

But if water should ever be much wanted, half an ounce of the Essence of Spruce, with a little honey, Syrup or molasses, given as a medicine, will be found to have a very powerful effect in scorbutic and bilious complaints, nevertheless it certainly given in beer is much better, and answers a double purpose, both as medicine and drink, comes not as cheap as common small beer in Europe, and greatly cheaper both in the East and West Indies, besides a vast advantage in Rowing, as nothing is necessary to take there, but the Essence, of which one gallon will make 450 gallons of the Beer, and allowing each man a quart of beer a day, will cost in either Indies no more than about 8s. 6d. to 8s. 8d. per man per year, and in Europe about 10s. to 11s. per man per year, so that supposing each man to be 6 months in actual service, 6 months of which it will be necessary to give him Spruce Beer, it will not cost above 4s. to 4s. per year per man to keep them in health, and allowing every man 2 quarts a day, from 1s. to 10s. and in time of peace much less.

Quantum of Stowage.

Less than 8 gallons of all the necessary materials makes one butt of beer.

It must be made fresh twice in twenty-four hours, and to cool the Wort as soon as possible after the Essence is dissolved.

When a few pounds of the Essence is only to be used, it may be cut out of the cask with a chisel. When a cask is to be used at a time, the whole of the Essence contained in the cask may be separated from it in a solid body. If the head is taken out and the hoops loosened, it may then be placed in a clean tub, large enough for the purpose, broken to pieces with a hatchet, &c. and dissolved.

Quantum of stowage.

15 gallons of Essence of Malt will make one butt of Wort. But as this Wort is only used as a medicine, consequently its whole bulk is extra stowage as well as an extra waste of water.

To supply 100 Men 1 Month on the Voyage giving each man 2 Quarts of Spruce Beer p^r. Day will require
13 to 14 p^r. Spruce 6/- 3.18 -
3.2.14 - Molasses - 3.12.6

To supply 100 Men one Month with Port wine each Man a 2 Quarts p^r. day will require
700 lb. p^r. Malt 9. 26.5 -
7.10.6

Saved by the use of Spruce p^r. Month - 18.14.6