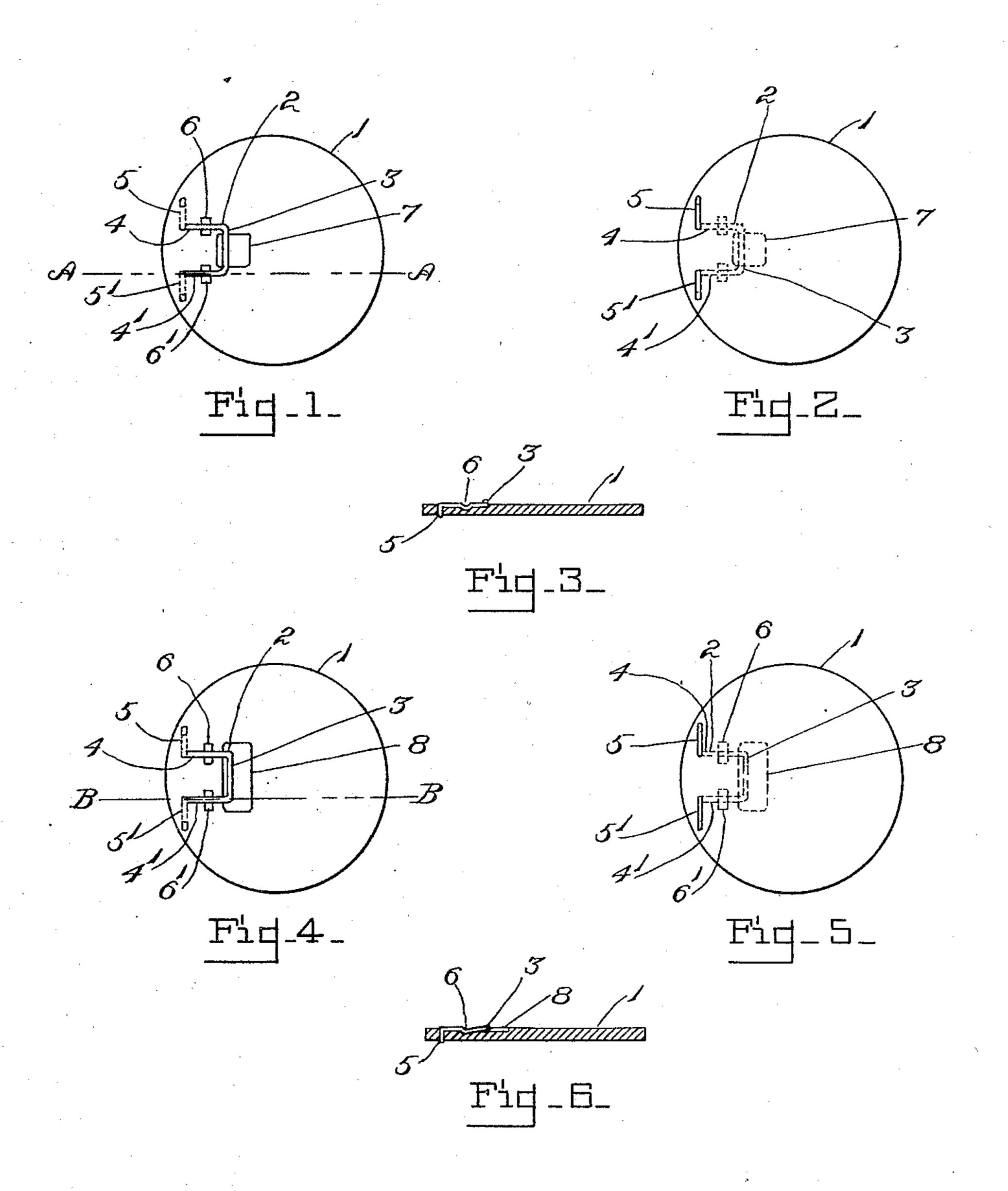
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BOTTLE CLOSURE AND THE LIKE

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UNITED STATES PATENT OFFICE

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BOTTLE CLOSURE AND THE LIKE

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The object of the invention is to provide a bottle or jar closure of the type commonly having attached thereto improved extracting tion or otherwise and I do not limit myself means for facilitating the removal of the closure from the bottle or jar in which it has been seated. More particularly the invention aims to so construct and combine the extracting means that the closure can be used 10 in the capping machines commonly used in the dairies to cap the bottles, and also aims to render easy the use of the extractor in removing the closure from the bottle.

The invention consists of a closure com-15 prising a thin disk of wood pulp or other material and an extractor device which commonly consists of a loop of wire with its closed handle portion at the upper surface

of the disk.

In order that the free extremity of the vice in loop form with the closed end portion 70 25 not to interfere with capping machine use, tom thereof to points within the periphery 75 on the upper surface of the disk to be imbedded in the disk at intermediate points in their length, thus not only securely anchoring the 30 limbs to the disk but also leaving the closed end portion in such relation to the surface 35 same to be securely held to the disk without disk, preferably flush or approximately flush 85 other than at the points which are thus imbedcapacity of the extractor. The end may lie 40 flat on the upper surface of the disk, or where an indentation has been made as shown in extractor the end may lie across the dented portion.

In many cases it is not essential that the ex-50 limbs is particularly effective.

It will be apparent that the invention can be applied in connection with other forms of used for sealing milk bottles and the like extractor devices whether of loop constructo the form shown in the drawings.

Referring to the drawings:—

Fig. 1 shows a top view of one embodiment of the invention.

Fig. 2 shows a bottom view of the closure shown in Fig. 1.

Fig. 3 shows a sectional view on line A, A, of Fig. 1.

Fig. 4 shows a modification of the invention.

Fig. 5 shows a bottom view of Fig. 4. Fig. 6 shows a sectional view on line B, B, of Fig. 4.

1 is the closure disk of wood pulp or other suitable material and 2 is the extractor dehandle portion may be easily engaged and 3, with its limbs 4 and 4' extending upon the lifted manually and at the same time the upper surface of the disk to points within handle portion may be held down in place the periphery where they pass through the with relation to the surface of the disk so as material of the disk and extend on the bot-I cause the two limbs of the extractor lying where the ends 5 and 5' again pass thru the disk and are clinched on the upper surface. At 6 and 6' the limbs at points intermediate in their length are bent downward or depressed relative to other portions of the limbs, 80 and the bent or depressed portions are imof the disk that a finger nail can be easily bedded in the material of the disk so that the pushed under it and the handle raised. This handle portion of the extractor is held down method of imbedding the limbs allows the in place with relation to the surface of the deeply cutting or denting the disk at points with the said surface. This indentation securely anchors the limbs to the disk, while ded, or unnecessarily weakening the holding leaving the end portion 3 in such relation to the disk surface as in Figs. 3 and 6 that while the handle portion is securely held a finger 90 nail can be easily inserted under the portion the drawings prior to the application of the 3 and the handle raised and the closure removed from the bottle.

In order to facilitate further the insertion of a finger nail, an indentation 7 in Fig. 1 93 tractor lie entirely flush with the upper and and 8 in Fig. 4 is made prior to the applicalower surfaces of the disk but only reason-tion of the extractor so that when the limbs ably so and in these instances this feature of are imbedded as in Fig. 1 the closed portion imbedding only intermediate portions of the 3 bridges the indentation, while in Fig. 4 the closed portion 3 rests upon the upper surface 100 of the indentation which in this case extends under and beyond the closed handle portion. I claim:

A bottle or jar closure comprising a thin disk and an extractor device of loop form with its closed handle portion at the upper surface of the disk and its limbs imbedded in the material of the disk at points intermediate in their length with the closed end raised in relation to the imbedded portions.

In testimony whereof, I affix my signature. FREDERIC K. PLYMPTON.

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