'Know the ropes'

concise INDEX

of hoisting gear

Communicating Vessels Editions

PLEASE NOTE

This index is not complete. Reference to hoisting gear, containing terms that are vulgar, obscene, offensive, or suggest illegal activity, has not been included.

the editor

ROOM FOR NOTES

PART I

HOISTING GEAR ON SAILING VESSELS

Mnemonic: mftjsrssstmftfsftfrsstfjojijwslskmtm tumtmsfsmtfttmbssbjcg.

There's a rope for the mainsail, a rope for the foresail, a rope for the topsail, a rope for the jib, a rope for the spanker, a rope for the ringsail, a rope for the skysail, a rope for the spritsail, a rope for the staysail, a rope for the topgallant, a rope for the mizzen, a rope for the fore topsail, a rope for the fore staysail, a rope for the fore trysail, a rope for the fore royal, a rope for the studdingsail, a rope for the storm trysail, a rope for the flying jib, a rope for the outer jib, a rope for the inner jib, a rope for the working sails, a rope for the light sails, a rope for the kites, a rope for the mizzen topsail, a rope for the main topsail, a rope for the upper main topsail, a rope for the main staysail, a rope for the fore skysail, a rope for the mizzen topgallant, a rope for the fore topgallant, a rope for the trysail, a rope for the mizzenroyal, a rope for the balloon sail, a rope for the spinnaker, a rope for the balloon jib, a rope for the crossjack and a rope for the Genoa.

<u>Category # 5</u> Non maritime hoisting gear of the fifth grade.

Mnemonic: **r** This is a rope labelled 'rope'. <u>Category # 4</u> Non-maritime hoisting gear of the fourth grade.

Mnemonic: hrgfffeaw

These are ropes on the 'chance' level: there's a rope labelled 'hazard', one labelled 'random', one labelled 'gender', a rope labelled 'fate # 1', a rope labelled 'fate # 2', a rope labelled 'fortune', one labelled 'everyone's a winner!', etc...

PART II

CATEGORIES OF NON-MARITIME HOISTING GEAR

<u>Category # 1</u> Non-maritime hoisting gear of the first grade.

Mnemonic: kcaaitmfsbsfstfcugudgubil

These are ropes on the 'stock' level: there is a rope labelled 'kinship', one labelled 'consanguinity', one labelled 'affiliation', one labelled 'antecedents', one labelled 'inheritance', one labelled 'tribe', one labelled 'mother', one labelled 'father', one labelled 'spouse', one labelled 'brother', one labelled 'son', one labelled 'first, second, third' or 'fourth cousin', a rope labelled 'uncle, great uncle' or 'distant great-uncle', a rope labelled 'brother-in-law', etc... <u>Category # 2</u> Non-maritime hoisting gear of the second grade.

Mnemonic: fsimdbcersgdaevcmfb These are ropes on the 'trade' level: there's a rope labelled 'price', one labelled 'savings', one labelled 'investments', one labelled 'monopoly', one labelled 'deal', one labelled 'boycot', one labelled 'cash', one labelled 'exchange rate', one labelled 'dollar', one labelled 'American Express', one labelled 'Visa', one labelled 'Chase Manhattan', one labelled 'Fleet Bank', etc.... <u>Category # 3</u> Non-maritime hoisting gear of the third grade.

Mnemonic: **drsddraracplpsp** These are ropes on the 'discourse' level: there's a rope labelled 'rhetoric', one labelled 'soliloquy', one labelled 'dialogue', one labelled 'dialectic', one labelled 'rap', one labelled 'appeal', one labelled 'rap', one labelled 'appeal', one labelled 'reconsideration', one labelled 'argumentation', one labelled 'firearms license', one labelled 'conviction', one labelled 'persuasion', one labelled 'lobby', one labelled 'powwow', one labelled 'IBM', one labelled 'speculation', one labelled 'ne labelled 'encyclical', one labelled 'one size fit all', etc....

DEDICATION

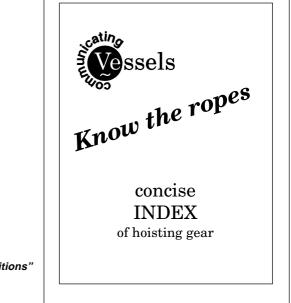
Mass, friction and gravity are phenomena that affect our daily life. Pulley systems make it possible to do work more conveniently. However, the system itself is not a source of energy. Rather work is fed into it, and the system may change the work in one of three ways:

- it changes the direction of the force, so that it is more convenient to apply;
- it changes the magnitude of the force in order to decrease speed or distance;
- it changes the magnitude of the force, so that a small input force can be used to overcome a large output force.

Life is so much easier for those who know which wire to pull, for those who know the ropes.

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(if no work is wasted) work input = work output + work wasted

work input = work output

mechanical advantage = $\frac{\text{output force}}{\text{input force}}$

$$MA = \frac{F_o}{F_i}$$

 $Efficiency = \frac{\text{useful work output}}{\text{total work input}}$