

OPERATING NEEDLES.

12. Removing Needles without stitches :


- 1 Turn crank forward : stop yarn-carrier at back.
2. Lift one needle up against spring-band at front :
3. At same time draw top end toward you from cylinder.
4. Lift the heel up and out from behind spring-hand.
5. Repeat the operation for all needles to be removed.
6. Move the cam-cylinder forward when necessary.




13. Remove Needles with Stitches :

1. Stop cam-cylinder-wire-band-holder at front, or
2. Any point where needles are to be removed.
3. Place the needle-cylinder-spring-band
4. Over band-holder-wire on cam-cylinder
5. Lift one or more needles out with stitches on.
6. Move cam-cylinder forward when necessary.



 *The Instruction in No. 13 is applicable to power machines. "BANNER," "WORLDS STAR," "MONEY-MAKER A" and "DOLLAR-MAKER" machines,*

14. *With the "Improved Money-Maker," "Klondyke," and "Money-Maker," the needles in these machines are removed with their stitches on by holding cylinder-band out with the work-hook, so as to leave an opening for the heels of the needles, as there is no spring-band-holder on the cam-cylinder of these machines.*

 **Second method-* Raise the needle to be removed up out of action : press it inward until the heel of the needle comes out of the cylinder-needle-slot, then turn the needle sideways and lift the needle from under the spring-hand. To place a needle in the next groove with stitch on -after raising and pressing needle

inward, take heel in left hand, top in right, and lift over to next groove while needle remains under hand.

13. Placing Needles without stitches :

1. Turn crank forward; stop yarn-carrier at back.
2. Hold needle at right angles to cylinder-band.
3. With hook-end of the needle toward operator.
4. Place the heel of the needle back of cylinder-band :
5. Raise needle upright and press down to place.
6. Repeat for all needles required in the cylinder.




16. Placing needles with stitches :


1. Stop cam-cylinder-spring-band-holder at front, or
2. Any point where needles are to be placed.
3. Place the needle-cylinder-spring-band
4. Over band-holder-wire on cam-cylinder :
5. Place one or more needles in with stitches on.

6. Move cam-cylinder forward when necessary.



 **The instruction in No. 16 is applicable to power machines. "BANNER," "WORLDS STAR," "MONEY-MAKER A" and "DOLLAR-MAKER" machines.*

"With the "Improved Money-Maker," "Klondike" and "Money-Maker," the needles are placed in these machines with their stitches on, by holding the cylinder-band out with the work-hook, so as to leave an opening for the heels of the needles, as there is no spring-band-holder on the cam-cylinder of these machines.

 Practice two, three, or even ten times, taking out and placing in needles, until thoroughly understood and quickly done.