



















A N  
AUTHENTICK ACCOUNT

O F T H E

Weights, Measures, Exchanges, Customs, Duties,  
Port-Charges, &c, &c.



*4<sup>th</sup> Ed. 19. Th. W.*



A N  
AUTHENTICK ACCOUNT  
OF ALL THE DIFFERENT  
C O I N S,

(Both REAL and IMAGINARY)

BY WHICH

ACCOMPTS in the EAST INDIES are kept.

TOGETHER WITH

A GENERAL ACCOUNT

OF ALL

The WEIGHTS, MEASURES, EXCHANGES, CUSTOMS,  
PORT-CHARGES, and DUTIES, at the following Places:

VIZ.

|            |          |         |           |              |
|------------|----------|---------|-----------|--------------|
| MADRAS,    | BENGAL,  | BOMBAY, | COMBROON, | BATAVIA,     |
| SURATT,    | MINILLA, | MOCHA,  | CANTON,   | CALCUTTA,    |
| PEGU,      | GOA,     | COCHIN, | TONQUIN,  | MUSCAT,      |
| SALANGORE, | SAIAM,   | TOCOPA, | MALACCA,  | ANJENGO,     |
| COMBAY     | CARWAR,  | ACHIN,  | RUSORAH,  | TELLICHERRY. |

To which are added,

A Variety of EXAMPLES and TABLES,  
Reducing *Troy-Weight* into *Canton-Weight*, and *Canton-Weight* into  
*Troy-Weight*, with the greatest Exactness.

L O N D O N:

Printed for N. YOUNG, Bookfeller, under the Royal Exchange.

M.DCC.LXVI.





T O T H E

Worthy Commanders, Supracargoes, and  
the rest of the Gentlemen in the  
Service of the *Honourable United-  
Company of Merchants of England,*  
Trading to the *East-Indies.*

G E N T L E M E N,



S the Value of Books consists not  
in the Bulk, or Number of Pages  
in the Volume, but are esteemed  
in Proportion to the Importance of  
the Subject treated on; and the ra-  
tional Execution thereof, for the Advancement of  
b Literature,

Literature, Encouragement of Arts and Sciences, Investigation of Truth, or the further Improvement of Trade and Navigation. For which last as this Book is wholly designed ; so I hope that all the *worthy Gentlemen* kindly subscribing to this Undertaking, (being the first of the Kind,) will take into due Consideration, that a Work of this Nature cannot admit of Historical Descriptions, needless Prolixities, or trivial Accounts, that frequently swell the Bulk of most Books; but that it's Value arises from the *exact Calculation* of the several *Weights, Coins, &c.* found to be the Medium of Trade, in those distant Countries; yet not to be thoroughly understood, without long Experience, frequent Observations, and a quick Discernment to detect the Rogueries, and guard against the frequent Impositions and egregious Frauds committed by the Natives ; who little fearing the Complaints of Foreigners to their own partial and byas'd Judges, make what Advantages their own  
Subtily

Subtilty and Experience can gain from the uninformed European. Nay, so flagrant are their Practices, and their Assurance so notorious, that, after having artfully cheated you, they will laugh at you, and value themselves on their own Cunning. Wherefore, to obviate these Difficulties, detect their several Impositions, and prevent the same for the future, I have compiled a regular Account of the several *Weights, Measures, Exchanges, Customs, Duties, Port-Charges, &c.* made Use of, and paid in the several *Ports in East-India*, traded unto by Europeans. The Whole being calculated principally for the Use of such Gentlemen, who are, or may be employed in the Service of the *Honourable East-India Company*.

The *Weights, Coins, &c.* of the several Ports I have mentioned, are very considerable; and I believe will prove sufficient to satisfy any Gentleman's Curiosity, for I have left out no one of Note; but have taken the greatest Pains imaginable to compile the whole, at the Expence of some *Millions of Figures*, before it could be brought into the Form it now stands.

And to make this Work more useful, I have subjoined a *Compendium* for the readier Payment of large Sums in CHINA, by *Tables*, reducing *Troy-Weights* into *Canton-Weights*, and *Canton-Weights* into *Troy-Weights*, by which Assistance, I flatter myself, that the Reader will be so far informed, as to prevent his being imposed on.

If any Faults should be observed in this Work, I hope the Critick will be the more favourable to me, as it is the *First* of it's Kind ever made publick.

I have omitted nothing to render this WORK as *compleat*, as all the Helps I could come at, and other, Circumstances would admit of. And I hope; that, considering the Variety of *Weights*, *Measures*, *Coins*, &c. as few Errors have escaped my Notice, as could be reasonably expected.

I am, Gentlemen,  
*your most obedient, and obliged humble Servant,*

Thomas Brooks.

A N  
AUTHENTICK ACCOUNT  
O F T H E

Weights, Measures, Exchanges, Customs, Duties,  
Port-Charges, &c, &c.

\*\*\*\*\*

*Fort St. George or Madras.*

*Gold and Silver Weights.*

|                         |                   |   | Oz. | dw. | Gr. |                       |
|-------------------------|-------------------|---|-----|-----|-----|-----------------------|
| 1 Pagoda                | — is —            | — | 0   | 2   | 4   | $\frac{2}{160}$ Troy. |
| 9 $\frac{1}{16}$ Ditto  | — —               | — | 1   | 0   | 0   |                       |
| 8 Ditto                 | — 1 Dollar weight | — | 0   | 17  | 14  |                       |
| 100 Dollars             | — —               | — | 88  | 1   | 17  |                       |
| 100 Venetian Duccats    | — —               | — | 11  | 0   | 5   |                       |
| 100 Gubbers at a Medium | — —               | — | 10  | 17  | 12  |                       |
| 1 Rupee                 | — —               | — | 0   | 7   | 11  |                       |
| 100 Ditto               | — —               | — | 37  | 5   | 20  |                       |

B

Great

## 6 An AUTHENTICK ACCOUNT of



### Great Weights.

|                                      | llb. | Oz. | Dr.             |                      |
|--------------------------------------|------|-----|-----------------|----------------------|
| 10 Pagodas is 1 Pollam, equal to —   | 0    | 1   | 3 $\frac{1}{4}$ | <i>Avoirdupoise.</i> |
| 8 Pollams is 1 Seer, or 9 Oz. Troy — | 0    | 9   | 10              |                      |
| 5 Seer is 1 Vis — — — —              | 3    | 0   | 2               |                      |
| 1 Maund — — — is — — — —             | 25   | 0   | 0               |                      |
| 20 Ditto — — — is 1 Candy — —        | 500  | 0   | 0               |                      |
| 1 Pecul — — — is — — — —             | 132  | 0   | 0               |                      |



### Grain Measures.

|                                                  | llb. | Oz. |                               |
|--------------------------------------------------|------|-----|-------------------------------|
| 1 Measure weighs about — — —                     | 2    | 10  | <i>Avoirdupoise.</i>          |
| 8 Ditto — — — is 1 Mercal — — —                  | 21   | 0   |                               |
| 3200 Ditto is 400 ditto, or 1 Garfe —            | 8400 | 0   |                               |
| 1 Madrafs Rupee weighs — — —                     | 7    | 11  | Troy, and is better than      |
| English standard, — — —                          | 14   | 10  | in 1 llb. It is Country Touch |
| 9 $\frac{1}{4}$ . China Touch 98 $\frac{1}{4}$ . |      |     |                               |

1 Madrafs

---

## WEIGHTS, COINS, &c. in EAST-INDIA. 7

---

1 Madrafs Pagoda weighs  $\frac{\text{dw.}}{2} \frac{\text{Gr.}}{4\frac{1}{4}}$  is English Matt.  $\frac{\text{Car.}}{20} \frac{\text{Gr.}}{2\frac{1}{5}}$

Country Touch  $8\frac{5}{8}$  China  $86\frac{1}{4}$

1 Allumgeet Pagoda  $\frac{\text{dw.}}{1} \frac{\text{Gr.}}{22}$  — — English Matt.  $\frac{\text{Car.}}{23} \frac{\text{Gr.}}{2\frac{4}{5}}$  Coun-  
try Touch  $9\frac{7}{8}$  China  $98\frac{1}{4}$ .

### Weights.

10 Pagodas weight is equal to — 1 Pollam

40 Pollams — — — — 1 Vis, or  $3\frac{1}{8}$  lb. *Avoirdupoise*.

8 Vis — — — — 1 Maund, or 25 lb. *Ditto*.

20 Maunds — — — — 1 Candy, or 500 lb. *Ditto*.

1 Madrafs Maund is equal to — — ,667377 Decimal Parts of a  
Surat Maund.

1 Madrafs Dollar weighs —  $\frac{\text{dw.}}{17} \frac{\text{Gr.}}{14}$  ,8125 *Troy*.

1 Ditto Pagoda — — — — 2 4 ,8516 *Ditto*.

### Liquid and Dry Measures.

1 Measure is equal to  $1\frac{1}{2}$  pint English of 423 Cubick Inches.

8 Ditto — ditto — 1 Mercal — of 3384 ditto — ditto.

400 Marcals - ditto - 1 Garfe - of 1,353,600 ditto — ditto.

B 2

I Covid

## 8 An AUTHENTICK ACCOUNT of

1 Covid is equal to — — —  $\frac{\text{Inc.}}{18\frac{6}{5}}$

N. B. 1 Measure weighs about —  $\frac{\text{lb. Oz.}}{2 \quad 8}$  *Avoirdupoise*.

8 Ditto — — — 21 a 22 0

3200 Ditto is 400 Mercals, or 1 Garfe, which weighs

8400 lb. which is  $3\frac{1}{4}$  Tons, or 100 Bengal Baazar Maunds

of  $\frac{\text{lb. Oz. Dr.}}{82 \quad 2 \quad 2}$  each.



## Coins.

80 Cash make — — — 1 Fanam.

36 Fanams — — — 1 Pagoda poise  $\frac{\text{dw. Gr.}}{2 \quad 4}$

is 8,625 Matts fine.

100 Madras Rupees weight —  $\frac{\text{Oz. dw. Gr.}}{37 \quad 5 \quad 20}$  and are better

than standard — — —  $\frac{\text{dw.}}{14\frac{1}{2}}$

100 Bombay Ditto — — — are better than standard  $10\frac{1}{2}$

N. B. 36 Fanams to a Pagoda, is the Exchange, by which all the Servants, belonging to the Company, receive their Salaries; But in the Baazar, the general Exchange in Trade, is 40 to 42 Fanams for a Pagoda.

B E N G A L L.

# BENGAL.

## Weights.

|                               | lb. | Oz. | Dr. | Deci.                      |                    |
|-------------------------------|-----|-----|-----|----------------------------|--------------------|
| 16 Chittacks make — 1 Seer of | 1   | 14  | 14  | ,8666                      | <i>Avoir.</i>      |
| 40 Seer is — 1 Maund of       | 74  | 10  | 10  | ,666                       | <i>Ditto.</i>      |
|                               | lb. | Oz. | Dr. |                            |                    |
| 11 Factory Maunds of          | 74  | 10  | 10  | each, is 10 Baazar Maunds. |                    |
|                               |     | lb. | Oz. | Dr.                        |                    |
| 1 Baazar Maund is equal to    | —   | —   | 82  | 2                          | 2                  |
|                               |     | dw. | Gr. |                            |                    |
| 1 Secca weight is equal to    | —   | —   | 7   | 11                         | ,5511 <i>Troy.</i> |

## Coins.

|              |   |   |   |   |         |
|--------------|---|---|---|---|---------|
| 12 Pice make | — | — | — | — | 1 Anna  |
| 16 Annas     | — | — | — | — | 1 Rupee |

To reduce Madrafs or Surat Rupees, to current Rupees, you must add 10 per Cent. and to bring current Rupees, to Madrafs Rupees, you must multiply the Sum by 100, and divide that Product by 110, and the Quotient is the Answer in Madrafs Rupees.

C

4 Cowries

# 10 An AUTHENTICK ACCOUNT of

4 Cowries make — — — 1 Gunda.  
 20 Gundas — is — — — 1 Ponn.  
 32 Ponns — is — — — 1 Current Rupee;

Tho' they sometimes rise and fall according to the Quantity of Cowries in the Place.

Cargoes are commonly sold from 40 to 42 Ponns per Arcat Rupee, which is 8 per Cent. better than Current Rupees.



## Measures.

1 Measure is — — — 5 Seer.  
 8 Ditto — is — — — 40 Seer.

The Covid (in Cloth Measure) is 9 Inches.



P E G U.

---

# WEIGHTS, COINS, &c. in EAST-INDIA. II

---



## *P E G U.*

---

### Weights.

100 Moo is — 1 Tuall

100 Tuall is — 1 Vis — equal to 

| lb. | Oz. | Dr. |
|-----|-----|-----|
| 3   | 5   | 5   |

*Avoir.*

150 Vis is — — 1 Candy — — 500 0 0



## *T O C O P A.*

---

The Produce of this Port is only Tinn, of which 100 Bahaar may be had; if there have not been other Vessels in the Port for some time before.

Tinn is the only Coin in this Place, and is distinguished as follow; Viz.

3 Pingas is — — 1 Puta.

4 Putas — — 1 Vifs.

10 Vifs — — — 1 Capin.

8 Capins — — — 1 Bahar, equal to 

| Factory | Maunds. | Seer.    |
|---------|---------|----------|
| 6       | 15      | Bengall. |

C 2

The

The Duties of this Place were formerly 8 per Cent. but are lately farm'd by a Malabar called *Ramah Kijnar*, who commonly agrees from 2 to  $2\frac{1}{2}$  Bahar for every Vessel, and a few Presents: with one likewise for the Great Men, but of small Value.

*N. B* You must not fell upon Trust, and must always go ashore armed.



## *A C H I N.*

---

### Weights.

16 Mace is — — 1 Talle

5 Talles — — 1 Boncall

|                                       |     |     |     |
|---------------------------------------|-----|-----|-----|
| 20 Boncalls — — 1 Catty equal to Troy | Oz. | dw. | Gr. |
|                                       | 30  | 17  | 12  |
|                                       | lb. | Oz. | dw. |

200 Catty Malaya — 1 Bahar — — 501 5 10 Troy.

or 412 8 12 Avoir.

$1\frac{1}{2}$  Catty Chinese Weight, is commonly reckoned one Catty Malaya, which makes 3 Chinese Peculs equal to one Malaya Bahar, in which is a loss to the Buyer of 2 Cattys, the

---

## WEIGHTS, COINS, &c. in EAST-INDIA. 13

---

the latter being but 396 lb, of which Care must be taken, it being an Imposition.

|                        |     |     |     |                                 |
|------------------------|-----|-----|-----|---------------------------------|
|                        | Oz. | dw. | Gr. |                                 |
| One Boncall of Gold is | 1   | 10  | 21  | Troy of $9\frac{1}{5}$ Matt, or |

|                                         |       |       |      |
|-----------------------------------------|-------|-------|------|
|                                         | Pago. | Fana. | Cah. |
| Touch 92, and is worth in Madrafs Mint, | 14    | 30    | 4b.  |



# *JONKCEYLOAN.*

---

## Weights.

|                 |   |   |   |                                         |
|-----------------|---|---|---|-----------------------------------------|
| 3 Puncchorfs is | — | — | — | 1 Poot.                                 |
| 4 Poots         | — | — | — | 1 Vis.                                  |
| 10 Vis          | — | — | — | 1 Capin.                                |
| 8 Capins        | — | — | — | 1 Bahar equal to $6\frac{1}{2}$ Bengall |

Factory Maunds.

The Division of Weight, is the same here as at Tocopa; but the Bahar is about 5 Bengall Seer larger: the Kirg of Siam's Customs are 8 per Cent. but none is paid on Opium, or Rice.

The Presents are generally a Peice of the several sorts of Goods you have, to about 20 Peices.

D *SALANGORE.*



## *SALANGORE.*

---

### Weights.

They deal here for imaginary Dollars, which are thus computed by Weight.

8 Tompongs of Tinn, weight 8 Cattys is — 1 Dollar  
30 Dollars or 240 Cattys is — — — 1 Baahar.

They sometimes sell by the Mallacca Baahar of 300 Cattys, it is therefore necessary in bargaining, to mention what Baahar you agree for.



### Customs.

The Customs are 2 Dollars per Baahar, that is 2 of 30; and the presents to the Great Men are about 60 Dollars in Cloth.

In the Year 1746, the Price of Tinn here was 33 Spanish Dollars per Baahar of 300 Catty, clear of Customs.

*MALACCA.*

*M A L A C C A.*

## Weights.

16 Tales is — — 1 Catty.

100 Cattys — — 1 Pecul, equal to 135, llb. *Avoir.*

3 Pecul — — — 1 Baahar.

All Goods are weighed by the Company's Dotchin, for which you pay the Captain of the *Chinese*, (who is the Dotchin-keeper) 1 per Cent.

# Gold Weights.

|                                               |     |     |                   |
|-----------------------------------------------|-----|-----|-------------------|
|                                               | Oz. | dw. | Gr.               |
| 16 Miams is - 1 Boncall, equal to Troy Weight | 1   | 9   | 18 $\frac{7}{12}$ |

20 Boncalls - 1 Catty. ———— 29 16

# Coins.

All Coins are current here, but that in which all Accounts are kept, is Rix Dollars, an imaginary Coin; but

D 2

**the**

## 16 AN AUTHENTICK ACCOUNT of

the Money most current in the Shops and Baazars, are Rupees, Skillings, Doublekyes, and Doits.

4 Doits — — is — — 1 Stiver.

6 Stivers — — — — 1 Skilling.

8 Skillings — — — — 1 Rix Dollar.

1 Duccatoon is current for — 13 Skilling.

1 English Crown Peice, — 10 Ditto.

1 Bombay, or Surat Rupee, — 5 Ditto.

1 Madrafs Rupee (tho' of the value with  
Bombay) — — — — 4 Ditto.

1 Arcat Rupee, (tho' but 1 per Cent. worse  
than Surat) — — — — 4 Ditto.

} Because they are not  
so Broad as the Bom-  
bay, or Surat Rupees.



## Measures.

A Malacca Quoin is 3200 Chupas, or 800 Cantins  
equal to 5000 Dutch  $\frac{\text{lb.}}{\text{lb.}}$  or  $547\frac{1}{2}$  English; or Canton Pe-  
culs (according to the Dutch calculation of  $\frac{\text{lb.}}{125}$  to a Pecul)  
40 Peculs.

A Laft is 2000 Chupas, 500 Cantins, 3000 Dutch  $\frac{\text{lb.}}{\text{lb.}}$   
24 Peculs;  $328\frac{1}{2}$  English.

S I A M.

\*\*\*\*\*

*S I A M.*

---

Gold *and* Silver Weights.

Are by Tual, which weighs nearest  $\frac{\text{dw.}}{9} \frac{\text{Gr.}}{10}$  and is  $\frac{\text{dw.}}{9\frac{1}{2}}$  better than standard Silver.

\*\*\*\*\*

Great Weights.

Are from their Coins likewise as.

|             |   |   |            | $\frac{\text{lb.}}{2}$ | $\frac{\text{Oz.}}{9}$ | $\frac{\text{Dr.}}{4\frac{1}{4}}$ |                  |
|-------------|---|---|------------|------------------------|------------------------|-----------------------------------|------------------|
| 80 Tuals is | — | — | 1 Catty or | —                      | —                      | —                                 | <i>Avoir.</i>    |
| 50 Catty    | — | — | 1 Pecul.   | —                      | 129                    | 0                                 | 13 <i>Ditto.</i> |

But 50 Cattys Siam, should make 1 Pecul China of  $\frac{\text{lb.}}{132}$ , for they weigh all their Goods by the China Dotchin; but it's never found that the King's Dotchin at Siam, gives more than  $\frac{\text{lb.}}{129}$ , which should be  $\frac{\text{lb.}}{132}$ .

E

COINS.



## Coins.

Their Coins, are Tuals, Miams, Tuangs, and Samporfs.

|            |   |    |   |   |   |   |          |
|------------|---|----|---|---|---|---|----------|
| 2 Samporfs | — | is | — | — | — | — | 1 Tuang, |
| 2 Tuangs   | — |    | — | — | — |   | 1 Miam,  |
| 4 Miams    | — |    | — | — | — |   | 1 Tual.  |

Their Accompts are kept in Cattys, Tales, Tuals, Miams, Tuangs and Cowries.

|             |    |   |   |   |   |          |
|-------------|----|---|---|---|---|----------|
| 800 Cowries | is | — | — | — | — | 1 Tuang, |
| 2 Tuangs    |    | — | — | — | — | 1 Miam,  |
| 4 Miams     |    | — | — | — | — | 1 Tual,  |
| 4 Tuals     |    | — | — | — | — | 1 Tale,  |
| 20 Tales    |    | — | — | — | — | 1 Catty. |

10 Miams, pafs for a Tale China, and 85 Tales Siam is always reckoned as 8 Tale China.



CUSTOMS.

\*\*\*\*\*

## Customs.

The Chinese, Moors and Banyans, pay 8 per Cent. Customs.

The English, at present pay no Customs, but pay Measurage for their Ships, a Ship of 200 Tuns Burthen pays from 1150 to 1200, Rupees Measurage, and so for other Vessels in Proportion to their Burthen.

\*\*\*\*\*

## *T O N Q U I N.*

---

## Weights.

Their weights are by the Chinese Dotchin, and the King's weight, holds out full  $\frac{\text{lb.}}{132}$  to the Pecul; however it's necessary to have a true Dotchin of one's own.

\*\*\*\*\*

## Coins.

They have no other Coins than Copper Cash, accounting.

|             |   |                      |
|-------------|---|----------------------|
| 600 Great,  | } | Cash to one Maradoe. |
| and         |   |                      |
| 1000 Small. |   |                      |

E 2

The

## 20 An AUTHENTICK ACCOUNT of

The Price of Silver is always variable here, which they rise and fall according to the Quantity brought in, by which the Chinese make great Advantage.

In the Year 1739, they allowed  $28\frac{1}{2}$  Maradoes for one Barr, or 10 Tale Silver; and in 1748, but 21 Maradoes.— They run all the Mexico, and Pillar Dollars, (without making any Distinction) into Barr Silver, which ought to weigh 10 Tale each, and into which they frequently put Alloy, so that they are seldom so good as the Dollar Silver, tho' in Payments you are obliged to allow them 3 per Cent. to make it their Standard, as they call it.

|                                               | Oz. | dw | Gr.            |                 |
|-----------------------------------------------|-----|----|----------------|-----------------|
| 10 Tale weighs (with the 3 per cent included) | 12  | 6  | $2\frac{3}{4}$ | <i>Troy.</i>    |
| 1 Ditto — — ditto — —                         | —   | 1  | 4              | $14\frac{1}{4}$ |
| Which is more than the China Tale, —          | 0   | 0  | $9\frac{6}{4}$ |                 |

Their Accompts are kept, in Tales, Mace and Candarines, which are regulated according to the Price of their Maradoes and Copper Cash.

\*\*\*\*\*

## Customs.

The English, pay no Customs Inwards, but the Presents they are obliged to make to the King and his Officers, are very considerable.

Upon

Upon Goods exported, as Silk and Lacquered Ware, the English pay 5 per Cent.

\*\*\*\*\*

# *A N J E N G O.*

---

## Weights.

lib.

28 Averdupoise is equal to ——— 1 Maund

560 Ditto ——— ——— to ——— 20 Maund or 1 Candy.

\*\*\*\*\*

## Coins.

4 Budgerooks make ——— ——— 1 Pice

12 Pice ——— ——— ——— 1 Fanam

6 Gallion Fanams, or 7 old ones ——— 1 Rupee

1 Spanish Dollar full Weight is worth ——— 13 Fanams.



F

1 Anjengo

## 22 An AUTHENTICK ACCOUNT of

1 Anjengo Fanam is reckoned in the Company's Accompts to be worth — — —  $\frac{4}{5}$  of a Callicutt Fanam.

1 Ditto — — Ditto { is — —  $\frac{1}{18}$  of a Carwar Pagoda.  
 is — —  $\frac{1}{5}$  of a Surat Rupee.  
 is — — 6 Pence English Money.  
 is — —  $1\frac{1}{4}$  Persia Shakee.



### Measure.

1 Anjengo Covid is — — 18 Inches English.

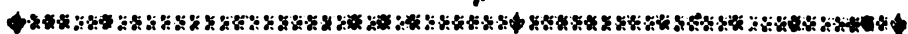


### Exchanges.

|                             |   |   |   | Fanams.         |
|-----------------------------|---|---|---|-----------------|
| Gold Rupees                 | — | — | — | 70 each.        |
| Gubbers full Weight         | — | — | — | 23              |
| Pagodas Negapatam           | — | — | — | 20              |
| Ditto Madrafs               | — | — | — | $19\frac{7}{8}$ |
| St Thomas Old               | — | — | — | 17              |
| Ditto New                   | — | — | — | $14\frac{1}{2}$ |
| Spanish Dollars full Weight | — | — | — | 13              |
| Duccatoons                  | — | — | — | $13\frac{1}{8}$ |

Silver

|               |   |   |   |                           |
|---------------|---|---|---|---------------------------|
| Silver Rupees | — | — | — | $\frac{\text{Fanams}}{6}$ |
| Current Ditto | — | — | — | 5.                        |



# COCHIN.

## Gold *and* Silver Weights.

9 $\frac{1}{2}$  Fanams is — — — 1 Chequin Weight.

93 Ditto — — — 10 Ditto or equal to 3 Secca }  
Rupees. }

72 Ditto (or 8 Pagodas) is — 1 Dollar Weight, and 100 Dollars

Weight is — — —  $\frac{\text{Oz. dw.}}{88 \quad 14}$

31 Ditto is the Weight of a Secca Rupee.

N. B. Spanish Dollars are very rarely weighed here, but generally taken by the Tale, at 2 Surat Rupees each.



## 24 An AUTHENTICK ACCOUNT of

\*\*\*\*\*

### Exchanges.

|                                         |     | Skillings.       | Fanams.          |       |
|-----------------------------------------|-----|------------------|------------------|-------|
| Duccatoons generally                    | — — | 12 $\frac{1}{2}$ | 50               |       |
| Spanish Dollars in Tale                 | — — | 10               | 40               | to 38 |
| Venetians and Gubbers (Company's Price) | 18  | 72               | 74               | 76    |
| Surat and Bombay Rupees                 | —   | 5                | 20               |       |
| Rix Dollars                             | — — | 8                | 32               |       |
| Pagodas Negapatam                       | — — | 16               | 64               |       |
| Copangs                                 | — — |                  | 48 $\frac{1}{2}$ |       |

\*\*\*\*\*

### Great Weights.

|                            |     | lb. | Oz.             |               |
|----------------------------|-----|-----|-----------------|---------------|
| 1 Maund is                 | — — | 27  | 2 $\frac{4}{5}$ | <i>Avoir.</i> |
| 20 Ditto — is — 1 Candy or | — — | 543 | 8               |               |

Gold of 9 Matt fine 10 Fanams Weight, is worth 72 Fanams  
 Ditto — 9  $\frac{1}{2}$  — — 10 Ditto — — ditto 76 and so  
 on.

And

And to find the Value of the Touch in Fanams, multiply the Matt by 10, and then by 8, which gives it in Fanams.

When Spanish Dollars are worth 40 Fanams, an English Crown is worth  $40\frac{1}{2}$ , and a French Crown 45 Fanams.

If a Surat Rupee is 20 Fanams, a Pagoda is 64 Fanams. Chequins are better than Gubbers 1 per Cent.

1 Gold Rupee new is equal to — 12 Silver Rupees.

1 Ditto ditto old is —  $\frac{1}{4}$  or  $\frac{1}{5}$  better.

4 Jarra Cannanore is the Weight of one Fanam Cochin.

\*\*\*\*\*

## *Callicutt and Tellicherry.*

---

### Weights.

|                                 |                                  |                |                         |                            |                        |
|---------------------------------|----------------------------------|----------------|-------------------------|----------------------------|------------------------|
| 100 Pool is 1 Maund Weight from | $\frac{\text{lb.}}{30}$          | Avoir. to      | $\frac{\text{lb.}}{29}$ | $\frac{\text{Oz.}}{10}$    | $\frac{\text{Dr.}}{6}$ |
| 20 Maund 1 Candy — —            | 600                              | Ditto to       | 598                     |                            |                        |
| 1 Callicutt Miscal is to        | $\frac{\text{Decimals}}{,14375}$ | or Troy weight | $\frac{\text{dw.}}{2}$  | $\frac{\text{Gr.}}{21}$    | and                    |
| is to 1 Surat Tola — —          | $,36836$                         | or 11 Vifs —   | $,78752$                | $\frac{\text{Decimals}}{}$ |                        |

G

COINS.

## Coins.

16 Tarr or Vifs is equal to — 1 Fanam called Gallee.

5 Fanams is — — — 1 Rupee.

1 Spanish Dollar full Weight is accounted  $2\frac{1}{4}$  Rupees, but  
pafs in the Baazar only from  $\frac{\text{Fanams.}}{10}$   $\frac{\text{Tarr.}}{4}$  to  $\frac{\text{Fanams.}}{10\frac{1}{2}}$ .

## Measure.

1 Covid is 18 Inches English. And the Callicutt Guz  
made use of in meafuring Timber is equal to  $28\frac{1}{10}$  <sup>Inches.</sup> English.

They likewise, fometimes at Callicutt, meafure their Timber  
by the Covid and Borrells. 12 Borrells is 1 Covid, when the  
Timber is fawed; and  $\frac{\text{Bor.}}{24}$  is 1 Covid when unfawed. The  
Price generally is 1 Callicutt Fanam per folid Covid.

C A R W A R.



# CARWAR.

---

## Weights.

lb.

26 Avoirdupoise is equal to — 1 Maund.

520 Ditto — — ditto — 20 Maunds or 1 Candy.



## Coins.

6 Pice is — 1 Settle.

48 Settles — 1 Pagoda equal to 27 Shakees Persia, and to  
 $3\frac{1}{2}$  of a Surat Rupee; and to  
 9 Shillings London; and to  
 14 Fanams, 4 Vifs and  $\frac{4}{5}$  Callicutt; and to  
 18 Ditto Anjengo.

24 Budgerooks is — 1 Fanam

36 Fanams — — 1 Pagoda Darwar.

20 Tarr is — 1 Choferee

1 Choferee is — 1 Pagoda Efiree

1 Pagoda is — 48 Jettas

} In this Coin the Coun-  
 try Merchants keep their  
 Accompts.

28 An AUTHENTICK ACCOUNT of

|                            |   |             |             |             |
|----------------------------|---|-------------|-------------|-------------|
| 100 Ounces of Silver gives | — | <u>Pag.</u> | <u>Jet.</u> |             |
|                            |   | 79          | 34          | which at 3½ |
| Rupees.                    |   |             |             |             |
| Rupees per Pagoda is       |   | 286         | 4½          |             |
|                            |   | 4           | 8           |             |

## Measure.

1 Covid is ————— 18 Inches English.

*G O A.*

# Weights.

|                 |             |            | lb. | Oz. | Dr. |               |
|-----------------|-------------|------------|-----|-----|-----|---------------|
| 1 Rattle weighs | —           | —          | 1   | 0   | 8   | <i>Avoir.</i> |
| 24 Rattle is    | —           | 1 Maund or | 24  | 12  | 0   | <i>Ditto.</i> |
| 480 Rattles —   | 20 Maund or | 1 Candy    | 495 | 0   | 0   | <i>Ditto.</i> |



**C O I N S.**

---

## WEIGHTS, COINS, &c. in EAST-INDIA. 29

---

### Coins.

80 Leader Rees are — — 1 Silver Tango  
 5 Tangos — — — — 1 Pardao or Xeraphin.

Spanish Dollars are of the same Value as at Carwar, at which Rate 100 Ounces at a Medium is — 286 Rupees.

---

## *B O M B A Y.*

---

### Great Weights.

|                                                           |                                                |                                      |
|-----------------------------------------------------------|------------------------------------------------|--------------------------------------|
| 15 Pice is — 1 Seer, and Weighs —                         | $\frac{\text{lb. Oz.}}{0 \quad 15\frac{1}{5}}$ | <i>Avoir.</i>                        |
| 600 Ditto is — 40 Seer and Weighs }<br>1 Maund or         | 38    0                                        | <i>Ditto.</i>                        |
| 12000 Ditto is 800 ditto, ditto }<br>20 Maund or 1 Candy. | 760    0                                       | <i>Ditto<math>\frac{1}{2}</math></i> |

H

Small

6 Chowe is ——— 1 Grain Bombay  
 2½ Grains ——— 1 Voll  
 40 Voll ——— 1 Tola  
 32 Tola and 13 Voll is ——— 12 Ounces Troy.



|               |                       | lb. | Oz. | Dr. |               |
|---------------|-----------------------|-----|-----|-----|---------------|
| 20 Adolens is | — 1 Para, or          | 34  | 8   | 12  | <i>Avoir.</i> |
| 500 Ditto is  | — 25 Ditto, or 1 Mora | 863 | 12  | 12  | <i>Ditto.</i> |



|                      |   |   | Rup. | Annas | Pice. |
|----------------------|---|---|------|-------|-------|
| 1 Venetian is        | — | — | 3    | 14    | 0     |
| 1 Gubber is          | — | — | 3    | 12    | 6     |
| 1 Gold Moor or Rupee | — | — | 13   | 8     | 0     |

100

|              |   |   |           |
|--------------|---|---|-----------|
| 100 Rees is  | — | — | 1 Quarter |
| 400 Ditto is | — | — | 1 Rupee.  |

They have (besides these Rees, which are made of Lead, with a Stamp on them) a small Coin made of Toothernague called Pice, 80 of which go to a Rupee.

Goods are bought and sold here by the Bombay, Candy or Maund, Surat Candy or Maund, and by the Pucca or Bengall Maund, which is 2 Surat Maunds; but in Contracts, the Candy or Maund you buy or sell with is always mentioned.



H 2

**SURAT,**

# SURAT.

## Gold and Silver Weights.

|                          |                                       |          | Oz. | dw. | Gr.                              |
|--------------------------|---------------------------------------|----------|-----|-----|----------------------------------|
| 1 Chowle is as           | — —                                   | 1 Rutta, |     |     |                                  |
| 3 Rutta is               | 1 Voll — —                            |          | 0   | 0   | $5\frac{1}{2}\frac{6}{12}$ Troy. |
| 32 Voll is               | 1 Tola — —                            |          | 0   | 7   | $18\frac{1}{11}$                 |
| $82\frac{1}{2}$ Ditto is | 2 Tolas and $18\frac{1}{2}$ Volls, or |          | 1   | 0   | 0                                |
| $9\frac{1}{4}$ Voll is   | 1 Venetian Weight — —                 |          | 0   | 2   | $5\frac{1}{4}$                   |
|                          | <u>Tola Voll.</u>                     |          |     |     |                                  |
| 100 Ditto is             | 28 29                                 |          | 11  | 14  | 22                               |
| 73 Voll is               | 1 Dollar Weight — —                   |          | 0   | 17  | 18                               |
|                          | <u>Tola, Vell.</u>                    |          |     |     |                                  |
| 100 Ditto Weight         | 228 4                                 |          | 88  | 15  | 0                                |
| 31 Tola is very near     | — —                                   |          | 12  | 0   | 0                                |
| The Seer for Coral is    | 18 Great Pice, or                     | }        | 12  | 5   | 20                               |
|                          | 27 common Pice Weight                 |          |     |     |                                  |
| Ditto for Musk,          | — —                                   |          | 11  | 0   | 0                                |
| The Surat Seer is        | 30 Pice, and Weighs                   | }        | 13  | 12  | 0                                |
|                          | at a Medium                           |          |     |     |                                  |

1 Spanish

# WEIGHTS, COINS, &c. in EAST-INDIA. 33

|                                           |   | Rup. | Annas | Pice. |
|-------------------------------------------|---|------|-------|-------|
| 1 Spanish Dollar full Weight 73 Volls, is | — | 2    | 3     | 0     |
| 100 Ditto ditto                           | — | 219  | 12    | 9     |
| 100 Ounces Mexico Dollars are             | — | 247  | 0     | 0     |



## Great Weights.

|                             |              | lb.               | Oz. | Dr. |               |
|-----------------------------|--------------|-------------------|-----|-----|---------------|
| 30 Pice is                  | — 1 Seer or  | 0                 | 14  | 7   | <i>Avoir.</i> |
| 40 Seer is                  | — 1 Maund    | 37                | 5   | 7   |               |
| 20 Maund is                 | — 1 Candy.   | 746               | 12  | 12  |               |
|                             |              | <u>Mau. Seer.</u> |     |     |               |
| 1 Maund at Agra is equal to | 1 14         | 50                | 10  | 0   |               |
|                             | of Surat, or |                   |     |     |               |

The Pucca Maund is  $\frac{11\text{b.}}{74\frac{2}{3}}$  equal to a Bengall Factory Maund.

Metals are sold at 40 Seer to the Maund, but all perishable Goods, and such as are not free from Dirt and Dust, are from 41 to 44 Seer to the Maund, as the Buyer and Seller can agree; tho' Custom now has fixed every particular Kind of Goods to a stated Number of Seer to a Maund.

## I MEASURES.



## Measures.

Are the larger and lesser Covid, Viz.

1 Covid of 36 Inches, and 1 Covid 27 Inches.

By the latter all things are fold except Broad Cloth, Velvet and Sattin, which are fold by the large Covid or English Yard.



## Coins.

Are Gold and Silver, Rupees, Annas and Pice.

|                                |   |   |                |
|--------------------------------|---|---|----------------|
| 4 Pice make                    | — | — | 1 Anna         |
| 16 Annas or 64 Pice make       | — | — | 1 Rupee Silver |
| 13½ Silver Rupees are equal to | — | — | 1 Rupee Gold.  |



*C A M B A R.*

\*\*\*\*\*

## C A M B A Y.

---

The Weights are the same as at Surat, but differ in the Allowances on all Goods bought and sold there; as for Instance.

|                     | Seer. | Pice.            |            |
|---------------------|-------|------------------|------------|
| At Cambay, Metal is | 40    | 11 $\frac{1}{2}$ | to a Maund |
| At Surat, Ditto is  | 40    | 0                | Ditto      |

And besides the above Allowance of 40 11  $\frac{1}{2}$  to the Maund; there is a Rebate of  $\frac{1}{4}$  per Cent. on the whole Weight.

\*\*\*\*\*

## Port-Charges,

On Goods sold at Cambay by the English, are as follow  
Viz.

|                          |                 |           |
|--------------------------|-----------------|-----------|
| Company's Duty.          | 2               | per Cent. |
| Consulage                | 2               |           |
| Commission to the Cheif. | 2 $\frac{1}{4}$ |           |
| Brokerage                | 2               |           |

I 2

Dustore,

Dustore, Coolley hire, &c. — — — 1

Total Charges —  $9\frac{1}{2}$  per Cent.



## *G O M B R O O N.*

---

### Gold and Silver Weights.

|                                             |   |   | dw. | Gr.              |
|---------------------------------------------|---|---|-----|------------------|
| The Muffall Weighs                          | — | — | 2   | 23 $\frac{1}{4}$ |
| $2\frac{1}{2}$ Muffalls is 1 Tola Surat, or | — | — | 7   | 18 $\frac{1}{4}$ |



### Large Weights.

Are the Maund, Tabree and the Maund Shaw.

200 Muffalls is 1 Maund Tabree, Weight  $\frac{11\text{lb.}}{6\frac{1}{4}}$ , but in the Bazaar  $\frac{11\text{lb.}}{6\frac{1}{4}}$ .

400 Muffalls 1 Maund Shaw  $\frac{11\text{lb.}}{13\frac{1}{4}}$

The

## WEIGHTS, COINS, &c. in EAST-INDIA. 37

The Maund Copara for Trust is  $\frac{11\text{lb.}}{7\frac{1}{4}}$  The Maund Baazar  
 $\frac{11\text{lb.}}{7\frac{1}{4}}$  to  $\frac{11\text{lb.}}{7\frac{1}{2}}$ .



### Coins.

|                                           |   |   |                       |
|-------------------------------------------|---|---|-----------------------|
| 10 Cozbaugues or Pice (a Copper Coin) are | — | — | 1 Shatree             |
| Abassees are                              | — | — | 4 Ditto each.         |
| Venetians are                             | — | — | 28 Ditto each.        |
| 1 Tomand (or 50 Abassees) is              | — | — | 200 Shatrees.         |
| Rupees                                    | — | — | $6\frac{1}{4}$ to 9   |
| Dollars                                   | — | — | $13\frac{1}{2}$ to 20 |
| Larees (Ispahan Money)                    | — | — | $2\frac{1}{2}$        |
| Mamoodas                                  | — | — | 2                     |
| 2 Mamoodas are                            | — | — | 1 Abassee             |
| 4 Ditto                                   | — | — | 1 Rupee Surat.        |



### Long Measure.

93 Guz is equal to — — 100 Yards English.

K

All

## 38 An AUTHENTICK ACCOUNT of

All Bargains in Gombroon, are made for Shatrees (an imaginary Coin) and the Returns for Goods are generally made in Abesfees, allowing 7 or 8 per Cent. for the Difference in Exchange.

\*\*\*\*\*

# B U S O R A H.

## Weights.

|                                                      | lb. | Oz. |                 |
|------------------------------------------------------|-----|-----|-----------------|
| Are Vakias - 1 of which weighs nearest               | 0   | 19  | } <i>Avoir.</i> |
| 24 Vakias are 1 Maund Atteree — or                   | 28  | 8   |                 |
| 76 Ditto - 1 Maund Seefe — or                        | 90  | 4   |                 |
| 117 Ditto — 1 Cutra (by which Indigo<br>is fold,) or | 138 | 15  |                 |

Allowances to be made on the following Goods (as Customary,) Viz.

|                        |   |                      |
|------------------------|---|----------------------|
| On the Sale of Ginger, | } | 26 Vakias per Maund. |
| Pepper,                |   |                      |
| Coffee,                |   |                      |

Cardemums,

On the Sale of Cardemums, }  
                   Sugar Candy, } 25 Vakias per Maund.  
                   Benjamin, }

                  Sugar and }  
                   Metals. } 24 Vakias per Maund.



## Coins.

|               |   |   |                    |
|---------------|---|---|--------------------|
| 10 Teloose is | — |   | 1 Danim,           |
| 12 Danims     | — | — | 1 Mamooda          |
| 4½ Mamoodas   | — | — | 1 Cruz or Dollar,  |
| 75 Mamoodas   | — | — | 1 Tomand Zelottee, |
| 100 Mamoodas  | — |   | 1 Tomand Howefa.   |



## Port-Charges, or Customs, Viz.

Mahometans Pay, — 2½ per Cent.  
 All other Nations 3 per Cent. to the Government.  
                           And 4½ per Cent. to the Company.

\*\*\*\*\*

# MUSCAT.

---

## Weights.

The Custom-House Maund is    -    -     $\frac{11\text{lb.}}{8} \frac{\text{Oz.}}{12}$  *Avoirdupoise.*

\*\*\*\*\*

## Coins.

The current Money is Budgerooks and Mamoodas.

30 Budgerooks is 1 Silver Mamooda, value about Eight-Pence Sterling.

$3\frac{1}{2}$  Mamoodas is — 1 Surat Rupee,

$7\frac{1}{2}$  Ditto is — — 1 Spanish Dollar.

\*\*\*\*\*

## Customs.

Mahometans pay — —  $2\frac{1}{2}$  per Cent.

And all other Nations pay — — 5 per Cent.

M O C H A.



# M O C H A.

---

## Weights.

Amber, Coral, Musk, &c. are weighed by Coffola's &c.

|                  |   |         |      | Oz. | dw. | Gr.            |
|------------------|---|---------|------|-----|-----|----------------|
| 1 Coffola weighs | — | —       | Troy | 0   | 2   | $0\frac{1}{4}$ |
| 10 Coffolas is   | — | 1 Vakia | —    | 1   | 0   | 9              |
| 100 Vakias       | — | —       | —    | 101 | 17  | 12             |

According to which Calculation the Mocha Frazil is  $\frac{11\text{lb.}}{28}$  Avoirdupoise nearest, and has been generally so computed by the English Gentlemen, formerly trading here; but it is an Error, and must proceed from their omitting to try the Custom-House Weights here, with English Weights; those being different from the above as Avoirdupoise from Troy, tho' not in the same Proportion.

In the Year 1744 Experiment was made at the Custom-House, by weighing 100 Peices of Toothernague in their Scales, and in the Company's English Scales; the Medium of

L

which

## 42    An AUTHENTICK ACCOUNT of

which gave the true Frazil  $\frac{\text{lb.}}{29\frac{1}{2}}$  which is about 6 per Cent. more than the above Weights will give. The Weights here are computed from 1 Coffola to a Vakia, and so on to a Bahar, without Distintion between Gros Goods and fine, except in the Custom-House, which difference it seems is occasioned by an Allowance given on all Gros Goods at  $\frac{\text{lb.}}{29\frac{1}{2}}$  to the Frazil, which by long Experience was found to be true.

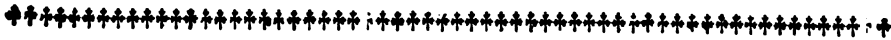
\*\*\*\*\*

### Great Weights.

|                                          |   |           | lb. | Oz. | Dr. |               |
|------------------------------------------|---|-----------|-----|-----|-----|---------------|
| 1 Vakia is                               | — | —         | 0   | 1   | 2   | <i>Avoir.</i> |
| 15 Vakias is                             | — | 1 Rattle, | 1   | 1   | 12  |               |
| $2\frac{1}{2}$ Rattles (or 40 Vakias) is |   | 1 Maund,  | 2   | 15  | 7   |               |
| 10 Maund is                              | — | 1 Frazil, | 29  | 10  | 10  |               |
| 15 Frazil is                             | — | 1 Bahar,  | 445 | 0   | 0   |               |



Great



# Great Weights Beetlefukei.

15 Vakia is      ———      ———      1 Rattle

29 Vakia is —  $1\frac{1}{5}$  Rattle or — 1 Maund.

|               |               |  |     |     |     |               |
|---------------|---------------|--|-----|-----|-----|---------------|
|               |               |  | lb. | Oz. | Dr. |               |
| 10 Maund is — | 1 Frazil or — |  | 20  | 6   | 4   | <i>Avoir.</i> |

40 Frazil is — 1 Bahar or — 816 4 0 Ditto.

*N. B.* The beforementioned Weights are taken from the Medium of Two Frazils, made and proved by the English and French Chiefs ; residing at Mocha the difference between them being about 5 Ounces according to the Arab's, calculation: and were their Weights true,

|                     |   |   | lb. | Oz. | Dr. |
|---------------------|---|---|-----|-----|-----|
| The Frazil would be | — | — | 21  | 7   | 7   |
| The Bahar           | — | — | 859 | 11  | 0   |

**Which is 5 per Cent, more than the beforementioned.**



**L 2**

**COINS.**

## Coins.

The only Coined Money in this Country, is Camma-thees; a small Coin of low Silver stamp with the King's Names and Titles, they are the current Money of the Baazar and are taken at 10 for a Dollar, arising and falling according to the want of them, which is occasioned by the Banian Shroffs, frequently buying them up, and the King sometimes calling them in, and ordering new ones to be made, which always bear an Advance where some Sort of old ones are left current.

The Money wherein all Accompts are kept here is imaginary Viz.



## Dollars and Caveers.

80 Caveers make ——— 1 Mocha Dollar.

12 1/4 Mocha Dollars are always esteemed 100 Spanish Dollars.



Silver

*Silver Coins, passable in Mocha.*

|                 |       |                        | Oz. | dw. | Gr. |
|-----------------|-------|------------------------|-----|-----|-----|
| Spanish Dollars | 100   | of which Weigh Troy, - | 88  | 12  | 0   |
| Cruizadoes      | — 100 | — — —                  | 88  | 12  | 0   |
| English Crowns  | 100   | — — —                  | 88  | 12  | 0   |
| French Ditto    | - 100 | — — —                  | 88  | 12  | 0   |
| German Ditto    | 100   | — — —                  | 93  | 13  | 18  |

*Gold Coins, are.*

|                                                       |       |       | Doll. | Caveer. |
|-------------------------------------------------------|-------|-------|-------|---------|
| Venetians exchanged into Silver, produce each         |       |       | 2     | 25      |
| Touch by the Shroffs $13\frac{1}{4}$ Verfau.          |       |       |       |         |
| Gubbers                                               | — — — | — — — | 2     | 20      |
| Gingerlys                                             | — — — | — — — | 1     | 55      |
| Cerrifees                                             | — — — | — — — | 1     | 50      |
| Bars of Gold from Muffova Touch from 11 to 12 Verfau. |       |       |       |         |
| Ditto ditto from Mosambique — 9 to 10                 |       |       |       |         |



M

TOUCH.

*Touch of Silver.*

The finest Silver used in this Country is of — 18 Versau.

|                |       |       |                  |
|----------------|-------|-------|------------------|
| Mexico Dollars | _____ | _____ | 17               |
| German Crowns  | _____ | _____ | 15               |
| Pillar Dollars | _____ | _____ | 17 $\frac{1}{4}$ |

N. B. In the Year 1738 it was proved that 100 Spanish Dollars by the Mocha weights gave  $\frac{88\frac{6}{8}}{88}$  or 88  $\frac{13}{14\frac{1}{10}}$  Troy which makes the above Computation short.

When Cammashees are to be bought reasonable, 'tis worth while to carry them to the Coast or Madras. In 1738 Cammashees were bought at 12 $\frac{1}{4}$  Coffolas per Mocha Dollar.

Upon Essay 4 Mocha Dollars of Cammashees at  $\frac{12\frac{1}{4}}{2}$  per Dollar is 51 Coffolas, and produces pure Silver  $\frac{2}{575833}$   
 $\frac{\text{Oz. dw. Gr.}}{\text{Oz. dw. Gr.}}$   
or 2 15 4 Troy; so that 100 Spanish Dollars, or 121 $\frac{1}{2}$   
Mocha Dollars 12 $\frac{1}{4}$  per Dollar, gives  $\frac{1549}{83}$  Poise  
 $\frac{\text{Oz. Decimals.}}{\text{Oz. Decimals.}}$   
157 $\frac{8}{57}$  and produces pure Silver 83  $\frac{78427}{57}$

N. B.

## WEIGHTS, COINS, &c. in EAST-INDIA. 47

N. B. The Standard of Cammashees is  $\frac{\text{dw.}}{131}$  pure Silver in  $\frac{\text{lb.}}{1}$  Troy.

100 Spanish Dollars weigh Troy  $\frac{\text{Oz}}{88\frac{6}{8}}$  and Coffolas 869  
Decimals.  
 ,6875.

Mem<sup>m</sup>. At  $12\frac{1}{2}$  Coffolas per Dollar, 100 Spanish Dollars which  
 by Mocha weights gives  $\frac{\text{Oz.}}{88\frac{6}{8}}$ , is Secca Weight 237 at 240  
 Secca weights per 209 Secca Rúpees, is Secca Rúpees 206  
Decimals. Decimals.  
 ,3875 at  $12\frac{1}{2}$  Batta, is current Rúpees 232  $\frac{1}{186}$  which make  
 the Mocha Dollar 1 ,910 current Rúpee.

## Measures.

Rice and other Grain is sold by the Kalla and Tomand,  
 40 Kalla is 1 Tomand and weighs about  $\frac{\text{lb.}}{165}$ ; but the Gover-  
 nours Custom (of half a Kalla per Tomand upon all Grain  
 sold) being deducted, and the intolerable Cheat in the mea-  
 suring, together with the Pilferage from the Waterside home

## 48 An AUTHENTICK ACCOUNT of

being allowed for, the Bengall Maund will not come out above 19 Kalla; whereas 1 Bagg or Bengall Maund ought to hold out more than a Tomand: but for the foregoing Reasons, Two Bengall Maunds seldom come out above 39 Kallas, and rarely that.

Oyl is sold by the Cudda, Noosfia and Vakia,

16 Vakia is ——— 1 Noosfia

4 Noosfias or Measures ——— 1 Cuddy poise about  $\frac{11\text{lb.}}{18}$ .

Of late Years the Price has been from 3 to 5 Noosfias per Mocha Dollar, and computing the Dupper of 2 Bengall Factory Maunds to hold out about 67 or 68 Measures each, at which Rate the Noosfia or Measure weighs about  $2\frac{1}{4}$ .

Cotton is sold by the Hearf, and 9 Hearfs is  $11\frac{1}{2}$  Mocha Dollars. It generally sells from 30 to 40 Hearfs per Bahar.



The



## Long Measure.

The Guz is ————— 25 Inches English.

The Covid is ——— — 19 Ditto ditto.



## Customs.

**The English pay the Government 3 per Cent, on their Sales.**

Brokerage —————  $1\frac{1}{2}$  per Cent.

Shroffage — — 1 per Thoufand.

The Moors pay the Government Customs 7 per Cent, but by the Impositions of the Government, they generally come out to 15 per Cent.



N

**BATAVIA.**

\*\*\*\*\*+\*\*\*\*\*

# *BATAVIA.*

---

## Coins.

|                                          |       |                          |
|------------------------------------------|-------|--------------------------|
| 8 Doits make                             | _____ | 1 Cash or Doublekye.     |
| 3 Cash                                   | _____ | 1 Satallie.              |
| 6 Cash (or 2 Satallies)                  | _____ | 1 Sooka.                 |
| 9 Cash                                   | _____ | 1 Sooka Satallie.        |
| 15 Ditto                                 | _____ | 1 Rupee.                 |
| 24 Ditto (or 48 Stivers)                 | _____ | 1 Pardaó, or Rix-Dollar. |
| 39 Ditto (or 13 Satallies, or Skillings) | _____ | 1 Duccatoon.             |

*N. B.* Accompts are kept in Rix-Dollars and Stivers, tho' there is no such Coin as a Rix-Dollar in Batavia.

Mexico Dollars were sold in the Year 1734 and 1735, at 132 Rix-Dollars for 100 Spanish Dollars; but of late Years those who bought Cinnamon, Iron, or any other Goods from the Company, were obliged to pay the Spanish Dollars at 125 per Cent. Viz. 100 Spanish Dollars for 125 Rix-Dollars.

*MANILLA.*



# *MANILLA.*

---

## Weights.

16 Ounces make a Pound, by which all sorts of Goods weighed, but it is to be observed that of these Ounces, are.

10 Ounces make a Tale of Gold Weight,

11 Ditto make a Tale of Silk and other Things.

9 Ditto make a Punto of Gold and Silver Thread.

22 Ditto make a Catty.

1 Ditto is the Weight of a Mexico Dollar.

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| One Manilla Pound makes Avoirdupoise | $\frac{\text{lb. Decimals.}}{1 \quad ,03.}$ |
|--------------------------------------|---------------------------------------------|

8 Ounces is a Mark of Silver.



N 2

*CHINA*



# *CHINA.*

---

## CANTON.

---

### Coins.

Pettys of Brafs or Copper with a square Hole in the Middle, are the only coined or stampd Peices in China, and 10 of them are generally esteemed a Mandarine, but they rise and fall in their Value, as they are more or less in Demand; no Merchants receive them, they being only for small Payments in the Baazar, or to pay Cooleys and Labourers.

All greater Payments are therefore made by the Scale, and by Europeans usually in the following Silver.

|                                                         |   |   |               |
|---------------------------------------------------------|---|---|---------------|
| English Standard tho' but 92½ Touch will generally pass |   |   |               |
| for Goods at                                            | — | — | <u>Touch.</u> |
|                                                         |   |   | 94            |
| French Crowns for Gold tho' but 94                      |   | — | 95            |
| Mexico Dollars                                          | — | — | 94            |
| Pillar Ditto                                            | — | — | 95            |

Duccatoons

|              |   |   |   | Touch. |
|--------------|---|---|---|--------|
| Duccatoons   | — | — | — | 96     |
| Surat Rupees | — | — | — | 100    |

N. B. The Chinese divide the Fineness of their Gold and Silver into 100 equal Parts, which they call Touches; the Number of which implies the Proportion there is of pure Gold and Silver to 100, the rest being Alloy; and 100 Touch is pure Gold or Silver, which they call Sifce, and is without Alloy; no Coin will be taken in Purchase of Gold but at it's true Touch.

Of the vast Quantities of European Coins which the Chinese receive, they preserve none entire, but run all down in Iron Moulds, forming a Shapeless Lump from 5 Mace to 10 Tale Weight; every Man melts his own Money at the Goldsmiths; what is applied to the Payment of Tance and Emperor's Duties must be Sifce or 100 Touch, no other being received into the Emperor's Treasury.

For other Uses they make different Touches, as may serve their Purpose in Trade in the different Provinces of the Empire.

## Fine Weights.

10 Cash is — 1 Candarine,

10 Cadarines — 1 Mace,

| 10 Mace — — 1 Tale, hitherto reckoned | <table border="0"> <tr> <th>Oz.</th> <th>dw.</th> <th>Gr.</th> </tr> <tr> <td>1</td> <td>4</td> <td>5</td> </tr> </table> | Oz. | dw. | Gr. | 1 | 4 | 5 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|---|---|---|
| Oz.                                   | dw.                                                                                                                       | Gr. |     |     |   |   |   |
| 1                                     | 4                                                                                                                         | 5   |     |     |   |   |   |

as per Lockyer, but this is too much.

These are the Weights for Silver and Gold, and may be called the Names of their Money, for under these Denominations are their Accompts kept.

## Gros Weights.

16 Tale is — 1 Catty,

100 Cattys — 1 Pecul or  $\frac{11\text{lb.}}{132\frac{2}{3}}$  *Avoirdupoise*.

## Measure.

| 10 Punt is — 1 Covid in piece Goods equal to | <table border="0"> <tr> <th>Inches.</th> </tr> <tr> <td>14<math>\frac{1}{2}</math>.</td> </tr> </table> | Inches. | 14 $\frac{1}{2}$ . |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------|---------|--------------------|
| Inches.                                      |                                                                                                         |         |                    |
| 14 $\frac{1}{2}$ .                           |                                                                                                         |         |                    |

Gold

Gold in great Quantities is Yearly carried out of this Port, yet the Exportation of it is absolutely prohibited by the Government; but for certain Reasons greatly connived at. On this Account Europeans generally run privately most of their Silver; not to avoid any Duties payable thereon, but to conceal the Amount of their Imports, that thereby no Conjectures may be made of the Gold they Export.

This valuable Commodity is not altogether the Produce of China, but is brought in great Quantities by their Junks from Cochin China, in Return for the Goods sent thither.

## Names *and* Touches of Gold.

|              |   |       |   |   | <u>Touch.</u> |
|--------------|---|-------|---|---|---------------|
| Chaya        | — | Shoes | — | — | 93            |
| Chroja       | — |       | — | — | 93            |
| Chugja       | — |       | — | — | 93            |
| Shinjepou    | — |       | — | — | 94            |
| Tinjee       | — |       | — | — | 93            |
| Poojee       | — | Barrs | — | — | 96            |
| Yangpohooes  |   |       | — | — | 96            |
| Cochin China | — |       | — | — | 96            |

## Names *and* Touches of Gold.

Samoy — Shoes — no Chop — various Touches..

|                      |   |   |   | Touch. |
|----------------------|---|---|---|--------|
| Pekin — Barrs narrow | — | — | — | 99     |
| Shaja — small Shoes  | — | — | — | 99     |

N. B. At Chinchew they falsify Yangpohoes Gold.

## Rule to bring different Touches of Gold into one.

Multiply the Fineness of each Sort by it's particular Weight, and adding their several Products together, make a Dividend of them; then adding the Weights together, make that the Divisor, and the Quotient will be the Fineness, or Touch.

|           | Touch. |      |
|-----------|--------|------|
| 10 Tale — | 94 — — | 940  |
| 10 — —    | 92 — — | 920  |
| <hr/>     |        |      |
| 20        |        | 20   |
|           |        | 1860 |
|           |        | 180  |
|           |        | 60   |
|           |        | 60   |
|           |        | 93   |

93 Touch of the whole.



Port



## Port-Charges, *at* Canton.

All Ships imported are entered in the Emperor's Books under the following Denominations, in Proportion to which they pay a Duty of Measurage, Viz.

|              |                 |       | <u>Covids</u> |               | <u>Covids</u> |
|--------------|-----------------|-------|---------------|---------------|---------------|
| First Rates, | such as measure | above | 74            | in length and | 23            |
| Second Ditto | — —             | above | 71            | — —           | and 21        |
| Third Ditto  | — —             | under | 71            | — —           | and 21        |

A Ship is not properly imported, 'till she is measured by the Hoppo or his Officers, which Measurement is taken from the Center of the mizen-Mast to the Center of the fore-Mast for the Length, and clofe abaft the main-Mast from Side to Side for the Breadth; they multiply the Length by the Breadth, and the Product divided by 10 gives the Ship's Measurage.



**P**

**Example.**

# EXAMPLE.

Suppose a Ship measures  $\begin{array}{r} \text{Covids} \\ 75 \end{array}$   $\begin{array}{r} \text{Punts} \\ 9 \end{array}$  in Length  
 $\begin{array}{r} 23 \\ 5 \end{array}$  in Breadth, multiplyed together, produce the Measurage  $178 \begin{array}{r} 3 \\ 65 \end{array}$ , which; at the Rate of

| Tale | Mace | Can. | Cash. |                                               | Tale | Mace | Can. | Ca. |
|------|------|------|-------|-----------------------------------------------|------|------|------|-----|
| 7    | 7    | 7    | 7     | per Covid, amounts to                         | —    | 1387 | 2.   | 8 3 |
|      |      |      |       | Deduct 20 per Cent. which the Emperor allows. |      | 277  | 4    | 5 6 |
|      |      |      |       | The Emperor's Nett Duty                       | —    | 1109 | 8    | 2 7 |
|      |      |      |       | Add 7 per Cent to make it Sifce               | —    | 77   | 6    | 8 8 |
|      |      |      |       |                                               |      | 1187 | 5    | 1 5 |

|                                                                                                        |  |  |  |  |      |   |   |    |
|--------------------------------------------------------------------------------------------------------|--|--|--|--|------|---|---|----|
| To the Cophang, or Receiver of the Customs on the first Nett Duty, to be paid in Sifce at 10 per Cent. |  |  |  |  | 118  | 7 | 5 | 2  |
|                                                                                                        |  |  |  |  | 1306 | 2 | 6 | 7. |

|                                                                                        |  |  |  |  |      |   |   |   |
|----------------------------------------------------------------------------------------|--|--|--|--|------|---|---|---|
| To the Suanfang, or Collectors, &c. &c. 2 per Cent. to be paid in current Silver of 94 |  |  |  |  | 22   | 1 | 9 | 6 |
|                                                                                        |  |  |  |  | 1328 | 4 | 6 | 3 |

|                                                                                                                                                                                     |  |  |  |  |      |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|------|---|---|---|
| Impositions at sundry Times since the Year 1704, under the Denomination of Presents to the great Mandarines, which are now claimed to be as much their Due as the Ship's Measurage. |  |  |  |  | 1950 | 0 | 0 | 0 |
|                                                                                                                                                                                     |  |  |  |  | 3278 | 4 | 6 | 3 |

# WEIGHTS, COINS, &c. in EAST-INDIA. 59

Tale Mace Can. Cash.

|                                                                                                                                                                    |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <p>N. B. First Rates, measuring<br/> <u>Covids</u><br/> 74 and 23, tho' ever so much<br/> larger, pay but</p>                                                      | <p>7 7 7 7 pr Covid.</p>  |
| <p>Second Rates, from <u>Covids.</u> 71 to 74<br/> <u>Covids.</u><br/> long, and 22 to 23 broad, pay</p>                                                           | <p>7 1 4 2 per Ditto.</p> |
| <p>Third Rates, from <u>Covids.</u> 65 to 74 long,<br/> <u>Covids.</u><br/> and 20 to 22, tho' ever so much<br/> <u>Covids.</u><br/> less than 65 and 20, pay.</p> | <p>5 0 0 0 per Ditto.</p> |



# 60 An AUTHENTICK ACCOUNT of



How the Emperor's Customs and Hoppo's Duties are accounted for on Goods Imported.

|                                                                                                                     | Covids. | Punts | Tale   | Mace | Can. | Cash |
|---------------------------------------------------------------------------------------------------------------------|---------|-------|--------|------|------|------|
| Broad Cloth 160 half Peices                                                                                         | 8608    | 7½    |        |      |      |      |
| at 5 Candarines per Cavid for the Em-<br>peror's Customs                                                            |         |       | 430    | 4    | 3    | 7½   |
| Hoppo's Duty of 24 per Cent on the Customs.                                                                         |         |       | 103    | 3    | 0    | 4½   |
|                                                                                                                     |         |       | 533    | 7    | 4    | 2    |
| The Emperor and Hoppo are to be<br>paid in Sisse Silver, which is accounted<br>7 per Cent. on the Customs and Duty. |         |       | 37     | 3    | 6    | 1    |
| The Emperor's Escrivans 2 per Cent.                                                                                 |         |       |        |      |      |      |
| Tale Mace Can. Cash.                                                                                                |         |       | 8      | 6    | 0    | 9    |
| on 430 4 3 7½ the Customs,                                                                                          |         |       |        |      |      |      |
| The Peculage Duty accounting 100                                                                                    |         |       |        |      |      |      |
| Covids to a Pecul, produces                                                                                         | 86      | 9     |        |      |      |      |
| which at 8 6 per Pecul is                                                                                           |         |       | 7      | 4    | 3    | 5    |
|                                                                                                                     |         |       | Tales. | 587  | 1    | 4 7  |

How

# WEIGHTS, COINS, &c. in EAST-INDIA. 61



How the Emperor's Customs and Hoppo's Duties are accounted for on Goods Imported.

|                                      | Peices      | Covids.      | Pnnts. |               | Tale | Mace | Can. | Cash. |
|--------------------------------------|-------------|--------------|--------|---------------|------|------|------|-------|
| Long Ells —                          | 1008        | 64830        | 6½ at  |               |      |      |      |       |
| <u>Cand.</u>                         |             |              |        |               |      |      |      |       |
| 15 per Covid. —                      | —           | —            | —      | }             | 972  | 4    | 5    | 9     |
| 24 per Cent. —                       | —           | —            | —      |               | 223  | 3    | 9    | 0     |
|                                      |             |              |        |               | 1205 | 8    | 4    | 9     |
| 7 per Cent. to make it Sifce —       | —           | —            | —      |               | 84   | 4    | 0    | 9     |
|                                      |             |              |        |               | 1290 | 2    | 5    | 8     |
| 2 per Cent. on 972 4 5 9             |             |              |        | —             | 19   | 4    | 4    | 9     |
|                                      |             |              |        |               |      |      |      |       |
| Peculage at 200 Covids per Pecul, is |             |              |        | <u>Pecul.</u> |      |      |      |       |
| <u>Cov.</u>                          | <u>Can.</u> | <u>Cash.</u> |        |               |      |      |      |       |
| 15 at 8 6 per Pecul. —               | —           | —            | —      | }             | 27   | 8    | 7    | 7     |
|                                      |             |              |        |               |      |      |      |       |
| Tales.                               |             |              |        |               | 1337 | 5    | 8    | 4     |



Q

How

## 62 An AUTHENTICK ACCOUNT of



How the Emperor's Customs and Hoppo's Duties are accounted for on Goods Imported.

|                                                                   | <u>Peices.</u> | <u>Covids.</u> | <u>Tale</u> | <u>Mace</u> | <u>Can.</u> | <u>Cash.</u> |
|-------------------------------------------------------------------|----------------|----------------|-------------|-------------|-------------|--------------|
| Camblets, 25 containing 2040 at }<br>1 Mace per Covid. — — — }    |                |                | 204         | 0           | 0           | 0            |
| 24 per Cent. — — —                                                |                |                | 48          | 9           | 6           | 0            |
|                                                                   |                |                | 252         | 9           | 6           | 0            |
| 7 per Cent, for Sifce — — —                                       |                |                | 17          | 7           | 0           | 7            |
| 2 per Cent, on 104 Tales. — — —                                   |                |                | 4           | 0           | 8           | 0            |
| <hr/>                                                             |                |                |             |             |             |              |
| Peculage at 100 Covids per Pecul, }<br>Pec. Cov. Can. Ca. — — — } |                |                | 1           | 7           | 5           | 4            |
| 20 40, at 8 6 per Pecul. — — — }                                  |                |                |             |             |             |              |
| <hr/>                                                             |                |                |             |             |             |              |
| Tales.                                                            | 276            | 5              | 0           | 1           |             |              |

N. B. Comparing the foregoing Examples with fundry Accounts of Duties paid several Years past, it appears, 2 per Cent. hath been always charged on the Emperor's Customs for a Difference of Dotchin, which has been a Roguery of the Linguist's for there never was any such Duty.

Emperor's

# WEIGHTS, COINS, &c. in EAST-INDIA. 63

\*\*\*\*\*

Emperor's Customs and Hoppo's Duties accounted for on Goods Exported.

Wrought Silks, and all other Commodities on which the Emperor's Customs is accounted for at the Hoppo's Dotchin, have a Discount of 10 per Cent. allowed to the Merchant, so that

|                                           |                             |          |                             |   |                          |   |     |
|-------------------------------------------|-----------------------------|----------|-----------------------------|---|--------------------------|---|-----|
| Taffaties - - -                           | <u>Peices.</u><br>100       | weighing | <u>Pec. Catty.</u><br>1 66½ |   |                          |   |     |
| 10 per Cent. deduct as above              |                             |          | 16½                         |   |                          |   |     |
|                                           |                             |          |                             |   | <u>Tale Mace Can Ca.</u> |   |     |
|                                           | Remain                      |          | 1 50 at                     | } | 3                        | 3 | 0 0 |
| <u>Tale. Mace</u><br>2 2 per Pecul,       | —                           |          | —                           |   |                          |   |     |
| Hoppo's Duty, 24 per Cent. on the Customs |                             |          | —                           |   | 7                        | 9 | 2   |
|                                           |                             |          |                             |   | 4                        | 0 | 9 2 |
| 7 per Cent. to make it Sifce              |                             |          | —                           |   | 2                        | 8 | 6   |
|                                           |                             |          |                             |   | 4                        | 3 | 7 8 |
| The Emperor's Escrivans 2 per Cent. on    |                             |          |                             | } | 0                        | 0 | 6 6 |
| the Customs                               | <u>Tale Mace.</u><br>3 3    | —        | —                           |   |                          |   |     |
|                                           | <u>Pecul Catty.</u><br>1 50 | at       | <u>Can. Cash.</u><br>8 6    |   | 0                        | 1 | 2 9 |
| Peculage on                               |                             |          | per Pecul                   |   |                          |   |     |

Q 2

Emperor's

# 64 An AUTHENTICK ACCOUNT of

\*\*\*\*\*

Emperor's Customs and Hoppo's Duties accounted for on Goods Exported.

|                                                                                                                                                                                                                                                            | Tale | Mace | Can. | Ca. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|-----|
| All Silks, except Handkercheifs, Paunches, Pelongs and Geelongs, pay 1 Candarine per Peice to the Hoppo's Officers, in Case they do not search for Yellows and Crimsons, which are the Emperor's Colours and therefore prohibited, so that 100 Peices pay. | 1    | 0    | 0    | 0   |
|                                                                                                                                                                                                                                                            | 5    | 5    | 7    | 3   |

|                                                                                                                                                                  |    |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|---|---|
| The old Impositions, so called, because it was imposed in the Year 1708, is 6 per Cent. on the Valuation in the Emperor's Book, wherein Taffaties being rated at | 19 | 8 | 0 | 0 |
| <u>Tale Mace.</u>                                                                                                                                                |    |   |   |   |
| 3 3 per Peice, amounts to — —                                                                                                                                    |    |   |   |   |

|                                                                                                        |    |   |   |   |
|--------------------------------------------------------------------------------------------------------|----|---|---|---|
| The New Imposition is 10 per Cent. upon the said rated Value, and was first paid in the Year 1727. — — | 33 | 0 | 0 | 0 |
|                                                                                                        |    |   |   |   |
| Tales.                                                                                                 | 58 | 3 | 7 | 3 |

Emperor's

# WEIGHTS, COINS, &c. in EAST-INDIA. 65

\*\*\*\*\*

## Emperor's Customs &c. on Exports.

|                                              |                    |           |                  |    |   |                          |           |    |                 |
|----------------------------------------------|--------------------|-----------|------------------|----|---|--------------------------|-----------|----|-----------------|
| Raw Silk weighing                            | <u>Pec. Catty.</u> |           |                  |    |   |                          |           |    |                 |
|                                              | I                  | II        |                  |    |   |                          |           |    |                 |
| deduct 10 per Cent.                          | <u>0</u>           | <u>II</u> |                  |    |   |                          |           |    |                 |
|                                              |                    |           | <u>Ta. Ma.</u>   |    |   | <u>Tale Ma. Can. Ca.</u> |           |    |                 |
| Remains                                      | —                  | I         | 0                | at | 5 | 4                        | per Pecul | 5  | 4 0 0           |
| 24 per Cent.                                 | —                  | —         | —                | —  | — | —                        | —         | 1  | 2 9 6           |
|                                              |                    |           |                  |    |   |                          |           |    | <u>6 6 9 6</u>  |
| 7 per Cent.                                  | —                  | —         | —                | —  | — | —                        | —         | 0  | 4 6 9           |
|                                              |                    |           | <u>Tale Mace</u> |    |   |                          |           |    |                 |
| 2 per Cent. on                               | 5                  | 4         | —                | —  | — | —                        | —         | 0  | 1 0 8           |
| Peculage                                     | —                  | —         | —                | —  | — | —                        | —         | 0  | 0 8 6           |
|                                              |                    |           |                  |    |   |                          |           |    | <u>7 3 5 9</u>  |
| Old Imposition 6 per Cent. on the Va-        |                    |           |                  |    |   |                          |           |    |                 |
| tion, which at <u>Tale.</u> 100 per Pecul is |                    |           |                  |    |   |                          |           | 6  | 0 0 0           |
| New Ditto 10 per Cent.                       |                    |           |                  |    |   |                          |           | 10 | 0 0 0           |
|                                              |                    |           |                  |    |   |                          |           |    | <u>23 3 5 9</u> |
|                                              |                    |           |                  |    |   |                          |           |    |                 |

R

Emperor's



# Emperor's Customs &c. on Exports.

|                                                 |                     |                   |    |                    |     |                          |                   |  |  |
|-------------------------------------------------|---------------------|-------------------|----|--------------------|-----|--------------------------|-------------------|--|--|
|                                                 | <u>Pecul Catty.</u> |                   |    |                    |     |                          |                   |  |  |
| Quicksilver                                     | —                   | I                 | II |                    |     |                          |                   |  |  |
| deduct 10 per Cent                              |                     | 0                 | II |                    |     |                          |                   |  |  |
|                                                 |                     | <u>          </u> |    |                    |     |                          |                   |  |  |
|                                                 |                     |                   |    | <u>Tale. Mace.</u> |     | <u>Tale Ma. Can. Ca.</u> |                   |  |  |
| Remains                                         | —                   | I                 | 0  | at                 | I 2 | per Pecul                | I 2 0 0           |  |  |
| 24 per Cent.                                    |                     |                   |    |                    |     |                          | 0 2 8 8           |  |  |
|                                                 |                     |                   |    |                    |     |                          | <u>          </u> |  |  |
|                                                 |                     |                   |    |                    |     |                          | I 4 8 8           |  |  |
| 7 per Cent.                                     |                     |                   |    |                    |     |                          | 0 I 0 4           |  |  |
|                                                 |                     |                   |    |                    |     |                          | <u>          </u> |  |  |
|                                                 |                     |                   |    | <u>Tale Mace.</u>  |     |                          |                   |  |  |
| 2 per Cent. on                                  |                     | I 2               |    |                    |     |                          | 0 0 2 8           |  |  |
| Peculage                                        |                     |                   |    |                    |     |                          | 0 0 8 6           |  |  |
|                                                 |                     |                   |    |                    |     |                          | <u>          </u> |  |  |
|                                                 |                     |                   |    |                    |     |                          | I 7 0 6           |  |  |
| Old Imposition, 6 per Cent. on the Va- }        |                     |                   |    |                    |     |                          |                   |  |  |
| uation which at <u>Tale.</u> 35 per Pecul — — } |                     |                   |    |                    |     |                          | 2 I 0 0           |  |  |
| New Ditto 10 per Cent. — — —                    |                     |                   |    |                    |     |                          | 3 5 0 0           |  |  |
|                                                 |                     |                   |    |                    |     |                          | <u>          </u> |  |  |
|                                                 |                     |                   |    |                    |     | Tales.                   | 7 3 0 6           |  |  |
|                                                 |                     |                   |    |                    |     |                          | <u>          </u> |  |  |

Emperor's

# Emperor's Customs &c. on Exports.

|                                                     | <u>Pecul Catty.</u> |    |                     | <u>Tale Ma. Cam:Ca.</u> |   |   |   |
|-----------------------------------------------------|---------------------|----|---------------------|-------------------------|---|---|---|
| Bohea Tea, —                                        | 1                   | 11 |                     |                         |   |   |   |
| deduct 10 per Cent.                                 | 0                   | 11 |                     |                         |   |   |   |
| Remains — — —                                       | 1                   | 0  | at 2 Mace per Pecul | 0                       | 2 | 0 | 0 |
| 24 per Cent.                                        |                     |    |                     | 0                       | 0 | 4 | 8 |
| 7 per Cent. for Sifce                               |                     |    |                     | 0                       | 0 | 1 | 7 |
| 2 per Cent. on 2 Mace                               |                     |    |                     | 0                       | 0 | 0 | 4 |
| Peculage                                            |                     |    |                     | 0                       | 0 | 8 | 6 |
| Old Impofition on the Value, 8 Tales at 6 per Cent. |                     |    |                     | 0                       | 4 | 8 | 0 |
| New Ditto — on ditto — 10 ditto at 10 per Cent.     |                     |    |                     | 0                       | 8 | 0 | 0 |
|                                                     |                     |    |                     | <u>Tales. 1 6 3 5</u>   |   |   |   |

N. B. The fineft Conghoes, and all other Teas of the Bohea Sortments; are valued at 8 Tales per Pecul; and the fineft Hyfons, and all other Sortments of the Green-Teas, are rated but at 7 Tales per Pecul.

All wrought Silks paying 2 2 Tale Mace per Pecul; it is unnecessary to give any other Examples; but it may be usefull to observe

\*\*\*\*\*

## Emperor's Customs &c. on Exports.

observe the present Valuation, by which the Customs, Hop-  
po's &c. Duties are accounted upon the following Articles,  
producing the several Amounts mentioned as follow or  
thereabouts.

| Tale Mace                           |   |   |   |   |           | Tale Mace Can. Ca. |   |   |   |    |
|-------------------------------------|---|---|---|---|-----------|--------------------|---|---|---|----|
| Poifce Valued at                    | — | — | 4 | 4 | per Peice | }                  | 0 | 8 | 1 | 0  |
| pays Customs, Duty and Impositions. | — | — |   |   |           |                    |   |   |   |    |
| Gofnee                              | — | — | 3 | 5 | —         | —                  | 0 | 6 | 5 | 0  |
| Taffata                             | — | — | 3 | 3 | —         | —                  | 0 | 5 | 8 | 3½ |
| Paduafoy                            | — | — | 3 | 0 | —         | —                  | 0 | 6 | 0 | 0  |
| Gorgorams                           | — | — | 3 | 0 | —         | —                  | 0 | 6 | 0 | 0  |
| Lampaffes.                          | — | — | 4 | 5 | —         | —                  | 0 | 8 | 1 | 0  |
| Velvets                             | — | — | 6 | 0 | —         | —                  | 1 | 0 | 7 | 0  |
| Embroiderys                         | — | — | 8 | 0 | —         | —                  | 1 | 4 | 0 | 0  |
| Peelongs                            | — | — | 7 | 0 | }         |                    | 0 | 1 | 1 | 0  |
| Geelongs                            | — | — | 7 | 0 |           |                    |   |   |   |    |
| Paunches                            | — | — | 7 | 0 |           |                    |   |   |   |    |
| Handkercheifs, being 7 Tale         | — | — |   |   |           |                    | 0 | 2 | 0 | 0  |

Ribbons,

# Emperor's Customs &c. on Exports.

Ribbons pay also  $\frac{\text{Tale Mace}}{2 \cdot 2}$  per Pecul, and are valued at  $\frac{\text{Tale}}{100}$  per Pecul for the Old and New Impositions.

# Memorandum of Elephant's Teeth.

|              |   |   |                   |   |         |             |            |
|--------------|---|---|-------------------|---|---------|-------------|------------|
|              |   |   |                   |   |         | <u>Tale</u> |            |
| First Sort   | - | 3 | Teeth to a Pecul, | - | Suppose | 45          | per Pecul. |
| Second Ditto | - | 4 | ditto             | - | ditto   | 43          | ditto.     |
| Third Ditto  | - | 5 | ditto             | - | ditto   | 41          | ditto.     |
| Fourth Ditto | - | 6 | ditto             | - | ditto   | 39          | ditto.     |

And fo on every Tooth lofes 2 Tale in the Price.



**S**

# The

# The Emperor's Customs, on the following Commodities.

|                                            | Tale | Ma. | Can. | Ca. |
|--------------------------------------------|------|-----|------|-----|
| Allom ——— per Pecul                        | 0    | 1   | 0    | 0   |
| Amber large Peices ——— ditto.              | 10   | 0   | 0    | 0   |
| Ditto small ditto ——— ditto.               | 5    | 0   | 0    | 0   |
| Blew first Sort ——— per Catty              | 0    | 0   | 6    | 3   |
| Second ditto ——— ditto.                    | 0    | 0   | 3    | 1   |
| Birds Nest first Sort ——— per Pecul        | 4    | 0   | 0    | 0   |
| Ditto second Sort ——— ditto.               | 2    | 0   | 0    | 0   |
| Broad-Cloth ——— per Covid                  | 0    | 0   | 5    | 0   |
| Cambay Stones small ——— per Catty          | 0    | 1   | 0    | 0   |
| Ditto for Boxes ——— unrated                | 0    | 0   | 0    | 0   |
| Copper ——— per Pecul                       | 0    | 3   | 5    | 0   |
| Callicoe white first Sort ——— per Peice    | 0    | 5   | 0    | 0   |
| Ditto second Sort ——— ditto.               | 0    | 2   | 2    | 0   |
| Ditto coarse third Sort ——— ditto.         | 0    | 0   | 5    | 0   |
| Chints ——— ditto.                          | 0    | 2   | 2    | 0   |
| Carpets of Cloth embossed or flo- } ditto. | 1    | 0   | 0    | 0   |
| wered from England, large                  |      |     |      |     |
| Ditto ——— small ——— ditto.                 | 0    | 5   | 0    | 0   |
| Ditto for Tables ——— ditto.                | 0    | 1   | 0    | 0   |
| Camblets worsted fine ——— per Covid        | 0    | 1   | 0    | 0   |
| Ditto ditto coarse ——— ditto.              | 0    | 0   | 6    | 0   |
| Cotton Thread ——— per Pecul                | 0    | 1   | 5    | 0   |
| Clocks and Watches ——— each                | 1    | 0   | 0    | 0   |
| China Ware in Chests ——— per Pecul         | 0    | 3   | 0    | 0   |

Ditto



The Emperor's Customs, on the following Commodities.

|                                                                                                            | Tale | Ma. | Can. | Ca. |
|------------------------------------------------------------------------------------------------------------|------|-----|------|-----|
| Ditto in Bundles or Rolls ——— ditto.                                                                       | 0    | 2   | 0    | 0   |
| Coral Beads first Sort ——— per Catty                                                                       | 1    | 0   | 0    | 0   |
| Ditto — second Sort ——— ditto.                                                                             | 0    | 6   | 0    | 0   |
| Ditto — third Sort ——— ditto.                                                                              | 0    | 1   | 0    | 0   |
| Ditto very small fourth Sort — ditto.                                                                      | 0    | 0   | 5    | 0   |
| Camboogium exported ——— per Pecul                                                                          | 1    | 5   | 0    | 0   |
| Camphire (China) ——— ditto.                                                                                | 0    | 3   | 0    | 0   |
| Ditto Malaya first Sort ——— ditto.                                                                         | 1    | 0   | 0    | 0   |
| Ditto ditto second Sort ——— ditto.                                                                         | 0    | 6   | 0    | 0   |
| China Root ——— per Pecul                                                                                   | 0    | 1   | 0    | 0   |
| Dammar ——— ditto.                                                                                          | 0    | 1   | 0    | 0   |
| Elbony ——— ditto.                                                                                          | 0    | 1   | 0    | 0   |
| Elephant's Teeth ——— ditto.                                                                                | 3    | 4   | 0    | 0   |
| Fanns Ivory ——— per Hundred                                                                                | 0    | 1   | 0    | 0   |
| Ditto Bamboo ——— ditto.                                                                                    | 0    | 0   | 5    | 0   |
| Ginghams ——— per Peice                                                                                     | 0    | 2   | 2    | 0   |
| Handkercheifs of India large ditto.                                                                        | 0    | 0   | 2    | 0   |
| Ditto ditto Small ——— ditto.                                                                               | 0    | 0   | 1    | 0   |
| Hatts from England ——— each.                                                                               | 0    | 0   | 4    | 0   |
| Looking Glaffes from 7 Punts to<br>5 Punts broad, large ; the small } each.<br>to pay in Proportion. ——— } | 0    | 1   | 0    | 0   |
| Lacquered Ware (China) ——— per Pecul                                                                       | 0    | 2   | 5    | 0   |
| Ditto (Japan) ——— ditto.                                                                                   | 0    | 4   | 0    | 0   |
| Lamp Oyl ——— per Pecul                                                                                     | 0    | 1   | 0    | 0   |
| Musk Imported ——— per Catty                                                                                | 0    | 5   | 0    | 0   |
| Ditto Exported ——— ditto.                                                                                  | 0    | 2   | 0    | 0   |
| Mother of Pearl Shells ——— per Pecul                                                                       | 0    | 2   | 0    | 0   |
| Ditto ditto wrought ——— ditto.                                                                             | 0    | 3   | 0    | 0   |
| Nutmeg, Cloves and Cinnamon. ditto.                                                                        | 1    | 4   | 0    | 0   |

# 72 An AUTHENTICK ACCOUNT of

The Emperor's Customs on the following Commodities.

|                                                            |     |            |           | Tale | Ma. | Can. | Ca. |
|------------------------------------------------------------|-----|------------|-----------|------|-----|------|-----|
| Palampores                                                 | —   | —          | per Peice | 0    | 2   | 0    | 0   |
| Perpets                                                    | —   | —          | per Covid | 0    | 0   | 1    | 5   |
| Pepper                                                     | —   | —          | per Pecul | 4    | 0   | 0    | 0   |
| Putchuck                                                   | —   | —          | ditto.    | 7    | 5   | 0    | 0   |
| Perspective Glasses                                        | —   | —          | each.     | 4    | 0   | 0    | 0   |
| Quicksilver                                                | —   | —          | per Pecul | 1    | 2   | 0    | 0   |
| Rose Wood                                                  | —   | —          | ditto.    | 0    | 0   | 5    | 0   |
| Red Wood                                                   | —   | —          | ditto.    | 0    | 6   | 0    | 0   |
| Rattans                                                    | —   | —          | per Pecul | 0    | 1   | 0    | 0   |
| Rosemalloes                                                | —   | —          | ditto.    | 3    | 0   | 0    | 0   |
| Silk Stockings                                             | —   | —          | per Pair  | 0    | 0   | 0    | 8   |
| Serges                                                     | —   | —          | per Covid | 0    | 0   | 3    | 0   |
| Soap from Europe or India,                                 | per | 100 Cakes. |           | 0    | 1   | 2    | 0   |
| Shark's Finns                                              | —   | —          | per Pecul | 0    | 3   | 0    | 0   |
| Sagoe                                                      | —   | —          | ditto.    | 0    | 2   | 5    | 0   |
| Sweet Meats                                                | --  | —          | ditto.    | 0    | 5   | 0    | 0   |
| Sugar-Candy and Sugar                                      | —   | —          | ditto.    | 0    | 1   | 0    | 0   |
| Screens large                                              | —   | —          | each.     | 0    | 5   | 0    | 0   |
| Ditto small                                                | —   | —          | ditto.    | 0    | 3   | 0    | 0   |
| Santal Wood of all Sorts                                   | —   | —          | per Pecul | 0    | 8   | 5    | 0   |
| Tallow                                                     | —   | —          | ditto.    | 0    | 1   | 0    | 0   |
| Tortoise Shell                                             | —   | —          | ditto.    | 3    | 0   | 0    | 0   |
| Tinn Imported                                              | —   | —          | ditto.    | 0    | 8   | 0    | 0   |
| Ditto Exported                                             | —   | —          | ditto.    | 0    | 3   | 0    | 0   |
| Vermilion (for which Native<br>Cinnabar is always put off) | }   |            | per Pecul | 1    | 2   | 0    | 0   |
| Velvets from England                                       | —   | —          | per Peice | 4    | 0   | 0    | 0   |
| Wine Glasses of any Size                                   | —   | —          | each.     | 0    | 0   | 3    | 0   |
| Wax.                                                       | —   | —          | per Pecul | 0    | 8   | 0    | 0   |

TABLE

1750

**T**ABLES reducing Troy-Weights into Canton-Weights and Canton-Weights into Troy-Weights at Oz. dw. 120 16 per 100 Tale, being very exact; and what are now made Use of (by all Gentlemen who Trade largely) in paying their Silver to the Merchants.

| Penny Weights. | Mace. | Candy. | Cafh. | Parts.<br>151 |
|----------------|-------|--------|-------|---------------|
| 1              | 0     | 4      | 1     | 59            |
| 2              | 0     | 8      | 2     | 118           |
| 3              | 1     | 2      | 4     | 26            |
| 4              | 1     | 6      | 5     | 85            |
| 5              | 2     | 0      | 6     | 144           |
| 6              | 2     | 4      | 8     | 52            |
| 7              | 2     | 8      | 9     | 111           |
| 8              | 3     | 3      | 1     | 19            |
| 9              | 3     | 7      | 2     | 78            |
| 10             | 4     | 1      | 3     | 137           |
| 11             | 4     | 5      | 5     | 45            |
| 12             | 4     | 9      | 6     | 104           |
| 13             | 5     | 3      | 8     | 12            |
| 14             | 5     | 7      | 9     | 71            |
| 15             | 6     | 2      | 0     | 131           |
| 16             | 6     | 6      | 2     | 38            |
| 17             | 7     | 0      | 3     | 97            |
| 18             | 7     | 4      | 5     | 5             |
| 19             | 7     | 8      | 6     | 64            |
| 20             | 8     | 2      | 7     | 123           |

T

Ounces

# 74 An AUTHENTICK ACCOUNT of

| Ounces. | Tails. | Mace. | Candy. | Cash. | Parts.<br>151 |
|---------|--------|-------|--------|-------|---------------|
| 1.      | 0      | 8     | 2      | 7     | 123           |
| 2       | 1      | 6     | 5      | 5     | 95            |
| 3       | 2      | 4     | 8      | 3     | 67            |
| 4       | 3      | 3     | 1      | 1     | 39            |
| 5       | 4      | 1     | 3      | 9     | 11            |
| 6       | 4      | 9     | 6      | 6     | 139           |
| 7       | 5      | 7     | 9      | 4     | 106           |
| 8       | 6      | 6     | 2      | 2     | 78            |
| 9       | 7      | 4     | 5      | 0     | 50            |
| 10      | 8      | 2     | 7      | 8     | 22            |
| 11      | 9      | 1     | 0      | 5     | 145           |
| 12      | 9      | 9     | 3      | 3     | 117           |
| 13      | 10     | 7     | 6      | 1     | 89            |
| 14      | 11     | 5     | 8      | 9     | 61            |
| 15      | 12     | 4     | 1      | 7     | 33            |
| 16      | 13     | 2     | 4      | 5     | 5             |
| 17      | 14     | 0     | 7      | 2     | 128           |
| 18      | 14     | 9     | 0      | 0     | 100           |
| 19      | 15     | 7     | 2      | 8     | 72            |
| 20      | 16     | 5     | 5      | 6     | 44            |
| 30      | 24     | 8     | 3      | 4     | 66            |
| 40      | 33     | 1     | 1      | 2     | 88            |
| 50      | 41     | 3     | 9      | 0     | 110           |
| 60      | 49     | 6     | 6      | 8     | 132           |
| 70      | 57     | 9     | 4      | 7     | 3             |
| 80      | 66     | 2     | 2      | 5     | 25            |
| 90      | 74     | 5     | 0      | 3     | 47            |
| 100     | 82     | 7     | 8      | 1     | 69            |

Ounces

| Ounces  | Tales. | Mace | Candy | Calh. | Parts.<br>151 |
|---------|--------|------|-------|-------|---------------|
| 200     | 165    | 5    | 6     | 2     | 138           |
| 300     | 248    | 3    | 4     | 4     | 56            |
| 400     | 331    | 1    | 2     | 5     | 125           |
| 500     | 413    | 9    | 0     | 7     | 43            |
| 600     | 496    | 6    | 8     | 8     | 112           |
| 700     | 579    | 4    | 7     | 0     | 30            |
| 800     | 662    | 2    | 5     | 1     | 99            |
| 900     | 745    | 0    | 3     | 3     | 17            |
| 1000    | 827    | 8    | 1     | 4     | 86            |
| 2000    | 1655   | 6    | 4     | 9     | 21            |
| 3000    | 2483   | 4    | 4     | 3     | 107           |
| 4000    | 3311   | 2    | 5     | 8     | 42            |
| 5000    | 4139   | 0    | 7     | 2     | 128           |
| 6000    | 4966   | 8    | 8     | 7     | 63            |
| 7000    | 5794   | 7    | 0     | 1     | 149           |
| 8000    | 6622   | 5    | 1     | 6     | 84            |
| 9000    | 7450   | 3    | 3     | 1     | 19            |
| 10,000  | 8278   | 1    | 4     | 5     | 105           |
| 20,000  | 16,556 | 2    | 9     | 1     | 59            |
| 30,000  | 24,834 | 4    | 3     | 7     | 13            |
| 40,000  | 33,112 | 5    | 8     | 2     | 118           |
| 50,000  | 41,390 | 7    | 2     | 8     | 72            |
| 60,000  | 49,668 | 8    | 7     | 4     | 26            |
| 70,000  | 57,947 | 0    | 1     | 9     | 131           |
| 80,000  | 66,225 | 1    | 6     | 5     | 85            |
| 90,000  | 74,503 | 3    | 1     | 1     | 39            |
| 100,000 | 82,781 | 4    | 5     | 6     | 144           |

T 2

TABLES



# WEIGHTS, COINS, &c. in EAST-INDIA. 77

\*\*\*\*\*

1750

**T**ABLES reducing Canton-Weights into Troy-Weights and Troy-Weights into Canton-Weights at  
 Oz. dw.  
 120 16 per 100 Tale, being very exact; and what are now  
 made Use of (by all Gentlemen who Trade largely) in paying  
 their Silver to the Merchants.

| Mace. | Ounces | Pen-Weight | Grains. | Parts.<br>1000 |
|-------|--------|------------|---------|----------------|
| 1     | 0      | 2          | 9       | 984            |
| 2     | 0      | 4          | 19      | 968            |
| 3     | 0      | 7          | 5       | 952            |
| 4     | 0      | 9          | 15      | 936            |
| 5     | 0      | 12         | 1       | 920            |
| 6     | 0      | 14         | 11      | 904            |
| 7     | 0      | 16         | 21      | 888            |
| 8     | 0      | 19         | 7       | 872            |
| 9     | 1      | 1          | 17      | 256            |
| 10    | 1      | 4          | 3       | 840            |

U

Tales.

# 78 An AUTHENTICK ACCOUNT of

| Tales. | Ounces. | dwt. | Grains. | Parts.<br>100 |
|--------|---------|------|---------|---------------|
| 1      | 1       | 4    | 3       | 84            |
| 2      | 2       | 8    | 7       | 68            |
| 3      | 3       | 12   | 11      | 52            |
| 4      | 4       | 16   | 15      | 36            |
| 5      | 6       | 0    | 19      | 20            |
| 6      | 7       | 4    | 23      | 4             |
| 7      | 8       | 9    | 2       | 88            |
| 8      | 9       | 13   | 6       | 72            |
| 9      | 10      | 17   | 10      | 56            |
| 10     | 12      | 1    | 14      | 40            |
| 11     | 13      | 5    | 18      | 24            |
| 12     | 14      | 9    | 22      | 8             |
| 13     | 15      | 14   | 1       | 92            |
| 14     | 16      | 18   | 5       | 76            |
| 15     | 18      | 2    | 9       | 60            |
| 16     | 19      | 6    | 13      | 44            |
| 17     | 20      | 10   | 17      | 28            |
| 18     | 21      | 14   | 21      | 12            |
| 19     | 22      | 19   | 0       | 96            |
| 20     | 24      | 3    | 4       | 80            |
| 30     | 36      | 4    | 19      | 20            |
| 40     | 48      | 6    | 9       | 60            |
| 50     | 60      | 8    | 0       | 0             |
| 60     | 72      | 9    | 14      | 40            |
| 70     | 84      | 11   | 4       | 80            |
| 80     | 96      | 12   | 19      | 20            |
| 90     | 108     | 14   | 9       | 60            |
| 100    | 120     | 16   | 0       | 0             |

Tales.

# WEIGHTS, COINS, &c. in EAST-INDIA. 79

| Tales.  | Ounces. | dwt. | Grains. | Parts.<br>100 |
|---------|---------|------|---------|---------------|
| 200     | 241     | 12   | 0       | 0             |
| 300     | 362     | 8    | 0       | 0             |
| 400     | 483     | 4    | 0       | 0             |
| 500     | 604     | 0    | 0       | 0             |
| 600     | 724     | 16   | 0       | 0             |
| 700     | 845     | 12   | 0       | 0             |
| 800     | 966     | 8    | 0       | 0             |
| 900     | 1087    | 4    | 0       | 0             |
| 1000    | 1208    | 0    | 0       | 0             |
| 2000    | 2416    | 0    | 0       | 0             |
| 3000    | 3624    | 0    | 0       | 0             |
| 4000    | 4832    | 0    | 0       | 0             |
| 5000    | 6040    | 0    | 0       | 0             |
| 6000    | 7248    | 0    | 0       | 0             |
| 7000    | 8456    | 0    | 0       | 0             |
| 8000    | 9664    | 0    | 0       | 0             |
| 9000    | 10,872  | 0    | 0       | 0             |
| 10,000  | 12,080  | 0    | 0       | 0             |
| 20,000  | 24,160  | 0    | 0       | 0             |
| 30,000  | 36,240  | 0    | 0       | 0             |
| 40,000  | 48,320  | 0    | 0       | 0             |
| 50,000  | 60,400  | 0    | 0       | 0             |
| 60,000  | 72,480  | 0    | 0       | 0             |
| 70,000  | 84,560  | 0    | 0       | 0             |
| 80,000  | 96,640  | 0    | 0       | 0             |
| 90,000  | 108,720 | 0    | 0       | 0             |
| 100,000 | 120,800 | 0    | 0       | 0             |

F I N I S.











