

Rope Devices on the Farm

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It is surprising how much a rope, if rightly used, will do to solve some of the many difficulties that arise in the everyday life on the farm. Enough of these important uses are here pointed out to suggest other uses that can be made of this common convenience in farm and shop work.

The ends of the rope should be secured to prevent them from becoming frayed and unraveled, and to afford a secure hold in use. Some stout twine or cord should be provided. In case the strands have become unalid as in figure 1, lay them up tightly. Make a loop in one end of the cord and lay it along the rope with the loop extending away from the end of the rope, as indicated in figure 2. Start nearly a half inch from the end of the rope and proceed to wind the long end of the cord around the rope, working away from the end of the rope. The windings must be tight and close together. Finish by sticking the end of the cord through the loop, leaving a little for slack, as in figure 3. Now pull steadily on the other end of the cord until the loop has been drawn down several windings. This will fasten the ends of the cord, after which cut off both ends about one-fourth inch from the windings.

Some Handy Knots.

This fastening is suitable for hay and for halter ropes. It is also useful in mending split handles of farm and shop tools. Fine wire may be used in the same manner.

The simple overhand knot, figure 4, is used in making other knots here described.

One of the most useful of everyday knots is the square knot. To tie it, take an end of the rope in each hand. Place the end in the right hand underneath the end in the left hand. With the thumb and forefinger of the right hand turn the end of the rope that is on top around underneath the other end. While doing this, use the thumb and forefinger of the left hand to turn the end projecting to the left over toward the right as indicated in figure 5. Now bring the other end over and under this end as shown in figure 6. The knot should be drawn tight by pulling on both ends at the same time.

This is a splendid knot for tying together the ends of a rope or a cord of the same size.

A Knot That Will Not Slip.

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ardless of any strain put upon it is frequently needed. The bow-line knot is invaluable for this purpose. To tie it, make a half hitch near one end of the rope in such a way that the end of the rope is on top of the main rope. Pass this end around some object and bring it up through the half hitch as in figure 7. Continue by passing the end over and underneath the main rope. Finish by bringing the end up and sticking it down through the half hitch as in figure 8. Then draw it tight. This knot is useful for tying a rope around the horse's neck, for attaching a rope to a clevis and for making a loop in which a person may sit while being lowered into a well.

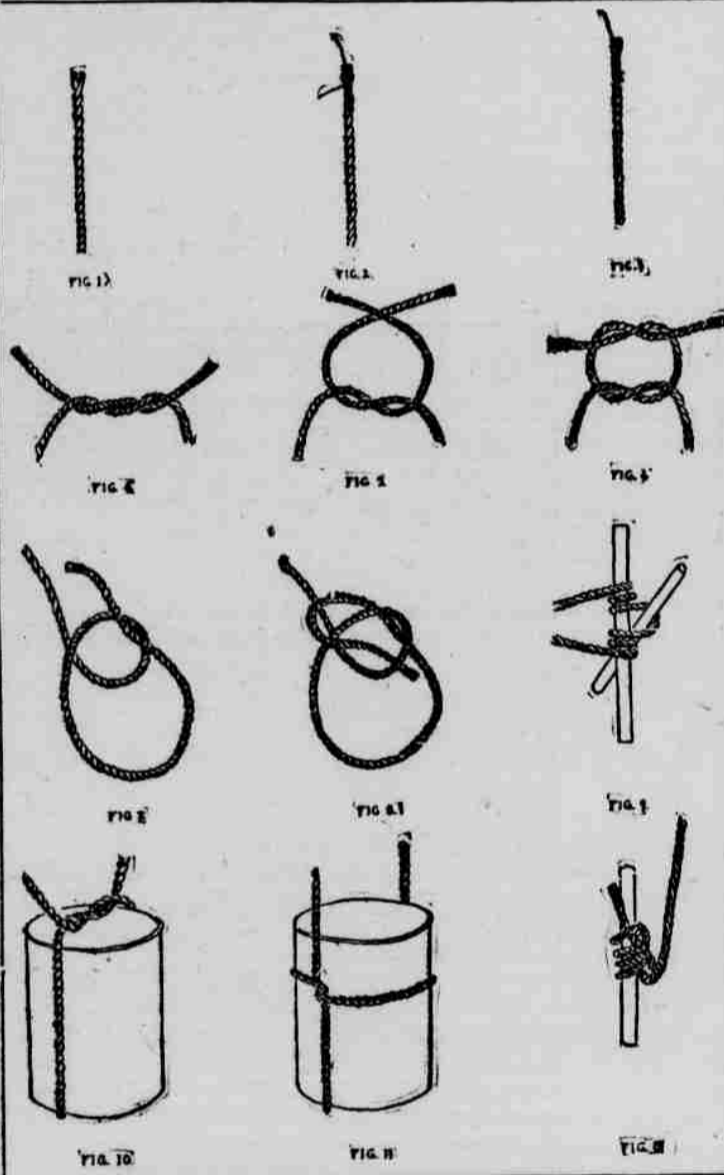
An improvised pipe wrench is shown in figure 9. It is suited to any size of pipe and to any degree of strain. The double end of a rope is wound several times around a pipe as indicated. Another pipe or a stick is thrust through the loop. The free ends of the rope are held while using the device.

An Apple Game.

Those who like to use their wits will enjoy the following game. Give papers upon which are written these questions, letting the players supply the answers:

- What apple is a sovereign? (King.)
- What apple is a great general? (Alexander.)
- What apple is a lady of rank? (Duchess.)
- What apple is trimming for a lady's coat? (Astrakhan.)
- What apple is a crustacean? (Crab.)
- What apple did King David love? (Jonathan.)
- What apple is turning verdant? (Greening.)
- What apple is a state and a color? (Arkansas red.)
- What apple do we get in winter? (Snow.)
- What apple is a month? (May apple.)
- What apple is a drink and the juice of plants? (Winesap.)
- What apple do you want to win? (Prize.)

An Omaha physician claims that the gas formed in the making of cider when inhaled by one whose lungs are diseased, will find it a perfect cure for tuberculosis.



A Convenient Device.

A convenient device for hoisting barrels, boxes and the like is shown in figures 10 and 11. Place the rope underneath the middle of the vessel. Bring the ends up and tie an overhand knot as shown. Separate the knot and bring a half down each side of the object to be lifted as shown in the figure. The ends of the rope may be tied with either a square or a bow-line knot.

There are a number of hitches that may be made for pulling pipes from wells and other similar purposes. The scaffold hitch, figure 12, is one of the best of these. To make the hitch, lay the long end of the rope along the object with the end projecting in the direction opposite to that from which the pull will be made. Make four or five tight windings about the short end of the rope and the object. Fasten this end by bringing it back over the windings and under the first winding made. To use the hitch, pull back across the windings as indicated. Large ropes should not be used on small pipes.

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