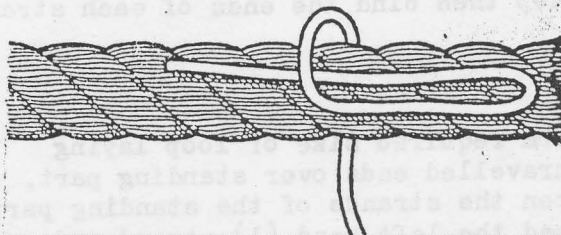


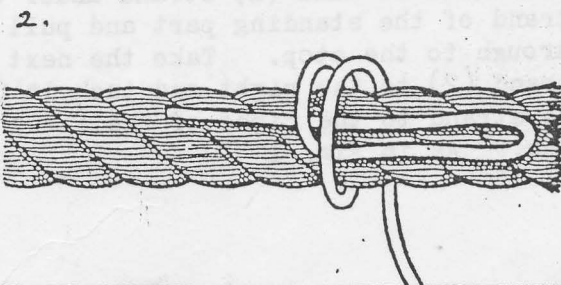
## Preparation of Ropes and Strops for Climbing and Cablecrane Use

Whipping:- To seal the end of a rope

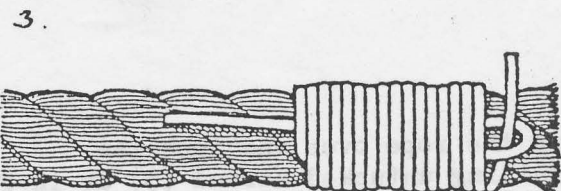
Take a length of whipping twine (75cm). Form a large loop in one end and lay along rope as in Fig. 1



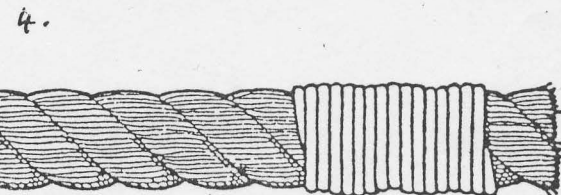
Starting about 3cm from the end of the rope, bind the twine tightly round the rope and over the loop as in Fig. 2



Keeping turns close together make about 15 turns, then feed the end of the twine through the loop as in Fig. 3



Pull the other end to drag the loop and twine end under coils. Pull both ends to tighten then trim off surplus. Fig. 4



To protect the whipping, bind with plastic insulating tape.

To completely seal nylon rope, melt and form the stub end exposed beyond whipping.

Eye Splice - To Form a Permanent Loop in Cablelay Rope

Preparation:- Stop the rop about 15cm from the end (bind with sellotape or twist of wire). Unlay the rope to the stop then bind the ends of each strand

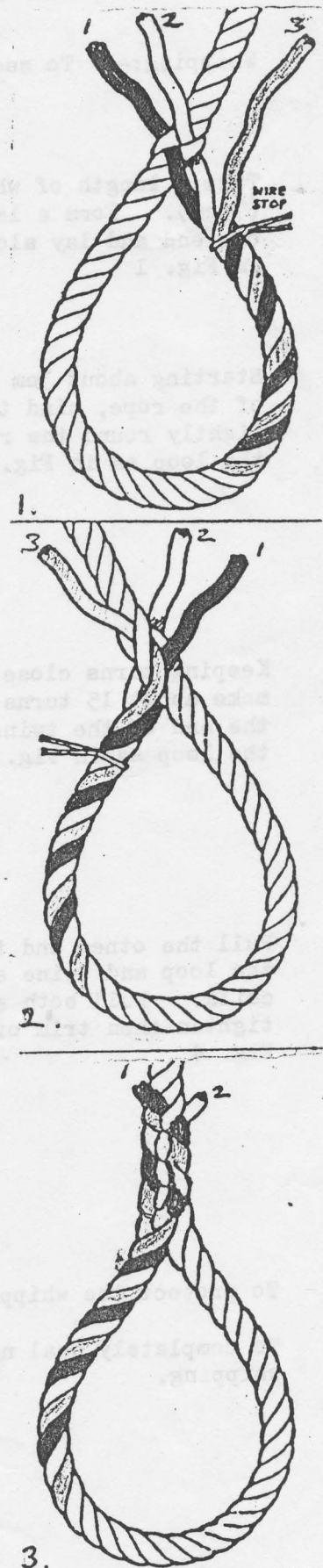
Form required size of loop laying unravelled ends over standing part. Open the strands of the standing part feed the left hand (1) strand under one strand of the standing part and pull through to the stop. Take the next strand (2) to the right and tuck it under the strand to the right of the first tuck. As in Fig. 1

Turn the rope over and tuck the remaining untucked strand (3) as in Fig. 2. Pull ends tight to stop.

Working to the left taking each end in turn. Go over the strand immediately to the left of the end and under the next. Repeat until each end has been tucked 5 times. Fig. 3.

Trim ends leaving about 1cm

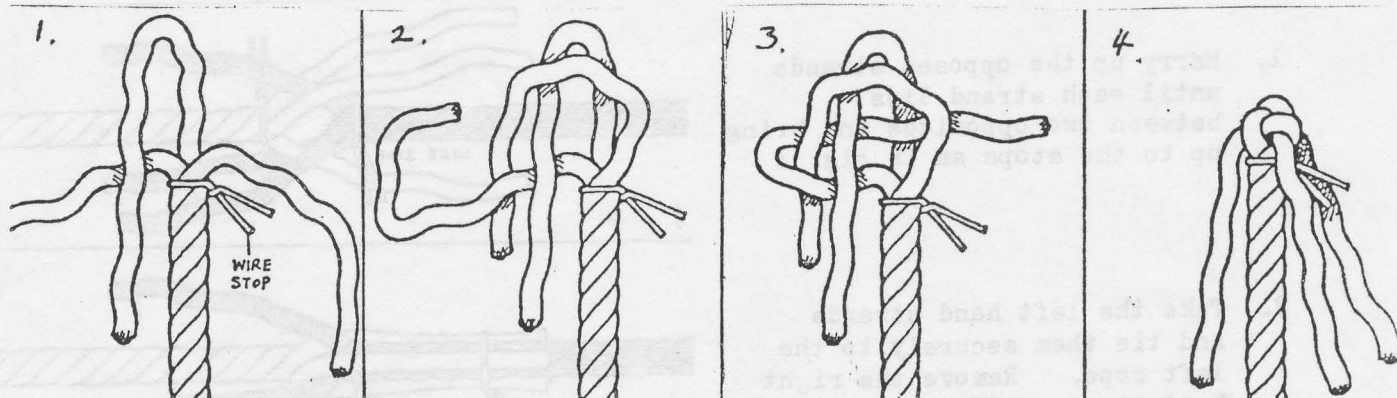
Nylon ropes - heat seal these ends and form into rope. Take care not to melt main strand of rope.



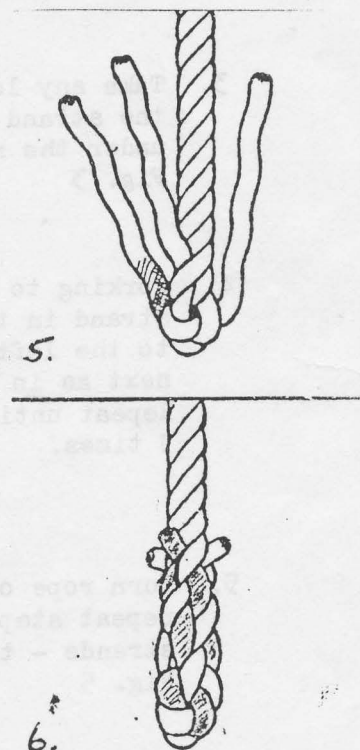
Back Splice:- Permanent way to stop a rope end unravelling - an alternative to whipping

Preparation: Stop rope 15cm from the end. Unravel to the stop - seal end of each strand with sellotape.

Tie crown knot - as shown Fig. 1 to 3. Work it tight to stop. Fig. 4.



Remove the stop. Turn knot upside-down. Take any loose strand, go over the strand to the left and tuck under the next strand as in Fig. 5



Working to the left take each strand in turn repeat tucks until each strand has been tucked at least 3 times. Trim the ends as in Fig. 6

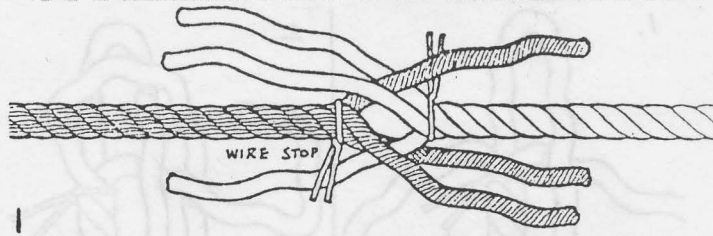
Nylon Rope:- The ends can be melted and formed into the rope taking care not to burn the standing rope



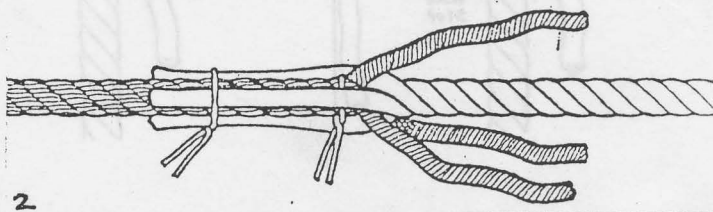
Short Splice:- Used to join a rope to make an endless loop (for strops) or to join two pieces of rope (stronger than a knot)

Preparation:- Stop each rope 15cm from the end (with sellotape or wire tie). Unravel both ropes to the stop - seal the end of each strand

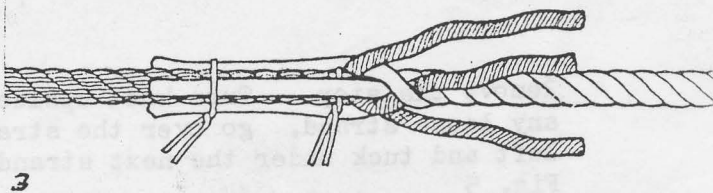
1. Marry up the opposed strands until each strand lies between two opposites and bring up to the stops as in Fig. 1



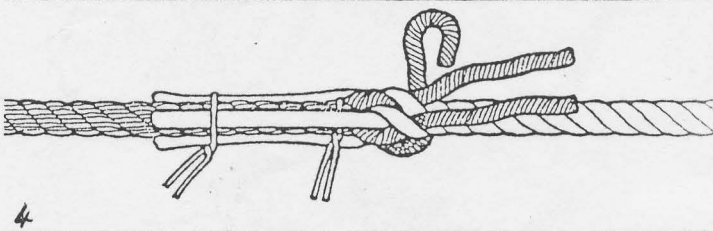
2. Take the left hand strands and tie them securely to the left rope. Remove the right hand tie as in Fig. 2



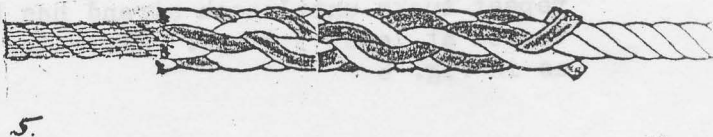
3. Take any loose strand. Go over the strand to the left and tuck under the next strand as in Fig. 3



4. Working to the left, take each strand in turn over the strand to the left and tuck under the next as in Fig. 4. Repeat until each strand tucked 3 times.



5. Turn rope over, remove ties and repeat steps 2 to 4 with loose strands - trim ends as in Fig. 5



Nylon Ropes:- The ends can be melted and formed into the rope taking care not to melt the standing rope.