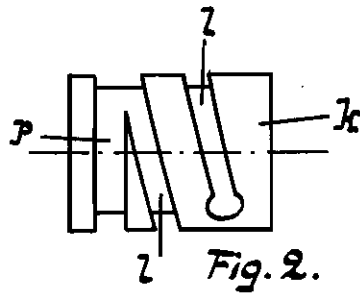
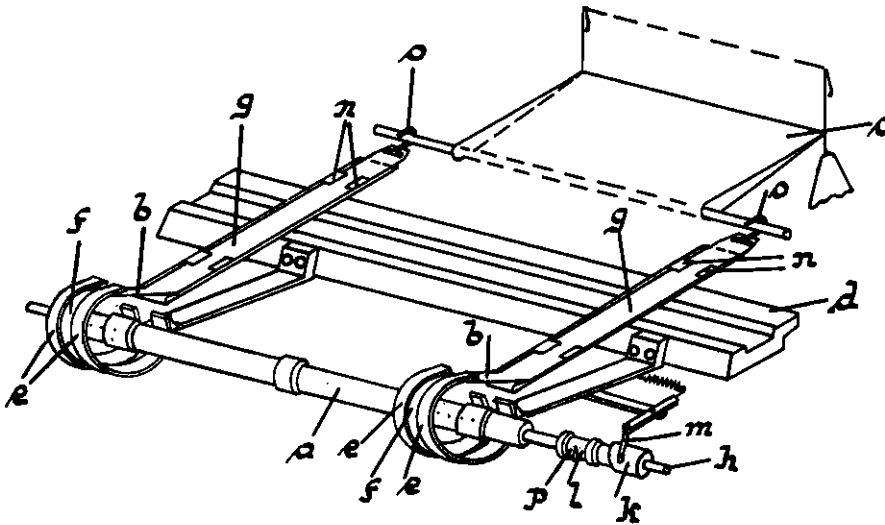


PUBLISHED
MAY 4, 1943.
BY A. P. C.

F. FLÄMIG
DEVICE FOR DRAWING GOODS FROM
FLAT KNITTING MACHINES
Filed July 2, 1941

Serial No.
400,724

Fig. 1.



Inventor:

Fritz Flämig

Brown & Leonard

Attorneys

ALIEN PROPERTY CUSTODIAN

DEVICE FOR DRAWING GOODS FROM FLAT KNITTING MACHINES SINKING THE LOOPS

Fritz Flämig, Chemnitz, Germany; vested in the
Alien Property Custodian

Application filed July 2, 1941

This invention relates to a device for drawing goods from flat knitting machines sinking the loops having a retracting device for the ribbons or straps detracting the goods.

With the devices for drawing off the goods known up till now straps or girths were used which are fastened with their one end onto the roll containing the goods and are connected with their other end by means of a hook and a double edged rod to the goods to be drawn off in such a manner that on producing the goods the ribbons are gradually wound up with the goods by means of the roll detracting the goods.

Said known device for detracting goods had the disadvantage that after detracting the goods the ribbons or girths were liable to hang down from the roll containing the goods to further come into contact with the machine and thus to get soiled or even caught.

There is further known a device for detracting the goods in which there are provided at the free end of the girths or straps retracting ropes which are wound up onto a specially driven retracting roll. This device showed the disadvantage that during the retraction of the goods the pull of the so called retracting device had to be set out of action and checked.

On the accompanying drawing there is shown a detracting device for goods according to the invention.

Fig. 1 showing the device in perspective view and

Fig. 2 showing a detailed construction.

According to the invention the new is seen in the fact that the device for detracting the goods contains two straps or ribbons *b* being wound up onto the roller *a* during detracting the goods and consisting of hard but pliable material f. i. steel bands or hard but pliable leather strips or other girths or of a mass such as cellophane, pressed material or the like which after detracting the goods *c* and turning back the roller *a* containing the goods as well as in consequence of the spring action of said ribbons *b* are pushed forward towards the fontures (arrangement of the needles) during their initial position or automatically shoot against said fontures.

On turning back the roll containing the goods

and reeling off the detracting straps the open end is pressed downwards in consequence of the pressure of the spiral spring so that the straps are pressed down on a guide path *g* joined to the guides *e* and are shifted forwards into the initial position whereupon the ribbons or straps are brought in a known manner by means of a double edged rod into connection with the double edge of the goods to be newly knitted.

At the point where the ribbons *b* are wound up onto the roller *a* there are provided two guides *e* fixed to a table *d* between which remains an open slot *f* in order to assure a safe guidance of the ribbons *b* on the roller *a* whilst the ribbons *b* are wound up or detracted and to enable the hooks *o* fixed to the ribbons *b* to pass through said slot *f*.

To the point where the band or ribbon is rolled onto the roll or drum *a* there are attached two paths *g* provided with the bent up edges *n* between which the ribbons *b* are safely guided on their way from the roller *a* to the fontures.

In order to always bring the bands *b* into their correct initial position on turning back the roller *a* and when the bands *b* shoot forth there is provided on the shafts *h* of the roller *a* a locking device *i* by means of which when the bands *b* shoot forth towards the fontures the shaft *h* of the roller *a* is arrested at the right moment.

Said locking device *i* consists of a socket *k* fixed to the shaft *h* of the roll *a*.

On the outer surface of said socket *k* there is provided a parallel running groove *p* and attached thereto a spiral shaped groove *l* limited in its length.

Within said groove *l* and *p* there is guided a pin being under spring pressure. Said pin *m* perpetually runs on winding up the ribbons in the parallel groove *p* in consequence of constantly contacting with the right hand edge of said groove whereas on detracting the goods the pin *m* is automatically led into the spiral groove *l*.

Now if the pin *m* being under spring pressure arrives at the end of the spiral groove *l* whilst withdrawing the goods the shaft *h* and thus also the roller *a* are arrested so that the ribbons are always brought into the same initial position.

FRITZ FLÄMIG.