Sept. 22, 1925. 1,554,391

C. TOWN

HANGER

Filed March 8, 1923

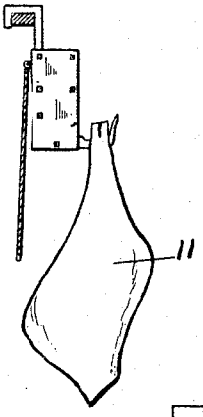


FIG. 1

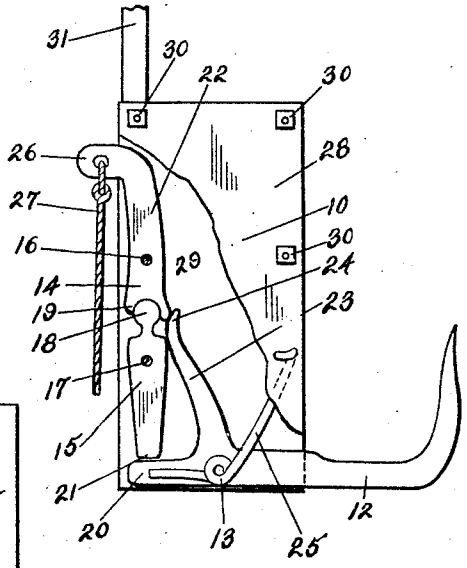


FIG. 2

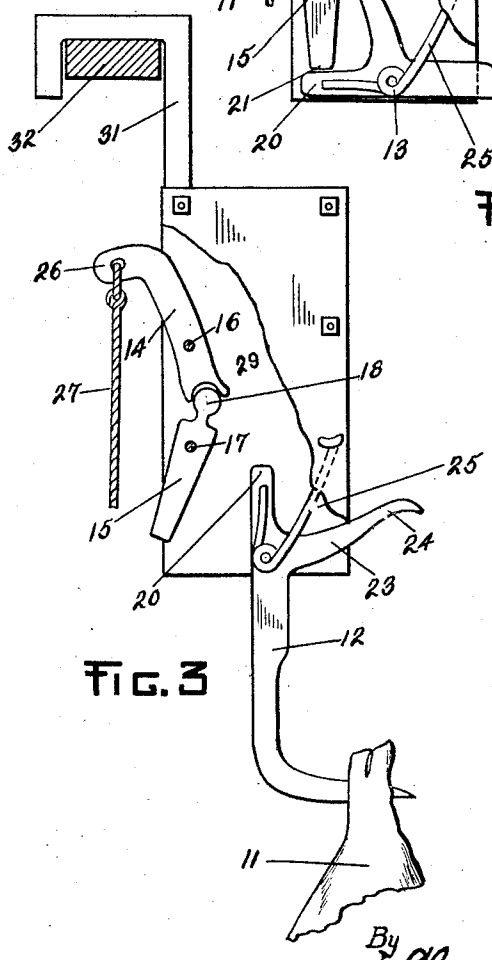


FIG. 3

INVENTOR

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Patented Sept. 22, 1925. 1,554,391

UNITED STATES PATENT OFFICE.

CLARENCE TOWN, OF KENNEDY, NEW YORK.

HANGER.

Application filed March 8, 1923. Serial No. 623,763.

To all whom it may concern:

Be it known that I, CLARENCE TOWN, a citizen of the United States, residing at Kennedy, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Hangers, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to an improvement in a hanger and more particularly in a hanger in which the supporting portion is pivotally mounted so that it may be lowered when desired in order to avoid raising the article when removing it from the hanger.

When a side of beef, or other heavy article, is supported on a hook it is very difficult to raise the article and usually requires more than one man. Many have attempted to avoid this by providing a hanger in which the hook itself is pivoted so that it may be lowered to facilitate the removal of the article but even in those cases the article must be raised somewhat.

The chief object of this invention is to provide a hanger having a hook normally held in supporting position by means of a toggle or other rigid brace and adapted, when released from said holding means, to be carried into the nonsupporting position by the weight of the article thereon, so that the article can be slid off the hook.

A further object of this invention is to provide the hook of such a hanger with an arm which functions when the hook is in normal position to set the holding means.

Other objects will appear from a consideration of the following specification taken in connection with the drawing which forms a part thereof and in which

Figure 1 is a side elevation of a hanger made in accordance with this invention upon which a side of beef is supported.

Fig. 2 is an enlarged side elevation of the hanger itself with a portion broken away in order to show the inter-relation of the various parts.

Fig. 3 is a view similar to Fig. 2 the hook being shown released and swung down by the weight of the meat supported thereon.

Referring to the drawing the reference numeral 10 is used to designate a meat hanger on which a side of beef or other meat 11 may be supported. In the meat hanger 10 the hook 12 is pivotally mounted at 13 and is normally held in position by means of the toggle members 14 and 15 which are also pivoted in the hanger at 16 and 17, respectively. The toggle member 15 has a cylindrical head 18 which sockets in a recess 19 of the member 14. The hook 12 has a heel 20 which, when the hook 12 is in the functioning position, is below and in contact with the lower end 21 of the member 15. As shown particularly in Fig. 2, this end 21 is so formed that the portion contacting with the heel 20 lies in the vertical line 22 which passes through the pivot points 16 and 17.

Projecting from the hook 12 is an arm 23 having a rounded tip 24 which bears against the toggle members 14 and 15. A spring 25, preferably wound around the pivot 13 of the hook 12 and engaging at one end the hanger and at the other end the hook, normally tends to hold the parts in position, as shown in Fig. 2. At the outer end of the toggle 14 is provided an arm 26 which projects beyond the face of the hanger and to which is connected a cord or chain 27. The hanger 10 is preferably made of plates 28 and 29 suitably bolted together as at 30 and serving as supports for the pivots 13, 16 and 17. At the upper rear edge of the hanger is provided a bent arm 31 which is adapted to pass over a beam 32, thus supporting the hanger in position.

From the construction above described it will be observed that the force exerted by the meat 11 to swing the hook 12 around the pivot 13 is resisted by the toggle members 14 and 15 which, under the influence of the tip 24 of the arm 23, are held in the position shown in Fig. 2 so as to form a rigid support for the hook. When it is desired to remove the meat the toggle is broken by pulling upon the cord 27. This causes the toggle members 14 and 15 to bend inwardly and as soon as the tip 21 of the member 15 is shifted out of the vertical line 22 the weight of the meat 11 will cause the hook to swing into position, as shown in Fig. 3, so that the meat can be removed without difficulty. Upon the removal of the meat the spring 25 causes the hook to swing back into its normal position, as shown in Fig. 2, the tip 24 striking against the members 14 and 15 of the toggle and causing them to return to the rigid position.

While only one embodiment of this invention has been shown and described, I am not to be limited thereto since it is obvious that

others may be made without departing from the spirit and scope of the invention as set forth in the following claims:

Having thus set forth my invention what I claim as new and for which I desire protection by Letters Patent is:

1. A hanger including a hook pivotally mounted therein on which an article may be supported, a toggle mechanism for holding said hook in supporting position, means for breaking said toggle to permit said hook to be swung downwardly on its pivot by the weight of the article supported thereon, a spring for returning said hook to supporting position upon the removal of the article and an arm on said hook adapted to make said toggle when the hook has returned to said position and thus hold the hook in the supporting position.

2. A hanger including a hook pivotally mounted therein on which an article may be supported, toggle mechanism including arms for holding said hook in supporting position, means acting upon one of said toggle arms for breaking the toggle to permit said hook to be swung on its pivot by the weight of the article supported thereon, a spring for returning said hook to supporting position upon the removal of said article and an arm on said hook adapted as the hook is returning to strike said toggle arms and make the toggle.

3. A hanger including a hook pivotally mounted therein on which an article may be supported, toggle mechanism including arms for holding said hook in supporting position, a heel on said hook against which one of said toggle arms bears when the toggle is made, means acting upon one of said toggle arms for breaking the toggle to permit said hook to be swung on its pivot by the weight of the article supported thereon, a spring for returning said hook to supporting position upon the removal of said article and an arm on said hook adapted as the hook is returning to strike said toggle arms and make the toggle.

In testimony whereof I have affixed my signature.

CLARENCE TOWN.