

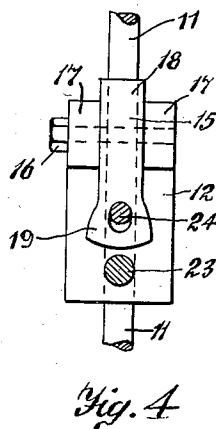
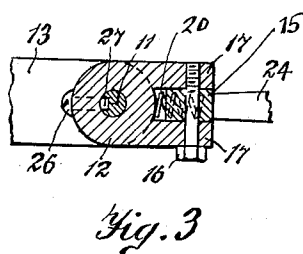
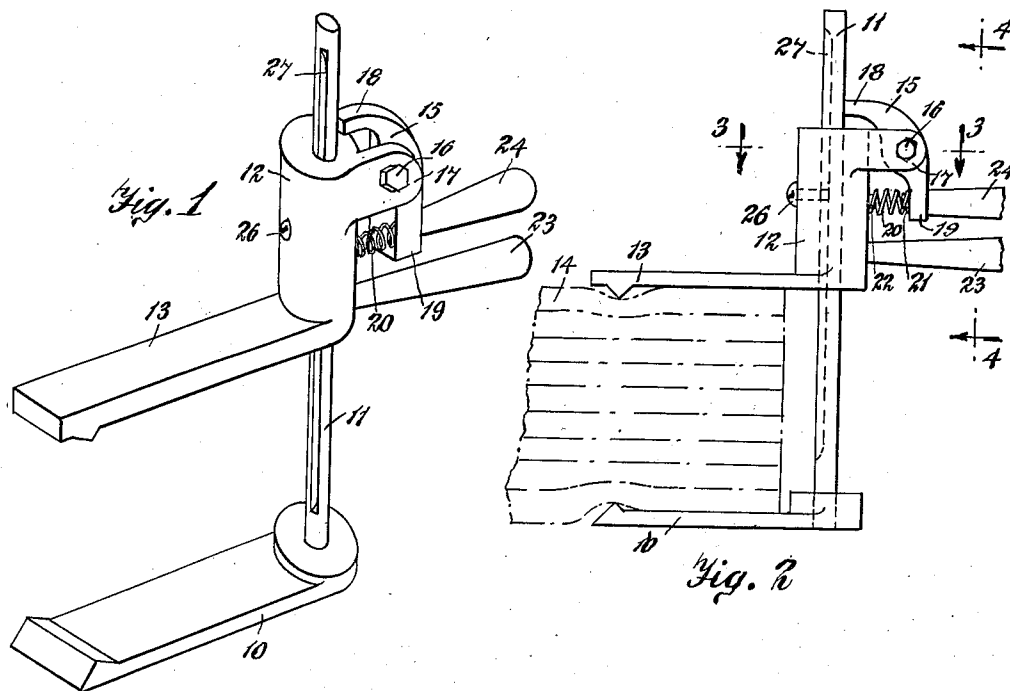
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CLOTH CLAMP

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CLOTH CLAMP

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2 Claims. (Cl. 164—79)

This invention relates to new and useful improvements in a cloth clamp.

The invention proposes a cloth clamp adapted to stand upon a cutting table, and having a movable jaw arranged to effectively maintain its adjusted position to clamp layers of cloth in conjunction with a stationary jaw.

More specifically, the invention proposes to characterize the stationary jaw by a flat bottom jaw element adapted to rest on the table. It is proposed that a rod be vertically mounted on the rear end of this jaw. It is proposed that the complementary top jaw be mounted and arranged in a certain manner on this vertical rod.

The invention proposes the use of a thick tubular member slidably mounted on the vertical rod and connected with and supporting the top jaw. A certain L-shaped finger is pivotally mounted on the tubular member and is cooperative with the rod in a certain way to hold the top jaw as desired in various adjusted positions.

Another object of the invention is the construction of a device as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a perspective view of a cloth clamp constructed in accordance with this invention.

Fig. 2 is a side elevational view of Fig. 1.

Fig. 3 is a horizontal sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a fragmentary sectional view looking in the direction of the line 4—4 of Fig. 2.

The cloth clamp, in accordance with this invention, includes a flat bottom jaw 10 adapted to rest on a cutting table or other similar support. A rod 11 is vertically mounted on the rear end of the bottom jaw 10. A thick tubular member 12 is slidably mounted on the rod 11. A top jaw 13 projects from the tubular member 12 and is cooperative with the bottom jaw 10 to clamp a stack of cloth layers, such as schematically indicated by reference numeral 14, together.

An inverted L-shaped finger 15 is pivotally mounted intermediate of its ends by a pintle bolt 16 on one side of the tubular member 12. The tubular member 12 is formed with a pair of side lugs 17 between which the finger 15 passes. The

bolt 16 is mounted through these lugs 17 and through a central area of the finger 15. The finger 15 has a top portion 18 abutting the rod 11. The finger 15 has a vertical side portion 19 extending along the side of the tubular member 12.

Resilient means is provided for urging the top portion 18 of the finger 15 to engage the rod 11. This resilient means comprises a helical spring 20 which is mounted between opposed lugs 21 and 22 formed upon the adjacent faces of the tubular member 12 and the side portion 19. This spring 20 tends to pivotally move the finger 15 so that the top portion 18 is forced against the rod 11. This tends to move the tubular member 12 laterally, firmly locking the tubular member 12 upon the rod 11.

A handle 23 projects from the tubular member 12. Another handle 24 is disposed parallel to the handle 23 and projects from the side portion 19 of the finger 15. The handles 23 and 24 may be manually pressed together to pivot the L-shaped finger 15 so that the top portion 18 disengages from the rod 11. Then the top jaw 13 may be moved upwards and downwards, as desired.

A screw 26 is mounted upon the tubular member 12 and engages a longitudinally extending slot 27 formed along one side of the rod 11 for preventing the tubular member 12 from turning on the rod 11. Thus the jaw 13 is capable of sliding up and down, and in all positions it will be superimposed above the jaw 10.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by United States Letters Patent is:

1. In a cloth clamp having a rod and a jaw adapted to move along said rod, a thick tubular member slidably mounted on said rod, said jaw projecting from said tubular member, an inverted L-shaped finger pivotally mounted intermediate of its ends on one side of said tubular member and having its top end abutting said rod and its bottom side portion extending along the side of said tubular member, resilient means urging the top portion of said finger against said rod, a handle projecting from said tubular member, and a handle disposed parallel to said handle and pro-

jecting from said finger, said tubular member being provided with a pair of spaced lugs, said side portion of the L-shaped finger passing between said lugs, and a pivotal bolt mounted on the lugs and through said side portion for comprising the pivotal mounting of said finger.

2. In a cloth clamp having a rod and a jaw adapted to move along said rod, a thick tubular member slidably mounted on said rod, said jaw projecting from said tubular member, an inverted L-shaped finger pivotally mounted intermediate of its ends on one side of said tubular member and having its top end abutting said rod and its bottom side portion extending along the side of said tubular member, resilient means urging the

top portion of said finger against said rod, a handle projecting from said tubular member, and a handle disposed parallel to said handle and projecting from said finger, said tubular member being provided with a pair of spaced lugs, said side portion of the L-shaped finger passing between said lugs, and a pivotal bolt mounted on the lugs and through said side portion for comprising the pivotal mounting of said finger, said resilient means comprising a spring located beneath said lugs and acting between the side portion of the L-shaped finger and a side portion of said tubular member.

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