

Jan. 1, 1924.

1,479,773

J. CRAIG

DETACHABLE HEEL

Filed July 2, 1923

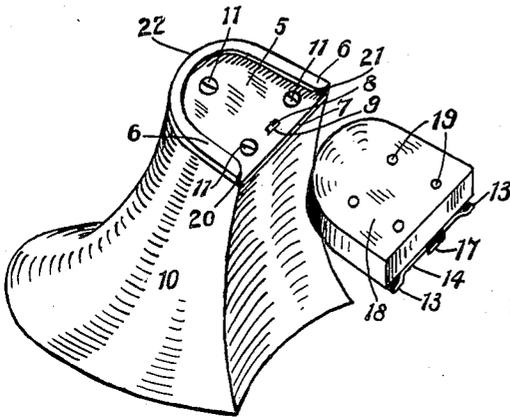


Fig. 1

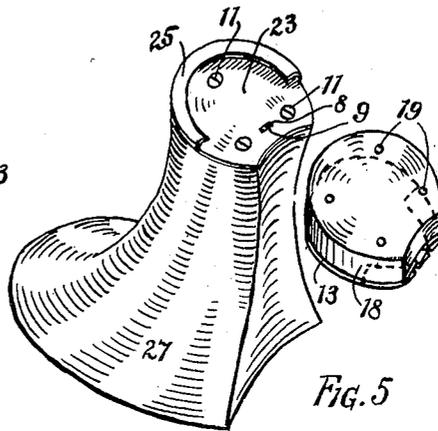


Fig. 5

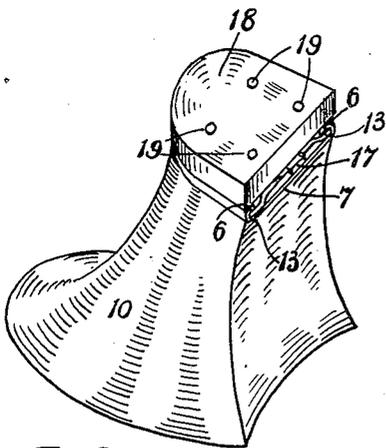


Fig. 2

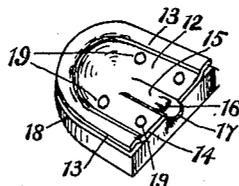


Fig. 3

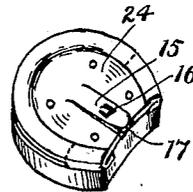


Fig. 6

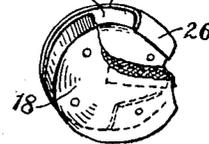


Fig. 7

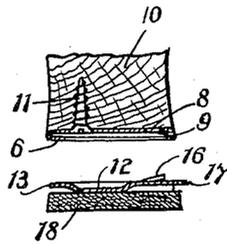


Fig. 4

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UNITED STATES PATENT OFFICE.

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DETACHABLE HEEL.

Application filed July 2, 1923. Serial No. 649,122.

To all whom it may concern:

Be it known that JAMES CRAIG, a subject of the King of Great Britain and Ireland, residing at 38 Copeland Street, Alexandria, near Sydney, New South Wales, Commonwealth of Australia, has invented certain new and useful Improvements in Detachable Heels, of which the following is a specification.

10 This invention relates to improvements in holding devices of detachable heel pads for boots and shoes and has been especially devised to provide devices of cheap and simple manufacture for fixing to the heel and heel
15 pad whereby the heel pad is quickly, easily and rigidly affixed to the heel of a boot or shoe and as quickly removed and replaced or another substituted therefor also to provide that when the heel pad is in place the device will not be objectionably noticeable
20 the pad appearing to be integral with the heel as ordinary.

In order that this invention may be clearly understood and carried into practical effect it will now be described with reference to the drawings accompanying and forming part of this complete specification. Fig. 1 is a perspective view of a square heel for a boot or shoe and pad therefor detached from one
30 another. Fig. 2 a view similar to Fig. 1 with the pad in wearing position slightly exaggerated in parts; Fig. 3 an inverted view of the pad for a square heel; Fig. 4 a medial longitudinal sectional elevation through a square heel and pad therefor;
35 Fig. 5 a view similar to Fig. 1 but showing the invention applied to a heel of substantially circular horizontal cross-section; Fig. 6 an inverted plan view of the pad shown in Fig. 5; and Fig. 7 a broken sectional view of the pad shown in Fig. 5. Although the devices shown in the drawings are those generally for feminine use these present improvements apply equally as well to masculine footwear.

45 Referring to Figs. 1 to 4 of the drawings:—

One element of these holding devices is the plate 5 with a curved or heel contoured inturned flange 6 a straight edge or front 7 and on its flat base, a mortice catch 8 with a raised edge or stop 9 and it is shaped complementary to the heel 10 to which it is fixed by screws 11. The other element is the plate 12 with a curved or heel contoured offset edge 13 and a straight edge or front 14 with a spring tongued stop carrier 15 fast

to or integral therewith with a stop 16 on said carrier 15 and with an obtruding press end 17. This plate 12 has the heel pad 18 fixed thereto by rivets or the like 19. 60

For the inturned flange 6 on plate 5 if desired may be substituted short inturned lugs at say the two corners of the heel 20 and 21 and at the back 22.

In use the plate 12 is slid with offset 13
65 inwardly of the inturned flange 6 or lugs of the plate 5 and as the pad juxtaposes with the heel the stop 16 is allowed by the resiliency of its carrier 15 to house in the mortice catch 8 and the pad is thus firmly
70 fixed to the heel. To withdraw the pad the obtruding end 17 of the carrier 15 is pressed towards the pad which action withdraws stop 16 from the said mortice 8 and the plate 12 may be pushed past it and with the
75 pad slid clear of the heel.

With reference to Figs. 5 to 7 wherein the invention is illustrated in connection with a substantially circular heel:—

The plates 23 and 24 in the said figures are
80 identical in construction to the plates 5 and 12 shown in Figs. 1 to 4, excepting that the flange 25 of the plate 23 is foreshortened, and the plate 24 is formed with an inturned flange 26 adapted to seat against the foreshortened flange 25 of the plate 23 when the
85 two plates 23 and 24 are placed in wearing position on the curved heel 27; the plate 24 is thus prevented from turning on the plate 23. 90

What I claim as my invention and desire to secure by Letters Patent is:—

The combination with a shoe heel member having a plane unbroken lower surface and a heel lift member having a plane unbroken upper surface, of a flat plate secured to and conforming to the shape of one of said members and having an inturned edge flange forming a curved pocket, a second flat plate secured to the other one of said members and of substantially the same shape as the last mentioned member, said second plate having its edge portion offset to provide a curved projection adapted to be inserted into said circular pocket, one of said
95 plates having a cut out portion providing a locking edge, and the other plate being slit longitudinally to provide a locking tongue having its free edge extending to the front of the heel to permit operation of the same
100 from the front of the heel, and a lug integral with the locking tongue adapted to abut
105
110

against the locking edge to hold said mem-
bers together, the major portions of said
plates being spaced apart to permit suffi-
cient movement of the locking tongue to
5 disengage the lug from the locking edge
without recessing the plane unbroken sur-
faces of the heel and lift.

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

JAMES CRAIG.

Witnesses:

W. J. DAUS,
GLADY GARDNER.