March 31, 1931. J. R. WELTON 1,798,572

SUPPORT FOR THREAD CLEANERS

Original Filed Nov. 2, 1927

Fig. 1.

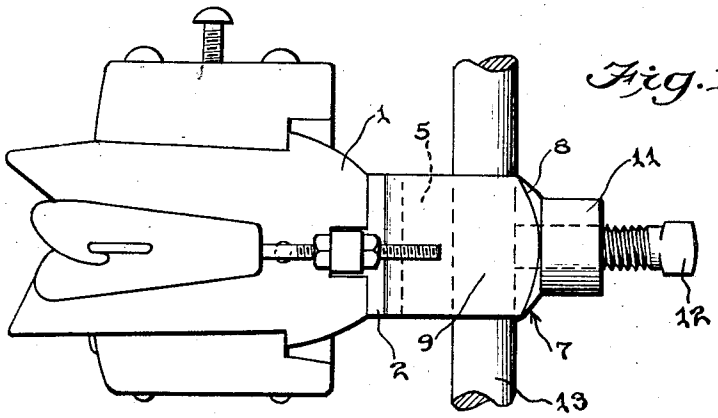


Fig. 2.

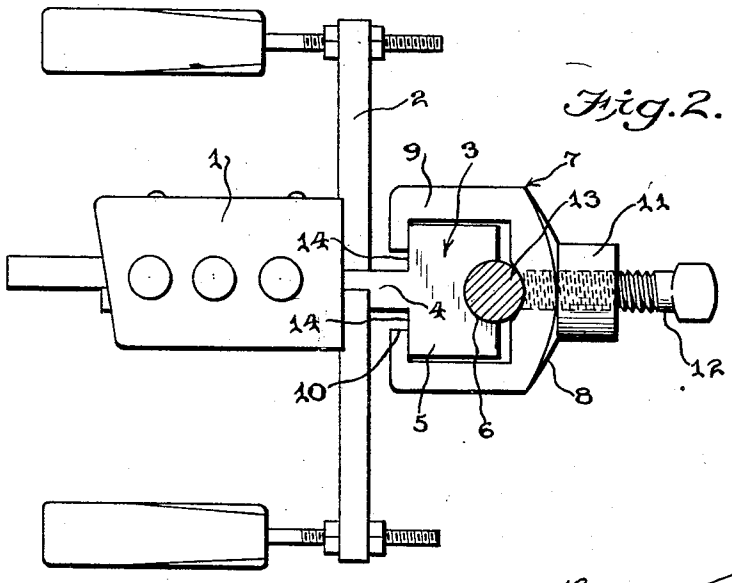
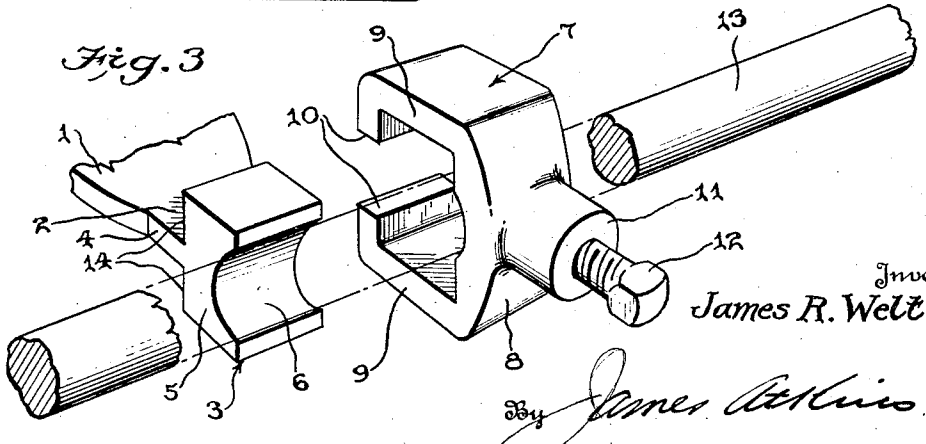


Fig. 3



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UNITED STATES PATENT OFFICE

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SUPPORT FOR THREAD CLEANERS

Original application filed November 2, 1927, Serial No. 230,587. Divided and this application filed October 26, 1928. Serial No. 315,269.

This invention relates to improvements in supports, and especially to a novel support for use in securing a thread cleaner to the supporting bar on a spinning machine.

The primary object of the invention is to provide a support of simple, inexpensive and durable construction, which will firmly hold the supported part in position, but which will allow the supported part to be instantaneously attached to, or detached from the supporting bar when necessary.

Another object of the invention is to furnish a support, consisting essentially of but two elements, one of which is designed to embrace the supporting bar and the other part, and to be secured in position by a screw or the like.

Another object is to provide a two-part support, one part being of T-shape, and the other of C-shape, these parts being connectible or detachable from each other when one or the other part is moved relatively to the other, along the supporting bar.

The present application is a division of my application Serial No. 230,587, filed November 2, 1927.

With the foregoing objects outlined and with other objects in view which will appear as the description proceeds, my invention consists in the novel features hereinafter described in detail, illustrated in the accompanying drawing, and more particularly pointed out in the appended claim.

Referring to the drawing,

Fig. 1 is a top plan view of a thread cleaner and a portion of a supporting bar with my improved support connecting the same together.

Fig. 2 is a side elevation of the same, with the bar shown in section.

Fig. 3 is a developed perspective view of the support and a portion of the supporting bar, the latter being broken away to facilitate illustration.

It is customary in spinning machinery, to use thread cleaners, and in my application Serial No. 230,587, I have fully disclosed a novel thread cleaner. This thread cleaner is designated 1 in the drawing of the present application, and its bracket 2, is provided at the rear with a T-shaped part or section 3, consisting of a stem 4, and a relatively thick head 5 having a parti-cylindrical recess 6 in its outer surface. This member of the support is best shown in Fig. 3.

The second member of the support consists of a C-shaped clamp 7, made up of a web 8, arms 9 and extensions 10; the latter projecting toward each other. A boss 11, provided with internal screw threads, is arranged on the web, and a nut 12 passes through this boss and through the web in order that its inner end may impinge against the supporting bar 13, which forms part of the spinning machinery.

The members of the support and the supporting bar are preferably made of metal, and in use, the head of the T-shaped member is inserted within the C-shaped member, by moving one or the other of said members relatively to the other while the stationary member is held against the supporting bar 13, and after the parts are brought into the position shown in Figs. 1 and 2, the screw 12 is turned and this causes its end to impinge against the bar 13, and to draw the extensions 10 against the surfaces 14 of the head of the member 3. This causes the surface of the notch 6 to tightly engage the cylindrical surface of the bar 13, with the result that the part will be held in position indefinitely in spite of vibration in the machine.

While I have described and illustrated my improved support for use in connection with a thread cleaner, it, of course, may be used to support various articles.

From the foregoing, it is believed that the construction, operation and advantages of the invention may be readily understood, and I am aware that changes may be made from the details disclosed, without departing from the spirit of the invention, as expressed in the claim.

What I claim and desire to secure by Letters Patent is:

In a device of the character described, the combination with a supporting rod, of a T-shaped supporting member having a thick head provided with a notch in its outer surface directly engaging said rod, and a C-

shaped clamp encompassing the head and slidably engaging the under surface of said head from either side thereof, and a screw threaded into the clamp and impinging against the supporting rod, for causing the clamp to bind against the under surfaces of the head.

JAMES R. WELTON.