Feb. 11, 1941. S. A. SHOUP 2,231,738

PRINTER'S COMPOSITION ROLLER

Filed Feb. 26, 1940

Fig. 1.

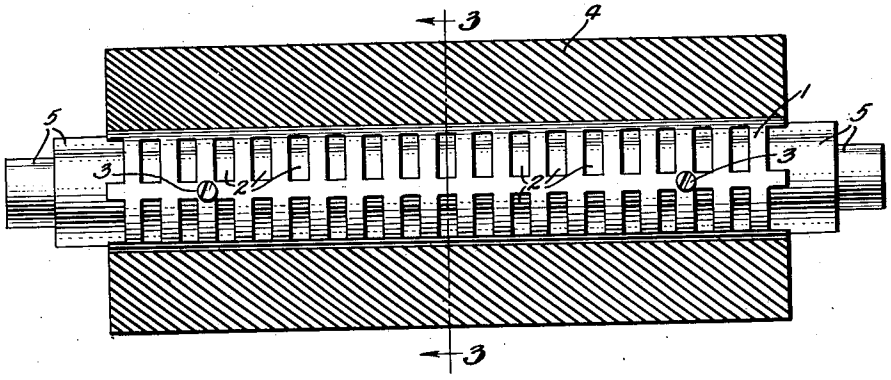


Fig. 2.

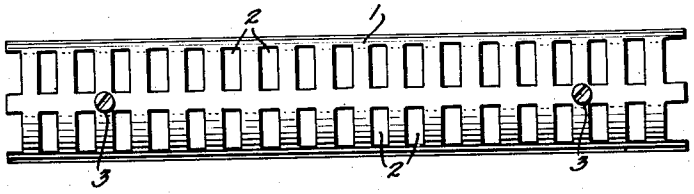
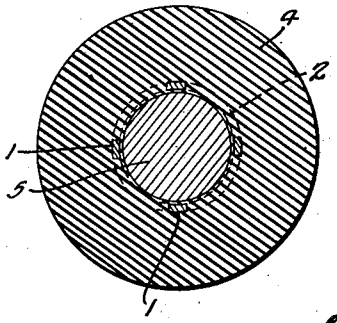


Fig. 3.



Inventor:

Samuel A. Shoup

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UNITED STATES PATENT OFFICE

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PRINTER'S COMPOSITION ROLLER

Samuel A. Shoup, Detroit, Mich.

Application February 26, 1940, Serial No. 320,935

1 Claim. (Cl. 91—67.8)

The invention relates to the rollers used on printing presses for inking the type forms. This device may be used on any size roller, and all printing presses using composition rollers with this device for holding the composition thereon, can be run at any speed desired.

My invention consists of a thin metal casing hereinafter fully described and claimed.

I herewith submit a drawing showing my improvement in printer's composition rollers.

Figure 1 is a longitudinal view of the complete roller, the outer composition layer being shown in section.

Figure 2 is a plan view of the casing removed from the roller.

Figure 3 is a cross section of the complete roller taken on the line 3—3 of Figure 1.

An ordinary printer's roller consists of a roller core wrapped with twine or painted to hold the composition in place.

My invention consists of a thin metal casing numeral 1, with oblong perforations 2, which extend the whole length and breadth of casing 1 and which is held to the core 5, by two screws numeral 3.

In casting the printing roller using this device, the casing 1 is slipped over the core 5, held in place by two screws numeral 3; it is then placed in the tube-like mould, centered, and the composition 4 is then poured into the mould, filling the perforations 2 and clinching on the under side, between casing 1 and roller core 5.

The cast roller is now cooled and slipped from the waxed mould, the composition 4 is then slightly trimmed at each end of cast roller and the completed roller is ready to put on the printing press.

I claim:

In a printing roller, the combination of a core, a perforated casing surrounding and spaced from said core, means for fastening said casing to said core and a cylindrical surface layer of composition overlaying said casing and passing through the perforation thereof, whereby the same is clinched to said casing and thereby firmly attached to said core.

SAMUEL A. SHOUP.