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E. JOHNSON

ADHESIVE PLASTER OR TAPE ROLLER

Filed Nov. 24, 1923

Fig. 1.

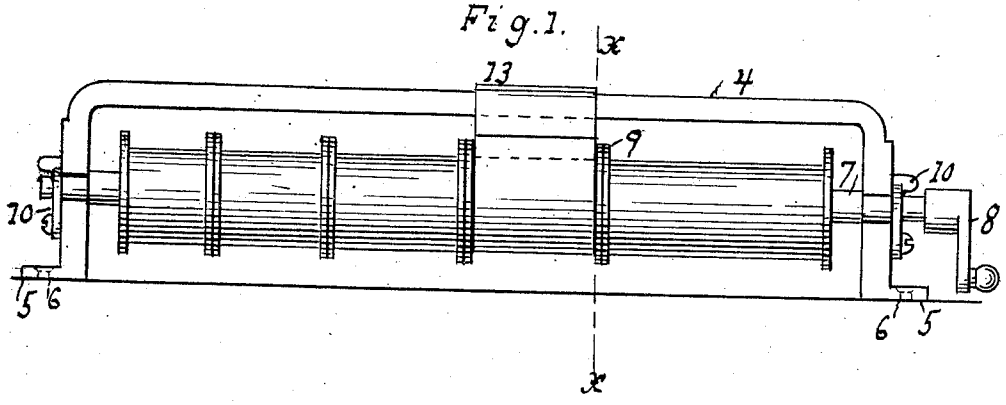



Fig. 2.

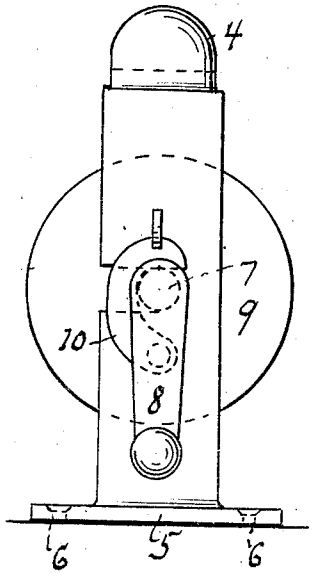
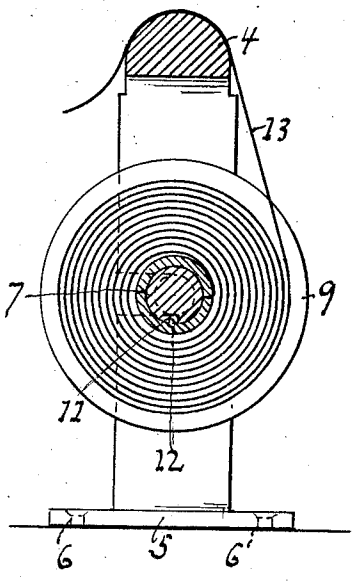



Fig. 3.




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# UNITED STATES PATENT OFFICE.

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## ADHESIVE PLASTER OR TAPE ROLLER.

Application filed November 24, 1923. Serial No. 676,741.

*To all whom it may concern:*

Be it known that I, EDWARD JOHNSON, a citizen of the United States, residing at North Pelham, in the county of Westchester and State of New York, have invented new and useful Improvements in Adhesive Plaster or Tape Rollers, of which the following is a specification.

This invention comprises an adhesive tape roller, and is particularly adapted to hold varying widths of adhesive plaster.

During surgical operations, and in accident or emergency cases, the surgeon frequently needs strips of plaster or tape varying in width according to the exigencies of each particular operation or accident, and it is desirable that he have such strips so arranged that they can be handed to him as quickly and conveniently as possible.

At present there is no suitable apparatus for holding and winding different widths of adhesive tape. The usual custom is for hospitals to purchase adhesive tape 12 inches wide, because the larger width is so much more economical than buying adhesive tape on spools in the various widths. These large 12 inch rolls of tape are then torn into strips, varying in size from one to four inches and wound by hand on wooden sticks or glass rods. As these wooden sticks or glass rods are loose, not only is it difficult to strip and roll the adhesive, but much valuable time is lost during an operation or emergency accident in detaching a suitable width of adhesive tape.

With the object of improving the technique employed at present, I have devised a roller carried in a frame which may be secured either to a table or a wall, and the roller carries any required number of removable spools of varying sizes for holding adhesive tape. The invention is more fully shown and described in detail in the following specifications and drawings in which:—

Fig. 1 represents a front elevation of my improved device.

Fig. 2 is an end view of the same.

Fig. 3 is a transverse section through one of the spools and the roller taken on the line XX of Fig. 1.

The device consists of a practically ⌐¬ shaped frame 4 made preferably of metal having feet 5 at each end containing holes 6 for screws to secure it to a table or wall or the feet 5 may be clamped on to a table by any well-known clamping device not shown. Running the entire length of the frame and through each end thereof is journaled a shaft 7 having a handle 8 secured at one end thereof for rotating the shaft. On the shaft is mounted a series of spools 9 which may be slipped on and off the shaft 7 when it is withdrawn from the frame 4 by sliding it out of lateral slots located in the legs of the frame. A pair of detents 10 the one being adjacent each slot are pivoted to the frame. These detents when the shaft is in place are swung over to coact with the shaft thus preventing it from slipping out of the slots in the frame. The shaft 7 has a longitudinal groove 11 and tongues 12 formed in the core of the spools interlock with the groove. The purpose of this is to hold the spool in a fixed position on the shaft 7 when it revolves for winding on the tape. When in use the tape 13 is pulled off by the operator and goes over the top of the longitudinal convexed bar constituting the top of the frame 4 as shown in Fig. 3.

It will thus be seen that my invention comprises a device, carrying compactly a number of spools of adhesive material varying from a half inch in width to any desired width. Needless to say other material than adhesive tape, such as gauze, bandages, etc., can be used on the spools and by reason of their being locked on the revolving shaft can be readily wound on.

While I have shown the preferred form of my invention it will, of course, be understood that various modifications of the same may be made and it may be desired in constructing the device to have a projection or key on the shaft and a series of indentations

on the cores of the spools or other means may be adopted for holding the spools in a fixed position on the shaft.

I claim:—

An adhesive plaster or tape roller comprising a frame having a convexed top bar with a pair of legs each provided with a slot, a shaft having a crank mounted thereon journaled in the slots to key a series of tape carrying bobbins for removal from one end of the shaft the tape being made to unwind over the bar, and a detent swingingly connected to the frame adjacent each slot coacting with the shaft to prevent accidental withdrawal thereof.

In testimony whereof I have hereunto set my hand.

EDWARD JOHNSON.