

No. 768,621.

PATENTED AUG. 30, 1904.

G. F. PAYNE.  
CAP BAR TIP.

APPLICATION FILED MAY 19, 1903. RENEWED APR. 26, 1904.

NO MODEL.

Fig. 1.

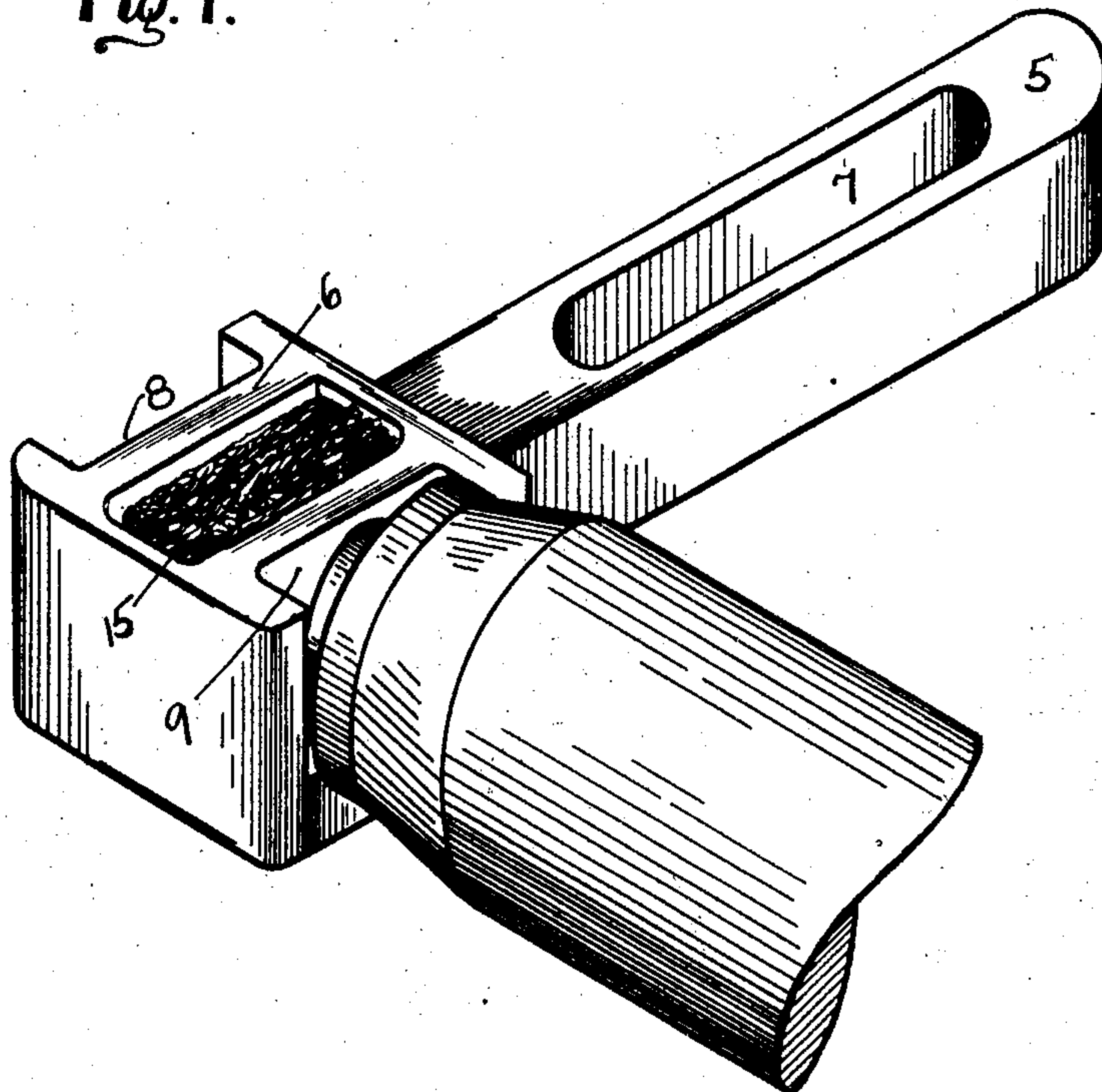
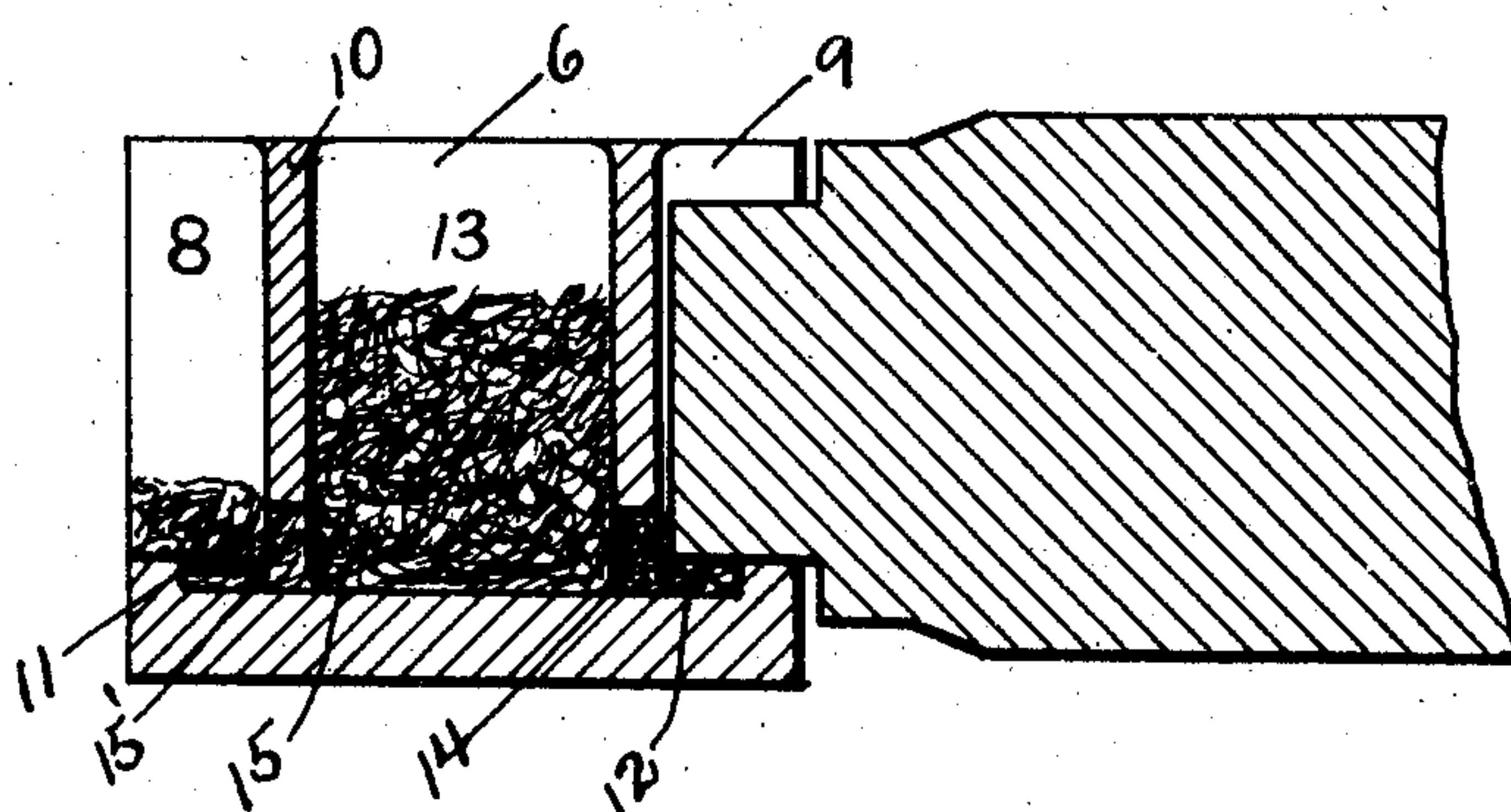


Fig. 2.



Witnesses  
Charles Morgan  
Harry Ellis Chandler

Inventor  
G. F. PAYNE.  
by *Charles Chandler*  
Attorneys



# UNITED STATES PATENT OFFICE.

GEORGE F. PAYNE, OF SUNCOOK, NEW HAMPSHIRE.

## CAP-BAR TIP.

SPECIFICATION forming part of Letters Patent No. 768,621, dated August 30, 1904.

Application filed May 19, 1903. Renewed April 26, 1904. Serial No. 205,056. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE F. PAYNE, a citizen of the United States, residing at Suncook, in the county of Merrimack, State of New Hampshire, have invented certain new and useful Improvements in Cap-Bar Tips; 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.

This invention relates to cap-bar tips for spinning-machines; and it has for its object to provide a tip having means for easily and thoroughly lubricating the rolls, so that the latter will operate with the highest efficiency.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in both views, Figure 1 is a perspective view showing the tip with a roller in the bearing at one side thereof. Fig. 2 is a vertical section taken transversely of the head of the tip and longitudinally of the engaged rollers.

Referring now to the drawings, there is shown a cap-bar tip comprising a stem 5 and a head 6, the stem having a longitudinal slot 7 formed vertically therethrough to receive a clip-bolt for securing the tip to the cap-bar, the length of this slot permitting of adjustment of the tip longitudinally.

The head of the tip projects laterally beyond the side faces of the stem of the tip, and instead of the ends of the head being slotted vertically through their upper and lower faces pockets 8 and 9 are formed in the ends of the head and extend downwardly from the upper face of the head nearly to the lower face thereof, these pockets opening through the upper and end faces of the head, as illustrated, and being separated by the central web portion or wall 10.

In the bottoms of the pockets 8 and 9 are recesses 11 and 12, respectively, and in the central partition or web portion is a reservoir 13, which communicates with the recesses by means of the ducts 14 and 15' through the bottom portions of the side walls of the reservoir.

In the reservoir is disposed a quantity of

waste, (illustrated at 15,) and which waste extends in part through the ducts and into the recesses at the bottoms of the pockets, so that in order to lubricate the rolls it is only necessary to supply a lubricant in proper quantity to the reservoir, and it will be conducted to the rolls by means of the waste. By this means the rolls will be amply lubricated and will require a minimum of attention.

It will be understood that in practice modifications of the specific construction shown may be made and that any suitable materials and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

1. As an article of manufacture, a cap-bar tip comprising a slotted stem for adjustable attachment to a spinning-machine, and a transverse head formed integral with the stem and having pockets in its end faces opening through the upper face of the head, and a lubricant-receiving reservoir between the pockets connecting at its lower portion with the pockets.

2. A cap-bar tip comprising a stem and a head projecting laterally from the stem at one end, said head having pockets in its end faces opening through the upper face of the head, the bottoms of the pockets being recessed, and a reservoir communicating with the recesses of the pockets.

3. A cap-bar tip comprising a stem and a head projecting laterally from the stem at one end, said head having pockets in its end faces opening through the upper face of the head and having a web portion between the pockets provided with a reservoir therein, the bottoms of the pockets being recessed, and the sides of the reservoir having ducts there-through leading to the recesses of the pockets and adapted to receive packing in connection with the recesses and reservoir.

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

GEORGE F. PAYNE.

Witnesses:

CHAS. P. EMERY,  
ALBERT J. AMES.