

4. Check to see if the notch in the stripper is in line with the point of the knotter as the knotter withdraws from the stripper.
5. Adjustments can be made by bending the stripper. A few taps with a light hammer will normally give the correction needed.

## replace the knotter

In replacing the *knotter* in your Bunn Machine, the mechanic must be careful to time the new *knotter* properly. When the *knotter* is timed correctly, the two *taper pins* in the *bevel gears* should be parallel to each other, with the *knotter roller* at the bottom of the *cam*. In other words, when the *knotter* is pointing straight ahead.

Note the position of the teeth on the *star wheel*. You will see that the *star wheel* contains seven uniform teeth and one slightly beveled. When timed properly the beveled tooth will be slightly to the right of the center line — as shown at right. If the *pointed tooth* is not in correct position — remove the *taper pin* and *bevel gear*, located at the end of the *star wheel shaft*, and time correctly.



If knotter holds the loops of the knot, and fails to release after the tying cycle—

1. There is an *adjusting screw* located directly back of the knotter for adjusting the space between the jaws.
2. The *adjusting screw* is set at a 45° angle and is held in positive location by a small hexagon lock nut.
3. By holding the set screw in place with a screw driver, the *lock nut* is released and the set screw turned in a clockwise direction until the twine is released (usually a quarter turn is sufficient).
4. Then by holding the set screw in location with a screw driver, tighten the *lock nut* securely.

## correct clutch slipping

1. Your machine is equipped with a dry clutch and no oil should be allowed to get between the clutch plate and the clutch disc, as this will cause the clutch to slip.
2. When oil on the clutch is causing the machine to not operate properly, it is suggested that an oil containing a solvent be used and a few drops "squirted" between the clutch disc and the clutch plate. This should dissolve the oil and allow the machine to operate satisfactorily.
3. Another method that may be used is to place a small quantity of powdered rosin between the clutch disc and the clutch plate. This is done by turning off the motor with the machine in neutral position, and by using a screw driver and the frame of the machine for leverage force the large main gear to move about two teeth in a counterclockwise direction. This will cause a small space to open between the clutch disc

- and the clutch face. Now drop a small quantity of powdered rosin in this opening and start the machine.
4. If this does not correct the slipping, it is necessary that the clutch be removed and the disc wiped clean.

## clean the clutch

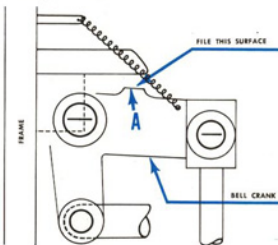
1. With machine in neutral position, drive out the tapered pin in the clutch gear washer No. 83. This will allow the clutch to come apart.
2. Wipe both faces of the clutch clean and reassemble.

## correct automatic tripping of cross tie

Note: Automatic tripping may occur on older tying machine models which don't have a wedge (part No. 112W) in the trip mechanism.

When cross tie machine trips automatically on the cross tie, the following remedy is recommended:

1. Turn off motor at switch.
2. Step on foot trip and hold down. This will cause the bell crank located at the left side of machine just under main table to remain open.
3. Using a small Pillar file, file a small amount off of surface "A" of bell crank.
4. Start machine and step on foot pedal and release instantly. If this does not cause the machine to stop for the cross tie, file off an additional amount of stock from surface "A" until the arm will revolve and stop when the foot pedal is engaged, and the foot instantly removed.



Or when machine trips automatically it may be due to one of the following reasons:

1. Trip rod may be bent and is binding. This can be easily straightened.
2. Vibration set up by dry bearing in clutch wheel. Bearing should be oiled.
3. Clutch block lever loosening its position on clutch fork roller. File surface "A".