

'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:

**mftjrsrsstmftfsftfrsstfjojijwslskmtm
tuntmsfsmfttmbsbjcg.**

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.

Category # 5

Non maritime hoisting gear
of the fifth grade.

Mnemonic: r

This is a rope labelled 'rope'.

Category # 4

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

Category # 1

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...

Category # 2

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 'scarcity',
one labelled 'guilder', one labelled
'dollar', one labelled 'American Express',
one labelled 'Visa', one labelled 'Chase
Manhattan', one labelled 'Fleet Bank',
etc....

Category # 3

Non-maritime hoisting gear
of the third grade.

Mnemonic: **drsddraracplp**

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 '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 'principle',
one 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.

Communicating Vessels Editions

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The logo for "Communicating Vessels" features the word "Communicating" in a circular arrangement around a central circle containing the word "Vessels".

**Communicating
Vessels**

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

work input = work output + work wasted

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

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

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