

A. A. WARNER.
DETACHABLE HANDLE.
APPLICATION FILED JUNE 9, 1911.

1,058,119.

Patented Apr. 8, 1913.

Fig. 1.

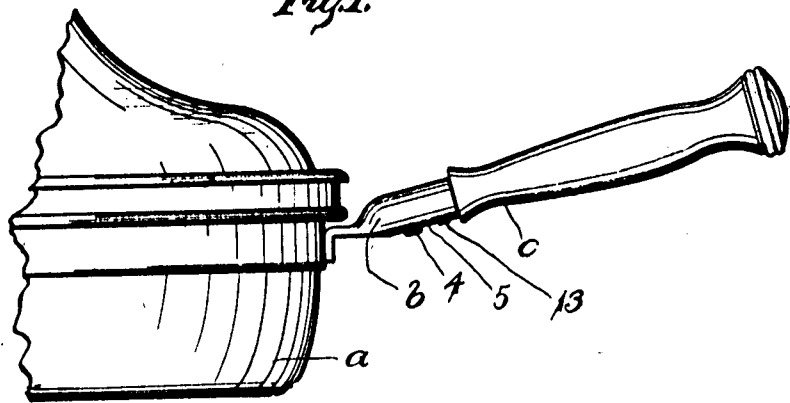


Fig. 2.

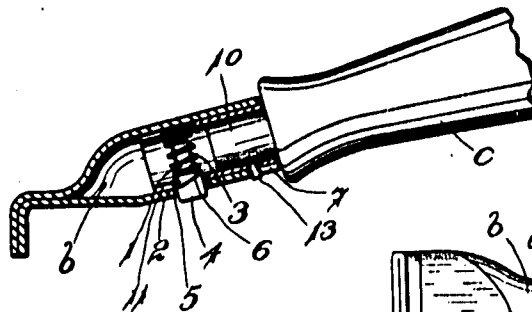
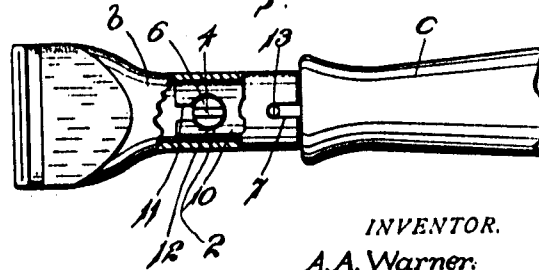


Fig. 3.



WITNESSES:

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DETACHABLE HANDLE.

1,058,112.

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To all whom it may concern:

Be it known that I, ALONZO A. WARNER, a citizen of the United States, and resident of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Detachable Handles, of which the following is a specification.

The invention relates particularly to a handle for chafing dishes and the like, its object being to produce a device of the character described having features of novelty and advantage as to construction, manufacture and use.

In the drawings: Figure 1 is a side elevation of a portion of a container to which the improved handle is applied. Fig. 2 is a detail view of the detachable structure shown in central vertical section. Fig. 3 is a bottom view of the structure shown in Fig. 2 with a part broken away to show construction.

The invention is illustrated as embodied in a handle for a chafing dish, *a* denoting a portion of the dish, *b* a socket secured thereto as by brazing, and *c* the removable handle.

The socket or female member is provided with a transversely arranged detent 1 having an enlarged head 2 and supported in place by a spring 3, with a tip 4 and projecting from the head through an aperture 5 in the wall of the socket, which may be engaged by the finger to depress the detent against the spring which normally holds it in position with its head bearing against the interior of the socket wall. Preferably the outer end of the head is inclined with respect to the inner wall of the socket toward the mouth of the socket so that as the ferrule carried by the handle is pushed into the socket it will enter between the wall of the socket and the head of the detent and so act to depress the detent. As illustrated the head of the detent is beveled as indicated at 6 though, of course, the resulting structure can be produced in other ways as by slightly inclining the entire detent. The end of the socket is also slotted as indicated at 7.

The handle *c* has a ferrule or male member 10 secured to it and adapted in size to closely fit within the socket. The front edge of this ferrule is slotted as at 11 to freely receive the tip 4, this slot opening into an aperture 12 which is sufficiently large to re-

ceive the head of the detent and provide a shoulder with which it interlocks. The ferrule is also provided with a pin 13 which rides in the slot 7 in the socket to assist in supporting and steadying the handle.

In the use of this handle the ferrule is pressed into the socket its slot being held in alignment with the tip 4. The edge of the ferrule enters between the detent head and the interior wall of the socket gradually depressing the detent, the tip riding through the slot 11 until the aperture 12 in the ferrule is in alignment with the detent when the spring will move the detent to normal position, projecting through the aperture 12 and locking the handle in the socket.

To remove the handle it is only necessary to depress the tip sufficiently to disengage the head of the detent from the ferrule when the handle can be readily withdrawn.

The structure as it will be seen is very simple, inexpensive to manufacture and very convenient to use. I am aware that in its details it may be altered without departing from the spirit of the invention.

I claim as my invention:

1. A device of the character described comprising a socket, a spring-pressed detent mounted therein and adapted for longitudinal movement, a ferrule adapted to fit within said socket and recessed to receive said detent, interengaging parts on said detent and ferrule, and means for moving said detent to disengage it from said ferrule.

2. A device of the character described comprising a socket, a spring-pressed detent arranged transversely thereof, a tip secured thereto extending through an aperture in the wall of said socket, a handle provided with a ferrule and slotted to receive said tip and a shoulder on said ferrule adapted to interlock with said detent when it is in its normal position.

3. A device of the character described comprising a socket, a spring-pressed detent arranged transversely thereof, a tip of reduced size attached to said detent and projecting through an aperture in the wall of said socket the face of said detent being inclined to the wall of the socket, a handle provided with a ferrule adapted to fit within said socket and having a slot to receive said reduced tip, and a shoulder back of said slot adapted to interlock with said detent.

4. A device of the character described

comprising a socket member, a detent arranged transversely thereof with an end face abutting against its inner wall, with its face angularly disposed with relation to the wall of the socket, a tip of reduced size projecting from the end of the detent through an aperture in the socket, a handle, a ferrule thereon adapted to fit closely within the socket said ferrule being slotted to receive said tip and a shoulder in said ferrule back of said slot adapted to interlock with said detent.

5. A device of the character described comprising a socket, a spring-pressed detent located within and transversely of said socket, means for holding said detent with an end face against the inner wall of said socket and slightly inclined thereto toward the open end thereof, a tip of reduced size projecting from said face through an aper-

ture in the wall of the socket and by means of which said detent is adapted to be moved longitudinally, a handle provided with a tubular ferrule having a slot of less width than the diameter of the detent face to receive said tip, the walls of said ferrule at either side of the slot being adapted for engagement with the inclined end of said detent whereby said detent is depressed upon the inward movement of the ferrule into the socket, said ferrule being provided with an aperture into which said slot opens, said aperture being adapted in size to receive the head of said detent and lock said handle in position in said socket.

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Witnesses:

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