

No. 654,812.

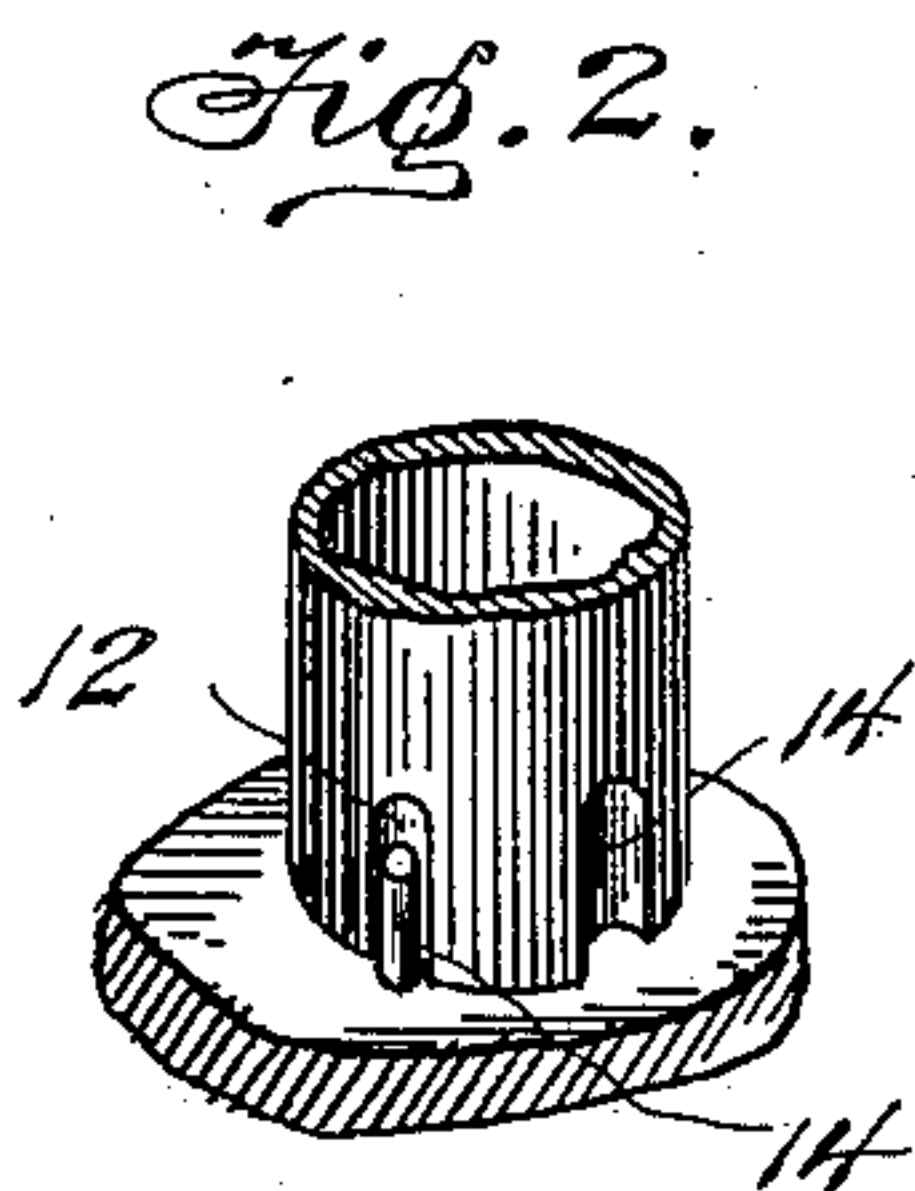
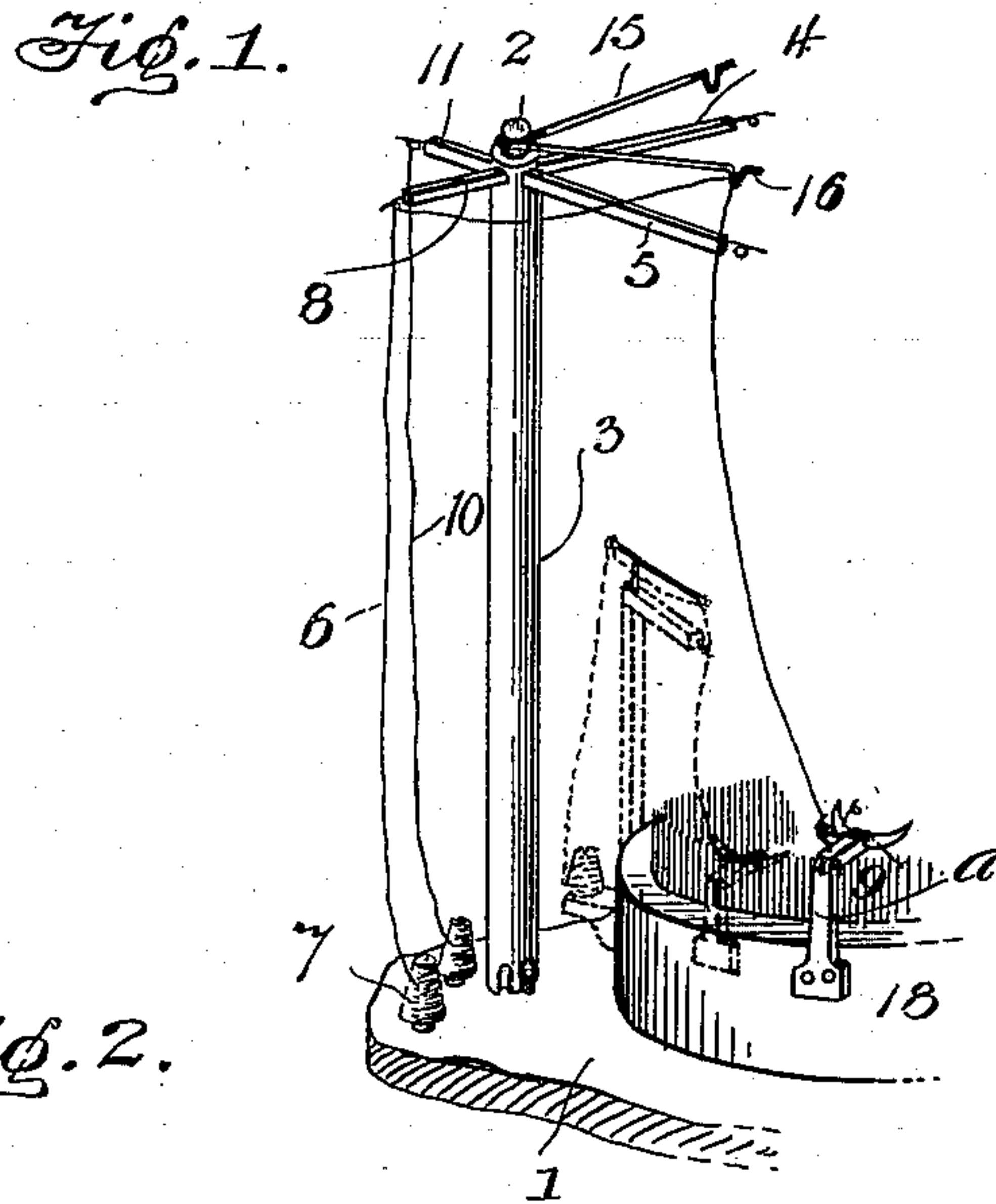
Patented July 31, 1900.

B. T. STEBER.

YARN HOLDER FOR KNITTING MACHINES.

(Application filed Mar. 10, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

BERNARD T. STEBER, OF UTICA, NEW YORK.

YARN-HOLDER FOR KNITTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 654,812, dated July 31, 1900.

Application filed March 10, 1900. Serial No. 8,215. (No model.)

To all whom it may concern:

Be it known that I, BERNARD T. STEBER, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Yarn-Holders for Knitting-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in means for carrying and delivering yarn to knitting-machines; and it consists in a yarn-carrier comprising a rotatable sleeve mounted upon a suitable standard, yarn-carrying arms upon the said sleeve, and means for holding the sleeve in different positions upon the said standard, together with means for holding the yarn in proper position with relation to the needles of a knitting-machine.

It also consists in certain other novel constructions, combinations, and arrangements of parts hereinafter fully described and illustrated and specifically claimed.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a knitting-machine having my improved yarn-feeding mechanism applied thereto. Fig. 2 represents a detail perspective view of the lower end of the sleeve or standard of my improved yarn-carrier.

In the use of knitting-machines I find it needful to have some device whereby the yarns of different colors or of different coarsenesses may be directed to the machine without having to rethread the yarn-carrying mechanism whenever it is desired to change from one yarn to the other. In providing a knitting-machine with such an apparatus I preferably mount upon the base-plate 1 of a knitting-machine a vertical standard, as 2, upon which is placed a hollow cylindrical sleeve, as 3, said sleeve resting at its lower end upon the plate 1. To the upper end of the sleeve 3 are secured two cross-pieces 4 and 5, which extend upon each side of the sleeve 3. One end of each piece preferably extends a greater distance upon one side of the sleeve than upon the other. The yarn of one kind or color, as 6, is carried from a suitable bobbin or reel 7 to the short end 8 of

the arm 4. Thence it passes to the long end of the arm 5, it being loosely held in suitable holders at the end of these arms. The end of said yarn may then be carried downwardly to any suitable yarn-feeder, as 9, in proper proximity to the knitting-needles of a knitting-machine 18. At the same time a different kind of yarn, as 10, may be carried from another bobbin to the short end 11 of the arm 5, being then passed to the holder at the long end of the arm 4 and kept there for use when required. The lower end of the sleeve 3 is preferably provided with one or more notches, as 12 and 13, which are adapted to be brought into engagement with and engaged, at 14, upon the bed-plate 1. When it is desired to use the yarn 6, the sleeve is so moved as to bring the notch 12 into engagement with the pin 14. This brings the end of the arm 5 opposite to the feeder 9. When it is desired to bring the yarn 10 into use, the yarn 6 is disconnected from the machine and the sleeve 3 is upon the standard 2 and turned so as to bring the notch 13 upon the pin or projection 14. This will place the arm 4 of the carrier in proper position with respect to the feeder 9 to deliver the said yarn 10 easily to the machine. This device prevents the necessity of taking out one yarn and then having to thread up again the carrier with another yarn. If desired, spring-arms, as 15 and 16, may be used in connection with the arms 4 and 5 to deliver the yarn in a yielding manner to the machine.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A yarn-carrier for knitting-machines comprising a standard, a rotatable sleeve surrounding the same, two or more long arms carried by said sleeve, and two or more short arms carried thereby, means for supporting yarn upon the said long and short arms, and means for engaging the said sleeve to temporarily prevent its rotation on the standard, the construction being such that the sleeve is free to be lifted and turned so that one or the other of the yarns carried by the arms may be brought into knitting position, substantially as described.

2. A yarn-carrier for knitting-machines comprising a sleeve loosely mounted upon the

standard, branch arms carried by the said sleeve for holding two or more kinds of yarns, a pin or projection upon the bed-plate of the knitting-machine and adapted to engage one
5 or more notches formed in the lower end of said sleeve, the construction being such that by rotating the sleeve so that the pin engages different notches therein the yarn-carrying arms may be moved so that one side or the

other will be in position to deliver yarn to the knitting-machine, substantially as described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

BERNARD T. STEBER.

Witnesses:

HENRY A. STEBER,
FRED C. STAHL.