

Holograph draft notes relating to the tin trade, probably preparatory to MINT00696 (/catalogue/record/MINT00696) (Mint 19/3/538) or a closely related document, with lists of expenses and several series of calculations, some relating to the tin trade and others to astronomical movements.

**Author:** Isaac Newton

**Source:** MINT 19/3/539-40, National Archives, Kew, Richmond, Surrey, UK

---

<539r>

1600 Tunns at 3 <sup>li</sup> 14 <sup>s</sup> cwt cost	118400.
Scobels account for salaries & incidents in Cornwall	2290
Anstis's account for salaries & incidents in London	4086 16 3
	124776.
	16. 3
If there be allowed for Losses by {enemy} sea & accidents & for promoting the exportations & consumption about	<u>5508. 18.</u> <u>0</u>
the total will be	130285.

14. 3

1600 Tunns stannary weight reduced to averdupois weight, makes 1714 Tunns 5<sup>cwt</sup> 2<sup>qts</sup>. 24<sup>lb</sup> 130285.  
& sold at 76<sup>s</sup> per cwt comes to 14. 3

The interest of 80000<sup>li</sup> constantly advanced comes to 3<sup>s</sup> per cwt to be deducted from the price, & so in proportion for the interest of a greater or lesser summ constantly advanced.

1600 Tunns of Tin at 3<sup>li</sup> 14<sup>s</sup> per cwt stannary weight (including coynage Duty) comes to 118400

Freight to London at 25<sup>s</sup> per Tunn avoir de pois is 2142.  
16. 3

Salaries (including 30<sup>li</sup> per annum to Truro) 2890.

If there be allowed for losses by enemy sea & accidents & for promoting the } 5502.  
exportation about 18. 0

The total expence will be annually 130285  
14. 3

And 1600 Tunns stannary weight reduced to averdupois weight makes 1714 Tunns } 130285.  
5<sup>cwt</sup>, 2<sup>grs</sup>, 24<sup>lb</sup> which sold at 3<sup>li</sup> 16<sup>s</sup> per brings in annually 14. 3

The interest of 80000<sup>li</sup> constantly advanced comes to 3<sup>s</sup> per stannary weight to be deducted from the price of 3<sup>li</sup> 14<sup>s</sup> per cwt. And so in proportion for the interest of a greater or lesser summ advanced. And therefore is ever since the first year & half of the present interest the Queen has advanced more or less about 200000<sup>li</sup> the interest comes to 7<sup>s</sup> 6<sup>d</sup> per cwt to be deducted from the present price of 3<sup>li</sup> 14<sup>s</sup> per cwt, & so leaves 3<sup>li</sup> 6<sup>s</sup> as an equitable price per cwt including the Coynage Duty: And this without considering the further loss which the Crown will sustain at {the} {illeg} of the contract by the fall of the price of the Tin.

<539v>

Sixteen hundred Tunns of Tin at 3<sup>li</sup> 14<sup>s</sup> per cwt stannary which including coynage duty } 118400. 00.  
amounts to 00

Freight of 1600 Tunns thereof avoir de pois sent to London at 25<sup>s</sup> per Tunn } 2000. 00. 00

Salaries (including 30<sup>li</sup> per annum paid to Truro) 2890. 00. 00

Incidents, Post groats, & Letters, about 1350. 00. 00

If there be allowed for losses by enemy sea & accidents & for promoting the exportation } 5645. 14. 03  
about

The total expence will be annually 130285. 14.  
03

So that the account is about eaven without recconing interest for money advanced.

The interest of every 20000<sup>li</sup> advanced at 6 per cent amounts to 9<sup>d</sup> per cwt stannary weight. And therefore if after the first years & half of the present contract there has been about 200000<sup>li</sup> (more or lesse) advanced, the interest amounts to 7<sup>s</sup> 6<sup>d</sup> per cwt stannary weight to be deducted out of the price of 3<sup>li</sup>. 14<sup>s</sup> per cwt. And by this deduction the price becomes 3<sup>li</sup>. 6<sup>s</sup>. 6<sup>d</sup> per cwt stannary weight, including coynage duty.

And in this recconing, the loss which the crown may sustein in the end of the contract by the fall of the price of Tin is not considered.

1600 Tunns cost	118400
Freight to London	2000
Salaries	2890
Post groats, Incidents & Letters about	1350
Losses by enemy sea & accidents & abatements for encouragement of exportation	5000
Interest of 200000 more or less advanced	<u>12000</u>
Total	141640

Which is  $4^{\text{li}}. 8^{\text{s}}. 6^{\text{d}}\frac{1}{4}$  per cwt stannary weight, whereas  $3^{\text{li}} 16$  per cwt avoir de pois is but  $4. 1. 5^{\frac{1}{8}}$  per cwt stannary. So her Majesty loses  $7^{\text{s}}. 1^{\text{d}}\frac{1}{8}$  per cwt stannary besides the loss by the fall of the price in the end of the contract:

1661 <sup>Tuns.</sup> . 16 <sup>cwt.</sup> . 36 <sup>Lwt</sup> in 1706 cost	122974.
Scobels account for salaries & Incidents at Cornwall	2828
Anstis's for salaries & Incidents at London	5730
Interest of 200000'	12000
Losses by enemy sea & accidents &c	5000
Total	<u>148532</u>

Which is  $4^{\text{li}}. 9^{\text{s}}. 4^{\text{d}}\frac{1}{2}$  per cwt stannary weight, whereas  $3^{\text{li}} 16^{\text{s}}$  per cwt, avoirdupois is but  $4. 1. 5^{\frac{1}{8}}$  per cwt stannary. So her Majesty loses  $7^{\text{s}}. 11^{\text{d}}\frac{3}{8}$  per cwt standard.

---