of construction, and the right is herein reserved to make such changes as properly  
10 fall within the scope of the appended claim.

Having described the invention, what is claimed is:

A shoe heel clamp for use upon the jaws of a vise comprising a block adapted to be  
15 applied to the work engaging face of one jaw of the vise, the vertical dimension of the block being greater than the vertical dimension of the work engaging face of said jaw whereby portions of the block extend above  
20 and below the upper and lower edges of the work engaging face of said jaw, supporting pins carried by the block and adapted to enter said jaw, said block having at its side a recess adapted to receive the rear portion  
25 of the heel of a shoe, a bar member having pins adapted to be applied to the other jaw of the vise, the vertical dimension of said bar member being less than the vertical dimension of the work engaging face of the  
30 second mentioned jaw whereby the upper and lower edges of said work engaging face lie above and below the upper and lower sides of the bar, said bar being of the same length as the block and having its intermediate portion disposed transversely across the  
35 intermediate portion of the recess of the block.

In testimony whereof I affix my signature.

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ADELBERT STRAWN.

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