Nov. 2, 1926.

1,605,581

G. S. HEATH

HANGER FOR SHEET MATERIAL

Filed Jan. 24, 1925

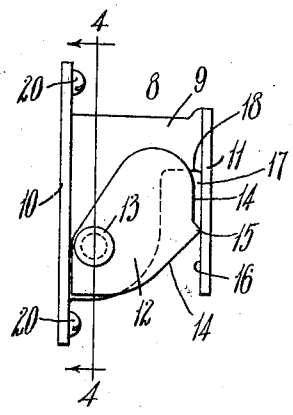


FIG. 1.

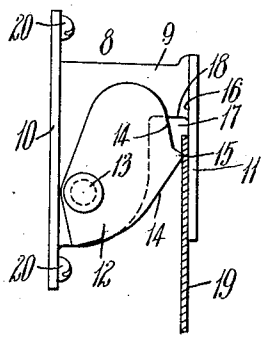


FIG. 2.

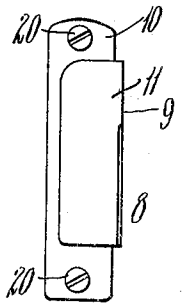


FIG. 3.

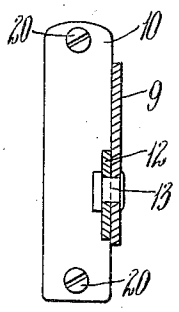


FIG. 4.

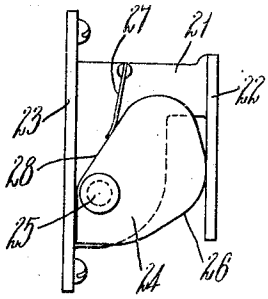


FIG. 5.

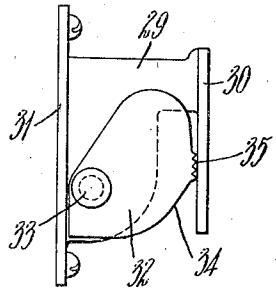


FIG. 6.

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UNITED STATES PATENT OFFICE.

GEORGE S. HEATH, OF REVERE, MASSACHUSETTS.

HANGER FOR SHEET MATERIAL.

Application filed January 24, 1925. Serial No. 4,605.

This invention relates to a hanger for sheet material, and is especially adapted for use in connection with the suspending of hides in order that they may be dried.

Heretofore it has been the practice to suspend hides by means of hooks inserted through the upper edges thereof. This practice resulted in the waste of a certain amount of the hide due to the holes made therein by the hooks, and also has led to considerable trouble by reason of the fact that the hide when hung on the hooks deposits thereon a material which has caused blood poisoning when the workman has hung up hides on the hooks and accidentally has cut or scratched his hands in so doing.

It is the object of this invention, therefore, to provide a simple, strong and durable device which will grip the hides and hold them suspended without puncturing them, and without any danger of cutting or scratching the hands of the workman when employed in attaching the hides thereto, or detaching them therefrom.

To these ends, the invention consists in a hanger of the character hereinafter set forth and of the construction and combination of parts particularly pointed out in the claims.

Referring to the drawings:

Figure 1 is a side elevation of a hanger embodying my invention.

Fig. 2 is a side elevation similar to Fig. 1 illustrating a portion of sheet material, such as a hide, suspended on the hanger.

Fig. 3 is a front elevation viewed in the direction of the arrows, Fig. 1.

Fig. 4 is a sectional elevation taken on line 4—4, Fig. 1 and viewed in the direction of the arrows on said line.

Fig. 5 is a side elevation of a modified form of my invention.

Fig. 6 is a side elevation of another modification of my invention.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, referring to Figs. 1 to 4 inclusive, 8 is a bracket comprising a body portion 9 and two oppositely disposed flanges 10 and 11 normal to said body portion. A gripping member 12 is pivoted by a stud 13 to the body portion 9. This gripping member is provided with a cam shaped edge 14 having a tooth 15 formed thereon. The material of which the gripping member 12 is composed is so distributed relatively to its axial line that when the hanger is in operative position, the gripping, or cam-shaped edge 14 and the tooth 15 will swing toward the inner surface 16 of the flange 11, this inner surface constituting a gripping surface as illustrated in Figs. 1 and 2.

The body portion 9 is provided with an opening, or slot 17 extending therethrough and adjacent to the gripping surface 16. This slot is open at the bottom thereof, the upper end 18 of the slot constituting a stop, whereby a sheet of material 19 may be properly positioned with relation to the gripping member 12 and the gripping flange 11. The flange 10 serves as a means for positioning the hanger upon a stationary support by means of screws 20, and when so positioned the flanges 10 and 11 will be in vertical planes and the axial line of the stud 13 will lie in a horizontal position.

The operation of the device hereinbefore specifically described is as follows:—Assuming the hanger to be fixed in position, that is with the flanges 10 and 11 lying in vertical planes and the gripping member 12 occupying the position illustrated in Fig. 1, the workman pushes the piece of sheet material, such as a hide, upwardly between the gripping edge of the member 12 and the gripping face of the flange 11 until the upper edge of the hide strikes against the upper end 18 of the slot 17.

He then releases the hide and as it moves downwardly, due to its weight, the tooth 15 will bite into it and grip it to the gripping surface 16 of the flange 11, and the hide will then be firmly secured in vertical position. To release the hide, it is only necessary to push it up against the end 18 of the slot 17 and down quickly. Pushing it up will throw the gripping member 12 away from the hide, and before it can drop back again by the action of gravity, the hide will have been removed by the quick downward movement imparted thereto by the workman.

Another way of removing the hide from the hanger would be to push upwardly on the hide and at the same time inwardly, thus causing the gripping member 12 to release its hold upon the hide which can then be removed by downward movement.

In Fig. 5 a modified form of my invention is illustrated, comprising a body por-

tion 21, gripping flange 22, rear flange 23, gripping member 24 and pivot 25. This device is substantially the same as the device illustrated in Figs. 1 to 4 inclusive, but differs therefrom in that the tooth 15 is omitted and the gripping of the hide to the flange 22 is performed by a cam-shaped gripping edge 26.

The device illustrated in Fig. 5 further differs from that illustrated in Figs. 1 to 4 inclusive by the inclusion therein of a spring 27 fastened at its upper end to the body portion 21, and bearing at its lower free end against the rear edge 28 of the gripping member 24. The operation of this device is the same as hereinbefore described as to attaching the hide to the hanger, but in removing the hide from the hanger, the workman presses the hide inwardly so that it bears against the gripping edge 26 below the pivot 25, thus overcoming the action of the spring 27 sufficiently to enable him to pull the hide downwardly and out of the hanger.

In Fig. 6 a modified form of my invention is illustrated consisting of a hanger comprising a body portion 29, a gripping flange 30, a rear flange 31, a gripping member 32 pivoted at 33 to the body portion 29 and provided with a gripping edge 34 upon a portion of which gripping edge teeth 35 are provided. The teeth 35 and all of this device operate as the tooth 15 and the other parts of the device illustrated in Figs. 1 to 4 inclusive, a plurality of teeth 35 being provided on the gripping edge so as to distribute the strain brought to bear upon the hide by its weight when suspended, and being less likely for that reason to tear or mark the same.

I claim:

1. A hanger for sheet material having, in combination, a bracket comprising a body portion, a pair of oppositely disposed flanges flat on said body portion, normal thereto and in alignment with each other, a gripping member pivoted to said body portion between said flanges and having a gripping edge oppositely disposed to a flat gripping surface on one of said flanges, said gripping member being so disposed relatively to its axial line when the hanger is in operative position as to cause its gripping edge to swing toward said gripping surface whereby a vertically positioned piece of sheet material inserted between said gripping edge and gripping surface may be held suspended on said hanger.

2. A hanger for sheet material having, in combination, a bracket comprising a body portion, a pair of oppositely disposed flat flanges normal to said body portion, and in alinement with each other one of said flanges having an inner flat gripping surface, the other of said flanges constituting means for fastening said bracket in a vertical position to a stationary support, a gripping member pivoted to said body portion between said flanges upon the same face of said body portion as the flanges and having a gripping edge oppositely disposed to said gripping surface the material comprising said gripping member being so disposed relatively to its axial line when the hanger is in operative position as to cause its gripping edge to swing toward and into contact with said gripping surface whereby a vertically positioned piece of sheet material inserted between said gripping edge and gripping surface may be held suspended on said hanger.

3. A hanger for sheet material having, in combination, a bracket comprising a body portion, a pair of oppositely disposed flanges normal to said body portion, one of said flanges having an inner gripping surface, the other of said flanges constituting means for fastening said bracket in a vertical position to a stationary support, a gripping means pivoted to said body portion between said flanges and having a gripping edge oppositely disposed to said gripping surface, the material comprising said gripping member being so disposed relatively to its axial line when the hanger is in operative position as to cause its gripping edge to swing toward said gripping surface whereby a vertically positioned piece of sheet material inserted between said gripping edge and gripping surface may be held suspended on said hanger, the said body portion being provided with a slot adjacent to said gripping surface and open at the bottom thereof, the upper end of said slot constituting a stop whereby said sheet material may be positioned with relation to said gripping member.

In testimony whereof I have hereunto set my hand.

GEORGE S. HEATH.