

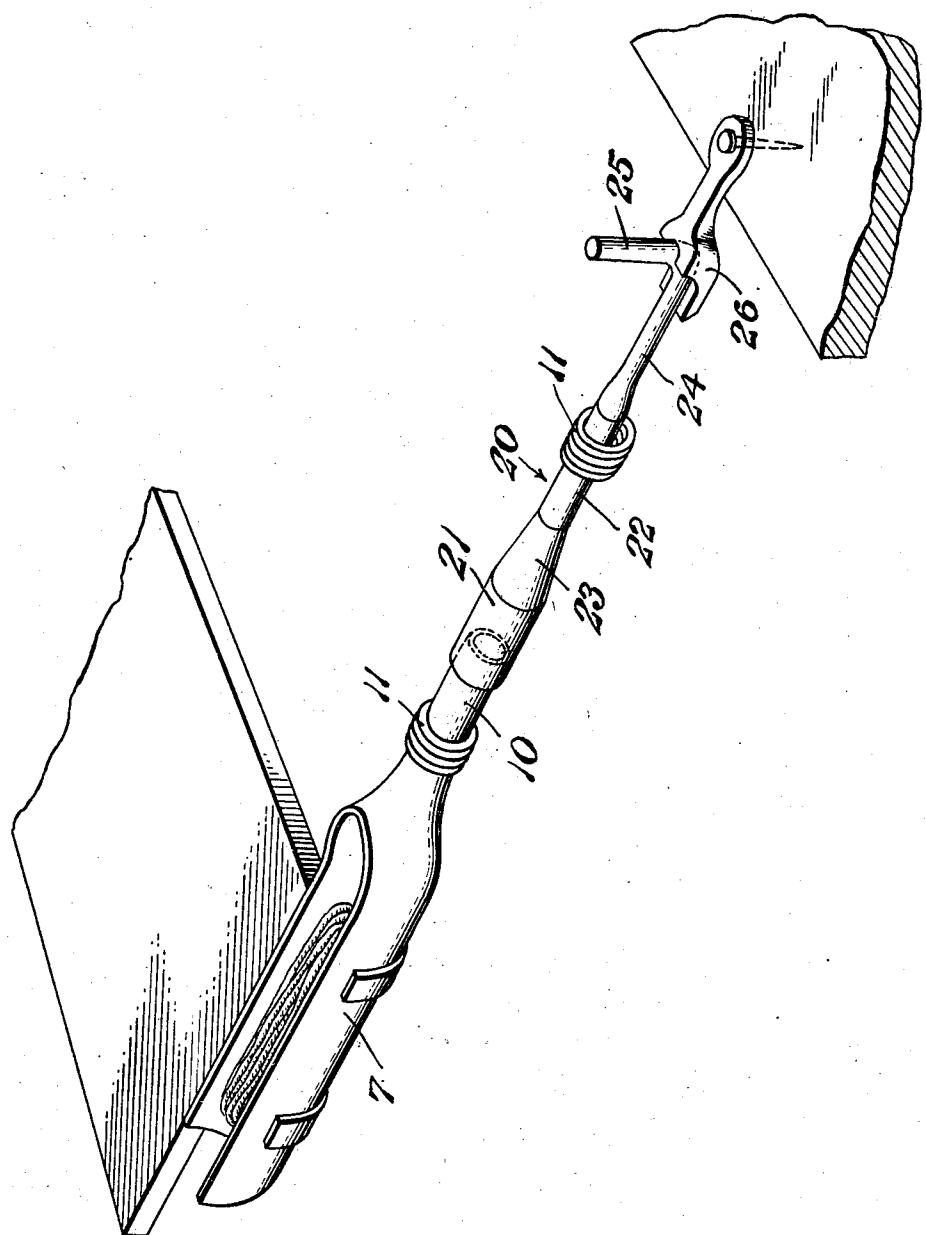
Aug. 4, 1931.

W. H. GOSCH

1,817,618

HANK BUNDLING MECHANISM

Filed June 26, 1930



William H. Gosch

Inventor

By

W. G. McElwain

Attorneys

UNITED STATES PATENT OFFICE

WILLIAM H. GOSCH, OF READING, PENNSYLVANIA, ASSIGNOR TO THE NOLDE AND HORST COMPANY, OF READING, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA

HANK BUNDLING MECHANISM

Application filed June 26, 1930. Serial No. 463,998.

This invention relates particularly to hank bundling and banding mechanism such as is set forth in pending application Serial No. 443,235 filed April 10, 1930, and consists in the improved band-feed attachment 5 hereinafter fully described in connection with the accompanying drawing and clearly defined in the subjoined claims.

The drawing is a perspective view indicating my present invention as applied to the hank bundling and banding device particularly set forth in said prior application.

The improved means referred to as heretofore devised and here indicated, for bundling and banding hanks of yarn, comprises a trough 7 into which the hanks are conveniently piled, and from which the bundles are discharged through a tubular end-extension 10 of the trough with proper compacting of the hanks for application of the fastening means. The specially adapted bands 11 which are shown as preferably used to secure each bundle of hanks, are conveniently strung exteriorly upon the discharge tube 10 and successively moved from the latter onto the discharging bundles as desired.

I have found that the quickness and facility with which the hanks may be thus bundled and fastened, is much improved by providing special means as hereinafter described, for supplying the needed bands to the exterior of the discharge tube as required for repeated applying of them to the discharging bundles. For this purpose, I employ, as indicated in connection with the bundling mechanism, a simple integrally formed band carrier and feed guide 20, upon which a supply of bands is placed independently of the bundling operation, and from which these are quickly transferred to the bundle-discharging tube by convenient periodic engagement thereof with the latter. This carrier guide comprising, as shown, a tubular end portion 21

adapted to be removably engaged upon the end of the discharge tube; a reduced body portion 22 having a tapering connection 23 to said tubular engaging portion 21; and a band-receiving opposite-end portion 24; the latter having an angular band 25 as indicated, over which the bands are conveniently passed, and which serves as a satisfactory point of support upon a suitable bracket 26 when the carrier guide device is engagingly attached to the discharge tube 10 for easy transfer of a needed supply of bands to the latter. Such transfer is thus effected in a few moments, and the attachment then readily thrown out of engaging position 55 for reuse with any required replenishment of its store of bands. The preferred form 60 of my improved device which is thus specifically set forth may obviously be modified without departing from the invention as 65 defined in the claims.

What I claim is:

1. In combination with a hank-bundling trough having a discharge tube at one end thereof; a fastening band carrier guide attachment comprising a tubular end portion engageable upon said discharge tube and a projecting band-carrying portion forming in connection with said engaged end portion an exterior slide way to the discharge tube.

2. In combination with a hank-bundling trough having a discharge tube at one end thereof; a fastening band carrier guide attachment comprising a tubular end portion engageable upon said discharge tube and a reduced band-carrying body portion taperingly connected to said end portion to form an exterior band-slide-way to said discharge tube.

3. In combination with a hank-bundling trough having a discharge tube at one end thereof; a fastening-band carrier guide attachment comprising a tubular end portion engageable upon said discharge tube, a band-

carrying body portion, and an angular band-receiving end portion.

4. In combination with a hank-bundling trough having a discharge tube at one end 5 thereof; a fastening band carrier guide attachment comprising a tubular end portion engageable upon said discharge tube and a band-carrying body portion having an angular receiving end; and a supporting 10 bracket for said receiving end.

In testimony whereof I affix my signature.

WILLIAM H. GOSCH.

15

20

25

30

35

40

45

50

55

60

65