May 21, 1940. W. L. KAUFFMAN, 2D 2,201,541

WRINGER

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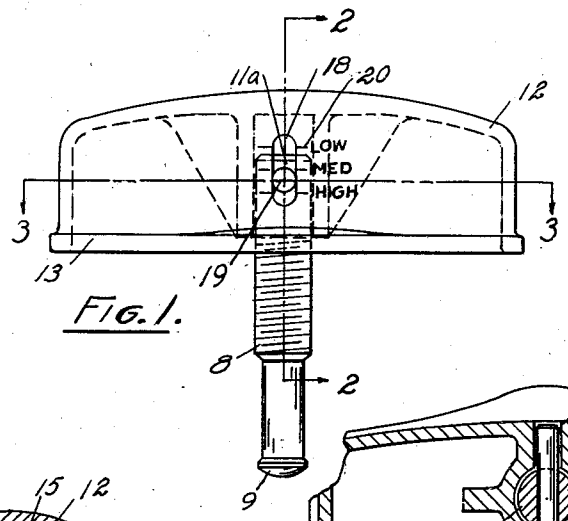

FIG. 1.

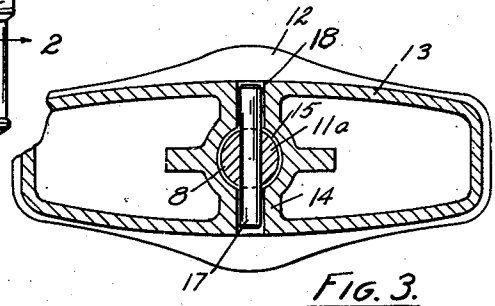

FIG. 3.

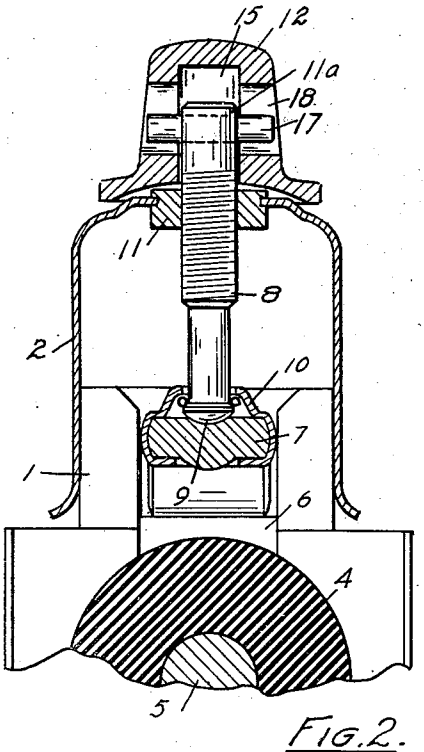

FIG. 2.

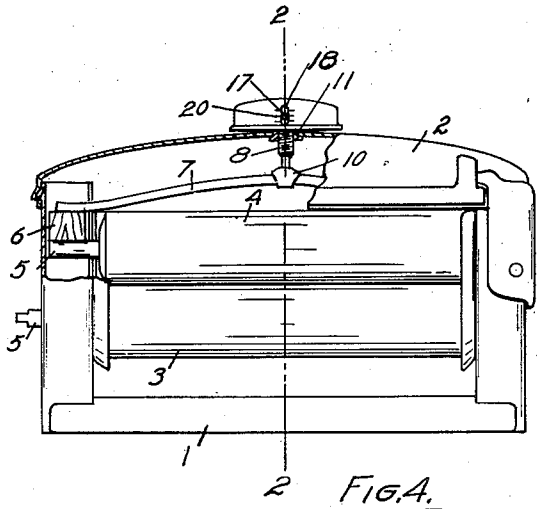

FIG. 4.

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2,201,541

WRINGER

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Application February 23, 1938, Serial No. 191,923

4 Claims. (Cl. 68—262)

Wringers are ordinarily provided with pressure screws for adjusting the pressure on the rolls. The present invention is designed to provide the pressure screw with means for indicating the adjustment of the pressure on the rolls effected by the screw. Features and details will appear from the specification and claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing as follows:

Fig. 1 shows a detached screw with its operating handle thereon.

Fig. 2 a cross section of a wringer on the line 2—2 in Fig. 4.

Fig. 3 a section on the line 3—3 in Fig. 1.

Fig. 4 an elevation of a wringer with the screw in place.

1 marks a wringer frame, 2 the top of the wringer frame, 3 and 4 the wringer rolls, 5 the shafts of the wringer rolls, 6 a bearing for the upper shaft, 7 a plate spring operating on the bearing 6, 8 a pressure screw, 9 a head on the end of the pressure screw engaging the spring, 10 a clip locking the pressure screw in place on the spring, 11 a nut secured in the top of the wringer frame in which the screw operates. These parts are or may be, so far as described, of common construction.

The screw has an extension 11*a* on which is arranged a handle 12. This handle is preferably elongated and may be hollow, preferably with a surrounding skirt 13. It has a cross wall 14 which is provided with an opening 15, preferably closed at the top, which opening is adapted to slidingly receive the upper end of the screw. The handle has an axially extending slot 18 through it forming an opening to the front and rear of the handle exposing the upper end of the screw. A pin 17 extends through a cross opening in the screw, the pin extending into the slot preferably to approximately the front and rear faces of the handle.

The pin 17 acts as a marker locating the position of the screw in the handle, and consequently the adjustment of the screw as effecting the pressure on the rolls. The pin 17 may have a mark 19 across each face and the handle is provided with an index ordinarily marked "low, med. and high," having the scale marks 20 which are adapted to register with the line 19 to give a more definite reading of the adjustment.

By making the handle elongated it is ordinarily adjusted to a position lengthwise of the top bringing the slot directly into view of the operator. This structure makes a very simple, rugged and effective structure for operating the screw and for indicating the adjustment.

What I claim as new is:

1. A pressure adjusting means for adjusting pressure from a wringer frame to resilient pressure means comprising a screw; a nut in which the screw operates; and a handle for the screw, said handle being rotatively locked and axially movable relatively to the screw, and having an opening in the side thereof disclosing the adjusted position of the screw.

2. A pressure adjusting means for adjusting pressure from a wringer frame to resilient pressure means comprising a screw; a nut in which the screw operates; a handle having an axial opening slidingly receiving the screw and an axially extending slot in the face of the handle leading to the opening; and a pin in the screw extending into the slot.

3. A pressure adjusting means for adjusting pressure from a wringer frame to resilient pressure means comprising a screw; a nut in which the screw operates; a handle having an axial opening for slidingly receiving the screw, and an axially extending slot extending through the handle from front to rear; and a pin extending through the screw and projecting into the front and rear slots.

4. A pressure adjusting means for adjusting pressure from a wringer frame to resilient pressure means comprising a screw; a nut in which the screw operates; a handle having an axial opening for slidingly receiving the screw, and an axially extending slot in the face of the handle leading to the opening; a pin in the screw extending into the slot; and an index on the handle with which the pin is adapted to register.

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