

INTERNET RESEARCH:

History, Science, and Technology



While making rope you may have wondered:

- how to find specialty ropes such as lariats, bungees, and jump ropes, or ropes for rock climbing, parachuting, or firefighting?
- how many different types of rope machines exist?
- which countries export plant materials for rope and which countries dominate rope manufacturing?
- how ropes are made in factories?
- which museums house rope collections?

Searching the Internet is a great way to answer your questions and to locate other information about rope. For example, you could learn how ropes are used to prevent oil spills. A 1996 International Maritime Organization resolution states that all tankers carrying 20,000 tons or more of hazardous materials must have an emergency towing system. That system includes Kevlar or wire rope for towing disabled vessels. Compare the properties, manufacturing process, and cost of ropes made from Kevlar and steel.

Another suggested topic is abaca fiber, a material that is three times as strong as cotton and extremely resistant to salt water. For years, abaca was the material of choice for marine cordage. Find out where it is grown and why we use the term *manila folder*.

Keywords Related to Rope Making

PLANTS	TECHNOLOGY	TEXTILES (rope)
Abaca (Manila Hemp), <i>Musa textilis</i>	Braid	Bast
Flax, <i>Linum usitatissimum</i>	Columbian Rope Co.	Cord
Hemp, <i>Cannabis sativus</i>	Jack	Cordage
Indian Hemp, <i>Apocynum cannabinum L.</i>	Paddle	Kevlar
Sisal <i>Agave sisalana</i>	Ply	Hyten polyamide
Toad flax, <i>Linaria linaria</i>	Plymouth Cordage	Lariat
	Rope Machine	Nomex
	Rope Walking	Nylon
	S-twist	Polyester
	Separator	Rope
	Whitehill Mfg. Corp	Spectra
	Wrench	Twine
	Z-twist	Wire Rope

References:

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