HIGH SPEED  TWO NEEDLE
SINGER MACHINE No. 112w116  PULLER FEED
FOR  TWO LINE LOCK STITCHING
IN THE MANUFACTURE OF
TENTS, AWNINGS, OVERALLS, BALLOONS,
FLAGS, ETC.

This high speed two needle lock stitch machine is equipped with a powerful puller feed in addition to an efficient needle feed and drop feed, and is therefore especially adapted for stitching fabrics used in the manufacture of bulky work such as tents, awnings, balloons, flags, etc.

It is also extensively used for banding overalls and pants, attaching collars to jackets, jumpers, etc., and for general stripping operations on heavy work.

Gauge of Machine

The distance between the two lines of lock stitching may be from \( \frac{3}{4} \) inch to 2 inches as desired, and orders for the machine should specify the gauge required.
Speed

With the aid of the puller feed the machine is able on some classes of work to run up to the high speed of 2800 per minute.

Rear View of Machine No. 112w116 showing Puller Feed

The Puller Feed

The two corrugated rolls of the puller feed are located immediately at the back of the twin needles as shown in the above illustration. This auxiliary feed pulls the work while it is being stitched so that much of the burden of feeding heavy and bunched fabrics is taken from the needle feed and drop feed, the entire feeding mechanism working in unison.

The puller feed also lightens the work of the operator, it being unnecessary for the operator to hold the work at the back of the needles, and a large output of work is further ensured.

Owing to the slight tension on the seam caused by the pulling action of the rolls, the stitches do not pucker the work, and the seam is further flattened as it passes between the two rolls, adding considerably to the improved quality of the product.

When the machine is regularly fitted there are 13 teeth in each of the corrugated rolls, the under roll (No. 237017) being actuated by mechanism beneath the bed, while pressure is exerted on the upper roll (No. 237020) by means of a strong spiral spring.

Flag Work

For the lap seaming operation in the manufacture of flags, the puller feed is equipped with a special pair of rolls which have finer teeth, there being 27 teeth in each roll. The under roll is No. 237035 and the upper roll No. 237036.

A sample of the flag material to be sewn should always accompany the order for the machine.
Length of Stitch

The machine is readily adjusted to make stitches varying in length up to seven to the inch.

Clear Working Space

Operators can easily handle large work on this machine, there being a clear working space of 10½ inches at the right of the needle bar.

Equipment for Handling Short Strips of Material

The Adjustable Strip Tension Device No. 231369, illustrated above, is recommended for use when short strips of material are to be sewn. The tension on the strip can be easily regulated by this device and there are two fingers or guides which are readily adjusted to accommodate the width of the strip.

The front portion of the tension device is hinged and is readily raised so that the strip can be conveniently inserted.

Reels for Rolls of Strip Material

For upperstripping or understripping operations where long lengths of previously rolled strip material can be utilized, reels can be furnished for holding the roll, and when ordered an additional charge is made.

The upper reel for a single roll is No. 227127, this reel having a pair of discs 6 inches in diameter. An upper double strip reel known as No. 227212 can also be furnished for two rolls, there being two pairs of discs, one pair having a diameter of 6 inches and the other pair a diameter of 9 inches.

The under reel for the under strip is No. 26343, the discs being 10 inches in diameter.
Equipment for Banding Overalls and Pants

When specially fitted for banding overalls and pants, the accomplishment of a large output of work can be facilitated.

The equipment includes a folder to make a width of fold as required, and a guide for guiding the edge of the garment.

In addition to this equipment the machine can also be fitted with an ingenious strip deflecting device which is readily controlled by the operator by means of a foot treadle. When the treadle is depressed the folded strip is temporarily narrowed and the stitching is accordingly omitted for any required distance.

The strip deflecting device is a great convenience where a continuous run of overalls are banded on the machine, as the stitching of the band between two overalls can be omitted at will and the band can then be trimmed. The loose end of the band can afterwards be finished by being turned under and then stitched down by means of a single needle machine.

Belt loops can be readily inserted while pants are being banded.

Compensating Presser Foot

It is desirable when work of uneven thicknesses is being sewn to use a compensating presser foot, the yielding of either half of the foot assuring regular and even stitching. This style of foot is furnished with the machine, on order, at an additional charge.

Attachments

Samples of work to be done should always accompany orders for the machine. The necessary attachments such as folders, lap seam fellers, guides, etc., will be furnished, on order, at an extra charge.

Underdriver

Underdriver No. 227984 is recommended for use with this machine. The underdriver will be supplied on order at an extra charge. It is regularly furnished with a 10 inch pulley unless otherwise specified on the order.

SINGER SHOPS FOR THE MANUFACTURING TRADE

Send for Samples of Work to any of the following addresses:

Baltimore, Md.     Columbus, Ohio       Kansas City, Mo.     Nashville, Tenn.       Omaha, Neb.       St. Louis, Mo.       Vancouver, B. C.