Aug. 16, 1927. 1,639,134

W. H. HALE

PAPER HANGING DEVICE

Filed April 26, 1926

Fig. 1

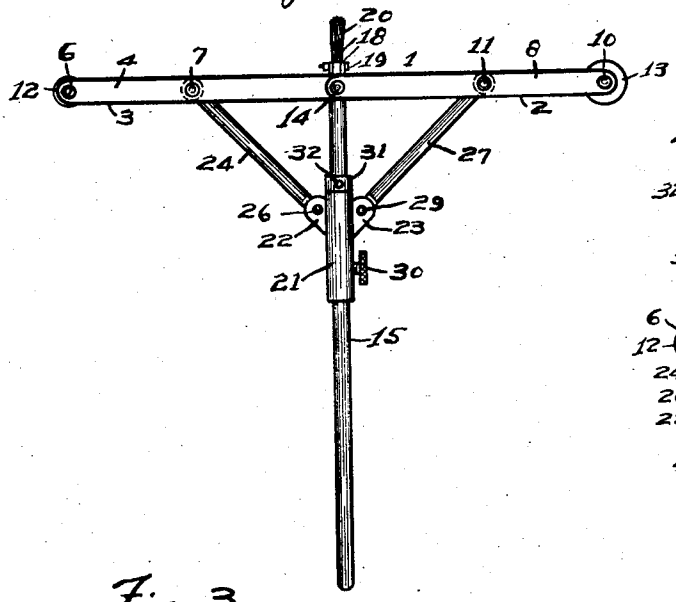


Fig. 2

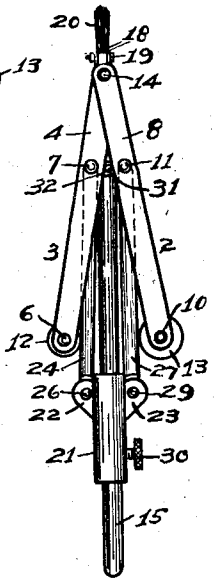
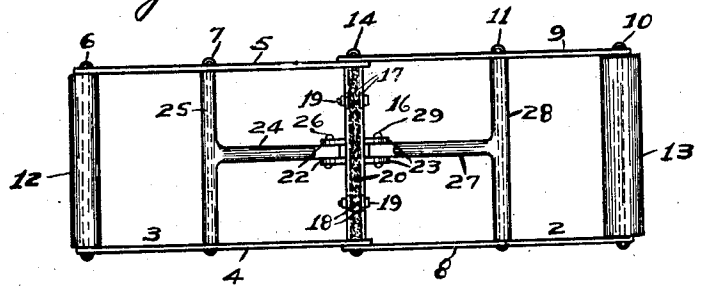


Fig. 3



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UNITED STATES PATENT OFFICE.

WILLIAM H. HALE, OF PITTSBURGH, PENNSYLVANIA, ASSIGNOR OF ONE-FOURTH TO CLAUDE G. BRITTON AND ONE-FOURTH TO SHERIDAN RANDALL, BOTH OF PITTSBURGH, PENNSYLVANIA.

PAPER-HANGING DEVICE.

Application filed April 26, 1926. Serial No. 104,618.

My invention relates to a paper hanging device and while primarily intended for placing wall paper on ceilings, it will be obvious that the device may be employed for any other purposes wherein it is found to be applicable.

The primary object of the invention is to provide a device of the character described, which will enable a wall paper hanger to secure the wall paper to the ceiling of a room from a standing position on the floor of the room, under such conditions obviating the necessity of scaffolding or ladders as now ordinarily required.

Further objects of the invention are to provide a device of the type stated, in a manner hereinafter referred to, which is simple in its construction and arrangement, strong, durable and efficient in its use, compactly collapsible, and comparatively inexpensive to manufacture.

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

In the drawing wherein like numerals of reference designate corresponding parts thoughout the several views:

Figure 1 is a side elevational view of a paper hanging device in the extended position and constructed in accordance with the invention.

Figure 2 is a similar view of the device in the collapsed or folded position.

Figure 3 is a top plan view of the device.

Referring in detail to the drawing 1 denotes a rectangular frame of a width approximately the standard width of wall paper. The frame comprises a front frame section 2 and a rear frame section 3. The frame sections 2 and 3 are disposed in longitudinal alignment relatively to each other. The rear frame section 3 consists of a pair of spaced parallel disposed bars 4 and 5 securely connected together by two fixed shafts, respectively indicated at 6 and 7. The front frame section 2 likewise consists of a pair of spaced parallel disposed bars 8 and 9, which are securely connected together by the fixed shafts 10 and 11.

The shaft 6 is carried at the outer end of the rear frame section 3 and has a small roller 12 rotatably mounted thereon. The shaft 10 is carried at the outer end of the front section and has a comparatively large roller 13 rotatably mounted thereon. The adjoining inner ends of the front and rear frame sections 2 and 3 are both pivotally connected with the center shaft 14.

An operating handle 15 is connected with the frame 1 by means of the center shaft 14, which extends through the tubular cross-arm 16 integrally formed with the upper end of the operating handle 15.

The cross-arm 16 is provided with two pairs of apertured ears, respectively indicated at 17 and 18. Each pair of ears 17 and 18 is disposed vertically and is provided with a bolt 19 for detachably clamping a paper brush 20 along the top of the cross-arm 16. The brush 20 is disposed above the frame 1 and extends upwardly.

A sleeve 21 is slidably mounted on the operating handle 15 and is provided with two pairs of diametrically disposed ears, respectively indicated at 22 and 23.

A brace rod 24, formed with a tubular cross-arm 25 at its upper end, is provided for supporting the frame section 2. The lower end of the brace rod 24 is pivotally connected in the pair of sleeve ears 22 by means of a pivot pin 26. The shaft 7, disposed centrally of the rear section 2, extends through the cross arm 25 and is pivotally connected therewith.

A brace rod 27, formed with a tubular cross-arm 28 at its upper end, is provided for supporting the frame section 2. The lower end of the brace rod 27 is pivotally connected in the pair of sleeve ears 23 by means of a pivot pin 29.

The shaft 11, disposed centrally of the front frame section 2, extends through the cross-arm 28 and is pivotally connected therewith.

A locking bolt 30 is carried by the sleeve 21 and engages the operating handle 15. A collar 31 is adjustably secured to the latter by a set screw 32, to limit the upward movement of the sleeve 21 on the operating handle 15. By adjusting the locking bolt 30, the

frame sections 2 and 3 may be shifted and locked to the extended or operative position, as shown in Figure 1, or folded to the collapsed position, as shown in Figure 2, of the drawing.

In practice the frame 1 is extended to the horizontal or operative position and is locked in such open position by the adjustment of the locking bolt 30. The wall paper, after being covered with the necessary pasting material, is placed on top of the frame 1. The operator, holding the device by the handle 15, places the wall paper against the ceiling to be papered. The rear roller 12 is merely intended as a paper carrier, but the front roller 13 is utilized for rolling the wall paper against the ceiling by drawing the device along the length of the wall paper, after which the latter is brushed to place by the brush 19 with a sweeping movement of the device.

What I claim is:

In combination, a paper hanging device comprising a rectangular frame structure consisting of a front section and a rear section, said front and rear sections being hingedly connected together, an operating handle having its upper end pivotally connected with said frame structure, a roller rotatably supported in the outer end of said rear section, an upwardly disposed detachably connected brush attached to the upper end of said operating lever and extending above said frame structure a sleeve slidably mounted on said operating handle, a pair of brace rods pivotally connected with said sleeve and with respective front and rear frame sections, said sleeve shiftable upwardly to dispose said front and rear frame sections in horizontal alignment relatively to each other to position said front and rear sections in the operative position, said sleeve shiftable downwardly to dispose said front and rear frame sections in the collapsed position, means for locking said frame structure in the operative and collapsed positions, and adjustable means for limiting the upward movement of said sleeve on said operating handle, substantially as described and for the purpose set forth.

In testimony whereof I affix my signature.

WILLIAM H. HALE.