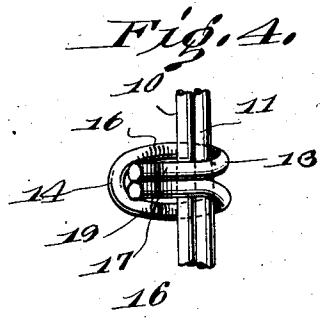
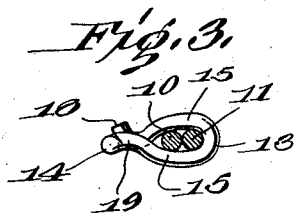
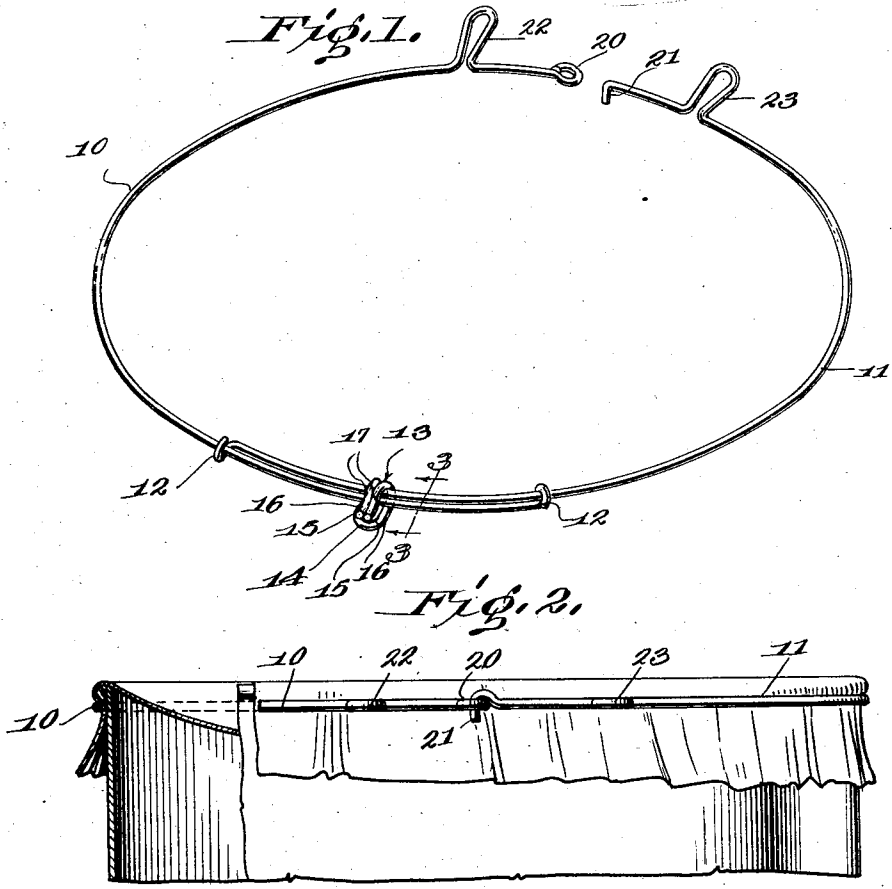


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C. M. HUBBARD
STRAINER CLOTH FASTENER

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Inventor

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UNITED STATES PATENT OFFICE.

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STRAINER-CLOTH FASTENER.

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The present invention relates to a strainer cloth fastener, and aims to provide a novel and improved device of this character, which can be conveniently positioned around a pail for efficiently holding a strainer cloth across the top of the pail during the straining of a liquid through the cloth.

Another object of the invention is the provision of a device as above outlined, constructed of two sections which have one end of each arranged for connection to the other, said sections having the opposite ends thereof slidably attached together, and having a spring clamping means arranged to engage each section at their slidably connected ends for yieldably holding said ends against sliding movement.

A further object of the invention is to provide a handle member on each section adjacent the ends of the sections arranged for connection together, said handle members being provided by offsetting a portion of each section, which will permit a certain amount of yieldable expansion of the device found desirable in devices of this character.

It is also an object of the invention to provide a device of the above indicated character, which is simple and substantial in construction, which can be manufactured economically, and which will be thoroughly efficient and practical in use.

With the foregoing and other objects in view, which will be apparent as the description proceeds, the invention resides in the construction and arrangement of parts, as hereinafter described and claimed, it being understood that changes can be made within the scope of what is claimed, without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a perspective view of my improved device,

Figure 2 is a side elevation of the same, showing a portion thereof broken away, and showing the device arranged about the top of a pail,

Figure 3 is a cross section taken on line 3-3 of Figure 1, and

Figure 4 is a fragmentary top plan of the clamping element.

In carrying out the invention, the numerals 10 and 11 designate a pair of sections, constructed of spring wire, and arranged for connecting the opposite ends thereof together in order to hold a strainer cloth over

the top of a pail. One end of each section 10 and 11 is provided with an eye 12 offset for slidably receiving the other section, as clearly shown in Figure 1 of the official drawing. It will be noted that by slidably attaching one end of each section to the other section that portions of each section lie parallel and adjacent each other. Arranged upon the parallel arranged spaced portions of the sections 10 and 11 is a spring element 13 for yieldably holding said sections against sliding movement with relation to each other. The element 13 is constructed of spring wire bent intermediate its ends, as at 14, and having the side portions 15 slightly bowed outwardly, as at 16, adjacent the point of bending 14, and then having said side portions 15 arranged in contact with each other and lying side by side, as at 17. The side portions 15 are bent upwardly, adjacent the point where the same are brought to contact with each other, in loop formation, so as to extend around the parallel arranged portions of the sections 10 and 11. The terminals of the wire extend down between the bowed portions 16 thereof and have the extreme terminals turned upwardly, as at 18. The side portions 15 are also slightly turned upwardly at the bowed portions 16 adjacent the point of bending 14, as at 19. From the foregoing, it can be seen that the element 13 will frictionally engage the parallel arranged portions of the sections 10 and 11, thus yieldably holding the same against sliding movement.

Upon the opposite end of the section 10 is arranged an eye 20 for receiving an angled portion 21 carried by the opposite end of the section 11. The eye 20 and the angled portion 21 will serve as means for permitting the connection and disconnection of the device about a pail. The wires forming the sections 10 and 11 are provided with elongated offset portions 22 and 23 adjacent the eye 20 and angled portion 21 respectively, for forming finger engaging portions for placing or removing the angled portion 21 from the eye 20. It can be seen that by offsetting portions of the sections 10 and 11 to form the finger engaging portions 22 and 23 that the device may be slightly expanded for engagement about different size pails without adjusting the slidably connected ends of said sections.

In operation, the slidably connected ends

of the sections 10 and 11 are slid with relation to each other against spring tension of the element 13 so that said sections will snugly encircle a pail. The hand engaging offset portions 22 and 23 are then engaged and by moving the same the angled portion 21 may be inserted in the eye 20, thus holding the device snugly about the pail so as to retain the straining cloth in proper position. As the element 13 is constructed of spring wire, the same will always frictionally engage the slidably connected ends of the sections 10 and 11, thus preventing sliding movement thereof except when excessive pressure is applied to said sections. It is also to be noted by the construction of the element 13 that the tension on the slidably connected ends will not be lessened by continual use, and that the danger of the element 13 from becoming disconnected from said slidably connected ends is eliminated, due to the fact that the ends of the wire forming the element 13 extend down between the bowed portions 16 thereof.

Having thus described my invention, what I claim as new is:

1. A strainer cloth fastening device comprising a pair of sections constructed of wire, eyes formed on one end of each wire section for slidably receiving the other wire section therein so as to arrange portions of said wire sections parallel and adjacent each other, and spring means frictionally engaging the parallel arranged portions of said wire sections for yieldably holding the sections against sliding movement with relation to each other, and means arranged on the opposite ends of said sections for connecting the same together.

2. A strainer cloth fastening device comprising a pair of wire sections, means arranged upon one end of each wire section for slidably connecting the same to the other wire section, a spring element arranged about the slidably connected ends of said wire sections for frictionally engaging the same in order to yieldably hold the same against sliding movement, said spring element comprising a wire arranged in loop formation about said slidably connected

ends, and means arranged upon the opposite ends of said sections for connecting the same together.

3. A strainer cloth fastening device comprising a pair of wire sections, one end of each wire section arranged for slidably attaching the same to the other wire section, and a spring element arranged about said slidably connected ends of said wire sections for frictionally engaging the same in order to yieldably hold the same against sliding movement, said spring element comprising a wire bent intermediate its ends and having its ends arranged adjacent each other and looped about said slidably connected ends of said sections.

4. A strainer cloth fastening device comprising a pair of wire sections, one end of each wire section arranged for slidably attaching the same to the other wire section, and a spring element arranged about said slidably connected ends of said wire sections for frictionally engaging the same in order to yieldably hold the same against sliding movement, said spring element comprising a wire bent intermediate its ends and having its ends arranged adjacent each other and looped about said slidably connected ends of said sections, said wire having the terminals thereof arranged between the side portions of said wire formed by bending the same intermediate its ends.

5. A strainer cloth fastening device comprising a pair of wire sections, means for slidably attaching one end of each section to an end of the other section, spring means for frictionally engaging the slidably connected ends of the sections for yieldably holding the same against sliding movement, means arranged on the opposite ends of said wire sections for connecting the same together, and elongated offset portions formed in said wire sections adjacent the ends for connection together for providing finger engaging portions, said finger engaging portions providing means for permitting a certain yieldable expansion of the device.

In testimony whereof, I have affixed my signature.

CLAYTON M. HUBBARD.