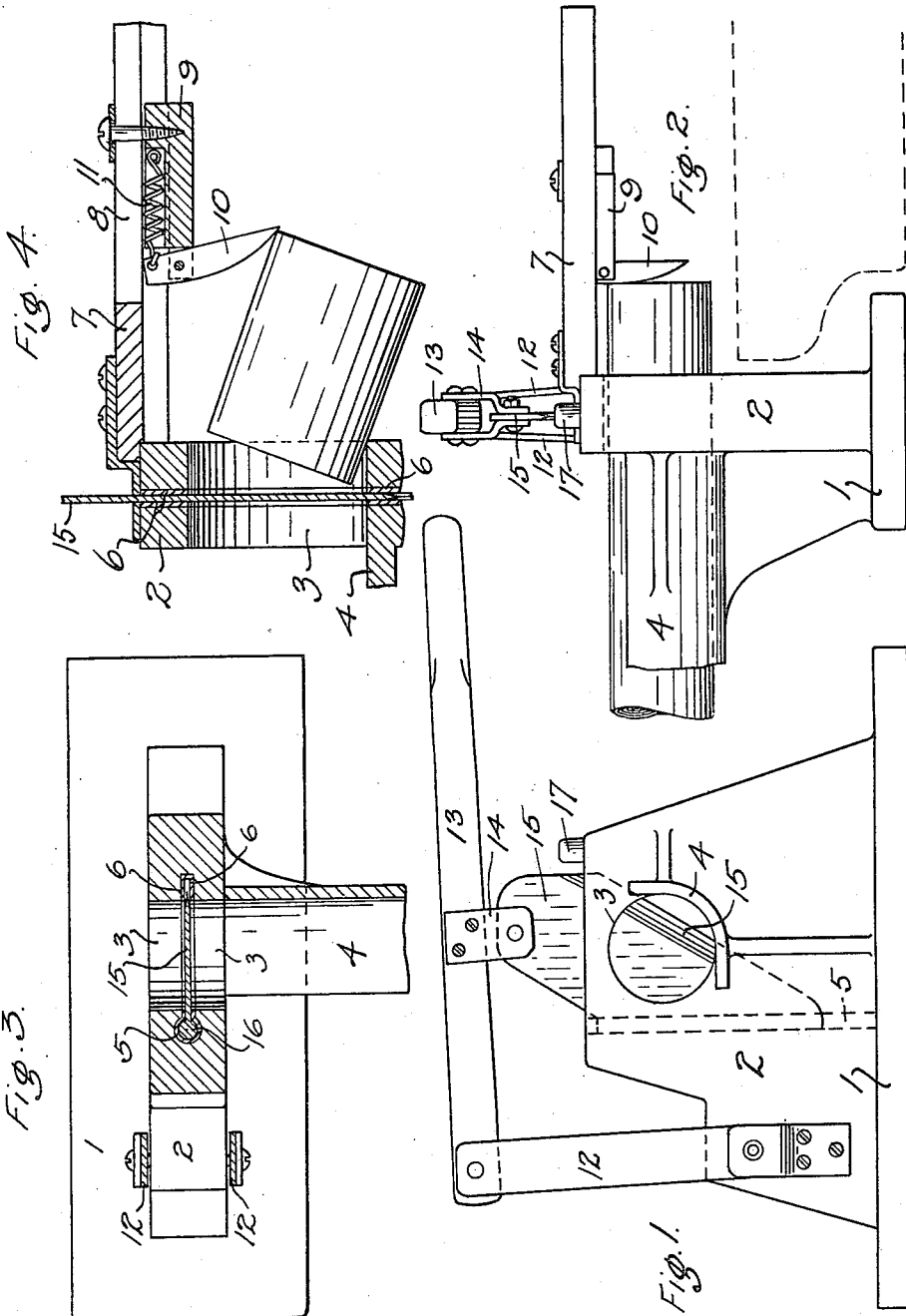


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BANDAGE ROLL CUTTER.
APPLICATION FILED SEPT. 7, 1911.

1,031,924.

Patented July 9, 1912.



WITNESSES:
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DAVID O. HALLOCK, OF TACOMA, WASHINGTON.

BANDAGE-ROLL CUTTER.

1,031,924.

Specification of Letters Patent.

Patented July 9, 1912.

Application filed September 7, 1911. Serial No. 648,081.

To all whom it may concern:

Be it known that I, DAVID O. HALLOCK, a citizen of the United States, and a resident of Tacoma, in the county of Pierce and State of Washington, have invented a new and useful Bandage-Roll Cutter, of which the following is a specification.

This invention relates to devices for cutting a roll of bandage cloth into shorter rolls and has for its objects to produce such a device which will cut evenly through the roll at right-angles to the axis thereof; which will cut it into equal lengths, if desired; and which will save time and labor. I attain these and other objects by the devices, mechanisms, and arrangements illustrated in the accompanying drawing, in which—

Figure 1 is a side elevation of the machine; Fig. 2 is a front elevation thereof; Fig. 3 is a horizontal section thereof; and Fig. 4 is a vertical cross-section of a portion thereof, showing a piece of the roll cut and being thrown down.

Similar numerals of reference refer to similar parts throughout the several views.

In hospitals large quantities of bandage cloth have to be used daily, and since these are usually bought, for economic reasons, in rolls which are a yard long axially, it becomes necessary to cut these rolls in lengths suitable for use. This is usually done by placing the bandage in a miter-box, or other guide for the knife, and cutting or sawing across the roll with a knife having a wavy or serrated edge, commonly used for cutting bread and cake. This entails considerable labor on the part of the manipulator, who is often one of the patients, and the result is that the duty is often shirked. My device is invented to make this work much more pleasant and easy and quick so that in a few minutes sufficient bandage may be cut for the day's use.

My device consists of a frame formed of a base 1 and a vertical body 2, said vertical body having a round horizontal hole 3 therethrough, and a roll-support or guide 4 on one side thereof, said support leading to the said hole 3. A brass tube 5 is set vertically within the vertical body 2, said tube being split so as to leave an opening along it through which the hereinafter described knife can pass. Flat brass bushings 6 are mounted within the said vertical part 2, leading from the brass tube 5 on each side

of the split therein and leading across the hole 3 (which passes therethrough) as shown in Figs. 3 and 4. The bushings 6 are separated by the thickness of the knife, which travels therebetween and is guided thereby. The hole is of sufficient size to allow rolls of the usual diameter to pass therethrough. An adjustable gage or stop is secured to the side of the vertical body 2, opposite to the roll support 4 and above the hole 3, said gage consisting of a horizontal arm 7 having a slot 8 therein and adapted to carry a guide block 9 on its lower side, said block 9 being clamped in any desired position below the arm 7 by means of a suitable screw clamp passing through the slot 8 therein. The block 9 has a pivoted finger 10 at its end, said finger being normally held in vertical position by means of a spring 11 secured thereto and to the block. At the rear of the vertical part 2 are pivoted, on each side thereof, the two links 12 extending substantially vertically upward therefrom. An operating handle 13 is pivotally secured between the said two links 12 and carries a bracket 14 extending downward therefrom at a point intermediate between its ends. A knife 15 is pivotally connected to the bracket 14. This knife 15 is formed of a flat body having its cutting edge inclined at an angle of about 60 degrees to the horizontal, said cutting edge being sharpened equally on both sides of the knife. The rear edge of the knife 15 is vertical and is secured to a cylindrical body, such as a heavy wire 16, which bears within the split tube 5. A stop 17, of rubber or other suitable substance, is secured to the top of the vertical body 2 immediately below the operating handle 13.

My device is operated in the following manner:—The block 9 of the gage is slid along the arm 7 and is clamped in such position that the finger 10 thereof will be distant from the knife 15 an amount equal to the length into which it is desired to cut the roll. The roll is then placed on the support 4 and, the knife having been raised, one end thereof is passed through the hole 3 until it engages the finger 10. The operating handle 13 is then brought down, forcing the knife through the roll. The part of the roll which is thus cut off falls in a suitable receptacle below the machine. If the piece of roll does not fall on account of the thickness of the body 2, the knife 15 is raised and

the remaining portion of the roll is pushed through the hole, thus pushing forward the said part already cut off and turning the finger 10 on its pivot against the action of the spring 11, thus allowing it to fall into the receptacle. The roll is then pushed farther through the hole to the finger 10 which has again assumed its vertical position, and the operation is repeated.

10 Having described my invention, what I claim is:—

In a bandage roll cutter, the combination with a vertical frame having a hole there-through; a roll-support secured to the frame
15 adjacent to one side of said hole; a horizon-

tal arm secured to the frame on the other side thereof and having a slot therein; a block adjustably mounted in said slot; a finger pivoted to said block and extending in line with the axis of said hole; a spring 20 engaging the block and the finger to hold the finger vertical; and a vertically moving knife guided by said frame and passing transversely across said hole to cut the roll therein.

DAVID O. HALLOCK.

Witnesses:

M. F. McNEIL,
JAMES FITCH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."