of parts at the moveable block, minus the one-fourth, or 13.3, gives 40.1 tons as the weight

fourth, or 13.3, gives 40.1 tons as the weight required.

To find what size rope you need, when roven as a tackle, to lift a certain weight:
Divide the weight to be raised by the number of parts at the moveable block to obtain the strain on a single part. To this add one-third for the increased strain brought by friction and reeve the rope of corresponding strength.

One-sixth of forty tons is six and two-thirds tons, which, with one-third added, is nine tons, nearly, for which you should reeve a two-inch and a quarter inch rope.

FOREIGN WEIGHTS AND MEASURES.

Reduced to the Canadian standard. (The two right hand figures are the hundredth parts of a whole number.)

France.

Decimetre	1.10th metre	3.94	inches
Hectolitre		2,00	galls.
Litre		2.64	galls.
Kilolitre		35.32	feet.

Spain.

Quintal, or 4 arrobas101.44	lbs.
Arroba of wine	lhe
Fanega of grain	gails.

100 lbs	.101.19 lbs.
22 lbs. (1 arroba)	22.26 lbs.

France.

Hectolitre	2.84 bushels.
Decantre	9.08 qts.
MUHET	2.205 lbs.
Quintal	220.54 lbs.
Kilogramme	2.21 lbs.

Holland.

100 lbs, 1 centner	108.93	lbs.
Last of grain	85.25	bushe's.
Anm of wine	41.00	gallons.
Amsterdam foot	0.93	
Antwerp foot	0.94	foot
Rhineland foot	1.03	foot.
Amsterdam ell	2.26	feet.
Ell of the Hague	2.28	feet.
Ell of the Brabant	2.30	feet

Netherlands.

Ell	3.28 feet, 2.84 bushels. 26.42 gallons, 2.11 pints,
rond knogramme	2.21 lbs.

Hamburg.

Last of grain		bushels.
TT		
Hamburg foot	0.96	foot.
Last	1.92	feet.

Portugal.

4 arrob. of 22 lbs. (1 quint.) Alquiere	89.05 lbs. 4.75 bushels. 23.03 bushels. 70.00 bushels.
Almude of wine	4.37 gallons.

Sicily and Naples.

Fiv

Cantaro groso Cantaro sottile	175.00	lbs.	
100 lbs			
Salma grossa of grain	9.77	bushels_	
Salma generale	7.85	bushels.	
Salma of wine	23.06	gallons.	
Cantaro groso	196.50	Ibs.	
Cantaro Picolo	106.00	lbs.	
Carro of grain	52.24	bushels.	
Carro of wine	264.00	cellons	

Rome and Genoa.

Rubbio of grain Barth of wine 100 lbs. or peso groso 100 lbs. or peso sottile Mina of grain Mezzarola of wine	8.36 bushels. 15.31 gallons. 76 87 lbs. 69.89 lbs. 3.43 bushels. 39.22 gallons.
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Florence and Leghorn.

100 lbs. or 1 cantaro	74.86 lbs.
Moggio of grain	16.59 lbs.
Barile of wine	12.04 gallons.

Prussia.

100 lbs of 2 Cologne marks Quintal, 110 lbs	103.11 113.42	
Sheffel of grain	1.56	bush.
Ell of cloth		feet. feet.

Denmark.

100 lbs, 1 centner	2.04	lbs. bush. galls. feet.

Sweden.

100 lbs of 5 lispunds Kan of corn	73.76	lbs. bush.
Last Cann of wine	75.00	bush.
Ell of cloth	69.09 1.95	feet.

Russia.

100 lbs of 32 laths each	90.26 lbs.	
Chertweart of grain	5.95 bush.	
Vedro of wine	3.25 galls.	
Petersburg foot	1.18 feet.	
Moscow foot	1.10 feet.	
Pood	36,00 lbs.	

Venice.

100 lbs,	peso groso	105.18	lbs.
100 IDS.	Deso sottile	64.04	lbs.
Moggio	of grain	9.08	bush.
Anifora	of wine	137.00	galls.