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Contributors

Rutter, Henry.

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THE
METRIC SYSTEM
OF
WEIGHTS AND MEASURES
COMPARED WITH
BRITISH STANDARD WEIGHTS AND MEASURES

BY HENRY RUTTER.

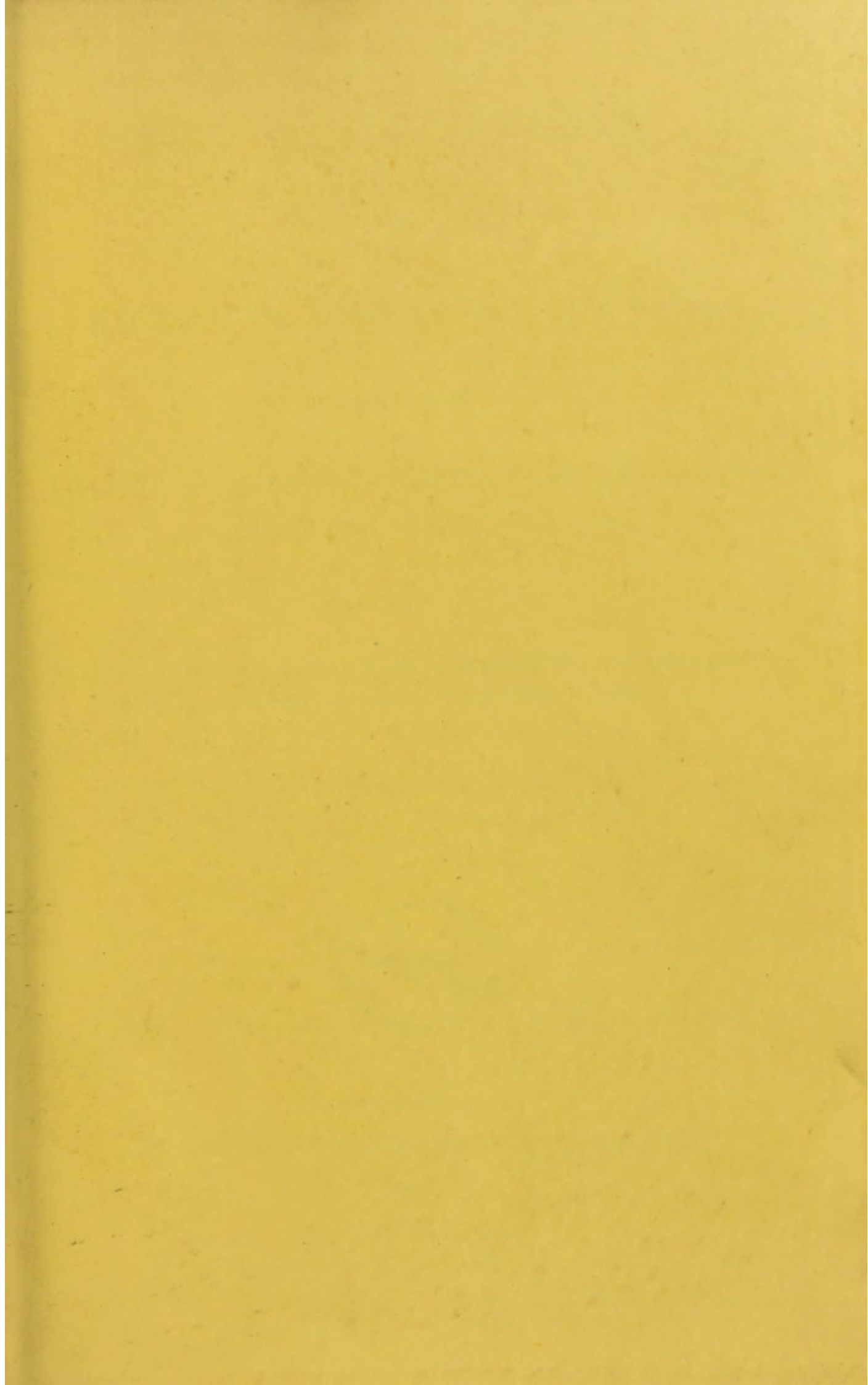


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THE HISTORY OF THE

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THE METRIC SYSTEM

OF

WEIGHTS AND MEASURES

COMPARED WITH

BRITISH STANDARD WEIGHTS AND MEASURES

IN A COMPLETE SET OF COMPARATIVE TABLES;

ALSO,

TABLES OF EQUIVALENT PRICES UNDER THE TWO SYSTEMS; AND OF CHINESE
AND INDIAN WEIGHTS COMPARED WITH METRIC WEIGHTS, ETC.

BY HENRY RUTTER,

AUTHOR OF EXCHANGE TABLES AND ARBITRATIONS OF EXCHANGES
BETWEEN ENGLAND, INDIA, AND CHINA.



LONDON:

EFFINGHAM WILSON, ROYAL EXCHANGE.

1866.

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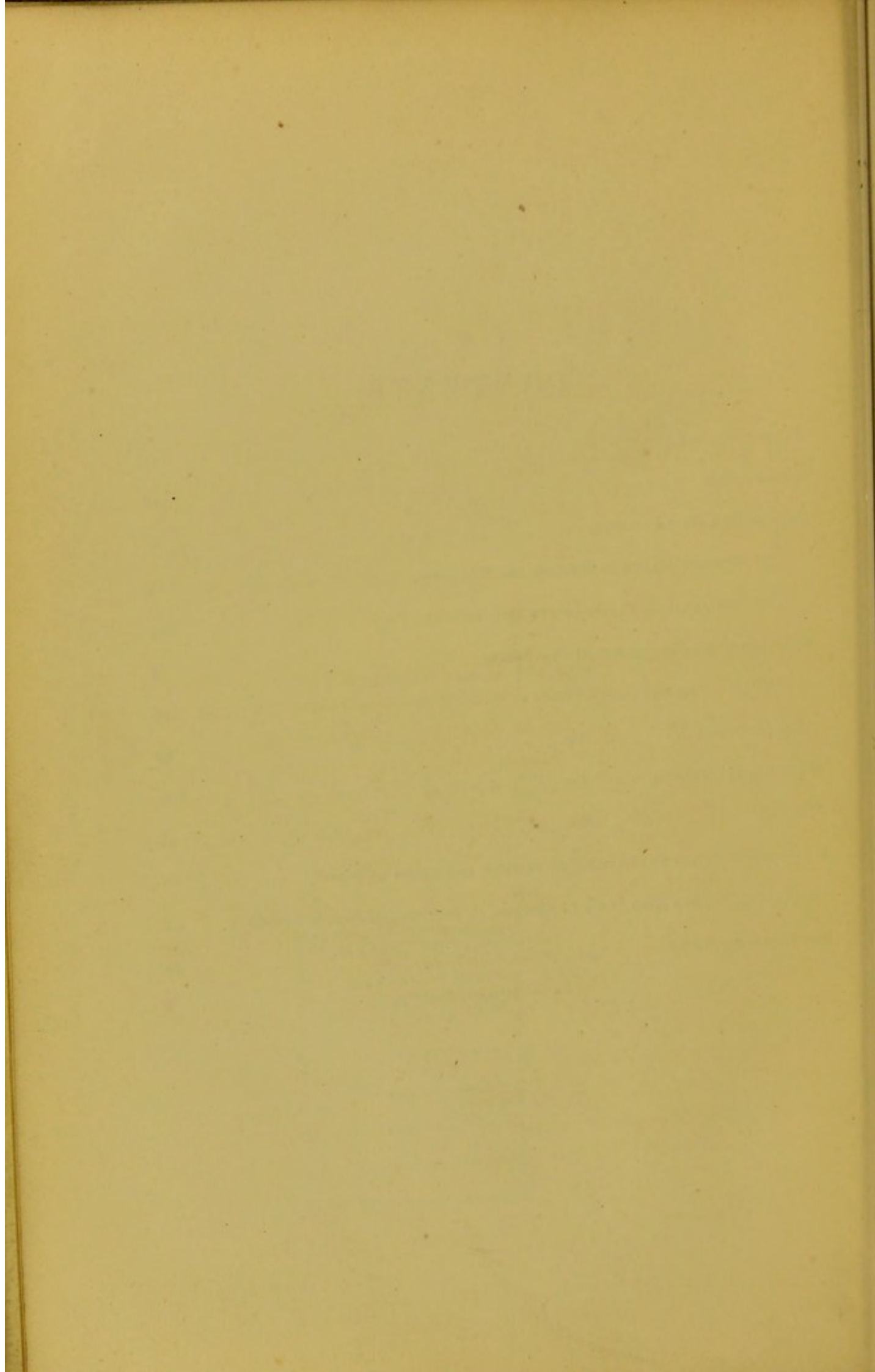
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LE SYSTÈME MÉTRIQUE

DE POIDS ET DE MESURES

COMPARÉ AVEC LES POIDS ET LES MESURES ANGLAIS
DITS "STANDARD."

AU LECTEUR FRANÇAIS.

Les Tables suivantes de Poids et de Mesures comparatifs, avec les prix équivalents, ont été commencées lors de la rotation d'un Acte du Parlement de l'année passée, qui a légalisé en Angleterre l'usage du Système Métrique. Il faudra pourtant plusieurs années avant de pouvoir établir le système dans son intégrité en ce pays : mais en attendant ces Tables pourront venir en aide pour faciliter les affaires commerciales entre la France et l'Angleterre.

Les données des Tables sont puisées à une Série jointe au dit Acte de Parlement ; elles ne diffèrent que légèrement de celles qu'on a estimées antérieurement ; mais cette différence est elle toujours suffisante pour faire supprimer les autres. Les équivalents légaux se trouveront page xxii. de l'Introduction.

Les Tables comparatives de *Mesures de Longueur* se trouveront de page 1 à 16 ; puis celles de *Mesures de Surface* à page 24 ; de *Mesures Cubique* à page 32 ; de *Mesures de Capacité* à page 46 ; et de *Poids* à page 66. On y a ajouté (page 67 à 87) les Tables des *Prix Comparatifs* sous les

deux Systèmes ; et parmi les Tables diverses qui commencent à page 90 on trouvera les Tables de Poids Chinois et de Poids Indiens, comparés avec ceux du Système Métrique, *et vice versa*.

L'écrivain veut bien espérer que ces Tables seront accueillies favorablement, et par le Négociant Français et par ses compatriotes. Quant à son aptitude et à ses moyens pour traiter ce sujet, il se permet de référer le Lecteur à un Ouvrage qu'il a publié déjà, et qui porte pour titre, "Exchange and Bullion Tables between England, India, and China," dont huit éditions ont vu le jour.

INTRODUCTORY.

“ Look here upon this picture, and on this.”

THE subjoined Tables were constructed in the hopes of facilitating the introduction of the Metric system of Weights and Measures into this country, now that the use of it has been legalized by Act of Parliament.* It is certain that a measure so strongly supported and recommended as this was, not only by Parliament, but by the Chambers of Commerce throughout the country, will not be suffered to fall into disuse, or rather, to become a dead letter; but still it seems that some Tables of the present kind are necessary for the information and convenience of those unconnected with foreign trade, to whom the *Metre, Are, Litre, and Gram*, with their equivalents in our British Standards of length, surface, capacity, and weight, are unknown.

The Metric system by its beauty and uniformity speaks for itself; for at the same time that its scientific arrangement is so complete, so perfect, it is also so simple that he who runs may read, nay, a child may learn it

* The following is the Act of Parliament 27th and 28th Victoriae, cap. 117, passed 29th July 1864:—
“ Whereas, for the promotion and extension of our internal as well as our foreign trade, and for the advancement of science, it is expedient to legalize the use of the Metric system of Weights and Measures: Be it enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

“ 1. This Act may be cited as the ‘ Metric Weights and Measures Act, 1864.’

“ 2. Notwithstanding anything contained in any Act of Parliament to the contrary, no contract or dealing shall be deemed to be invalid or open to objection on the ground that the weights or measures expressed or referred to in such contract or dealing are weights or measures of the Metric system, or on the ground that decimal subdivisions of legal weights and measures, whether Metric or otherwise, are used in such contract or dealing.

“ 3. The table in the schedule hereto annexed shall be deemed to set forth, in terms of the weights and measures in force in this country, the equivalents of the weights and measures therein expressed in terms of the Metric system, and such table may be lawfully used for computing, determining, and expressing, in weights and measures, weights and measures of the Metric system.”

The schedule to which this Act refers will be found in CHAP. III.

in a few hours, and will remember it through life,—it will benefit alike the mechanic, the trader, the merchant, the government official, and the man of science, by the economy both of time and labour. . . . But the veil of prejudice, the fetters of old custom, and the jealousy or dislike engendered on account of its origin and period of introduction into Europe, lead many to prefer our own system, with its numerous unconnected subdivisions—so difficult to acquire at school—but so far more difficult to retain afterwards, that not one man of business in a thousand can repeat these Tables all through,—a system that, commencing with the barbarous ages,* has always required altering and amending—in fact, a thing “of shreds and patches.” . . . By a partial eye blemishes are sometimes admired, as with the lover who sees no faults in his mistress; and excrescences in nature are more valuable on that account, like the pearl in the oyster—but making such a preference as this!—I could almost say it is loving darkness rather than light.

And let not the Metric system be stigmatized as purely theoretical, neither let it be imagined (as one writer expresses it) that “common people cannot be brought to understand a Greek and Latin nomenclature, and the division of things into ten;” for have we not terms and derivatives without number of Greek and Latin in our language: and then as to the division by ten being difficult or incomprehensible to common people, I would say in reply, that in China, a demi-civilized country, far behind all Europe as to the education of the masses or popular instruction, the divisions of the weights and measures are uniformly of a decimal character; and that any shopman, any common porter, ay, and any little urchin in the streets understands, and can calculate by it; there is no confusion in using it, and the same system prevails all over that vast empire with its hundreds of millions of people, and has, no doubt, been the law of the land for ages,—I believe it has stamped its seal or impression upon them, rendering them a thoroughly practical people, imbued with

* “It is supposed that the origin of Long Measure was taken from a grain of barley, of which three selected out of the middle of an ear and well dried make an inch. The English yard is said to have been taken from the arm of King Henry I., in the year 1101; it has been in use ever since that period, and is retained in the new standard measures of extension.”—See Joyce’s *Arithmetic, etc.*

business habits and tastes in an eminent degree: of their commercial character and aptitude for trade I can testify from a long personal intercourse with them.

But we ought to take one step further in the decimal system, and that is to have a purely decimal coinage: and it is astonishing with what a small alteration in our *copper* coinage only, this result could be fully attained. Assuming the £ as the unit, we have the florin the tenth of it; the florin then has 96 farthings, and I would suggest that, in lieu of 96 farthings, we should have 100 coins as equal to a florin; and by this small change—a change which would be almost imperceptible to the poorer classes, whom indeed it would principally affect—we should thus secure all the advantages of a decimal currency.

With a decimal division of weights and measures, and a decimal currency, an immense saving of time would accrue to all classes; for instance, in teaching children arithmetic, some of those competent to judge have reckoned that one-half of the time now devoted to that branch of education would then be economised; and, on looking through the *Tutor's Assistant*, I cannot see that it would be necessary to teach more than the following rules for all the *general* requirements of trade and commerce:—

Addition,	}	Simple and in Decimals.
Subtraction,		
Multiplication,		
Division,		
Reduction of Vulgar Fractions into Decimals.		
Rule of Three, with its various modes of application.		

A thorough knowledge of these could be instilled into any child of ordinary capacity in a few months, and, what is more, such would be retained through life; whereas with arithmetic, as it is at present taught at schools, the many rules that have to be acquired cause confusion in the pupil's mind; they are often thrown aside soon after education is finished, and as soon forgotten. It is true there may be some other rule of arithmetic necessary for a particular branch of trade or commerce, but such could be acquired far better in after life.

Of course some inconvenience would arise on the first introduction of so great a change in our Weights and Measures; changes always cause trouble, and sometimes individual losses in the beginning. But hitherto Englishmen have not been wont to fear or shrink from either, when a positive benefit could be obtained in the end, or a *great truth* followed out. And the difficulties are not insurmountable, as, for instance, in France, Holland, and Belgium, where the old weights and measures have been quite thrown aside; and in Spain, Portugal, Italy (except the Papal dominions), Switzerland, Greece, Germany, Denmark, Mexico, and some parts of South America, where the Metric system has been already introduced, and is making progress. A commencement has now been made in this country by legalizing the system; and, considering the advantages that would be gained by it, above all, the time that would be economised—and TIME IS MONEY—can I not add that its complete adoption by us would be adding to the NATIONAL WEALTH?

Should, however, my expectations be too sanguine as to its introduction into England, the following Tables will at all events be useful to those engaged in commerce with countries in which it is the law, enabling them more readily to convert our weights and measures into Metric quantities, and *vice versa*. In its "permissive" state the system can hardly make further progress unless our Government gives it an impetus by making the teaching of it compulsory in schools, and ordering its use in the Custom's department, and other public offices.

I may add that I have consulted the most eminent commercial authorities for my data for the few following remarks; and that the whole has received my undivided attention for some months. And to prove my capability for the undertaking, I beg to refer to a former work published by me, *Exchange and Bullion Tables between England, India, and China*, which has gone through eight editions.

H. R.

CHAPTER I.

THE METRIC SYSTEM.

THIS system was first introduced into Europe by the French Republican Government in 1793, and it is now entirely adopted by France, as also by Holland and Belgium, and is in process of introduction by several other nations as well in America as in Europe. It is unquestionably the most scientific system in the world, combining at the same time the greatest simplicity. It is founded on a Natural Standard, the METRE having been estimated to be the ten-millionth part of the earth's meridian, or distance from the Equator to the Pole : this was deduced from the careful measurement of an arc of the meridian between Dunkirk and Barcelona.

The following are the *Integers* of length, surface, capacity, and weight, with their legalized equivalents in the Measures and Weights of this country, according to Act of Parliament (27th and 28th Victoriæ, cap. 117) :—

The METRE, the basis of the system, is a measure of Length equal to 39 · 37079 inches.

The ARE is a measure of Surface, containing 100 Square Metres, and is equal to 119 · 603326 square yards.

The LITRE is the unit of measures of Capacity, both for dry goods and liquids ; it is the $\frac{1}{10000}$ th part of a cubic metre, and is equal to 1 · 76077 pints.

The GRAM, the unit of Weights, is the weight of the $\frac{1}{1000000}$ th part of a cubic metre of pure water, of the temperature of melting ice, and is equal to 0 · 56438304 dram avoirdupois, or 15 · 4323487 grains Troy.

Cubic Measurement.—There is no mention made of this in the Act of Parliament, but the cube of the Metre, according to the length given above, is equal to 35 · 31658074037381 cubic feet.

The multiples and sub-multiples of these integers are invariably in decimal proportion, the distinguishing feature between the multiples and divisors being that the former have Greek prefixes, and the latter Latin.

<i>Multiples.</i>		<i>Divisors or Sub-multiples.</i>	
Deka	= 10 times.	Deci	= $\frac{1}{10}$ th part.
Hecto	= 100 „	Centi	= $\frac{1}{100}$ th „
Kilo	= 1,000 „	Milli	= $\frac{1}{1000}$ th „
Myria	= 10,000 „		

These terms—and they are the whole which have to be learned—are prefixed respectively to the above integers, the Metre, Are, Litre, and Gram, with some slight exceptions, which may be seen in the following Tables. And in these few words we have a complete outline of the Metric system; it is the same in every respect as that in use in France; also in Belgium and the Netherlands, but with different denominations, which are given below.

MEASURES OF LENGTH.

The beauty and simplicity of the Metric system, as before stated, is derived principally from the arrangement of the multipliers and divisors being in decimal proportion. With the exception of this decimal character, which cannot be changed, custom will perhaps introduce some modification as to the *number of terms* which may be used in any particular science, or branch of trade or commerce; and this can be done without creating any confusion. Thus distances may be computed as so many Kilometres and decimal parts of a Kilometre (as is the custom in France); while in Cloth Measure, Metres and decimal parts of a Metre would only be necessary; for instance, we might say so many thousand Metres of cloth. The Myriametre is equal to 10,936 · 3305 yards; and the Millimetre (the ten-millionth part of the former) is 0 · 03937079 inch, or about the diameter of a common pin's head.

The following synoptical Tables of Metric Measures and Weights, if placed side by side with those of our own system, will speak more in favour of a decimal division of measures and weights than anything that could otherwise be written or argued. For *Length* we have—

Millimetre. 1								
	Centimetre. 1							
10		Decimetre. 1						
100	10		METRE. 1					
1,000	100	10		Dekametre. 1				
10,000	1,000	100	10		Hectometre. 1			
100,000	10,000	1,000	100	10		Kilometre. 1		
1,000,000	100,000	10,000	1,000	100	10		Myriametre. 1	
10,000,000	1,000,000	100,000	10,000	1,000	100	10		1

MEASURES OF SURFACE.

The smallest division under the head of Measures of Surface is the Centiare or square metre, equal to 1.19603326 square yard, which is hardly small enough for the general requirements of Square Measure. It is true we can subdivide it by 10 and 100; but this would be inconvenient in some branches of trade where *only* tenths or hundredths of a Centiare are employed; and a nomenclature is therefore necessary.

Square Metres. 1	Centiare. 1			
		ARE. 1		
100	100		Dekare. 1	
1,000	1,000	10		Hectare. 1
10,000	10,000	100	10	

MEASURES OF CAPACITY.

The same measures, as before remarked, are applied both to dry goods and liquids. The Litre, the unit of Capacity, is a cubic decimetre, or $\frac{1}{1000}$ th part of a cubic metre; and filled with pure water, of the temperature of melting ice, weighs one Kilogram; it is equal to 1.76077 pint. *Kilo* is the highest multiple, and *Centi* the lowest sub-multiple. The following Table gives the equivalents of measures of capacity to cubic measurement, and weight of the same filled with water.

Weight if filled with water. Grams.	Cubic Measurement.		Centilitre.	Decilitre.	LITRE.	Dekalitre.	Hectolitre.	Kilolitre.
	Cubic Metre.	decimals.						
10	0	000001	1					
100	0	00001	10	1				
1,000	0	0001	100	10	1			
10,000	0	001	1,000	100	10	1		
100,000	0	01	10,000	1,000	100	10	1	
1,000,000	1	.	100,000	10,000	1,000	100	10	1

WEIGHTS.

In this branch of the Metric System also, custom will no doubt introduce some modification of the number of terms employed : thus where Avoirdupois weight is now used, quantities will no doubt be written off as so many Kilograms and decimal parts of a Kilogram ; while for precious metals, etc., accounts will be rendered as so many hundred or thousand Grams, etc. ; and in consequence of the system being entirely of a decimal character, as before remarked, no confusion could arise from such alterations.

Or equal to Measure of Capacity. Litres. decimals.	Cubic Measurement of same weight of water.		Milligram.	Centigram.	Decigram.	GRAM.	Dekagram.	Hectogram.	Kilogram.	Myriagram.	Quintal.	Millier.
	Metres. decimals.	Metres. decimals.										
0.000001	0	0000000001	1									
0.00001	0	000000001	10	1								
0.0001	0	00000001	100	10	1							
0.001	0	0000001	1,000	100	10	1						
0.01	0	000001	10,000	1,000	100	10	1					
0.1	0	00001	100,000	10,000	1,000	100	10	1				
1.	0	0001	1,000,000	100,000	10,000	1,000	100	10	1			
10.	0	01	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1		
100.	0	1	100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1	
1000.	1	.	1,000,000,000	100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1

CUBIC MEASUREMENT.

There is no mention made of Cubic Measurement in the Act of Parliament which legalizes the use of the Metric System in this country. This is the more to be regretted, as in *Le Système Métrique* of the French, the Standard Measures of Solidity are too unwieldy for the requirements of general trade and commerce. Thus, the French system gives the Stere or Cubic Metre as the unit, the solid contents of which are equal to 35 · 31658 English cubic feet. The Stere has a multiple of 10 called the Dekastere, equal to 353 · 1658 cubic feet, and a sub-multiple of 10, the Decistere, equal to 3 · 531658 cubic feet. The following Table will more fully explain the French system :—

Weight if filled with Water. Grams.	Equal to Measure of Capacity. Litres.	Or Cubic Metres.	Decistere.	STERE.	Dekastere.
100,000	100	0 · 1	1	1	1
1,000,000	1,000	1 ·	10		
10,000,000	10,000	10 ·	100		

The above has, however, almost fallen into disuse, except for the measurement of firewood, and instead cubes of the Metre, Decimetre, and Centimetre are employed; which will be found a more practical arrangement for us, and approaches more nearly to our cubic foot and inch. The following Table gives the comparison of the cubes thus stated with the French system :—

Le Système Métrique.			Weight if filled with water.	Equivalent Measure of Capacity.	Cubic Centimetre.	Cubic Decimetre.	Cubic Metre.
Stere.	Deci- stere.	decimals.	Grams.	Litres. decimals.	1	1	1
0	0 ·	00001	1	0 · 001	1	1	1
0	0 ·	01	1,000	1 ·	1,000	1	1
1			1,000,000	1,000 ·	1,000,000	1,000	1

A close inspection of the foregoing Tables discloses a beautiful series of equations between Cubic Measurement, Measure of Capacity, and Weight (of water),—results which, by our own system, cannot be obtained without some calculation and tedious reference to authorities.

<i>Cubic Measurement.</i>		<i>Measure of Capacity.</i>		<i>Weight of water at 39°.</i>
1 Cubic Metre	=	1 Kilolitre	=	1 Millier,
$\frac{1}{10}$ Do.	=	1 Hectolitre	=	1 Quintal.
$\frac{1}{100}$ Do.	=	1 Dekalitre	=	1 Myriagram.
1 Cubic Decimetre	=	1 Litre	=	1 Kilogram.
$\frac{1}{10}$ Do.	=	1 Decilitre	=	1 Hectogram.
$\frac{1}{100}$ Do.	=	1 Centilitre	=	1 Dekagram.
1 Cubic Centimetre	=	$\frac{1}{1000}$ Do.	=	1 Gram.
$\frac{1}{10}$ Do.	=	$\frac{1}{1000}$ Do.	=	1 Decigram.
$\frac{1}{100}$ Do.	=	$\frac{1}{10000}$ Do.	=	1 Centigram.
1 Cubic Millimetre	=	$\frac{1}{1000000}$ Do.	=	1 Milligram.

and as the integers are all units, it thence follows that the same series of figures always represent Cubic Measurement, Measure of Capacity, and Weight (of water);—thus the cubic measurement of 24689 litres is 24689 cubic Decimetres, and the same would weigh, if filled with water, 24689 Kilograms. It requires some care, however, to determine the place of the decimal point where fractions occur, as $\frac{1}{10}$ or $\frac{1}{100}$ of a Cubic Metre, etc.; or $\frac{1}{10}$, $\frac{1}{100}$, $\frac{1}{1000}$, or $\frac{1}{10000}$ of a Centilitre.

In the NETHERLANDS the Metric System is used with the following denominations:—

Weights.—The Pond is the same as the Kilogram, and is equal to 10 Ounces, 100 Looden, 1000 Wigtjes, and 10,000 Korrels (Decigrams).

Capacity—*for dry Goods*.—The Hectolitre corresponds with Mudde or Zak, and is equal to 10 Schepel, 100 Kop (or litres), 1000 Maatjees. *For Liquids*; the Vat corresponds with the Hectolitre: and the Kan corresponds with the litre, being equal to 10 Maatjees, or 100 Vingerhoeds (Centilitres).

Length.—The Elle is equivalent to the Metre, and is composed of 10 Palm,

100 Duim, or 1000 Streep (Millimetres). The Mijle corresponds with the Kilometre; and the Roede with the Dekametre.

Surface.—The Bunder is equal to the Are; and the Vierkante elle to the Centiare.

In BELGIUM the weights are also the same as in France, but the Kilogram is termed Livre; the Litre is termed Litron; and the Metre, Aune.

CHAPTER II.

BRITISH STANDARD WEIGHTS AND MEASURES.

THE present work would be incomplete if Tables of our own Weights and Measures were not also given; for though such information may be found in any Tutor's Assistant, it is not always that such a reference is close at hand; and there are few persons who have *all* our Tables so well impressed on the memory as never to require assistance. Besides, the foreigner (to whom it is hoped these pages will be also acceptable) will be at a still greater loss than our own countrymen on the subject.

Commencing with MEASURES OF LENGTH, we find that, by Act of Parliament passed in 1824, the YARD was declared to be the unit from which all other measures of extension whatever, whether lineal, superficial, or solid, are based. The original Standard Yard Measure was lost on the destruction by fire of the Houses of Parliament in 1834; and it was afterwards enacted that the length of a pendulum vibrating seconds should be the datum from which to compute the Yard. The following is the mode for reproducing it, prescribed in the Act of Parliament:—

“It has been ascertained by the Commissioners appointed by His Majesty to inquire into the subject of Weights and Measures, that the said Yard, hereby declared to be the Imperial Standard Yard, when compared with a pendulum vibrating seconds of mean time in the latitude of London, in a vacuum at the level of the sea, is in the proportion of 36 inches to 39 inches and 1393 ten-thousandth parts of an inch.”

From which it may be deduced that an inch is 0·0255 of one such pendulum; or one mile of 1760 yards would be equal to 1618·833 such pendulums.—

But it has been since ascertained that the Yard cannot be exactly reproduced in this manner, as some of these directions are incorrect.*

LONG MEASURE.

12 inches = 1 foot; 3 feet = 1 yard; $5\frac{1}{2}$ yards = 1 pole or rod; 40 poles = 1 furlong; 8 furlongs, or 1760 yards, = 1 mile. Besides this, we have 3 inches = 1 palm; 4 inches = 1 hand; 9 inches = 1 span; and 6 feet = 1 fathom. A mile = 63,360 inches, or 5,280 feet.

For CLOTH.— $2\frac{1}{4}$ inches = 1 nail; 4 nails = 1 quarter; 4 quarters = 1 yard; 5 quarters = 1 ell. The yard is sometimes divided into quarters, eighths, and sixteenths,—of 9, $4\frac{1}{2}$, and $2\frac{1}{4}$ inches respectively.

SUPERFICIAL MEASURE.

144 square inches = 1 square foot; 9 square feet = 1 square yard; $30\frac{1}{4}$ square yards = 1 square pole; 40 square poles = 1 rood; 4 roods = 1 acre. An acre contains 6,272,640 square inches, or 4840 square yards, and measures on each side about 208 feet $8\frac{1}{2}$ inches. A square mile contains 4,014,489,600 square inches, or 3,097,600 square yards, or 640 acres. A hide of land is 100 acres. Of course, any length or breadth in yards, which, multiplied, make 4840, contains an acre; so sides whose multiple makes 3,097,600 square yards is a square mile.

CUBIC OR SOLID MEASURE.

Weight of water in air, Ther. 60°. Bar. 30°.	Equal to Measure of Capacity.		Cubic Inch.	Cubic Foot.	Cubic Yard.
	lbs. Avoir.	galls. decimals.			
0 · 0361	0 · 00360	1			
62 · 321	6 · 23210	1,728	1		
1682 · 669	168 · 267	46,656	27	1	

* Vide "Tate's Modern Cambist," page 9.

† Or 252 · 458 Grains Troy.

A cubic inch of water is computed to weigh 0·264 grains Troy more in a vacuum than in air. (See Report of Committee on the Weights, etc., Act of 1824.)

MEASURES OF CAPACITY.

The Act of Parliament of 1824 declares the Imperial Standard *GALLON* to be the unit of Measures of Capacity, and to be the only standard from which all other measures, whether for dry goods or liquids, shall be computed. It measures 277·274 cubic inches, and contains 10 lbs. weight Avoirdupois of distilled water, weighed in air, Fahrenheit's thermometer at 62°, and barometer at 30°. The following Table is deduced therefrom:—

Weight of Water.		Cubic Measurement.									
lbs.	dec.	Cubic Inches.	dec.	Pint.	Quart.	Gallon.	Peck.	Bushel.	Quarter.		
1	· 25	34	· 659	1							
2	· 5	69	· 318	2	1						
10	·	277	· 274	8	4	1					
20	·	554	· 548	16	8	2	1				
80	·	2,218	· 192	64	32	8	4	1			
640	·	17,745	· 536	512	256	64	32	8	1		

Before the Act of 1824 was passed, there were three several gallons; the Wine gallon of 231 cubic inches, containing 8 lbs. 5 oz. 6½ drams weight of water; the Ale gallon, 282 cubic inches and 10 lbs. 2 oz. 11½ drams; and the gallon of dry measure of 268·8 cubic inches and 9 lbs. 10 oz. 1¾ drams weight of water.

WEIGHTS.

The Imperial Standard, TROY POUND,* is the legal unit from which all other weights are computed: it contains 5760 grains; and 7000 grains Troy are equal to one pound Avoirdupois.

* The Commissioners appointed by Government in 1838 to report on our weights and measures, recommended that the pound Avoirdupois should be adopted as the STANDARD; the pound Troy being now almost unknown in commercial transactions.

TROY WEIGHT.—24 grains = 1 pennyweight (dwt.), 20 pennyweights = 1 ounce (oz.), 12 ounces = 1 pound (lb.)

In weighing Diamonds, there are $151\frac{1}{2}$ carats to the ounce Troy; and for Pearls, the ounce is divided into 600 grains, 5 of which are equal to 4 grains Troy.

AVOIRDUPOIS WEIGHT.—16 drams = 1 ounce, 16 ounces = 1 pound, 14 pounds = 1 stone, 28 pounds = 1 quarter, 4 quarters or 8 stones = 1 hundredweight (cwt.), 20 hundredweight = 1 ton; and 1 dram = $27 \cdot 34375$ grains Troy; 1 ounce = $437 \cdot 5$ grains Troy.

APOTHECARIES' WEIGHT.—20 grains = 1 scruple, 3 scruples = 1 dram, 8 drams = 1 ounce, 12 ounces = 1 pound. The pound, ounce, and grain of Apothecaries' weight, are the same as the pound, ounce, and grain of Troy weight.

These are the principal denominations or divisions in our weights and measures; there are some others which are used in particular branches of our trade and commerce, but which it is unnecessary to specify here.

Having thus given an outline of the two systems of weights and measures, it remains to notice the "Comparative Tables," and the Data which form the groundwork of them.

CHAPTER III.

COMPARATIVE TABLES OF THE TWO SYSTEMS.

To the Act of Parliament by which the use of the Metric System is legalized in this country is appended a Schedule of Equivalent, and these form the DATA upon which the following Comparative Tables are calculated. They differ but slightly from those previously published, still the difference is quite sufficient to cause all others to be thrown aside. It will be seen that no equivalent is given in this Schedule for Cubic Measurement; and this

is the more to be regretted, as there has been some confusion on the subject by writers.

The connecting link between Cubic Measurement and Weight of water, viz., that the Gram is the weight of a cubic Centimetre of water is not given in this Act; and as the French adopt a different standard *for the temperature* of water to that prescribed by the Act of 1824, this seems to be an omission of some importance. According to "Le Système Métrique" of the French, the temperature is taken at that of melting ice, or 39° Fahrenheit, at which water is of the greatest density. The difference between the two temperatures makes a difference in the weight of a body of water of 0·1662 per cent.* Thus a gallon of water at 62° weighs 10 lbs.; but by the French method it weighs 10·01662; as may be proved by Chain Rule as follows (the Equivalent for the litre and kilogram being given in the Schedule below; and the connexion between the litre and kilogram is explained in Chap. II.) :—

? lbs.	=	1 gallon.
1 gallon	=	8 pints.
1·76077 pint	=	1 litre.
1 litre	=	1 kilogram.
1 kilogram	=	2 lbs. 3 oz. 4·38304 drams (or 2·20462 lbs.)

$$\frac{8 \times 2 \cdot 20462}{176077} = 10 \cdot 01662 \text{ lbs.}$$

Then, for the difference per cent. :—

lbs.		lbs.		lbs.		
As 10	:	01662	::	100	:	0·1662.

The following is the Schedule above referred to as given in the Act of Parliament 27th and 28th Victoriae, cap. 117, and on which the Comparative Tables are based :—

“Schedule of Tables of the Values of the principal Denominations of Measures and Weights on the Metric System, expressed by means of the legalized Denominations of Measures and Weights in Great Britain and Ireland.”

* The Committee of the House of Commons on whose report the Act of 1824 was passed, stated that the two temperatures 62° and 39° vary the bulk of a gallon of water one-third of a cubic inch. This is equal to 0·1202 per cent. only; for—

Cubic Inches.		Cubic Inches.		Cubic Inches.		
As 277·274	:	$\frac{1}{3}$	:	100	:	0·1202

MEASURES OF LENGTH.

METRIC DENOMINATIONS AND VALUES.		EQUIVALENTS IN BRITISH DENOMINATIONS.				
	Metres.	Miles.	Yards.	Feet.	Inches.	Decimals.
Myriametre,	10,000	} 6	376	0	11	· 9
			or	10,936	0	11	· 9
Kilometre,	1,000		1,093	1	10	· 79
Hectometre,	100		109	1	1	· 079
Dekametre,	10		10	2	9	· 7079
Metre,	1		1	0	3	· 3708
Decimetre,	$\frac{1}{10}$				3	· 9371
Centimetre,	$\frac{1}{100}$				0	· 3937
Millimetre,	$\frac{1}{1000}$				0	· 0394

MEASURES OF SURFACE.

METRIC DENOMINATIONS AND VALUES.		EQUIVALENTS IN BRITISH DENOMINATIONS.		
	Square Metres.	Acres.	Square Yards.	Decimals.
Hectare, <i>i.e.</i> , 100 Ares,	10,000	} 2	2,280	· 3326
			or	11,960	· 3326
Dekare, <i>i.e.</i> , 10 Ares,	1,000		1,196	· 0333
Are,	100		119	· 6033
Centiare, <i>i.e.</i> , $\frac{1}{100}$ Are,	1		1	· 1960

MEASURES OF CAPACITY.

METRIC DENOMINATIONS AND VALUES.		EQUIVALENTS IN BRITISH DENOMINATIONS.					
	Cubic Metres.	Quarters.	Bushels.	Pecks.	Gallons.	Quarts.	Pts. Decimals.
Kilolitre, <i>i.e.</i> , 1000 Litres,	1	3	3	2	0	0	0 · 77
Hectolitre, <i>i.e.</i> , 100 Litres,	$\frac{1}{10}$		2	3	0	0	0 · 077
Dekalitre, <i>i.e.</i> , 10 Litres,	$\frac{1}{100}$			1	0	0	1 · 6077
Litre,	$\frac{1}{1000}$						1 · 76077
Decilitre, <i>i.e.</i> , $\frac{1}{10}$ Litre, .	$\frac{1}{10000}$						0 · 176077
Centilitre, <i>i.e.</i> , $\frac{1}{100}$ Litre,	$\frac{1}{100000}$						0 · 0176077

WEIGHTS.

METRIC DENOMINATIONS AND VALUES.		EQUIVALENTS IN BRITISH DENOMINATIONS.						
	Grams.	Cwts.	Stones.	Pounds.	Ounces.	Drams.	Decimals.	
Millier,	1,000,000	19	5	6	9	15	· 04	
Quintal,	100,000	1	7	10	7	6	· 304	
Myriagram,	10,000		1	8	0	11	· 8304	
Kilogram,	1,000	{ (or 15,432·3487 grains)*					4	· 3830
Hectogram,	100						3	8	4383
Dekagram,	10						· 6438	
Gram,	1					0	· 56438	
Decigram,	$\frac{1}{10}$					0	· 056438	
Centigram,	$\frac{1}{100}$					0	· 0056438	
Milligram,	$\frac{1}{1000}$					0	· 00056438	

The above are the whole of the Equivalents attached to the Act of Parliament.
 The following DATA are deduced therefrom :—

$$\text{LENGTH.—1 Metre} = \left\{ \begin{array}{l} 39 \cdot 37079 \text{ inches.} \\ 3 \cdot 2808991\bar{6} \text{ feet.} \\ 1 \cdot 0936330\bar{5} \text{ yard.} \\ 0 \cdot 198842\bar{3}7 \text{ pole.} \\ 0 \cdot 004971059\bar{3}4 \text{ furlong.} \\ 0 \cdot 000621382417\bar{9}2 \text{ mile.} \end{array} \right.$$

$$\text{SURFACE. } \left\{ \begin{array}{l} 1 \text{ Centiare or} \\ \text{Square Metre} \end{array} \right\} = \left\{ \begin{array}{l} 1550 \cdot 0591052241 \text{ square inches.} \\ 10 \cdot 76429934183402\bar{7} \text{ square feet.} \\ 1 \cdot 1960332602, \text{ etc., square yard.} \\ 0 \cdot 0395382896, \text{ etc., square pole.} \\ 0 \cdot 0009884572, \text{ etc., rood.} \\ 0 \cdot 00024711431, \text{ etc., acre.} \\ 0 \cdot 000000386116109, \text{ etc., square mile.} \end{array} \right.$$

* The Kilogram was ascertained by Professor Miller to be equal to 15,432·34874 grains Troy, thus carrying out the calculation one place further in the decimals. In the following Tables I have taken it at 15,432·34875 grains, for I found that such was the exact equivalent (without any remainder) of 2 lbs. 3 oz. 4·38304 drams, as given above.

CAPACITY.—1 Litre	=	}	1·76077 pint.
			0·880385 quart.
			0·22009625 gallon.
			0·110048125 peck.
			0·02751203125 bushel.
			0·00343900390625 quarter.

WEIGHT.—1 Kilogram	=	}	564·38304 drams Avoir.
			35·27394 ounces Avoir.
			2·20462125 pounds Avoir.
			0·15747294642857 ¹ stone Avoir.
			0·0787364732142857 ² quarter Avoir.
			0·0196841183035, etc., cwt. Avoir.
			15432·3487 grains Troy (see Note on previous page.)
			643·01452916 dwts. Troy
			32·1507264583 ³ ounces Troy.
			2·679227204861 pounds Troy.

SOLID.	}	1 Cubic Metre =	}	61027·05151936594, etc., cubic inches.
				35·31658074037, etc., cubic feet.
				1·3080215089, etc., cubic yard.
	}	1 Cubic Decimetre =	}	61·0270515, etc., cubic inches.
				0·03531658, etc., cubic feet.
				0·00130802, etc., cubic yard.
	}	1 Cubic Centi- metre	}	0·06102705, etc., cubic inches.
				0·00003531658, etc., cubic feet.
				0·00000130802, etc., cubic yard.
	}	1 Cubic Milli- metre	}	0·00006102705, etc., cubic inches.
				0·00000035316, etc., cubic feet.
				0·00000001308, etc., cubic yard.

LINEAL MEASURES

OR

MEASURES OF LENGTH.

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MEASURES OF LENGTH.

I.—Long Measure converted into Metric.

		Myria- metres.	Kilo- metres.	Hecto- metres.	Deka- metres.	Metres.	Deci- metres.	Centi- metres.	Milli- metres.	decimals.
1 inch . . . or mile	0·000015782 ²	...	...	...	...	...	...	2		5·399541
2 " . . . "	0·00003156	...	...	...	...	...	...	5		0·799082
3 " . . . "	0·000047348	...	...	...	...	...	...	7		6·198623
4 " . . . "	0·0000631	...	...	...	...	...	1	0		1·598165
5 " . . . "	0·000078914	...	...	...	...	...	1	2		6·997706
6 " . . . "	0·00009469	...	...	...	...	...	1	5		2·397247
7 " . . . "	0·000110479	...	...	...	...	...	1	7		7·796788
8 " . . . "	0·000126	...	...	...	...	...	2	0		3·196329
9 " . . . "	0·000142045	...	...	...	...	...	2	2		8·595870
10 " . . . "	0·00015782	...	...	...	...	...	2	5		3·995411
11 " . . . "	0·00017361	...	...	...	...	...	2	7		9·394952
1 foot . . . "	0·0001893	...	...	...	...	...	3	0		4·794494
2 " . . . "	0·000378	...	...	...	...	...	6	0		9·588987
1 yard . . . "	0·0005681	...	...	...	...	...	9	1		4·38348
2 " . . . "	0·001136	...	...	...	...	1	8	2		8·7670
3 " . . . "	0·0017045	...	...	...	...	2	7	4		3·1504
4 " . . . "	0·00227	...	...	...	...	3	6	5		7·5339
5 " . . . "	0·0028409	...	...	...	...	4	5	7		1·9174
5½ " or 1 pole	0·003125	...	...	...	...	5	0	2		9·1091
2 " . . . "	0·00625	...	...	...	1	0	0	5		8·2183
3 " . . . "	0·009375	...	...	...	1	5	0	8		7·3274
4 " . . . "	0·0125	...	...	...	2	0	1	1		6·4366
5 " . . . "	0·015625	...	...	...	2	5	1	4		5·5457
6 " . . . "	0·01875	...	...	...	3	0	1	7		4·6549
7 " . . . "	0·021875	...	...	...	3	5	2	0		3·7640
8 " . . . "	0·025	...	...	...	4	0	2	3		2·8732
9 " . . . "	0·028125	...	...	...	4	5	2	6		1·9823
10 " . . . "	0·03125	...	...	...	5	0	2	9		1·0914
11 " . . . "	0·034375	...	...	...	5	5	3	2		0·2006
12 " . . . "	0·0375	...	...	...	6	0	3	4		9·3097
13 " . . . "	0·040625	...	...	...	6	5	3	7		8·4189
14 " . . . "	0·04375	...	...	...	7	0	4	0		7·5280
15 " . . . "	0·046875	...	...	...	7	5	4	3		6·6372
16 " . . . "	0·05	...	...	...	8	0	4	6		5·7463
17 " . . . "	0·053125	...	...	...	8	5	4	9		4·8554
18 " . . . "	0·05625	...	...	...	9	0	5	2		3·9646
19 " . . . "	0·059375	...	...	...	9	5	5	5		3·0737
20 " . . . "	0·0625	...	...	1	0	0	5	8		2·1829
21 " . . . "	0·065625	...	...	1	0	5	6	1		1·2920
22 " . . . "	0·06875	...	...	1	1	0	6	4		0·4012
23 " . . . "	0·071875	...	...	1	1	5	6	6		9·5103
24 " . . . "	0·075	...	...	1	2	0	6	9		8·6195
25 " . . . "	0·078125	...	...	1	2	5	7	2		7·7286
26 " . . . "	0·08125	...	...	1	3	0	7	5		6·8377
27 " . . . "	0·084375	...	...	1	3	5	7	8		5·9469
28 " . . . "	0·0875	...	...	1	4	0	8	1		5·0560
29 " . . . "	0·090625	...	...	1	4	5	8	4		4·1652
30 " . . . "	0·09375	...	...	1	5	0	8	7		3·2743
31 " . . . "	0·096875	...	...	1	5	5	9	0		2·3835

MEASURES OF LENGTH.

I.—Long Measure converted into Metric.

		Myria- metres.	Kilo- metres.	Hecto- metres.	Deka- metres.	Metres.	Deci- metres.	Centi- metres.	Milli- metres.	decimals.
	decimals.									
32 poles or miles	0·1	...	...	1	6	0	9	3		1·4926
33 "	0·103125	...	...	1	6	5	9	6		0·6018
34 "	0·10625	...	...	1	7	0	9	8		9·7109
35 "	0·109375	...	...	1	7	6	0	1		8·8200
36 "	0·1125	...	...	1	8	1	0	4		7·9292
37 "	0·115625	...	...	1	8	6	0	7		7·0383
38 "	0·11875	...	...	1	9	1	1	0		6·1475
39 "	0·121875	...	...	1	9	6	1	3		5·2566
1 furlong	0·125	...	...	2	0	1	1	6		4·3658
2 "	0·25	...	...	4	0	2	3	2		8·7315
3 "	0·375	...	...	6	0	3	4	9		3·0973
4 "	0·5	...	...	8	0	4	6	5		7·4631
5 "	0·625	...	1	0	0	5	8	2		1·8288
6 "	0·75	...	1	2	0	6	9	8		6·1946
7 "	0·875	...	1	4	0	8	1	5		0·5603
8 "	1	...	1	6	0	9	3	1		4·9261
6 yards	0·003409	...	...	...	...	5	4	8		6·3009
7 "	0·0039772	...	...	...	...	6	4	0		0·6844
8 "	0·0045	...	...	...	...	7	3	1		5·0678
9 "	0·0051136	...	...	...	...	8	2	2		9·4513
10 "	0·005681	...	...	...	...	9	1	4		3·8348
11 "	0·00625	...	...	...	1	0	0	5		8·2183
12 "	0·00681	...	...	...	1	0	9	7		2·6018
13 "	0·0073863	...	...	...	1	1	8	8		6·9852
14 "	0·007954	...	...	...	1	2	8	0		1·3687
15 "	0·0085227	...	...	...	1	3	7	1		5·7522
16 "	0·0090	...	...	...	1	4	6	3		0·1357
17 "	0·0096590	...	...	...	1	5	5	4		4·5192
18 "	0·010227	...	...	...	1	6	4	5		8·9027
19 "	0·0107954	...	...	...	1	7	3	7		3·2861
20 "	0·01136	...	...	...	1	8	2	8		7·6696
21 "	0·0119318	...	...	...	1	9	2	0		2·0531
22 "	0·0125	...	...	...	2	0	1	1		6·4366
23 "	0·0130681	...	...	...	2	1	0	3		0·8201
24 "	0·0136	...	...	...	2	1	9	4		5·2035
25 "	0·0142045	...	...	...	2	2	8	5		9·5870
26 "	0·014772	...	...	...	2	3	7	7		3·9705
27 "	0·0153409	...	...	...	2	4	6	8		8·3540
28 "	0·01590	...	...	...	2	5	6	0		2·7375
29 "	0·0164772	...	...	...	2	6	5	1		7·1209
30 "	0·017045	...	...	...	2	7	4	3		1·5044
31 "	0·0176136	...	...	...	2	8	3	4		5·8879
32 "	0·018	...	...	...	2	9	2	6		0·2714
33 "	0·01875	...	...	...	3	0	1	7		4·6549
34 "	0·019318	...	...	...	3	1	0	8		9·0383
35 "	0·0198863	...	...	...	3	2	0	0		3·4218
36 "	0·02045	...	...	...	3	2	9	1		7·8053
37 "	0·0210227	...	...	...	3	3	8	3		2·1888
38 "	0·021590	...	...	...	3	4	7	4		6·5723

MEASURES OF LENGTH.

I.—Long Measure converted into Metric.

		Myria- metres.	Kilo- metres.	Hecto- metres.	Deka- metres.	Metres.	Deci- metres.	Centi- metres.	Milli- metres.	decimals.
39 yards . . .	or miles	0·0221590	...	...	3	5	6	6		0·9557
40 " . . .	"	0·0227	...	...	3	6	5	7		5·3392
41 " . . .	"	0·0232954	...	...	3	7	4	8		9·7227
42 " . . .	"	0·023863	...	...	3	8	4	0		4·1062
43 " . . .	"	0·0244318	...	...	3	9	3	1		8·4897
44 " . . .	"	0·025	...	...	4	0	2	3		2·8732
45 " . . .	"	0·0255681	...	...	4	1	1	4		7·2566
46 " . . .	"	0·026136	...	...	4	2	0	6		1·6401
47 " . . .	"	0·0267045	...	...	4	2	9	7		6·0236
48 " . . .	"	0·027	...	...	4	3	8	9		0·4071
49 " . . .	"	0·0278409	...	...	4	4	8	0		4·7906
50 " . . .	"	0·028409	...	...	4	5	7	1		9·1740
51 " . . .	"	0·0289772	...	...	4	6	6	3		3·5575
52 " . . .	"	0·02954	...	...	4	7	5	4		7·9410
53 " . . .	"	0·0301136	...	...	4	8	4	6		2·3245
54 " . . .	"	0·030681	...	...	4	9	3	7		6·7080
55 " . . .	"	0·03125	...	...	5	0	2	9		1·0914
56 " . . .	"	0·0318	...	...	5	1	2	0		5·4749
57 " . . .	"	0·0323863	...	...	5	2	1	1		9·8584
58 " . . .	"	0·032954	...	...	5	3	0	3		4·2419
59 " . . .	"	0·0335227	...	...	5	3	9	4		8·6254
60 " . . .	"	0·03409	...	...	5	4	8	6		3·0088
61 " . . .	"	0·0346590	...	...	5	5	7	7		7·3923
62 " . . .	"	0·035227	...	...	5	6	6	9		1·7758
63 " . . .	"	0·0357954	...	...	5	7	6	0		6·1593
64 " . . .	"	0·036	...	...	5	8	5	2		0·5428
65 " . . .	"	0·0369318	...	...	5	9	4	3		4·9262
66 " . . .	"	0·0375	...	...	6	0	3	4		9·3097
67 " . . .	"	0·0380681	...	...	6	1	2	6		3·6932
68 " . . .	"	0·03863	...	...	6	2	1	7		8·0767
69 " . . .	"	0·0392045	...	...	6	3	0	9		2·4602
70 " . . .	"	0·039772	...	...	6	4	0	0		6·8437
71 " . . .	"	0·0403409	...	...	6	4	9	2		1·2271
72 " . . .	"	0·0409	...	...	6	5	8	3		5·6106
73 " . . .	"	0·0414772	...	...	6	6	7	4		9·9941
74 " . . .	"	0·042045	...	...	6	7	6	6		4·3776
75 " . . .	"	0·0426136	...	...	6	8	5	7		8·7611
76 " . . .	"	0·04318	...	...	6	9	4	9		3·1445
77 " . . .	"	0·04375	...	...	7	0	4	0		7·5280
78 " . . .	"	0·044318	...	...	7	1	3	2		1·9115
79 " . . .	"	0·0448863	...	...	7	2	2	3		6·2950
80 " . . .	"	0·045	...	...	7	3	1	5		0·6785
81 " . . .	"	0·0460227	...	...	7	4	0	6		5·0619
82 " . . .	"	0·046590	...	...	7	4	9	7		9·4454
83 " . . .	"	0·0471590	...	...	7	5	8	9		3·8289
84 " . . .	"	0·04772	...	...	7	6	8	0		8·2124
85 " . . .	"	0·0482954	...	...	7	7	7	2		2·5959
86 " . . .	"	0·048863	...	...	7	8	6	3		6·9793
87 " . . .	"	0·0494318	...	...	7	9	5	5		1·3628

MEASURES OF LENGTH.

I.—Long Measure converted into Metric.

		Myria- metres.	Kilo- metres.	Hecto- metres.	Deka- metres.	Metres.	Deci- metres.	Centi- metres.	Milli- metres.	decimals.
88 yards or mile	0·05	...	...	...	8	0	4	6		5·7463
89 "	0·0505681	...	...	...	8	1	3	8		0·1298
90 "	0·051136	...	...	...	8	2	2	9		4·5133
91 "	0·0517045	...	...	...	8	3	2	0		8·8967
92 "	0·05227	...	...	...	8	4	1	2		3·2802
93 "	0·0528409	...	...	...	8	5	0	3		7·6637
94 "	0·053409	...	...	...	8	5	9	5		2·0472
95 "	0·0539772	...	...	...	8	6	8	6		6·4307
96 "	0·054	...	...	...	8	7	7	8		0·8142
97 "	0·0551136	...	...	...	8	8	6	9		5·1976
98 "	0·055681	...	...	...	8	9	6	0		9·5811
99 "	0·05625	...	...	...	9	0	5	2		3·9646
100 "	0·05681	...	...	...	9	1	4	3		8·3481
200 "	0·1136	...	...	1	8	2	8	7		6·6961
300 "	0·17045	...	...	2	7	4	3	1		5·0442
400 "	0·227	...	...	3	6	5	7	5		3·3923
500 "	0·28409	...	...	4	5	7	1	9		1·7404
600 "	0·3409	...	...	5	4	8	6	3		0·0884
700 "	0·39772	...	...	6	4	0	0	6		8·4365
800 "	0·45	...	...	7	3	1	5	0		6·7846
900 "	0·51136	...	...	8	2	2	9	4		5·1327
1000 "	0·5681	...	...	9	1	4	3	8		3·4807
1100 "	0·625	...	1	0	0	5	8	2		1·8288
1200 "	0·681	...	1	0	9	7	2	6		0·1769
1300 "	0·73863	...	1	1	8	8	6	9		8·5250
1400 "	0·7954	...	1	2	8	0	1	3		6·8730
1500 "	0·85227	...	1	3	7	1	5	7		5·2211
1600 "	0·90	...	1	4	6	3	0	1		3·5692
1700 "	0·96590	...	1	5	5	4	4	5		1·9173
1760 "	1	...	1	6	0	9	3	1		4·9261
2 miles	or yards 3,520	...	3	2	1	8	6	2		9·8522
3 "	" 5,280	...	4	8	2	7	9	4		4·7783
4 "	" 7,040	...	6	4	3	7	2	5		9·7045
5 "	" 8,800	...	8	0	4	6	5	7		4·6306
6 "	" 10,560	...	9	6	5	5	8	8		9·5567
7 "	" 12,320	1	1	2	6	5	2	0		4·4828
8 "	" 14,080	1	2	8	7	4	5	1		9·4089
9 "	" 15,840	1	4	4	8	3	8	3		4·3350
10 "	" 17,600	1	6	0	9	3	1	4		9·2612
11 "	" 19,360	1	7	7	0	2	4	6		4·1873
12 "	" 21,120	1	9	3	1	1	7	7		9·1134
13 "	" 22,880	2	0	9	2	1	0	9		4·0395
14 "	" 24,640	2	2	5	3	0	4	0		8·9656
15 "	" 26,400	2	4	1	3	9	7	2		3·8917
16 "	" 28,160	2	5	7	4	9	0	3		8·8179
17 "	" 29,920	2	7	3	5	8	3	5		3·7440
18 "	" 31,680	2	8	9	6	7	6	6		8·6701
19 "	" 33,440	3	0	5	7	6	9	8		3·5962
20 "	" 35,200	3	2	1	8	6	2	9		8·5223
21 "	" 36,960	3	3	7	9	5	6	1		3·4484

MEASURES OF LENGTH.

I.—Long Measure converted into Metric.

		Myria- metres.	Kilo- metres.	Hecto- metres.	Deka- metres.	Metres.	Deci- metres.	Centi- metres.	Milli- metres.	decimals.
22 miles . . . or yards	38,720	3	5	4	0	4	9	2		8·3746
23 " . . . "	40,480	3	7	0	1	4	2	4		3·3007
24 " . . . "	42,240	3	8	6	2	3	5	5		8·2268
25 " . . . "	44,000	4	0	2	3	2	8	7		3·1529
26 " . . . "	45,760	4	1	8	4	2	1	8		8·0790
27 " . . . "	47,520	4	3	4	5	1	5	0		3·0051
28 " . . . "	49,280	4	5	0	6	0	8	1		7·9313
29 " . . . "	51,040	4	6	6	7	0	1	3		2·8574
30 " . . . "	52,800	4	8	2	7	9	4	4		7·7835
31 " . . . "	54,560	4	9	8	8	8	7	6		2·7096
32 " . . . "	56,320	5	1	4	9	8	0	7		7·6357
33 " . . . "	58,080	5	3	1	0	7	3	9		2·5618
34 " . . . "	59,840	5	4	7	1	6	7	0		7·4880
35 " . . . "	61,600	5	6	3	2	6	0	2		2·4141
36 " . . . "	63,360	5	7	9	3	5	3	3		7·3402
37 " . . . "	65,120	5	9	5	4	4	6	5		2·2663
38 " . . . "	66,880	6	1	1	5	3	9	6		7·1924
39 " . . . "	68,640	6	2	7	6	3	2	8		2·1185
40 " . . . "	70,400	6	4	3	7	2	5	9		7·0447
41 " . . . "	72,160	6	5	9	8	1	9	1		1·9708
42 " . . . "	73,920	6	7	5	9	1	2	2		6·8969
43 " . . . "	75,680	6	9	2	0	0	5	4		1·8230
44 " . . . "	77,440	7	0	8	0	9	8	5		6·7491
45 " . . . "	79,200	7	2	4	1	9	1	7		1·6752
46 " . . . "	80,960	7	4	0	2	8	4	8		6·6014
47 " . . . "	82,720	7	5	6	3	7	8	0		1·5275
48 " . . . "	84,480	7	7	2	4	7	1	1		6·4536
49 " . . . "	86,240	7	8	8	5	6	4	3		1·3797
50 " . . . "	88,000	8	0	4	6	5	7	4		6·3058
51 " . . . "	89,760	8	2	0	7	5	0	6		1·2319
52 " . . . "	91,520	8	3	6	8	4	3	7		6·1581
53 " . . . "	93,280	8	5	2	9	3	6	9		1·0842
54 " . . . "	95,040	8	6	9	0	3	0	0		6·0103
55 " . . . "	96,800	8	8	5	1	2	3	2		0·9364
56 " . . . "	98,560	9	0	1	2	1	6	3		5·8625
57 " . . . "	100,320	9	1	7	3	0	9	5		0·7886
58 " . . . "	102,080	9	3	3	4	0	2	6		5·7148
59 " . . . "	103,840	9	4	9	4	9	5	8		0·6409
60 " . . . "	105,600	9	6	5	5	8	8	9		5·5670
61 " . . . "	107,360	9	8	1	6	8	2	1		0·4931
62 " . . . "	109,120	9	9	7	7	7	5	2		5·4192
63 " . . . "	110,880	10	1	3	8	6	8	4		0·3453
64 " . . . "	112,640	10	2	9	9	6	1	5		5·2715
65 " . . . "	114,400	10	4	6	0	5	4	7		0·1976
66 " . . . "	116,160	10	6	2	1	4	7	8		5·1237
67 " . . . "	117,920	10	7	8	2	4	1	0		0·0498
68 " . . . "	119,680	10	9	4	3	3	4	1		4·9759
69 " . . . "	121,440	11	1	0	4	2	7	2		9·9020
70 " . . . "	123,200	11	2	6	5	2	0	4		4·8282
71 " . . . "	124,960	11	4	2	6	1	3	5		9·7543

MEASURES OF LENGTH.

I.—Long Measure converted into Metric.

		Myria- metres.	Kilo- metres.	Hecto- metres.	Deka- metres.	Metres.	Deci- metres.	Centi- metres.	Milli- metres.	decimals.
72 miles or yards	126,720	11	5	8	7	0	6	7		4·6804
73 " "	128,480	11	7	4	7	9	9	8		9·6065
74 " "	130,240	11	9	0	8	9	3	0		4·5326
75 " "	132,000	12	0	6	9	8	6	1		9·4587
76 " "	133,760	12	2	3	0	7	9	3		4·3849
77 " "	135,520	12	3	9	1	7	2	4		9·3110
78 " "	137,280	12	5	5	2	6	5	6		4·2371
79 " "	139,040	12	7	1	3	5	8	7		9·1632
80 " "	140,800	12	8	7	4	5	1	9		4·0893
81 " "	142,560	13	0	3	5	4	5	0		9·0154
82 " "	144,320	13	1	9	6	3	8	2		3·9416
83 " "	146,080	13	3	5	7	3	1	3		8·8677
84 " "	147,840	13	5	1	8	2	4	5		3·7938
85 " "	149,600	13	6	7	9	1	7	6		8·7199
86 " "	151,360	13	8	4	0	1	0	8		3·6460
87 " "	153,120	14	0	0	1	0	3	9		8·5721
88 " "	154,880	14	1	6	1	9	7	1		3·4983
89 " "	156,640	14	3	2	2	9	0	2		8·4244
90 " "	158,400	14	4	8	3	8	3	4		3·3505
91 " "	160,160	14	6	4	4	7	6	5		8·2766
92 " "	161,920	14	8	0	5	6	9	7		3·2027
93 " "	163,680	14	9	6	6	6	2	8		8·1288
94 " "	165,440	15	1	2	7	5	6	0		3·0549
95 " "	167,200	15	2	8	8	4	9	1		7·9811
96 " "	168,960	15	4	4	9	4	2	3		2·9072
97 " "	170,720	15	6	1	0	3	5	4		7·8333
98 " "	172,480	15	7	7	1	2	8	6		2·7594
99 " "	174,240	15	9	3	2	2	1	7		7·6855
100 " "	176,000	16	0	9	3	1	4	9		2·6116
200 " "	352,000	32	1	8	6	2	9	8		5·223
300 " "	528,000	48	2	7	9	4	4	7		7·835
400 " "	704,000	64	3	7	2	5	9	7		0·447
500 " "	880,000	80	4	6	5	7	4	6		3·058
600 " "	1,056,000	96	5	5	8	8	9	5		5·670
700 " "	1,232,000	112	6	5	2	0	4	4		8·282
800 " "	1,408,000	128	7	4	5	1	9	4		0·893
900 " "	1,584,000	144	8	3	8	3	4	3		3·505
1,000 " "	1,760,000	160	9	3	1	4	9	2		6·116
2,000 " "	3,520,000	321	8	6	2	9	8	5		2·23
3,000 " "	5,280,000	482	7	9	4	4	7	7		8·35
4,000 " "	7,040,000	643	7	2	5	9	7	0		4·47
5,000 " "	8,800,000	804	6	5	7	4	6	3		0·58
6,000 " "	10,560,000	965	5	8	8	9	5	5		6·70
7,000 " "	12,320,000	1,126	5	2	0	4	4	8		2·82
8,000 " "	14,080,000	1,287	4	5	1	9	4	0		8·93
9,000 " "	15,840,000	1,448	3	8	3	4	3	3		5·05
0,000 " "	17,600,000	1,609	3	1	4	9	2	6		1·16
0,000 " "	35,200,000	3,218	6	2	9	8	5	2		2·33
0,000 " "	52,800,000	4,827	9	4	4	7	7	8		3·49

MEASURES OF LENGTH.

II.—Metric Measure converted into Long Measure.

	Miles.	Yards.	Feet.	Inches.	OR THUS		OR THUS	
					decimals.	Miles.	decimals.	Yards.	decimals.
1 Millimetre,	0·039371	0·00000062138	0·00109363305		
2 " 	0·078742	0·00000124276	0·0021872661		
3 " 	0·118112	0·00000186415	0·00328089916		
4 " 	0·157483	0·00000248553	0·004374532		
5 " 	0·196854	0·00000310691	0·00546816527		
6 " 	0·236225	0·00000372829	0·0065617983		
7 " 	0·275596	0·00000434968	0·00765543138		
8 " 	0·314966	0·00000497106	0·008749064		
9 " 	0·354337	0·00000559244	0·0098426975		
1 Centimetre,	0·393708	0·00000621382	0·0109363305		
2 " 	0·787416	0·00001242765	0·021872661		
3 " 	1·181124	0·00001864147	0·0328089916		
4 " 	1·574832	0·00002485530	0·04374532		
5 " 	1·968540	0·00003106912	0·0546816527		
6 " 	2·362247	0·00003728295	0·065617983		
7 " 	2·755955	0·00004349677	0·0765543138		
8 " 	3·149663	0·00004971059	0·08749064		
9 " 	3·543371	0·00005592442	0·098426975		
1 Decimetre,	3·937079	0·00006213824	0·109363305		
2 " 	7·874158	0·00012427648	0·21872661		
3 " 	11·811237	0·00018641473	0·328089916		
4 " 	1	3·748316	0·00024855297	0·4374532		
5 " 	1	7·685395	0·00031069121	0·546816527		
6 " 	1	11·622474	0·00037282945	0·65617983		
7 " 	2	3·559553	0·00043496769	0·765543138		
8 " 	2	7·496632	0·00049710593	0·8749064		
9 " 	2	11·433711	0·00055924418	0·98426975		
1 Metre,	1	0	3·37079	0·0006213824	1·09363305		
2 " 	2	0	6·74158	0·0012427648	2·1872661		
3 " 	3	0	10·11237	0·0018641473	3·28089916		
4 " 	4	1	1·48316	0·0024855297	4·374532		
5 " 	5	1	4·85395	0·0031069121	5·46816527		
6 " 	6	1	8·22474	0·0037282945	6·5617983		
7 " 	7	1	11·59553	0·0043496769	7·65543138		
8 " 	8	2	2·96632	0·0049710593	8·749064		
9 " 	9	2	6·33711	0·0055924418	9·8426975		
1 Dekametre,	10	2	9·7079	0·006213824	10·9363305		
2 " 	21	2	7·4158	0·012427648	21·872661		
3 " 	32	2	5·1237	0·018641473	32·8089916		
4 " 	43	2	2·8316	0·024855297	43·74532		
5 " 	54	2	0·5395	0·031069121	54·6816527		
6 " 	65	1	10·2474	0·037282945	65·617983		
7 " 	76	1	7·9553	0·043496769	76·5543138		
8 " 	87	1	5·6632	0·049710593	87·49064		
9 " 	98	1	3·3711	0·055924418	98·426975		
1 Hectometre,	109	1	1·079	0·06213824	109·363305		
2 " 	218	2	2·158	0·12427648	218·72661		
3 " 	328	0	3·237	0·18641473	328·089916		
4 " 	437	1	4·316	0·24855297	437·4532		
5 " 	546	2	5·395	0·31069121	546·816527		

MEASURES OF LENGTH.

II.—Metric Measure converted into Long Measure.

	Miles.	Yards.	Feet.	Inches, decimals.	OR THUS	
					Miles.	Yards, decimals.
6 Hectometres, . . . . .	...	656	0	6·474	0·37282945	656·1798 $\frac{3}{8}$
7 " . . . . .	...	765	1	7·553	0·43496769	765·54313 $\frac{8}{8}$
8 " . . . . .	...	874	2	8·632	0·49710593	874·906 $\frac{4}{4}$
9 " . . . . .	...	984	0	9·711	0·55924418	984·26975
1 Kilometre, . . . . .	...	1093	1	10·79	0·62138242	1,093·6330 $\frac{5}{5}$
2 "	1	427	0	9·58	1·2427648	2,187·266 $\frac{1}{1}$
3 "	1	1520	2	8·37	1·8641473	3,280·8991 $\frac{6}{6}$
4 "	2	854	1	7·16	2·4855297	4,374·53 $\frac{2}{2}$
5 "	3	188	0	5·95	3·1069121	5,468·1652 $\frac{7}{7}$
6 "	3	1281	2	4·74	3·7282945	6,561·798 $\frac{3}{3}$
7 "	4	615	1	3·53	4·3496769	7,655·4313 $\frac{8}{8}$
8 "	4	1709	0	2·32	4·9710593	8,749·06 $\frac{4}{4}$
9 "	5	1042	2	1·11	5·5924418	9,842·6975
1 Myriametre,	6	376	0	11·9	6·2138242	10,936·330 $\frac{5}{5}$
2 "	12	752	1	11·8	12·427648	21,872·66 $\frac{1}{1}$
3 "	18	1128	2	11·7	18·641473	32,808·991 $\frac{6}{6}$
4 "	24	1505	0	11·6	24·855297	43,745·3 $\frac{2}{2}$
5 "	31	121	1	11·5	31·069121	54,681·652 $\frac{7}{7}$
6 "	37	497	2	11·4	37·282945	65,617·98 $\frac{3}{3}$
7 "	43	874	0	11·3	43·496769	76,554·313 $\frac{8}{8}$
8 "	49	1250	1	11·2	49·710593	87,490·6 $\frac{4}{4}$
9 "	55	1626	2	11·1	55·924418	98,426·975
10 "	62	243	0	11·0	62·138242	109,363·30 $\frac{5}{5}$
11 "	68	619	1	10·9	68·352066	120,299·636 $\frac{1}{1}$
12 "	74	995	2	10·8	74·565890	131,235·9 $\frac{6}{6}$
13 "	80	1372	0	10·7	80·779714	142,172·297 $\frac{2}{2}$
14 "	86	1748	1	10·6	86·993539	153,108·62 $\frac{7}{7}$
15 "	93	364	2	10·5	93·207363	164,044·958 $\frac{3}{3}$
16 "	99	741	0	10·4	99·421187	174,981·2 $\frac{8}{8}$
17 "	105	1117	1	10·3	105·635011	185,917·619 $\frac{4}{4}$
18 "	111	1493	2	10·2	111·848835	196,853·95
19 "	118	110	0	10·1	118·062659	207,790·280 $\frac{5}{5}$
20 "	124	486	1	10·0	124·276484	218,726·6 $\frac{1}{1}$
21 "	130	862	2	9·9	130·490308	229,662·941 $\frac{6}{6}$
22 "	136	1239	0	9·8	136·704132	240,599·27 $\frac{2}{2}$
23 "	142	1615	1	9·7	142·917956	251,535·602 $\frac{7}{7}$
24 "	149	231	2	9·6	149·131780	262,471·9 $\frac{3}{3}$
25 "	155	608	0	9·5	155·345604	273,408·263 $\frac{8}{8}$
26 "	161	984	1	9·4	161·559429	284,344·59 $\frac{4}{4}$
27 "	167	1360	2	9·3	167·773253	295,280·925
28 "	173	1737	0	9·2	173·987077	306,217·2 $\frac{5}{5}$
29 "	180	353	1	9·1	180·200901	317,153·586 $\frac{1}{1}$
30 "	186	729	2	9·0	186·414725	328,089·91 $\frac{6}{6}$
31 "	192	1106	0	8·9	192·628550	339,026·247 $\frac{2}{2}$
32 "	198	1482	1	8·8	198·842374	349,962·5 $\frac{7}{7}$
33 "	205	98	2	8·7	205·056198	360,898·908 $\frac{3}{3}$
34 "	211	475	0	8·6	211·270022	371,835·23 $\frac{8}{8}$
35 "	217	851	1	8·5	217·483846	382,771·569 $\frac{4}{4}$
36 "	223	1227	2	8·4	223·697670	393,707·9
37 "	229	1604	0	8·3	229·911495	404,644·230 $\frac{5}{5}$

MEASURES OF LENGTH.

II.—Metric Measure converted into Long Measure.

	Miles.	Yards.	Feet.	Inches. decimals.		OR THUS Miles. decimals.		OR THUS Yards. decimals.	
38 Myriametres,	236	220	1	8	2	236.125319		415,580.561	
39 "	242	596	2	8	1	242.339143		426,516.8916	
40 "	248	973	0	8	0	248.552967		437,453.2	
41 "	254	1349	1	7	9	254.766791		448,389.5527	
42 "	260	1725	2	7	8	260.980616		459,325.883	
43 "	267	342	0	7	7	267.194440		470,262.2138	
44 "	273	718	1	7	6	273.408264		481,198.54	
45 "	279	1094	2	7	5	279.622088		492,134.875	
46 "	285	1471	0	7	4	285.835912		503,071.205	
47 "	292	87	1	7	3	292.049736		514,007.5361	
48 "	298	463	2	7	2	298.263561		524,943.86	
49 "	304	840	0	7	1	304.477384		535,880.1972	
50 "	310	1216	1	7	0	310.691209		546,816.527	
51 "	316	1592	2	6	9	316.905033		557,752.8583	
52 "	323	209	0	6	8	323.118857		568,689.18	
53 "	329	585	1	6	7	329.332682		579,625.5194	
54 "	335	961	2	6	6	335.546506		590,561.85	
55 "	341	1338	0	6	5	341.760330		601,498.1805	
56 "	347	1714	1	6	4	347.974154		612,434.51	
57 "	354	330	2	6	3	354.187978		623,370.8416	
58 "	360	707	0	6	2	360.401802		634,307.172	
59 "	366	1083	1	6	1	366.615627		645,243.5027	
60 "	372	1459	2	6	0	372.829451		656,179.83	
61 "	379	76	0	5	9	379.043275		667,116.1638	
62 "	385	452	1	5	8	385.257099		678,052.494	
63 "	391	828	2	5	7	391.470923		688,988.825	
64 "	397	1205	0	5	6	397.684748		699,925.15	
65 "	403	1581	1	5	5	403.898572		710,861.4861	
66 "	410	197	2	5	4	410.112396		721,797.816	
67 "	416	574	0	5	3	416.326220		732,734.1472	
68 "	422	950	1	5	2	422.540044		743,670.47	
69 "	428	1326	2	5	1	428.753868		754,606.8083	
70 "	434	1703	0	5	0	434.967693		765,543.138	
71 "	441	319	1	4	9	441.181517		776,479.4694	
72 "	447	695	2	4	8	447.395341		787,415.8	
73 "	453	1072	0	4	7	453.609165		798,352.1305	
74 "	459	1448	1	4	6	459.822989		809,288.461	
75 "	466	64	2	4	5	466.036813		820,224.7916	
76 "	472	441	0	4	4	472.250638		831,161.12	
77 "	478	817	1	4	3	478.464462		842,097.4527	
78 "	484	1193	2	4	2	484.678286		853,033.783	
79 "	490	1570	0	4	1	490.892110		863,970.1138	
80 "	497	186	1	4	0	497.105934		874,906.4	
81 "	503	562	2	3	9	503.319759		885,842.775	
82 "	509	939	0	3	8	509.533583		896,779.105	
83 "	515	1315	1	3	7	515.747407		907,715.4361	
84 "	521	1691	2	3	6	521.961231		918,651.76	
85 "	528	308	0	3	5	528.175055		929,588.0972	
86 "	534	684	1	3	4	534.388879		940,524.427	
87 "	540	1060	2	3	3	540.602704		951,460.7583	

MEASURES OF LENGTH.

II.—Metric Measure converted into Long Measure.

	Miles.	Yards.	Feet.	Inches.	decimals.	OR THUS		OR THUS	
						Miles.	decimals.	Yards.	decimals.
88 Myriametres, .	546	1437	0	3	2	546·816528		962,397·08	
89 " . .	553	53	1	3	1	553·030352		973,333·4194	
90 " . .	559	429	2	3	0	559·244176		984,269·75	
91 " . .	565	806	0	2	9	565·458000		995,206·0805	
92 " . .	571	1182	1	2	8	571·671825		1,006,142·41	
93 " . .	577	1558	2	2	7	577·885649		1,017,078·7416	
94 " . .	584	175	0	2	6	584·099473		1,028,015·072	
95 " . .	590	551	1	2	5	590·313297		1,038,951·4027	
96 " . .	596	927	2	2	4	596·527121		1,049,887·73	
97 " . .	602	1304	0	2	3	602·740945		1,060,824·0638	
98 " . .	608	1680	1	2	2	608·954770		1,071,760·394	
99 " . .	615	296	2	2	1	615·168594		1,082,696·725	
100 " . .	621	673	0	2	0	621·382418		1,093,633·05	
200 " . .	1,242	1346	0	4		1,242·76484		2,187,266·1	
300 " . .	1,864	259	0	6		1,864·14725		3,280,899·16	
400 " . .	2,485	932	0	8		2,485·52967		4,374,532·2	
500 " . .	3,106	1605	0	10		3,106·91209		5,468,165·27	
600 " . .	3,728	518	1	0		3,728·29451		6,561,798·3	
700 " . .	4,349	1191	1	2		4,349·67693		7,655,431·38	
800 " . .	4,971	104	1	4		4,971·05934		8,749,064·4	
900 " . .	5,592	777	1	6		5,592·44176		9,842,697·5	
1,000 " . .	6,213	1450	1	8		6,213·82418		10,936,330·5	
2,000 " . .	12,427	1141	0	4		12,427·64836		21,872,661·1	
3,000 " . .	18,641	831	2	0		18,641·47254		32,808,991·6	
4,000 " . .	24,855	522	0	8		24,855·29672		43,745,322·2	
5,000 " . .	31,069	212	2	4		31,069·12090		54,681,652·7	
6,000 " . .	37,282	1663	1	0		37,282·94508		65,617,983·3	
7,000 " . .	43,496	1353	2	8		43,496·76926		76,554,313·8	
8,000 " . .	49,710	1044	1	4		49,710·59343		87,490,644·4	
9,000 " . .	55,924	735	0	0		55,924·41761		98,426,975	
10,000 " . .	62,138	425	1	8		62,138·2418		109,363,305·5	
11,000 " . .	68,352	116	0	4		68,352·0660		120,299,636·1	
12,000 " . .	74,565	1566	2	0		74,565·8902		131,235,966·6	
13,000 " . .	80,779	1257	0	8		80,779·7144		142,172,297·2	
14,000 " . .	86,993	947	2	4		86,993·5386		153,108,627·7	
15,000 " . .	93,207	638	1	0		93,207·3627		164,044,958·3	
16,000 " . .	99,421	328	2	8		99,421·1869		174,981,288·8	
17,000 " . .	105,635	19	1	4		105,635·0111		185,917,619·4	
18,000 " . .	111,848	1470	0	0		111,848·8353		196,853,950	
19,000 " . .	118,062	1160	1	8		118,062·6595		207,790,280·5	
20,000 " . .	124,276	851	0	4		124,276·4837		218,726,611·1	
21,000 " . .	130,490	541	2	0		130,490·3079		229,662,941·6	
22,000 " . .	136,704	232	0	8		136,704·1321		240,599,272·2	
23,000 " . .	142,917	1682	2	4		142,917·9563		251,535,602·7	
24,000 " . .	149,131	1373	1	0		149,131·7804		262,471,933·3	
25,000 " . .	155,345	1063	2	8		155,345·6046		273,408,263·8	
26,000 " . .	161,559	754	1	4		161,559·4288		284,344,594·4	
27,000 " . .	167,773	445	0	0		167,773·2530		295,280,925	
28,000 " . .	173,987	135	1	8		173,987·0772		306,217,255·5	
29,000 " . .	180,200	1586	0	4		180,200·9014		317,153,586·1	

MEASURES OF LENGTH.

III.—Cloth Measure converted into Metric.

	Metres.	Deci- metres.	Centi- metres.	MILLI- metres.	dec.		Metres.	Deci- metres.	Centi- metres.	MILLI- metres.	dec.
1 inch . . . . .	...	...	2	5	· 400	14 yards .	12	8	0	1	· 37
2 " . . . . .	...	...	5	0	· 799	15 " .	13	7	1	5	· 75
2½ " or 1 nail . . . . .	...	...	5	7	· 149	16 " .	14	6	3	0	· 14
2 nails . . . . .	...	1	1	4	· 298	17 " .	15	5	4	4	· 52
3 " . . . . .	...	1	7	1	· 447	18 " .	16	4	5	8	· 90
4 " or 1 quarter . . . . .	...	2	2	8	· 596	19 " .	17	3	7	3	· 29
2 quarters . . . . .	...	4	5	7	· 192	20 " .	18	2	8	7	· 67
3 " . . . . .	...	6	8	5	· 788	21 " .	19	2	0	2	· 05
4 " or 1 yard . . . . .	...	9	1	4	· 383	22 " .	20	1	1	6	· 44
5 " or 1 ell	1	1	4	2	· 979	23 " .	21	0	3	0	· 82
2 "	2	2	8	5	· 959	24 " .	21	9	4	5	· 20
3 "	3	4	2	8	· 938	25 " .	22	8	5	9	· 59
4 "	4	5	7	1	· 917	26 " .	23	7	7	3	· 97
5 "	5	7	1	4	· 897	27 " .	24	6	8	8	· 35
6 "	6	8	5	7	· 876	28 " .	25	6	0	2	· 74
7 "	8	0	0	0	· 855	29 " .	26	5	1	7	· 12
8 "	9	1	4	3	· 835	30 " .	27	4	3	1	· 50
9 "	10	2	8	6	· 814	31 " .	28	3	4	5	· 89
10 "	11	4	2	9	· 794	32 " .	29	2	6	0	· 27
20 "	22	8	5	9	· 587	33 " .	30	1	7	4	· 65
30 "	34	2	8	9	· 381	34 " .	31	0	8	9	· 04
40 "	45	7	1	9	· 174	35 " .	32	0	0	3	· 42
50 "	57	1	4	8	· 968	36 " .	32	9	1	7	· 81
60 "	68	5	7	8	· 761	37 " .	33	8	3	2	· 19
70 "	80	0	0	8	· 555	38 " .	34	7	4	6	· 57
80 "	91	4	3	8	· 348	39 " .	35	6	6	0	· 96
90 "	102	8	6	8	· 142	40 " .	36	5	7	5	· 34
100 "	114	2	9	7	· 935	41 " .	37	4	8	9	· 72
200 "	228	5	9	5	· 87	42 " .	38	4	0	4	· 11
300 "	342	8	9	3	· 81	43 " .	39	3	1	8	· 49
400 "	457	1	9	1	· 74	44 " .	40	2	3	2	· 87
500 "	571	4	8	9	· 68	45 " .	41	1	4	7	· 26
600 "	685	7	8	7	· 61	46 " .	42	0	6	1	· 64
700 "	800	0	8	5	· 55	47 " .	42	9	7	6	· 02
800 "	914	3	8	3	· 48	48 " .	43	8	9	0	· 41
900 "	1028	6	8	1	· 42	49 " .	44	8	0	4	· 79
1000 "	1142	9	7	9	· 35	50 " .	45	7	1	9	· 17
1 yard . . . . .	...	9	1	4	· 38	51 " .	46	6	3	3	· 56
2 "	1	8	2	8	· 77	52 " .	47	5	4	7	· 94
3 "	2	7	4	3	· 15	53 " .	48	4	6	2	· 32
4 "	3	6	5	7	· 53	54 " .	49	3	7	6	· 71
5 "	4	5	7	1	· 92	55 " .	50	2	9	1	· 09
6 "	5	4	8	6	· 30	56 " .	51	2	0	5	· 47
7 "	6	4	0	0	· 68	57 " .	52	1	1	9	· 86
8 "	7	3	1	5	· 07	58 " .	53	0	3	4	· 24
9 "	8	2	2	9	· 45	59 " .	53	9	4	8	· 63
10 "	9	1	4	3	· 83	60 " .	54	8	6	3	· 01
11 "	10	0	5	8	· 22	61 " .	55	7	7	7	· 39
12 "	10	9	7	2	· 60	62 " .	56	6	9	1	· 78
13 "	11	8	8	6	· 99	63 " .	57	6	0	6	· 16

MEASURES OF LENGTH.

III.—Cloth Measure converted into Metric.

	Metres.	Deci- metres.	Centi- metres.	MILLI- metres.	dec.		Metres.	Deci- metres.	Centi- metres.	MILLI- metres.	dec.
64 yards . .	58	5	2	0	· 54	115 yards .	105	1	5	4	· 10
65 „ . .	59	4	3	4	· 93	116 „ .	106	0	6	8	· 48
66 „ . .	60	3	4	9	· 31	117 „ .	106	9	8	2	· 87
67 „ . .	61	2	6	3	· 69	118 „ .	107	8	9	7	· 25
68 „ . .	62	1	7	8	· 08	119 „ .	108	8	1	1	· 63
69 „ . .	63	0	9	2	· 46	120 „ .	109	7	2	6	· 02
70 „ . .	64	0	0	6	· 84	121 „ .	110	6	4	0	· 40
71 „ . .	64	9	2	1	· 23	122 „ .	111	5	5	4	· 78
72 „ . .	65	8	3	5	· 61	123 „ .	112	4	6	9	· 17
73 „ . .	66	7	4	9	· 99	124 „ .	113	3	8	3	· 55
74 „ . .	67	6	6	4	· 38	125 „ .	114	2	9	7	· 94
75 „ . .	68	5	7	8	· 76	126 „ .	115	2	1	2	· 32
76 „ . .	69	4	9	3	· 14	127 „ .	116	1	2	6	· 70
77 „ . .	70	4	0	7	· 53	128 „ .	117	0	4	1	· 09
78 „ . .	71	3	2	1	· 91	129 „ .	117	9	5	5	· 47
79 „ . .	72	2	3	6	· 30	130 „ .	118	8	6	9	· 85
80 „ . .	73	1	5	0	· 68	131 „ .	119	7	8	4	· 24
81 „ . .	74	0	6	5	· 06	132 „ .	120	6	9	8	· 62
82 „ . .	74	9	7	9	· 45	133 „ .	121	6	1	3	· 00
83 „ . .	75	8	9	3	· 83	134 „ .	122	5	2	7	· 39
84 „ . .	76	8	0	8	· 21	135 „ .	123	4	4	1	· 77
85 „ . .	77	7	2	2	· 60	136 „ .	124	3	5	6	· 15
86 „ . .	78	6	3	6	· 98	137 „ .	125	2	7	0	· 54
87 „ . .	79	5	5	1	· 36	138 „ .	126	1	8	4	· 92
88 „ . .	80	4	6	5	· 75	139 „ .	127	0	9	9	· 30
89 „ . .	81	3	8	0	· 13	140 „ .	128	0	1	3	· 69
90 „ . .	82	2	9	4	· 51	141 „ .	128	9	2	8	· 07
91 „ . .	83	2	0	8	· 90	142 „ .	129	8	4	2	· 45
92 „ . .	84	1	2	3	· 28	143 „ .	130	7	5	6	· 84
93 „ . .	85	0	3	7	· 66	144 „ .	131	6	7	1	· 22
94 „ . .	85	9	5	2	· 05	145 „ .	132	5	8	5	· 60
95 „ . .	86	8	6	6	· 43	146 „ .	133	4	9	9	· 99
96 „ . .	87	7	8	0	· 81	147 „ .	134	4	1	4	· 37
97 „ . .	88	6	9	5	· 20	148 „ .	135	3	2	8	· 76
98 „ . .	89	6	0	9	· 58	149 „ .	136	2	4	3	· 14
99 „ . .	90	5	2	3	· 96	150 „ .	137	1	5	7	· 52
100 „ . .	91	4	3	8	· 35	200 „ .	182	8	7	6	· 70
101 „ . .	92	3	5	2	· 73	300 „ .	274	3	1	5	· 04
102 „ . .	93	2	6	7	· 12	400 „ .	365	7	5	3	· 39
103 „ . .	94	1	8	1	· 50	500 „ .	457	1	9	1	· 74
104 „ . .	95	0	9	5	· 88	600 „ .	548	6	3	0	· 09
105 „ . .	96	0	1	0	· 27	700 „ .	640	0	6	8	· 44
106 „ . .	96	9	2	4	· 65	800 „ .	731	5	0	6	· 78
107 „ . .	97	8	3	9	· 03	900 „ .	822	9	4	5	· 13
108 „ . .	98	7	5	3	· 42	1,000 „ .	914	3	8	3	· 48
109 „ . .	99	6	6	7	· 80	2,000 „ .	1,828	7	6	6	· 96
110 „ . .	100	5	8	2	· 18	3,000 „ .	2,743	1	5	0	· 44
111 „ . .	101	4	9	6	· 57	4,000 „ .	3,657	5	3	3	· 92
112 „ . .	102	4	1	0	· 95	5,000 „ .	4,571	9	1	7	· 40
113 „ . .	103	3	2	5	· 33	6,000 „ .	5,486	3	0	0	· 88
114 „ . .	104	2	3	9	· 72	7,000 „ .	6,400	6	8	4	· 36

MEASURES OF LENGTH.

IV.—Metric Measure converted into Cloth Measure.

	Yards.	Qrs.	Nails.	Inches.		OR THUS		OR THUS		
				decimals.	Yards.	decimals.	Ells.	qrs.	decimals.	
1 Centimetre, . . .	...	...	...	0	394	0.010936	...	0	0.4374532
2 " . . .	...	...	...	0	787	0.021873	...	0	0.8749064
3 " . . .	...	...	...	1	181	0.032809	...	0	0.13123596
4 " . . .	...	...	...	1	575	0.043745	...	0	0.17498128
5 " . . .	...	...	...	1	969	0.054682	...	0	0.21872661
6 " . . .	...	...	1	0	112	0.065618	...	0	0.26247193
7 " . . .	...	...	1	0	506	0.076554	...	0	0.30621725
8 " . . .	...	...	1	0	900	0.087491	...	0	0.34996257
9 " . . .	...	...	1	1	293	0.098427	...	0	0.3937079
1 Decimetre, . . .	...	...	1	1	687	0.109363	...	0	0.4374532
2 " . . .	...	...	3	1	124	0.218727	...	0	0.8749064
3 " . . .	...	1	1	0	561	0.328090	...	1	0.3123596
4 " . . .	...	1	2	2	248	0.437453	...	1	0.7498128
5 " . . .	...	2	0	1	685	0.546817	...	2	0.1872661
6 " . . .	...	2	2	1	123	0.656180	...	2	0.6247193
7 " . . .	...	3	0	0	560	0.765543	...	3	0.0621725
8 " . . .	...	3	1	2	247	0.874906	...	3	0.4996257
9 " . . .	...	3	3	1	684	0.984270	...	3	0.937079
1 Metre, . . .	1	0	1	1	121	1.093633	...	4	0.374532	
2 " . . .	2	0	2	2	242	2.187266	1	3	0.749064	
3 " . . .	3	1	0	1	112	3.280899	2	3	0.123596	
4 " . . .	4	1	1	2	233	4.374532	3	2	0.498128	
5 " . . .	5	1	3	1	104	5.468165	4	1	0.872661	
6 " . . .	6	2	0	2	225	6.561798	5	1	0.247193	
7 " . . .	7	2	2	1	096	7.655431	6	0	0.621725	
8 " . . .	8	2	3	2	216	8.749064	6	4	0.996257	
9 " . . .	9	3	1	1	087	9.842698	7	4	0.37079	
10 " . . .	10	3	2	2	208	10.936331	8	3	0.74532	
11 " . . .	12	0	0	1	079	12.029964	9	3	0.119854	
12 " . . .	13	0	1	2	199	13.123597	10	2	0.494386	
13 " . . .	14	0	3	1	070	14.217230	11	1	0.868918	
14 " . . .	15	0	0	2	191	15.310863	12	1	0.243451	
15 " . . .	16	1	2	1	062	16.404496	13	0	0.617983	
16 " . . .	17	1	3	2	183	17.498129	13	4	0.992515	
17 " . . .	18	2	1	1	053	18.591762	14	4	0.367047	
18 " . . .	19	2	2	2	174	19.685395	15	3	0.74158	
19 " . . .	20	3	0	1	045	20.779028	16	3	0.116112	
20 " . . .	21	3	1	2	166	21.872661	17	2	0.49064	
21 " . . .	22	3	3	1	037	22.966294	18	1	0.865176	
22 " . . .	24	0	0	2	157	24.059927	19	1	0.239708	
23 " . . .	25	0	2	1	028	25.153560	20	0	0.614241	
24 " . . .	26	0	3	2	149	26.247193	20	4	0.988773	
25 " . . .	27	1	1	1	020	27.340826	21	4	0.363305	
26 " . . .	28	1	2	2	141	28.434459	22	3	0.737837	
27 " . . .	29	2	0	1	011	29.528093	23	3	0.11237	
28 " . . .	30	2	1	2	132	30.621725	24	2	0.486902	
29 " . . .	31	2	3	1	003	31.715359	25	1	0.861434	
30 " . . .	32	3	0	2	124	32.808992	26	1	0.23596	
31 " . . .	33	3	2	0	994	33.902625	27	0	0.610498	
32 " . . .	34	3	3	2	115	34.996258	27	4	0.985031	

MEASURES OF LENGTH.

IV.—Metric Measure converted into Cloth Measure.

	Yards.	Qrs.	Nails.	Inches. decimals.	OR THUS		OR THUS		
					Yards.	decimals.	Ells.	qrs.	decimals.
33 Metres,	36	0	1	0 . 986	36 . 089891	28	4 . 35956 $\frac{3}{4}$		
34 "	37	0	2	2 . 107	37 . 183524	29	3 . 73409 $\frac{5}{8}$		
35 "	38	1	0	0 . 978	38 . 277157	30	3 . 10862 $\frac{7}{8}$		
36 "	39	1	1	2 . 098	39 . 370790	31	2 . 48316		
37 "	40	1	3	0 . 969	40 . 464423	32	1 . 85769 $\frac{2}{8}$		
38 "	41	2	0	2 . 090	41 . 558056	33	1 . 23222 $\frac{4}{8}$		
39 "	42	2	2	0 . 961	42 . 651689	34	0 . 60675 $\frac{6}{8}$		
40 "	43	2	3	2 . 082	43 . 745322	34	4 . 9812 $\frac{8}{8}$		
41 "	44	3	1	0 . 952	44 . 838955	35	4 . 35582 $\frac{1}{8}$		
42 "	45	3	2	2 . 073	45 . 932588	36	3 . 73035 $\frac{3}{8}$		
43 "	47	0	0	0 . 944	47 . 026221	37	3 . 10488 $\frac{5}{8}$		
44 "	48	0	1	2 . 065	48 . 119854	38	2 . 47941 $\frac{7}{8}$		
45 "	49	0	3	0 . 936	49 . 213488	39	1 . 85395		
46 "	50	1	0	2 . 056	50 . 307121	40	1 . 22848 $\frac{2}{8}$		
47 "	51	1	2	0 . 927	51 . 400754	41	0 . 60301 $\frac{4}{8}$		
48 "	52	1	3	2 . 048	52 . 494387	41	4 . 97754 $\frac{6}{8}$		
49 "	53	2	1	0 . 919	53 . 588020	42	4 . 35207 $\frac{8}{8}$		
50 "	54	2	2	2 . 040	54 . 681653	43	3 . 7266 $\frac{1}{8}$		
51 "	55	3	0	0 . 910	55 . 775286	44	3 . 10114 $\frac{3}{8}$		
52 "	56	3	1	2 . 031	56 . 868919	45	2 . 47567 $\frac{5}{8}$		
53 "	57	3	3	0 . 902	57 . 962552	46	1 . 85020 $\frac{7}{8}$		
54 "	59	0	0	2 . 023	59 . 056185	47	1 . 22474		
55 "	60	0	2	0 . 893	60 . 149818	48	0 . 59927 $\frac{2}{8}$		
56 "	61	0	3	2 . 014	61 . 243451	48	4 . 97380 $\frac{4}{8}$		
57 "	62	1	1	0 . 885	62 . 337084	49	4 . 34833 $\frac{6}{8}$		
58 "	63	1	2	2 . 006	63 . 430717	50	3 . 72286 $\frac{8}{8}$		
59 "	64	2	0	0 . 877	64 . 524350	51	3 . 09740 $\frac{1}{8}$		
60 "	65	2	1	1 . 997	65 . 617983	52	2 . 4719 $\frac{3}{8}$		
61 "	66	2	3	0 . 868	66 . 711616	53	1 . 84646 $\frac{5}{8}$		
62 "	67	3	0	1 . 989	67 . 805249	54	1 . 22099 $\frac{7}{8}$		
63 "	68	3	2	0 . 860	68 . 898883	55	0 . 59553		
64 "	69	3	3	1 . 981	69 . 992516	55	4 . 97006 $\frac{2}{8}$		
65 "	71	0	1	0 . 851	71 . 086149	56	4 . 34459 $\frac{4}{8}$		
66 "	72	0	2	1 . 972	72 . 179782	57	3 . 71912 $\frac{6}{8}$		
67 "	73	1	0	0 . 843	73 . 273415	58	3 . 09365 $\frac{8}{8}$		
68 "	74	1	1	1 . 964	74 . 367048	59	2 . 46819 $\frac{1}{8}$		
69 "	75	1	3	0 . 835	75 . 460681	60	1 . 84272 $\frac{3}{8}$		
70 "	76	2	0	1 . 955	76 . 554314	61	1 . 2172 $\frac{5}{8}$		
71 "	77	2	2	0 . 826	77 . 647947	62	0 . 59178 $\frac{7}{8}$		
72 "	78	2	3	1 . 947	78 . 741580	62	4 . 96632		
73 "	79	3	1	0 . 818	79 . 835213	63	4 . 34085 $\frac{2}{8}$		
74 "	80	3	2	1 . 938	80 . 928846	64	3 . 71538 $\frac{4}{8}$		
75 "	82	0	0	0 . 809	82 . 022479	65	3 . 08991 $\frac{6}{8}$		
76 "	83	0	1	1 . 930	83 . 116112	66	2 . 46444 $\frac{8}{8}$		
77 "	84	0	3	0 . 801	84 . 209745	67	1 . 83898 $\frac{1}{8}$		
78 "	85	1	0	1 . 922	85 . 303378	68	1 . 21351 $\frac{3}{8}$		
79 "	86	1	2	0 . 792	86 . 397011	69	0 . 58804 $\frac{5}{8}$		
80 "	87	1	3	1 . 913	87 . 490644	69	4 . 9625 $\frac{7}{8}$		
81 "	88	2	1	0 . 784	88 . 584278	70	4 . 33711		
82 "	89	2	2	1 . 905	89 . 677911	71	3 . 71164 $\frac{2}{8}$		

MEASURES OF LENGTH.

IV.—Metric Measure converted into Cloth Measure.

	Yards.	Qrs.	Nails.	Inches. decimals.		OR THUS		OR THUS		
				Yards.	decimals.	Yards.	decimals.	Ells.	qrs.	decimals.
83 Metres, . . .	90	3	0	0	776	90	771544	72	3	086174
84 " . . .	91	3	1	1	896	91	865177	73	2	460706
85 " . . .	92	3	3	0	767	92	958810	74	1	835238
86 " . . .	94	0	0	1	888	94	052443	75	1	209771
87 " . . .	95	0	2	0	759	95	146076	76	0	584303
88 " . . .	96	0	3	1	880	96	239709	76	4	958835
89 " . . .	97	1	1	0	750	97	333342	77	4	333367
90 " . . .	98	1	2	1	871	98	426975	78	3	7079
91 " . . .	99	2	0	0	742	99	520608	79	3	082432
92 " . . .	100	2	1	1	863	100	614241	80	2	456964
93 " . . .	101	2	3	0	733	101	707874	81	1	831496
94 " . . .	102	3	0	1	854	102	801507	82	1	206028
95 " . . .	103	3	2	0	725	103	895140	83	0	580561
96 " . . .	104	3	3	1	846	104	988773	83	4	955098
97 " . . .	106	0	1	0	717	106	082406	84	4	329625
98 " . . .	107	0	2	1	837	107	176039	85	3	704157
99 " . . .	108	1	0	0	708	108	269673	86	3	07869
100 " . . .	109	1	1	1	829	109	363306	87	2	4532
101 " . . .	110	1	3	0	700	110	456939	88	1	827754
102 " . . .	111	2	0	1	821	111	550572	89	1	202286
103 " . . .	112	2	2	0	691	112	644205	90	0	576818
104 " . . .	113	2	3	1	812	113	737838	90	4	951351
105 " . . .	114	3	1	0	683	114	831471	91	4	325888
106 " . . .	115	3	2	1	804	115	925104	92	3	700415
107 " . . .	117	0	0	0	675	117	018737	93	3	074947
108 " . . .	118	0	1	1	795	118	112370	94	2	44948
109 " . . .	119	0	3	0	666	119	206003	95	1	824012
110 " . . .	120	1	0	1	787	120	299636	96	1	19854
111 " . . .	121	1	2	0	658	121	393269	97	0	573076
112 " . . .	122	1	3	1	778	122	486902	97	4	947608
113 " . . .	123	2	1	0	649	123	580535	98	4	322141
114 " . . .	124	2	2	1	770	124	674168	99	3	696673
115 " . . .	125	3	0	0	641	125	767801	100	3	071205
116 " . . .	126	3	1	1	762	126	861434	101	2	445737
117 " . . .	127	3	3	0	632	127	955068	102	1	82027
118 " . . .	129	0	0	1	753	129	048701	103	1	194802
119 " . . .	130	0	2	0	624	130	142334	104	0	569334
120 " . . .	131	0	3	1	745	131	235967	104	4	94386
200 " . . .	218	2	3	1	408	218	72661	174	4	9064
300 " . . .	328	0	1	0	987	328	089916	262	2	3596
400 " . . .	437	1	3	0	566	437	4532	349	4	8128
500 " . . .	546	3	1	0	145	546	816527	437	2	2661
600 " . . .	656	0	2	1	974	656	17988	524	4	7198
700 " . . .	765	2	0	1	553	765	543138	612	2	1725
800 " . . .	874	3	2	1	132	874	9064	699	4	6257
900 " . . .	984	1	0	0	711	984	26975	787	2	079
1,000 " . . .	1,093	2	2	0	290	1,093	63305	874	4	532
2,000 " . . .	2,187	1	0	0	58	2,187	2661	1,749	4	064
3,000 " . . .	3,280	3	2	0	87	3,280	89916	2,624	3	596
4,000 " . . .	4,374	2	0	1	16	4,374	532	3,499	3	128

SUPERFICIAL MEASURES

OR

MEASURES OF SURFACE.

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MEASURES OF SURFACE.

I.—Square Measure converted into Metric.

	Hect-ares.	Dek-ares.	Ares.	Centi-ares.	decimals.		Hect-ares.	Dek-ares.	Ares.	Centi-ares.	dec.
1 sq. inch,	0	0006451	80 sq. yards,	...	...	...	66	8878
1 sq. foot,	0	0928997	90 "	...	...	...	75	2487
2 "	0	1857994	100 "	...	...	...	83	6097
3 "	0	2786991	200 "	...	...	1	67	2194
4 "	0	3715987	300 "	...	...	2	50	8291
5 "	0	4644984	400 "	...	...	3	34	4389
6 "	0	5573981	500 "	...	...	4	18	0486
7 "	0	6502978	600 "	...	...	5	01	6583
8 "	0	7431975	700 "	...	...	5	85	2680
9 "	0	8360972	800 "	...	...	6	68	8777
10 "	0	928997	900 "	...	...	7	52	4874
20 "	1	857994	1,000 "	...	...	8	36	097
30 "	2	786991	2,000 "	...	1	6	72	194
40 "	3	715987	3,000 "	...	2	5	08	291
50 "	4	644984	4,000 "	...	3	3	44	389
60 "	5	573981	4,840 "	or 1 acre,	4	0	46	710
70 "	6	502978	2 acres,	...	8	0	93	420
80 "	7	431975	3 "	...	1	2	1	40 131
90 "	8	360972	4 "	...	1	6	1	86 841
100 "	9	289968	5 "	...	2	0	2	33 551
1 sq. yard,	0	83610	6 "	...	2	4	2	80 261
2 "	1	67219	7 "	...	2	8	3	26 971
3 "	2	50829	8 "	...	3	2	3	73 682
4 "	3	34439	9 "	...	3	6	4	20 392
5 "	4	18049	10 "	...	4	0	4	67 102
6 "	5	01658	11 "	...	4	4	5	13 812
7 "	5	85268	12 "	...	4	8	5	60 522
8 "	6	68878	13 "	...	5	2	6	07 233
9 "	6	68878	14 "	...	5	6	6	53 943
10 "	7	52487	15 "	...	6	0	7	00 653
20 "	8	36097	16 "	...	6	4	7	47 363
30 "	16	7219	17 "	...	6	8	7	94 074
30 1/2 "	or 1 perch,	...	...	25	0829	18 "	...	7	2	8	40 784
2 "	25	2919	19 "	...	7	6	8	87 494
3 "	50	5839	20 "	...	8	0	9	34 204
4 "	75	8758	21 "	...	8	4	9	80 914
5 "	1	01	1678	22 "	...	8	9	0	27 625
6 "	1	26	4597	23 "	...	9	3	0	74 335
7 "	1	51	7516	24 "	...	9	7	1	21 045
8 "	1	77	0436	25 "	...	10	1	1	67 755
9 "	2	02	3355	26 "	...	10	5	2	14 465
10 "	2	27	6274	27 "	...	10	9	2	61 176
20 "	2	52	9194	28 "	...	11	3	3	07 886
30 "	5	05	8388	29 "	...	11	7	3	54 596
1 rood,	...	1	0	11	6776	30 "	...	12	1	4	01 306
2 "	...	2	0	23	3551	31 "	...	12	5	4	48 016
3 "	...	3	0	35	0327	32 "	...	12	9	4	94 727
40 sq. yards,	33	4439	33 "	...	13	3	5	41 437
50 "	41	8049	34 "	...	13	7	5	88 147
60 "	50	1658	35 "	...	14	1	6	34 857
70 "	58	5268	36 "	...	14	5	6	81 567

MEASURES OF SURFACE.

I.—Square Measure converted into Metric.

	Hect-ares.	Dek-ares.	Ares.	Centi-ares.	dec.		Hect-ares.	Dek-ares.	Ares.	Centi-ares.	dec.
37 acres,	14	9	7	28	278	88 acres,	35	6	1	10	498
38 "	15	3	7	74	988	89 "	36	0	1	57	208
39 "	15	7	8	21	698	90 "	36	4	2	03	919
40 "	16	1	8	68	408	91 "	36	8	2	50	629
41 "	16	5	9	15	118	92 "	37	2	2	97	339
42 "	16	9	9	61	829	93 "	37	6	3	44	049
43 "	17	4	0	08	539	94 "	38	0	3	90	759
44 "	17	8	0	55	249	95 "	38	4	4	37	470
45 "	18	2	1	01	959	96 "	38	8	4	84	180
46 "	18	6	1	48	669	97 "	39	2	5	30	890
47 "	19	0	1	95	380	98 "	39	6	5	77	600
48 "	19	4	2	42	090	99 "	40	0	6	24	310
49 "	19	8	2	88	800	100 "	40	4	6	71	021
50 "	20	2	3	35	510	200 "	80	9	3	42	041
51 "	20	6	3	82	221	300 "	121	4	0	13	062
52 "	21	0	4	28	931	400 "	161	8	6	84	082
53 "	21	4	4	75	641	500 "	202	3	3	55	103
54 "	21	8	5	22	351	600 "	242	8	0	26	124
55 "	22	2	5	69	061	700 "	283	2	6	97	144
56 "	22	6	6	15	772	800 "	323	7	3	68	165
57 "	23	0	6	62	482	900 "	364	2	0	39	185
58 "	23	4	7	09	192	1,000 "	404	6	7	10	206
59 "	23	8	7	55	902	2,000 "	809	3	4	20	41
60 "	24	2	8	02	612	3,000 "	1,214	0	1	30	62
61 "	24	6	8	49	323	4,000 "	1,618	6	8	40	82
62 "	25	0	8	96	033	5,000 "	2,023	3	5	51	03
63 "	25	4	9	42	743	6,000 "	2,428	0	2	61	24
64 "	25	8	9	89	453	7,000 "	2,832	6	9	71	44
65 "	26	3	0	36	163	8,000 "	3,237	3	6	81	65
66 "	26	7	0	82	874	9,000 "	3,642	0	3	91	85
67 "	27	1	1	29	584	10,000 "	4,046	7	1	02	1
68 "	27	5	1	76	294	1 sq. mile, or 640 acres,	258	9	8	94	5
69 "	27	9	2	23	004	2 "	517	9	7	89	1
70 "	28	3	2	69	714	3 "	776	9	6	83	6
71 "	28	7	3	16	425	4 "	1,035	9	5	78	1
72 "	29	1	3	63	135	5 "	1,294	9	4	72	7
73 "	29	5	4	09	845	6 "	1,553	9	3	67	2
74 "	29	9	4	56	555	7 "	1,812	9	2	61	7
75 "	30	3	5	03	265	8 "	2,071	9	1	56	3
76 "	30	7	5	49	976	9 "	2,330	9	0	50	8
77 "	31	1	5	96	686	10 "	2,589	8	9	45	
78 "	31	5	6	43	396	20 "	5,179	7	8	91	
79 "	31	9	6	90	106	30 "	7,769	6	8	36	
80 "	32	3	7	36	816	40 "	10,359	5	7	81	
81 "	32	7	7	83	527	50 "	12,949	4	7	27	
82 "	33	1	8	30	237	60 "	15,539	3	6	72	
83 "	33	5	8	76	947	70 "	18,129	2	6	17	
84 "	33	9	9	23	657	80 "	20,719	1	5	63	
85 "	34	3	9	70	368	90 "	23,309	0	5	08	
86 "	34	8	0	17	078	100 "	25,898	9	4	53	
87 "	35	2	0	63	788	200 "	51,797	8	9	06	

MEASURES OF SURFACE.

II.—Metric Measure converted into Square Measure.

	Square Yards.	decimals.		Square Yards.	decimals.
$\frac{1}{100}$ Centiare, or square metre	0	01196	33 Centiares, or square metres	39	46910
$\frac{1}{100}$ " " " "	0	02392	34 " " " "	40	66513
$\frac{1}{100}$ " " " "	0	03588	35 " " " "	41	86116
$\frac{1}{100}$ " " " "	0	04784	36 " " " "	43	05720
$\frac{1}{100}$ " " " "	0	05980	37 " " " "	44	25323
$\frac{1}{100}$ " " " "	0	07176	38 " " " "	45	44926
$\frac{1}{100}$ " " " "	0	08372	39 " " " "	46	64530
$\frac{1}{100}$ " " " "	0	09568	40 " " " "	47	84133
$\frac{1}{100}$ " " " "	0	10764	41 " " " "	49	03736
$\frac{1}{100}$ " " " "	0	11960	42 " " " "	50	23340
$\frac{1}{100}$ " " " "	0	23921	43 " " " "	51	42943
$\frac{1}{100}$ " " " "	0	35881	44 " " " "	52	62546
$\frac{1}{100}$ " " " "	0	47841	45 " " " "	53	82150
$\frac{1}{100}$ " " " "	0	59802	46 " " " "	55	01753
$\frac{1}{100}$ " " " "	0	71762	47 " " " "	56	21356
$\frac{1}{100}$ " " " "	0	83722	48 " " " "	57	40960
$\frac{1}{100}$ " " " "	0	95683	49 " " " "	58	60563
$\frac{1}{100}$ " " " "	1	07643	50 " " " "	59	80166
1 " " " "	1	19603	51 " " " "	60	99770
2 " " " "	2	39207	52 " " " "	62	19373
3 " " " "	3	58810	53 " " " "	63	38976
4 " " " "	4	78413	54 " " " "	64	58580
5 " " " "	5	98017	55 " " " "	65	78183
6 " " " "	7	17620	56 " " " "	66	97786
7 " " " "	8	37223	57 " " " "	68	17390
8 " " " "	9	56827	58 " " " "	69	36993
9 " " " "	10	76430	59 " " " "	70	56596
10 " " " "	11	96033	60 " " " "	71	76200
11 " " " "	13	15637	61 " " " "	72	95803
12 " " " "	14	35240	62 " " " "	74	15406
13 " " " "	15	54843	63 " " " "	75	35010
14 " " " "	16	74447	64 " " " "	76	54613
15 " " " "	17	94050	65 " " " "	77	74216
16 " " " "	19	13653	66 " " " "	78	93820
17 " " " "	20	33257	67 " " " "	80	13423
18 " " " "	21	52860	68 " " " "	81	33026
19 " " " "	22	72463	69 " " " "	82	52629
20 " " " "	23	92067	70 " " " "	83	72233
21 " " " "	25	11670	71 " " " "	84	91836
22 " " " "	26	31273	72 " " " "	86	11439
23 " " " "	27	50876	73 " " " "	87	31043
24 " " " "	28	70480	74 " " " "	88	50646
25 " " " "	29	90083	75 " " " "	89	70249
26 " " " "	31	09686	76 " " " "	90	89853
27 " " " "	32	29290	77 " " " "	92	09456
28 " " " "	33	48893	78 " " " "	93	29059
29 " " " "	34	68496	79 " " " "	94	48663
30 " " " "	35	88100	80 " " " "	95	68266
31 " " " "	37	07703	81 " " " "	96	87869
32 " " " "	38	27306	82 " " " "	98	07473

MEASURES OF SURFACE.

II.—Metric Measure converted into Square Measure.

		Acres.	Square Yards.	decimals.	OR THUS		
					Square Yards.	decimals.	
83	Centiares, . . . or	83	square metres,	...	99	27076	same.
84	"	84	" . . . . .	...	100	46679	"
85	"	85	" . . . . .	...	101	66283	"
86	"	86	" . . . . .	...	102	85886	"
87	"	87	" . . . . .	...	104	05489	"
88	"	88	" . . . . .	...	105	25093	"
89	"	89	" . . . . .	...	106	44696	"
90	"	90	" . . . . .	...	107	64299	"
91	"	91	" . . . . .	...	108	83903	"
92	"	92	" . . . . .	...	110	03506	"
93	"	93	" . . . . .	...	111	23109	"
94	"	94	" . . . . .	...	112	42713	"
95	"	95	" . . . . .	...	113	62316	"
96	"	96	" . . . . .	...	114	81919	"
97	"	97	" . . . . .	...	116	01523	"
98	"	98	" . . . . .	...	117	21126	"
99	"	99	" . . . . .	...	118	40729	"
1	Are,	100	" . . . . .	...	119	6033	"
2	"	200	" . . . . .	...	239	2067	"
3	"	300	" . . . . .	...	358	8100	"
4	"	400	" . . . . .	...	478	4133	"
5	"	500	" . . . . .	...	598	0166	"
6	"	600	" . . . . .	...	717	6200	"
7	"	700	" . . . . .	...	837	2233	"
8	"	800	" . . . . .	...	956	8266	"
9	"	900	" . . . . .	...	1076	4299	"
1	Dekare,	1,000	" . . . . .	...	1196	0333	"
2	"	2,000	" . . . . .	...	2392	0665	"
3	"	3,000	" . . . . .	...	3588	0998	"
4	"	4,000	" . . . . .	...	4784	1330	"
5	"	5,000	"	1	1140	1663	5,980 . 1663
6	"	6,000	"	1	2336	1996	7,176 . 1996
7	"	7,000	"	1	3532	2328	8,372 . 2328
8	"	8,000	"	1	4728	2661	9,568 . 2661
9	"	9,000	"	2	1084	2993	10,764 . 2993
1	Hectare,	10,000	"	2	2280	3326	11,960 . 3326
2	"	20,000	"	4	4560	6652	23,920 . 6652
3	"	30,000	"	7	2000	9978	35,880 . 9978
4	"	40,000	"	9	4281	3304	47,841 . 3304
5	"	50,000	"	12	1721	6630	59,801 . 6630
6	"	60,000	"	14	4001	9956	71,761 . 9956
7	"	70,000	"	17	1442	3282	83,722 . 3282
8	"	80,000	"	19	3722	6608	95,682 . 6608
9	"	90,000	"	22	1162	9934	107,642 . 9934
10	"	100,000	"	24	3443	3260	119,603 . 3260
11	"	110,000	"	27	883	6586	131,563 . 6586
12	"	120,000	"	29	3163	9912	143,523 . 9912
13	"	130,000	"	32	604	3238	155,484 . 3238
14	"	140,000	"	34	2884	6564	167,444 . 6564
15	"	150,000	"	37	324	9890	179,404 . 9890

MEASURES OF SURFACE.

II.—Metric Measure converted into Square Measure.

		Acres.	Square Yards.	decimals.	OR THUS	
					Square Yards.	decimals.
16	Hectares . . . or 160,000 square metres, .	39	2605	3216	191,365	3216
17	" . . . 170,000 "	42	45	6542	203,325	6542
18	" . . . 180,000 "	44	2325	9868	215,285	9868
19	" . . . 190,000 "	46	4606	3194	227,246	3194
20	" . . . 200,000 "	49	2046	6520	239,206	6520
21	" . . . 210,000 "	51	4326	9846	251,166	9846
22	" . . . 220,000 "	54	1767	3172	263,127	3172
23	" . . . 230,000 "	56	4047	6498	275,087	6498
24	" . . . 240,000 "	59	1487	9824	287,047	9824
25	" . . . 250,000 "	61	3768	3150	299,008	3150
26	" . . . 260,000 "	64	1208	6476	310,968	6476
27	" . . . 270,000 "	66	3488	9802	322,928	9802
28	" . . . 280,000 "	69	929	3128	334,889	3128
29	" . . . 290,000 "	71	3209	6454	346,849	6454
30	" . . . 300,000 "	74	649	9780	358,809	9780
31	" . . . 310,000 "	76	2930	3106	370,770	3106
32	" . . . 320,000 "	79	370	6432	382,730	6432
33	" . . . 330,000 "	81	2650	9758	394,690	9758
34	" . . . 340,000 "	84	91	3084	406,651	3084
35	" . . . 350,000 "	86	2371	6410	418,611	6410
36	" . . . 360,000 "	88	4651	9736	430,571	9736
37	" . . . 370,000 "	91	2092	3062	442,532	3062
38	" . . . 380,000 "	93	4372	6388	454,492	6388
39	" . . . 390,000 "	96	1812	9714	466,452	9714
40	" . . . 400,000 "	98	4093	3040	478,413	3040
41	" . . . 410,000 "	101	1533	6366	490,373	6366
42	" . . . 420,000 "	103	3813	9692	502,333	9692
43	" . . . 430,000 "	106	1254	3018	514,294	3018
44	" . . . 440,000 "	108	3534	6344	526,254	6344
45	" . . . 450,000 "	111	974	9670	538,214	9670
46	" . . . 460,000 "	113	3255	2996	550,175	2996
47	" . . . 470,000 "	116	695	6322	562,135	6322
48	" . . . 480,000 "	118	2975	9648	574,095	9648
49	" . . . 490,000 "	121	416	2974	586,056	2974
50	" . . . 500,000 "	123	2696	6300	598,016	6300
51	" . . . 510,000 "	126	136	9626	609,976	9626
52	" . . . 520,000 "	128	2417	2952	621,937	2952
53	" . . . 530,000 "	130	4697	6278	633,897	6278
54	" . . . 540,000 "	133	2137	9604	645,857	9604
55	" . . . 550,000 "	135	4418	2930	657,818	2930
56	" . . . 560,000 "	138	1858	6256	669,778	6256
57	" . . . 570,000 "	140	4138	9582	681,738	9582
58	" . . . 580,000 "	143	1579	2908	693,699	2908
59	" . . . 590,000 "	145	3859	6234	705,659	6234
60	" . . . 600,000 "	148	1299	9560	717,619	9560
61	" . . . 610,000 "	150	3580	2886	729,580	2886
62	" . . . 620,000 "	153	1020	6212	741,540	6212
63	" . . . 630,000 "	155	3300	9538	753,500	9538
64	" . . . 640,000 "	158	741	2864	765,461	2864
65	" . . . 650,000 "	160	3021	6190	777,421	6190

MEASURES OF SURFACE.

II.—Metric Measure converted into Square Measure.

			Acres.	Square Yards.	decimals.	OR THUS	
						Square Yards.	dec.
66 Hectares,	or	660,000 square metres,	163	461	· 9516	789,381	· 9516
67	"	670,000	165	2742	· 2842	801,342	· 2842
68	"	680,000	168	182	· 6168	813,302	· 6168
69	"	690,000	170	2462	· 9494	825,262	· 9494
70	"	700,000	172	4743	· 2820	837,223	· 2820
71	"	710,000	175	2183	· 6146	849,183	· 6146
72	"	720,000	177	4463	· 9472	861,143	· 9472
73	"	730,000	180	1904	· 2798	873,104	· 2798
74	"	740,000	182	4184	· 6124	885,064	· 6124
75	"	750,000	185	1624	· 9450	897,024	· 9450
76	"	760,000	187	3905	· 2776	908,985	· 2776
77	"	770,000	190	1345	· 6102	920,945	· 6102
78	"	780,000	192	3625	· 9428	932,905	· 9428
79	"	790,000	195	1066	· 2754	944,866	· 2754
80	"	800,000	197	3346	· 6080	956,826	· 6080
81	"	810,000	200	786	· 9406	968,786	· 9406
82	"	820,000	202	3067	· 2732	980,747	· 2732
83	"	830,000	205	507	· 6058	992,707	· 6058
84	"	840,000	207	2787	· 9384	1,004,667	· 9384
85	"	850,000	210	228	· 2710	1,016,628	· 2710
86	"	860,000	212	2508	· 6036	1,028,588	· 6036
87	"	870,000	214	4788	· 9362	1,040,548	· 9362
88	"	880,000	217	2229	· 2688	1,052,509	· 2688
89	"	890,000	219	4509	· 6014	1,064,469	· 6014
90	"	900,000	222	1949	· 9340	1,076,429	· 9340
91	"	910,000	224	4230	· 2666	1,088,390	· 2666
92	"	920,000	227	1670	· 5992	1,100,350	· 5992
93	"	930,000	229	3950	· 9318	1,112,310	· 9318
94	"	940,000	232	1391	· 2644	1,124,271	· 2644
95	"	950,000	234	3671	· 5970	1,136,231	· 5970
96	"	960,000	237	1111	· 9296	1,148,191	· 9296
97	"	970,000	239	3392	· 2622	1,160,152	· 2622
98	"	980,000	242	832	· 5948	1,172,112	· 5948
99	"	990,000	244	3112	· 9274	1,184,072	· 9274
100	"	1,000,000	247	553	· 26	1,196,033	· 26
200	"	2,000,000	494	1106	· 52	2,392,066	· 52
300	"	3,000,000	741	1659	· 78	3,588,099	· 78
400	"	4,000,000	988	2213	· 04	4,784,133	· 04
500	"	5,000,000	1,235	2766	· 30	5,980,166	· 30
600	"	6,000,000	1,482	3319	· 56	7,176,199	· 56
700	"	7,000,000	1,729	3872	· 82	8,372,232	· 82
800	"	8,000,000	1,976	4426	· 08	9,568,266	· 08
900	"	9,000,000	2,224	139	· 34	10,764,299	· 34
1,000	"	10,000,000	2,471	692	· 6	11,960,332	· 60
2,000	"	20,000,000	4,942	1385	· 2	23,920,665	· 2
3,000	"	30,000,000	7,413	2077	· 8	35,880,997	· 8
4,000	"	40,000,000	9,884	2770	· 4	47,841,330	· 4
5,000	"	50,000,000	12,355	3463	· 0	59,801,663	· 0
6,000	"	60,000,000	14,826	4155	· 6	71,761,995	· 6
7,000	"	70,000,000	17,298	8	· 2	83,722,328	· 2

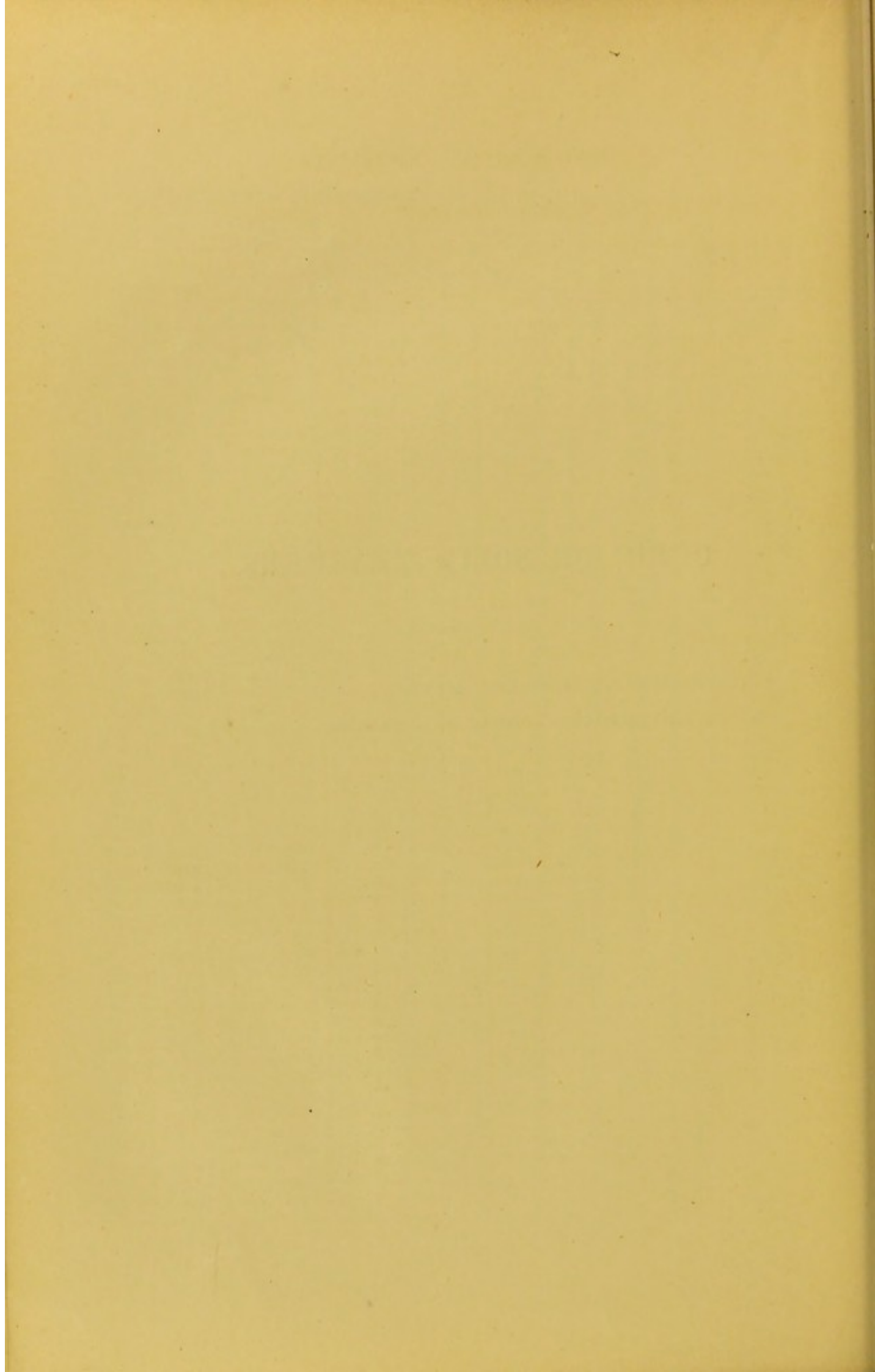
MEASURES OF SURFACE.

III.—Metric Measure converted into Square Measure.

	Sq. Miles.	Acres.	Rood.	Perch.	Sq Yards.	dec.	OR THUS
							Square Miles. decimals.
1 Centiare,	..	..	..	..	1	19603	0 . 000003861
1 Are,	..	..	..	3	28	8533	0 . 00003861
2 ..	..	..	..	7	27	4567	0 . 00007722
3 ..	..	..	..	11	26	0600	0 . 00011583
4 ..	..	..	..	15	24	6633	0 . 00015445
5 ..	..	..	..	19	23	2666	0 . 00019306
6 ..	..	..	..	23	21	8700	0 . 00023167
7 ..	..	..	..	27	20	4733	0 . 00027028
8 ..	..	..	..	31	19	0766	0 . 00030889
9 ..	..	..	..	35	17	6799	0 . 00034750
1 Dekare,	..	..	..	19	16	2833	0 . 00038612
2 ..	..	..	1	39	2	3165	0 . 00077223
3 ..	..	..	2	38	18	5998	0 . 00115835
4 ..	..	..	3	38	4	6330	0 . 00154446
5 ..	..	1	0	37	20	9163	0 . 00193058
6 ..	..	1	1	37	6	9496	0 . 00231670
7 ..	..	1	2	36	23	2828	0 . 00270281
8 ..	..	1	3	36	9	2661	0 . 00308893
9 ..	..	2	0	35	25	5493	0 . 00347504
1 Hectare,	..	2	1	35	11	5826	0 . 0038612
2 ..	..	4	3	30	23	1652	0 . 0077223
3 ..	..	7	1	26	4	4978	0 . 0115835
4 ..	..	9	3	21	16	0804	0 . 0154446
5 ..	..	12	1	16	27	6630	0 . 0193058
6 ..	..	14	3	12	8	9966	0 . 0231670
7 ..	..	17	1	7	20	5782	0 . 0270281
8 ..	..	19	3	3	1	9108	0 . 0308893
9 ..	..	22	0	38	13	4934	0 . 0347504
10 ..	..	24	2	33	25	076	0 . 038612
20 ..	..	49	1	27	19	902	0 . 077223
30 ..	..	74	0	21	14	728	0 . 115835
40 ..	..	98	3	15	9	554	0 . 154446
50 ..	..	123	2	9	4	380	0 . 193058
60 ..	..	148	1	2	29	456	0 . 231670
70 ..	..	172	3	36	24	282	0 . 270281
80 ..	..	197	2	30	19	108	0 . 308893
90 ..	..	222	1	24	13	934	0 . 347504
100 ..	..	247	0	18	8	76	0 . 38612
200 ..	..	494	0	36	17	52	0 . 772232
300 ..	1	101	1	14	26	28	1 . 158348
400 ..	1	348	1	33	4	79	1 . 544464
500 ..	1	595	2	11	13	55	1 . 930581
600 ..	2	202	2	29	22	31	2 . 316697
700 ..	2	449	3	8	0	82	2 . 702813
800 ..	3	56	3	26	9	58	3 . 088929
900 ..	3	303	0	4	18	34	3 . 475045
1,000 ..	3	551	0	22	27	10	3 . 861161
2,000 ..	7	462	1	5	23	95	7 . 722322
3,000 ..	11	373	1	28	20	80	11 . 583483
4,000 ..	15	284	2	11	17	65	15 . 444644
5,000 ..	19	195	2	34	14	50	19 . 305805
6,000 ..	23	106	3	17	11	35	23 . 160967
7,000 ..	27	18	0	0	8	20	27 . 028128
8,000 ..	30	569	0	23	5	05	30 . 889289
9,000 ..	34	480	1	6	1	90	34 . 750450
10,000 ..	38	391	1	28	29	..	38 . 611611
20,000 ..	77	142	3	17	28	..	77 . 223222
30,000 ..	115	534	1	6	27	..	115 . 834833
40,000 ..	154	285	2	35	25	..	154 . 446444
50,000 ..	193	37	0	24	24	..	193 . 058055
60,000 ..	231	428	2	13	23	..	231 . 669666
70,000 ..	270	180	0	2	22	..	270 . 281271
80,000 ..	308	571	1	31	20	..	308 . 892887
90,000 ..	347	322	3	20	19	..	347 . 504498
100,000 ..	386	74	1	9	18	..	386 . 116109
200,000 ..	772	148	2	19	5	..	772 . 232219
300,000 ..	1158	222	3	28	23	..	1158 . 348328
400,000 ..	1544	297	0	38	11	..	1544 . 464437
500,000 ..	1 30	371	2	7	28	..	1930 . 580547
600,000 ..	2316	445	3	17	16	..	2316 . 696656
700,000 ..	2702	520	0	27	3	..	2702 . 812765
800,000 ..	3088	594	1	36	21	..	3088 . 928874
900,000 ..	3475	28	3	6	9	..	3475 . 044984
1,000,000 ..	3861	103	0	15	26	..	3861 . 161093

CUBIC OR SOLID MEASURES.

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CUBIC OR SOLID MEASURES.

I.—Cubic Measure converted into Metric.

	Stero.	Decistere. decimals.	OR THUS			EQUIVALENTS		
			Cubic Metres.	Cubic Deci- metres.	Cubic Centi- metres.	dec.	Measure of Capacity.	
							Litres.	decimals.
1 cub. inch or $\frac{1}{1728}$ of a cubic foot,	...	0·00016386	...	...	16·386	0·016386	0·016386
1-12th of a cub. ft. or 144 cub. in.	...	0·02359609	...	2	359·609	2·359609	2·359609	
2 " " 288 "	...	0·04719219	...	4	719·219	4·719219	4·719219	
3 " " 432 "	...	0·07078828	...	7	78·828	7·078828	7·078828	
4 " " 576 "	...	0·09438437	...	9	438·437	9·438437	9·438437	
5 " " 720 "	...	0·11798047	...	11	798·047	11·798047	11·798047	
6 " " 864 "	...	0·14157656	...	14	157·656	14·157656	14·157656	
7 " " 1008 "	...	0·16517265	...	16	517·265	16·517265	16·517265	
8 " " 1152 "	...	0·18876875	...	18	876·875	18·876875	18·876875	
9 " " 1296 "	...	0·21236484	...	21	236·484	21·236484	21·236484	
10 " " 1440 "	...	0·23596093	...	23	596·093	23·596093	23·596093	
11 " " 1584 "	...	0·25955703	...	25	955·703	25·955703	25·955703	
1 cubic foot or 1728 "	...	0·28315312	...	28	315·312	28·315312	28·315312	
2 " " " " " " " "	...	0·56630624	...	56	630·624	56·630624	56·630624	
3 " " " " " " " "	...	0·84945936	...	84	945·936	84·945936	84·945936	
4 " " " " " " " "	...	1·13261248	...	113	261·248	113·261248	113·261248	
5 " " " " " " " "	...	1·41576560	...	141	576·560	141·576560	141·576560	
6 " " " " " " " "	...	1·69891872	...	169	891·872	169·891872	169·891872	
7 " " " " " " " "	...	1·98207183	...	198	207·183	198·207183	198·207183	
8 " " " " " " " "	...	2·26522495	...	226	522·495	226·522495	226·522495	
9 " " " " " " " "	...	2·54837807	...	254	837·807	254·837807	254·837807	
10 " " " " " " " "	...	2·83153119	...	283	153·119	283·153119	283·153119	
11 " " " " " " " "	...	3·11468431	...	311	468·431	311·468431	311·468431	
12 " " " " " " " "	...	3·39783743	...	339	783·743	339·783743	339·783743	
13 " " " " " " " "	...	3·68099055	...	368	99·055	368·099055	368·099055	
14 " " " " " " " "	...	3·96414367	...	396	414·367	396·414367	396·414367	
15 " " " " " " " "	...	4·24729679	...	424	729·679	424·729679	424·729679	
16 " " " " " " " "	...	4·53044991	...	453	44·991	453·044991	453·044991	
17 " " " " " " " "	...	4·81360303	...	481	360·303	481·360303	481·360303	
18 " " " " " " " "	...	5·09675615	...	509	675·615	509·675615	509·675615	
19 " " " " " " " "	...	5·37990927	...	537	990·927	537·990927	537·990927	
20 " " " " " " " "	...	5·66306239	...	566	306·239	566·306239	566·306239	
21 " " " " " " " "	...	5·94621550	...	594	621·550	594·621550	594·621550	
22 " " " " " " " "	...	6·22936862	...	622	936·862	622·936862	622·936862	
23 " " " " " " " "	...	6·51252174	...	651	252·174	651·252174	651·252174	
24 " " " " " " " "	...	6·79567486	...	679	567·486	679·567486	679·567486	
25 " " " " " " " "	...	7·07882798	...	707	882·798	707·882798	707·882798	
26 " " " " " " " "	...	7·36198110	...	736	198·110	736·198110	736·198110	
27 " " " " " " " "	...	7·64513422	...	764	513·422	764·513422	764·513422	
28 " " " " " " " "	...	7·92828734	...	792	828·734	792·828734	792·828734	
29 " " " " " " " "	...	8·21144046	...	821	144·046	821·144046	821·144046	
30 " " " " " " " "	...	8·49459358	...	849	459·358	849·459358	849·459358	
31 " " " " " " " "	...	8·77774670	...	877	774·670	877·774670	877·774670	
32 " " " " " " " "	...	9·06089982	...	906	89·982	906·089982	906·089982	
33 " " " " " " " "	...	9·34405294	...	934	405·294	934·405294	934·405294	
34 " " " " " " " "	...	9·62720605	...	962	720·605	962·720605	962·720605	
35 " " " " " " " "	...	9·91035917	...	991	35·917	991·035917	991·035917	
36 " " " " " " " "	1	0·19351229	1	19	351·229	1019·351229	1019·351229	
37 " " " " " " " "	1	0·47666541	1	47	666·541	1047·666541	1047·666541	
38 " " " " " " " "	1	0·75981853	1	75	981·853	1075·981853	1075·981853	

CUBIC OR SOLID MEASURES.

I.—Cubic Measure converted into Metric.

	Stere.	Decistere.	OR THUS			EQUIVALENTS				
			decimals	Cubic Metres	Cubic Decimetres	Cubic Centimetres.	Measure of Capacity.		Which, if filled with pure Water, temp. 39°, would weigh	
							Litres.	decimals.	Kilograms.	decimals.
39 cub. ft.,	1	1.04297165	1	104	297.165	1104	. 297165	1104	. 297165	
40 " or 1 ton of 40 ft.,	1	1.32612477	1	132	612.477	1132	. 612477	1132	. 612477	
2 " or 80 "	2	2.65224954	2	265	224.954	2265	. 2250	2265	. 2250	
3 " or 120 "	3	3.97837432	3	397	837.432	3397	. 8374	3397	. 8374	
4 " or 160 "	4	5.30449910	4	530	449.910	4530	. 4499	4530	. 4499	
5 " or 200 "	5	6.63062386	5	663	62.386	5663	. 6624	5663	. 6624	
6 " or 240 "	6	7.95674863	6	795	674.863	6795	. 6749	6795	. 6749	
7 " or 280 "	7	9.28287341	7	928	287.341	7928	. 2873	7928	. 2873	
8 " or 320 "	9	0.60899818	9	60	899.818	9060	. 8998	9060	. 8998	
9 " or 360 "	10	1.93512295	10	193	512.295	10193	. 5123	10193	. 5123	
10 " or 400 "	11	3.26124772	11	326	124.772	11326	. 1248	11326	. 1248	
20 " or 800 "	22	6.52249545	22	652	249.545	22652	. 250	22652	. 250	
30 " or 1200 "	33	9.78374317	33	978	374.317	33978	. 374	33978	. 374	
40 " or 1600 "	45	3.04499090	45	304	499.090	45304	. 499	45304	. 499	
50 " or 2000 "	56	6.30623862	56	630	623.862	56630	. 624	56630	. 624	
60 " or 2400 "	67	9.56748634	67	956	748.634	67956	. 749	67956	. 749	
70 " or 2800 "	79	2.82873407	79	282	873.407	79282	. 873	79282	. 873	
80 " or 3200 "	90	6.08998179	90	608	998.179	90608	. 998	90608	. 998	
90 " or 3600 "	101	9.35122952	101	935	122.952	101935	. 123	101935	. 123	
100 " or 4000 "	113	2.61247724	113	261	247.724	113261	. 248	113261	. 248	
41 cub. ft.,	1	1.60927789	1	160	927.789	1160	. 927789	1160	. 927789	
42 "	1	1.89243101	1	189	243.101	1189	. 243101	1189	. 243101	
43 "	1	2.17558413	1	217	558.413	1217	. 558413	1217	. 558413	
44 "	1	2.45873725	1	245	873.725	1245	. 873725	1245	. 873725	
45 "	1	2.74189037	1	274	189.037	1274	. 189037	1274	. 189037	
46 "	1	3.02504349	1	302	504.349	1302	. 504349	1302	. 504349	
47 "	1	3.30819660	1	330	819.660	1330	. 819660	1330	. 819660	
48 "	1	3.59134972	1	359	134.972	1359	. 134972	1359	. 134972	
49 "	1	3.87450284	1	387	450.284	1387	. 450284	1387	. 450284	
50 " or 1 ton of 50 ft.,	1	4.15765597	1	415	765.597	1415	. 765596	1415	. 765596	
2 " or 100 "	2	8.31531193	2	831	531.193	2831	. 5312	2831	. 5312	
3 " or 150 "	4	2.47296790	4	247	296.790	4247	. 2968	4247	. 2968	
4 " or 200 "	5	6.63062386	5	663	62.386	5663	. 6624	5663	. 6624	
5 " or 250 "	7	0.78827983	7	78	827.983	7078	. 8280	7078	. 8280	
6 " or 300 "	8	4.94593579	8	494	593.579	8494	. 5936	8494	. 5936	
7 " or 350 "	9	9.10359176	9	910	359.176	9910	. 3592	9910	. 3592	
8 " or 400 "	11	3.26124772	11	326	124.772	11326	. 1248	11326	. 1248	
9 " or 450 "	12	7.41890369	12	741	890.369	12741	. 8904	12741	. 8904	
10 " or 500 "	14	1.57655966	14	157	655.966	14157	. 6560	14157	. 6560	
20 " or 1000 "	28	3.15311931	28	315	311.931	28315	. 312	28315	. 312	
30 " or 1500 "	42	4.72967896	42	472	967.896	42472	. 968	42472	. 968	
40 " or 2000 "	56	6.30623862	56	630	623.862	56630	. 624	56630	. 624	
50 " or 2500 "	70	7.88279827	70	788	279.827	70788	. 280	70788	. 280	
60 " or 3000 "	84	9.45935793	84	945	935.793	84945	. 936	84945	. 936	
70 " or 3500 "	99	1.03591758	99	103	591.758	99103	. 592	99103	. 592	
80 " or 4000 "	113	2.61247724	113	261	247.724	113261	. 248	113261	. 248	
90 " or 4500 "	127	4.18903689	127	418	903.689	127418	. 904	127418	. 904	
100 " or 5000 "	141	5.76559655	141	576	559.655	141576	. 560	141576	. 560	
51 cub. ft.,	1	4.44080908	1	444	80.908	1444	. 080908	1444	. 080908	
52 "	1	4.72396220	1	472	396.220	1472	. 396220	1472	. 396220	

CUBIC OR SOLID MEASURES.

I.—Cubic Measure converted into Metric.

	OR THUS				EQUIVALENTS						
	Stero.	Decistere.	decimals.	Cubic Metros.	Cubic Deci-metros.	Cubic Centi-metros.	dec.	Measure of Capacity.		Which, if filled with pure Water, temp. 39°, would weigh	
								Litros.	decimals.	Kilogramas.	decimals.
53 cubic feet	1	5	·00711532	1	500	711	·532	1500	·71153	1500	·71153
54 "	1	5	·29026844	1	529	26	·844	1529	·02684	1529	·02684
55 "	1	5	·57342156	1	557	342	·156	1557	·34216	1557	·34216
56 "	1	5	·85657468	1	585	657	·468	1585	·65747	1585	·65747
57 "	1	6	·13972780	1	613	972	·780	1613	·97278	1613	·97278
58 "	1	6	·42288092	1	642	288	·092	1642	·28809	1642	·28809
59 "	1	6	·70603404	1	670	603	·404	1670	·60340	1670	·60340
60 "	1	6	·98918716	1	698	918	·716	1698	·91872	1698	·91872
61 "	1	7	·27234027	1	727	234	·027	1727	·23403	1727	·23403
62 "	1	7	·55549339	1	755	549	·339	1755	·54934	1755	·54934
63 "	1	7	·83864651	1	783	864	·651	1783	·86465	1783	·86465
64 "	1	8	·12179963	1	812	179	·963	1812	·17996	1812	·17996
65 "	1	8	·40495275	1	840	495	·275	1840	·49528	1840	·49528
66 "	1	8	·68810587	1	868	810	·587	1868	·81059	1868	·81059
67 "	1	8	·97125899	1	897	125	·899	1897	·12590	1897	·12590
68 "	1	9	·25441211	1	925	441	·211	1925	·44121	1925	·44121
69 "	1	9	·53756523	1	953	756	·523	1953	·75652	1953	·75652
70 "	1	9	·82071835	1	982	71	·835	1982	·07184	1982	·07184
71 "	2	0	·10387147	2	10	387	·147	2010	·38715	2010	·38715
72 "	2	0	·38702459	2	38	702	·459	2038	·70246	2038	·70246
73 "	2	0	·67017771	2	67	17	·771	2067	·01777	2067	·01777
74 "	2	0	·95333082	2	95	333	·082	2095	·33308	2095	·33308
75 "	2	1	·23648394	2	123	648	·394	2123	·64839	2123	·64839
76 "	2	1	·51963706	2	151	963	·706	2151	·96371	2151	·96371
77 "	2	1	·80279018	2	180	279	·018	2180	·27902	2180	·27902
78 "	2	2	·08594330	2	208	594	·330	2208	·59433	2208	·59433
79 "	2	2	·36909642	2	236	909	·642	2236	·90964	2236	·90964
80 "	2	2	·65224954	2	265	224	·954	2265	·22495	2265	·22495
81 "	2	2	·93540266	2	293	540	·266	2293	·54027	2293	·54027
82 "	2	3	·21855578	2	321	855	·578	2321	·85558	2321	·85558
83 "	2	3	·50170890	2	350	170	·890	2350	·17089	2350	·17089
84 "	2	3	·78486202	2	378	486	·202	2378	·48620	2378	·48620
85 "	2	4	·06801514	2	406	801	·514	2406	·80151	2406	·80151
86 "	2	4	·35116826	2	435	116	·826	2435	·11683	2435	·11683
87 "	2	4	·63432137	2	463	432	·137	2463	·43214	2463	·43214
88 "	2	4	·91747449	2	491	747	·449	2491	·74745	2491	·74745
89 "	2	5	·20062761	2	520	62	·761	2520	·06276	2520	·06276
90 "	2	5	·48378073	2	548	378	·073	2548	·37807	2548	·37807
91 "	2	5	·76693385	2	576	693	·385	2576	·69339	2576	·69339
92 "	2	6	·05008697	2	605	8	·697	2605	·00870	2605	·00870
93 "	2	6	·33324009	2	633	324	·009	2633	·32401	2633	·32401
94 "	2	6	·61639321	2	661	639	·321	2661	·63932	2661	·63932
95 "	2	6	·89954633	2	689	954	·633	2689	·95463	2689	·95463
96 "	2	7	·18269945	2	718	269	·945	2718	·26995	2718	·26995
97 "	2	7	·46585257	2	746	585	·257	2746	·58526	2746	·58526
98 "	2	7	·74900569	2	774	900	·569	2774	·90057	2774	·90057
99 "	2	8	·03215881	2	803	215	·881	2803	·21588	2803	·21588
100 "	2	8	·31531193	2	831	531	·193	2831	·53119	2831	·53119
108 " or 1 stack	3	0	·58053688	3	58	53	·688	3058	·05369	3058	·05369
128 " or 1 cord	3	6	·24359926	3	624	359	·926	3624	·35993	3624	·35993

CUBIC OR SOLID MEASURES.

II.—Metric converted into British.

	Cubic Feet.	Cubic Inches.	decimals.	OR THUS		OR THUS	
				Cubic Feet.	decimals.	Cubic Yards.	decimals.
1 cubic centimetre, . . . . .	...	0	· 0610	0	· 000035	0	· 0000013
2 " . . . . .	...	0	· 1221	0	· 000071	0	· 0000026
3 " . . . . .	...	0	· 1831	0	· 000106	0	· 0000039
4 " . . . . .	...	0	· 2441	0	· 000141	0	· 0000052
5 " . . . . .	...	0	· 3051	0	· 000177	0	· 0000065
6 " . . . . .	...	0	· 3662	0	· 000212	0	· 0000078
7 " . . . . .	...	0	· 4272	0	· 000247	0	· 0000092
8 " . . . . .	...	0	· 4882	0	· 000283	0	· 0000105
9 " . . . . .	...	0	· 5492	0	· 000318	0	· 0000118
10 " . . . . .	...	0	· 6103	0	· 000353	0	· 0000131
20 " . . . . .	...	1	· 2205	0	· 000706	0	· 0000262
30 " . . . . .	...	1	· 8308	0	· 001059	0	· 0000392
40 " . . . . .	...	2	· 4411	0	· 001413	0	· 0000523
50 " . . . . .	...	3	· 0514	0	· 001766	0	· 0000654
60 " . . . . .	...	3	· 6616	0	· 002112	0	· 0000785
70 " . . . . .	...	4	· 2719	0	· 002472	0	· 0000916
80 " . . . . .	...	4	· 8822	0	· 002825	0	· 0001046
90 " . . . . .	...	5	· 4924	0	· 003178	0	· 0001177
100 " . . . . .	...	6	· 1027	0	· 003532	0	· 0001308
200 " . . . . .	...	12	· 2054	0	· 007063	0	· 0002616
300 " . . . . .	...	18	· 3081	0	· 010595	0	· 0003924
400 " . . . . .	...	24	· 4108	0	· 014127	0	· 0005232
500 " . . . . .	...	30	· 5135	0	· 017658	0	· 0006540
600 " . . . . .	...	36	· 6162	0	· 021190	0	· 0007848
700 " . . . . .	...	42	· 7189	0	· 024722	0	· 0009156
800 " . . . . .	...	48	· 8216	0	· 028253	0	· 0010464
900 " . . . . .	...	54	· 9243	0	· 031785	0	· 0011772
1 cubic decimetre, . . . . .	...	61	· 0271	0	· 035317	0	· 0013080
2 " . . . . .	...	122	· 0541	0	· 070633	0	· 0026160
3 " . . . . .	...	183	· 0812	0	· 105950	0	· 0039241
4 " . . . . .	...	244	· 1082	0	· 141266	0	· 0052321
5 " . . . . .	...	305	· 1353	0	· 176583	0	· 0065401
6 " . . . . .	...	366	· 1623	0	· 211899	0	· 0078481
7 " . . . . .	...	427	· 1894	0	· 247216	0	· 0091562
8 " . . . . .	...	488	· 2164	0	· 282533	0	· 0104642
9 " . . . . .	...	549	· 2435	0	· 317849	0	· 0117722
10 " . . . . .	...	610	· 2705	0	· 353166	0	· 0130802
20 " . . . . .	...	1220	· 5410	0	· 706332	0	· 0261604
30 " 	1	102	· 8115	1	· 059497	0	· 0392406
40 " 	1	713	· 0821	1	· 412663	0	· 0523209
50 " 	1	1323	· 3526	1	· 765829	0	· 0654011
60 " 	2	205	· 6231	2	· 118995	0	· 0784813
70 " 	2	815	· 8936	2	· 472161	0	· 0915615
80 " 	2	1426	· 1641	2	· 825326	0	· 1046417
90 " 	3	308	· 4346	3	· 178492	0	· 1177219
100 " or 1 decistere,	3	918	· 7052	3	· 531658	0	· 1308022
200 " 2 " 	7	109	· 4103	7	· 063316	0	· 2616043
300 " 3 " 	10	1028	· 1155	10	· 594974	0	· 3924065
400 " 4 " 	14	218	· 8206	14	· 126632	0	· 5232086
500 " 5 " 	17	1137	· 5258	17	· 658290	0	· 6540108

CUBIC OR SOLID MEASURES.

II.—Metric converted into British.

	Cubic Feet.	Cubic Inches.	decimals.	OR THUS		OR THUS	
				Cubic Feet.	decimals.	Cubic Yards.	decimals.
600 cubic decimetres, . . .	21	328	2309	21	1899	0	78481
700 "	24	1246	9361	24	7216	0	91562
800 "	28	437	6412	28	2533	1	04642
900 "	31	1356	3464	31	7849	1	17722
1 cubic metre,	35	547	0515	35	3166	1	30802
2 "	70	1094	1030	70	6332	2	61604
3 "	105	1641	1546	105	9497	3	92406
4 "	141	460	2061	141	2663	5	23209
5 "	176	1007	2576	176	6829	6	54011
6 "	211	1554	3091	211	8995	7	84813
7 "	247	373	3606	247	2161	9	15615
8 "	282	920	4122	282	5326	10	46417
9 "	317	1467	4637	317	8492	11	77219
10 "	353	286	5152	353	1658	13	08022
11 "	388	833	5667	388	4824	14	38824
12 "	423	1380	6182	423	7990	15	69626
13 "	459	199	6698	459	1155	17	00428
14 "	494	746	7213	494	4321	18	31230
15 "	529	1293	7728	529	7487	19	62032
16 "	565	112	8243	565	0653	20	92834
17 "	600	659	8758	600	3819	22	23637
18 "	635	1206	9273	635	6985	23	54439
19 "	671	25	9789	671	0150	24	85241
20 "	706	573	0304	706	3316	26	16043
21 "	741	1120	0819	741	6482	27	46845
22 "	776	1667	1334	776	9648	28	77647
23 "	812	486	1849	812	2814	30	08449
24 "	847	1033	2365	847	5979	31	39252
25 "	882	1580	2880	882	9145	32	70054
26 "	918	399	3395	918	2311	34	00856
27 "	953	946	3910	953	5477	35	31658
28 "	988	1493	4425	988	8643	36	62460
29 "	1024	312	4941	1024	1808	37	93262
30 "	1059	859	5456	1059	4974	39	24065
31 "	1094	1406	5971	1094	8140	40	54867
32 "	1130	225	6486	1130	1306	41	85669
33 "	1165	772	7001	1165	4472	43	16471
34 "	1200	1319	7517	1200	7637	44	47273
35 "	1236	138	8032	1236	0803	45	78075
36 "	1271	685	8547	1271	3969	47	08877
37 "	1306	1232	9062	1306	7135	48	39679
38 "	1342	51	9577	1342	0301	49	70482
39 "	1377	599	0093	1377	3466	51	01284
40 "	1412	1146	0608	1412	6632	52	32086
41 "	1447	1693	1123	1447	9798	53	62888
42 "	1483	512	1638	1483	2964	54	93690
43 "	1518	1059	2153	1518	6130	56	24492
44 "	1553	1606	2669	1553	9296	57	55295
45 "	1589	425	3184	1589	2461	58	86097
46 "	1624	972	3699	1624	5627	60	16899

CUBIC OR SOLID MEASURES.

II.—Metric converted into British.

	Cubic Feet.	Cubic Inches.		OR THUS		OR THUS	
			decimals.	Cubic Feet.	decimals.	Cubic Yards.	decimals.
47 cubic metres,	1,659	1519	4214	1,659	8793	61	47701
48 "	1,695	338	4729	1,695	1959	62	78503
49 "	1,730	885	5245	1,730	5125	64	09305
50 "	1,765	1432	5760	1,765	8290	65	40108
51 "	1,801	251	6275	1,801	1456	66	70910
52 "	1,836	798	6790	1,836	4622	68	01712
53 "	1,871	1345	7305	1,871	7788	69	32514
54 "	1,907	164	7820	1,907	0954	70	63316
55 "	1,942	711	8336	1,942	4119	71	94118
56 "	1,977	1258	8851	1,977	7285	73	24920
57 "	2,013	77	9366	2,013	0451	74	55723
58 "	2,048	624	9881	2,048	3617	75	86525
59 "	2,083	1172	0396	2,083	6783	77	17327
60 "	2,118	1719	0912	2,118	9948	78	48129
61 "	2,154	538	1427	2,154	3114	79	78931
62 "	2,189	1085	1942	2,189	6280	81	09733
63 "	2,224	1632	2457	2,224	9446	82	40536
64 "	2,260	451	2972	2,260	2612	83	71338
65 "	2,295	998	3488	2,295	5777	85	02140
66 "	2,330	1545	4003	2,330	8943	86	32942
67 "	2,366	364	4518	2,366	2109	87	63744
68 "	2,401	911	5033	2,401	5275	88	94546
69 "	2,436	1458	5548	2,436	8441	90	25348
70 "	2,472	277	6064	2,472	1606	91	56151
71 "	2,507	824	6579	2,507	4772	92	86953
72 "	2,542	1371	7094	2,542	7938	94	17755
73 "	2,578	190	7609	2,578	1104	95	48557
74 "	2,613	737	8124	2,613	4270	96	79359
75 "	2,648	1284	8640	2,648	7436	98	10161
76 "	2,684	103	9155	2,684	0601	99	40963
77 "	2,719	650	9670	2,719	3767	100	71766
78 "	2,754	1198	0185	2,754	6933	102	02568
79 "	2,790	17	0700	2,790	0099	103	33370
80 "	2,825	564	1216	2,825	3265	104	64172
80 "	3,178	850	6367	3,178	4923	117	72194
90 "	3,531	1137	1519	3,531	6581	130	80215
100 "	7,063	546	3039	7,063	316	261	60430
200 "	10,594	1683	4558	10,594	974	392	40645
300 "	14,126	1092	6077	14,126	632	523	20860
400 "	17,658	501	7597	17,658	290	654	01075
500 "	21,189	1638	9116	21,189	948	784	81291
600 "	24,721	1048	0636	24,721	607	915	61506
700 "	28,253	457	2155	28,253	265	1046	41721
800 "	31,784	1594	3674	31,784	923	1177	21936
900 "	35,316	1003	5194	35,316	581	1308	02151
1000 "	70,633	279	0387	70,633	161	2616	04302
2000 "	105,949	1282	5581	105,949	742	3924	06453
3000 "	141,266	558	0775	141,266	323	5232	08604
4000 "	176,582	1561	5968	176,582	904	6540	10754
5000 "	211,899	837	1162	211,899	484	7848	12905
6000 "							

MEASURES OF CAPACITY.

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N. B.—The *Old Measures of Capacity* are still in use in the United States, and in some of our Colonies; especially the *Wine Gallon* and the *Winchester Bushel*.

MEASURES OF CAPACITY.

I.—Liquid Measure converted into Metric.

	Kilo- litres.	Hecto- litres.	Deka- litres.	Litres.	Deci- litres.	Centi- litres.	dec.	EQUIVALENTS			
								Of which the Cubic Measurement is		Which, if filled with Pure Water, the Weight would be	
								Cubic Decimetres.	dec	Kilo- grams.	dec.
1 Pint,	1	4	1983	0	1420	0	1420
2 "	2	8	3967	0	2840	0	2840
3 "	4	2	5950	0	4260	0	4260
1 quart,	5	6	7933	0	5679	0	5679
2 "	1	1	3	5867	1	1359	1	1359
3 "	2	2	7	1733	2	2717	2	2717
1 gallon,	3	4	0	7600	3	4076	3	4076
2 "	4	5	4	3467	4	5435	4	5435
3 "	9	0	8	6934	9	0869	9	0869
4 "	1	3	6	3	0400	13	6304	13	6304
5 "	1	8	1	7	3867	18	1739	18	1739
6 "	2	2	7	1	7334	22	7173	22	7173
7 "	2	7	2	6	0801	27	2608	27	2608
8 "	3	1	8	0	4267	31	8043	31	8043
9 "	3	6	3	4	7734	36	3477	36	3477
10 "	4	0	8	9	1201	40	8912	40	8912
11 "	4	5	4	3	4668	45	4347	45	4347
12 "	4	9	9	7	8135	49	9781	49	9781
13 "	5	4	5	2	1601	54	5216	54	5216
14 "	5	9	0	6	5068	59	0651	59	0651
15 "	6	3	6	0	8535	63	6085	63	6085
16 "	6	8	1	5	2002	68	1520	68	1520
17 "	7	2	6	9	5468	72	6955	72	6955
18 "	7	7	2	3	8935	77	2389	77	2389
19 "	8	1	7	8	2402	81	7824	81	7824
20 "	8	6	3	2	5869	86	3259	86	3259
21 "	9	0	8	6	9336	90	8693	90	8693
22 "	9	5	4	1	2802	95	4128	95	4128
23 "	9	9	9	5	6269	99	9563	99	9563
24 "	...	1	0	4	4	9	9736	104	4997	104	4997
25 "	...	1	0	9	0	4	3203	109	0432	109	0432
26 "	...	1	1	3	5	8	6669	113	5867	113	5867
27 "	...	1	1	8	1	3	0136	118	1301	118	1301
28 "	...	1	2	2	6	7	3603	122	6736	122	6736
29 "	...	1	2	7	2	1	7070	127	2171	127	2171
30 "	...	1	3	1	7	6	0537	131	7605	131	7605
31 "	...	1	3	6	3	0	4003	136	3040	136	3040
32 "	...	1	4	0	8	4	7470	140	8475	140	8475
33 "	...	1	4	5	3	9	0937	145	3909	145	3909
34 "	...	1	4	9	9	3	4404	149	9344	149	9344
35 "	...	1	5	4	4	7	7870	154	4779	154	4779
36 "	...	1	5	9	0	2	1337	159	0213	159	0213
37 "	...	1	6	3	5	6	4804	163	5648	163	5648
38 "	...	1	6	8	1	0	8271	168	1083	168	1083
39 "	...	1	7	2	6	5	1738	172	6517	172	6517
40 "	...	1	7	7	1	9	5204	177	1952	177	1952
41 "	...	1	8	1	7	3	8671	181	7387	181	7387
42 "	...	1	8	6	2	8	2138	186	2821	186	2821
43 "	...	1	9	0	8	2	5605	190	8256	190	8256
44 "	...	1	9	5	3	6	9071	195	3691	195	3691

MEASURES OF CAPACITY.

I.—Liquid Measure converted into Metric.

	Kilo- litres.	Hecto- litres.	Deka- litres.	Litres.	Deci- litres.	Centi- litres.	dec.	EQUIVALENTS			
								Of which the Cubic Measurement is		Which if filled with Pure Water the Weight would be	
								Cubic Decimetres.	decimals.	Kilograms.	decimals.
44 gallons,	1	9	9	9	1	2538	199	9125	199	9125
45 "	2	0	4	4	5	6005	204	4560	204	4560
46 "	2	0	8	9	9	9472	208	9995	208	9995
47 "	2	1	3	5	4	2939	213	5429	213	5429
48 "	2	1	8	0	8	6405	218	0864	218	0864
49 "	2	2	2	6	2	9872	222	6299	222	6299
50 "	2	2	7	1	7	3839	227	1733	227	1733
51 "	2	3	1	7	1	6806	231	7168	231	7168
52 "	2	3	6	2	6	0272	236	2603	236	2603
53 "	2	4	0	8	0	3739	240	8037	240	8037
54 "	2	4	5	3	4	7206	245	3472	245	3472
55 "	2	4	9	8	9	0673	249	8907	249	8907
56 "	2	5	4	4	3	4140	254	4341	254	4341
57 "	2	5	8	9	7	7606	258	9776	258	9776
58 "	2	6	3	5	2	1073	263	5211	263	5211
59 "	2	6	8	0	6	4540	268	0645	268	0645
60 "	2	7	2	6	0	8007	272	6080	272	6080
61 "	2	7	7	1	5	1473	277	1515	277	1515
62 "	2	8	1	6	9	4940	281	6949	281	6949
63 "	2	8	6	2	3	8407	286	2384	286	2384
64 "	2	9	0	7	8	1874	290	7819	290	7819
65 "	2	9	5	3	2	5341	295	3253	295	3253
66 "	2	9	9	8	6	8807	299	8688	299	8688
67 "	3	0	4	4	1	2274	304	4123	304	4123
68 "	3	0	8	9	5	5741	308	9557	308	9557
69 "	3	1	3	4	9	9208	313	4992	313	4992
70 "	3	1	8	0	4	2674	318	0427	318	0427
71 "	3	2	2	5	8	6141	322	5861	322	5861
72 "	3	2	7	1	2	9608	327	1296	327	1296
73 "	3	3	1	6	7	3075	331	6731	331	6731
74 "	3	3	6	2	1	6542	336	2165	336	2165
75 "	3	4	0	7	6	0008	340	7600	340	7600
76 "	3	4	5	3	0	3475	345	3935	345	3935
77 "	3	4	9	8	4	6942	349	8469	349	8469
78 "	3	5	4	3	9	0409	354	3904	354	3904
79 "	3	5	8	9	3	3875	358	9339	358	9339
80 "	3	6	3	4	7	7342	363	4773	363	4773
81 "	3	6	8	0	2	0809	368	0208	368	0208
82 "	3	7	2	5	6	4276	372	5643	372	5643
83 "	3	7	7	1	0	7743	377	1077	377	1077
84 "	3	8	1	6	5	1209	381	6512	381	6512
85 "	3	8	6	1	9	4676	386	1947	386	1947
86 "	3	9	0	7	3	8143	390	7381	390	7381
87 "	3	9	5	2	8	1610	395	2816	395	2816
88 "	3	9	9	8	2	5076	399	8251	399	8251
89 "	4	0	4	3	6	8543	404	3685	404	3685
90 "	4	0	8	9	1	2010	408	9120	408	9120
91 "	4	1	3	4	5	5477	413	4555	413	4555
92 "	4	1	7	9	9	8944	417	9989	417	9989
93 "	4	2	2	5	4	2410	422	5424	422	5424

MEASURES OF CAPACITY.

I.—Liquid Measure converted into Metric.

	Kilo- litres.	Hecto- litres.	Deka- litres.	Litres.	Deci- litres.	Centi- litres.	dec.	EQUIVALENTS				
								Of which the Cubic Measurement is			Which if filled with Pure Water the Weight would be	
								Cubic Metres	Cubic Deci- metres.	dec.		Kilograms.	dec.
94 gallons, . . . . .	...	4	2	7	0	8	5877	...	427	. 09	427	. 09
95 " . . . . .	...	4	3	1	6	2	9344	...	431	. 63	431	. 63
96 " . . . . .	...	4	3	6	1	7	2811	...	436	. 17	436	. 17
97 " . . . . .	...	4	4	0	7	1	6278	...	440	. 72	440	. 72
98 " . . . . .	...	4	4	5	2	5	9744	...	445	. 26	445	. 26
99 " . . . . .	...	4	4	9	8	0	3211	...	449	. 80	449	. 80
100 " . . . . .	...	4	5	4	3	4	6678	...	454	. 35	454	. 35
200 " . . . . .	...	9	0	8	6	9	386	...	908	. 69	908	. 69
300 "	1	3	6	3	0	4	003	1	363	. 04	1,363	. 04
400 "	1	8	1	7	3	8	671	1	817	. 39	1,817	. 39
500 "	2	2	7	1	7	3	339	2	271	. 73	2,271	. 73
600 "	2	7	2	6	0	8	007	2	726	. 08	2,726	. 08
700 "	3	1	8	0	4	2	674	3	180	. 43	3,180	. 43
800 "	3	6	3	4	7	7	342	3	634	. 77	3,634	. 77
900 "	4	0	8	9	1	2	010	4	089	. 12	4,089	. 12
1,000 "	4	5	4	3	4	6	678	4	543	. 47	4,543	. 47
1,100 "	4	9	9	7	8	1	346	4	997	. 81	4,997	. 81
1,200 "	5	4	5	2	1	6	013	5	452	. 16	5,452	. 16
1,300 "	5	9	0	6	5	0	681	5	906	. 51	5,906	. 51
1,400 "	6	3	6	0	8	5	349	6	360	. 85	6,360	. 85
1,500 "	6	8	1	5	2	0	017	6	815	. 20	6,815	. 20
1,600 "	7	2	6	9	5	4	685	7	269	. 55	7,269	. 55
1,700 "	7	7	2	3	8	9	352	7	723	. 89	7,723	. 89
1,800 "	8	1	7	8	2	4	020	8	178	. 24	8,178	. 24
1,900 "	8	6	3	2	5	8	688	8	632	. 59	8,632	. 59
2,000 "	9	0	8	6	9	3	356	9	086	. 93	9,086	. 93
2,100 "	9	5	4	1	2	8	023	9	541	. 28	9,541	. 28
2,200 "	9	9	9	5	6	2	691	9	995	. 63	9,995	. 63
2,300 "	10	4	4	9	9	7	359	10	449	. 97	10,449	. 97
2,400 "	10	9	0	4	3	2	027	10	904	. 32	10,904	. 32
2,500 "	11	3	5	8	6	6	695	11	358	. 67	11,358	. 67
2,600 "	11	8	1	3	0	1	362	11	813	. 01	11,813	. 01
2,700 "	12	2	6	7	3	6	030	12	267	. 36	12,267	. 36
2,800 "	12	7	2	1	7	0	698	12	721	. 71	12,721	. 71
2,900 "	13	1	7	6	0	5	366	13	176	. 05	13,176	. 05
3,000 "	13	6	3	0	4	0	034	13	630	. 40	13,630	. 40
4,000 "	18	1	7	3	8	6	711	18	173	. 87	18,173	. 87
5,000 "	22	7	1	7	3	3	389	22	717	. 33	22,717	. 33
6,000 "	27	2	6	0	8	0	067	27	260	. 80	27,260	. 80
7,000 "	31	8	0	4	2	6	745	31	804	. 27	31,804	. 27
8,000 "	36	3	4	7	7	3	423	36	347	. 73	36,347	. 73
9,000 "	40	8	9	1	2	0	101	40	891	. 20	40,891	. 20
10,000 "	45	4	3	4	6	6	778	45	434	. 67	45,434	. 67
20,000 "	90	8	6	9	3	3	56	90	869	. 34	90,869	. 34
30,000 "	136	3	0	4	0	0	34	136	304	. 00	136,304	. 00
40,000 "	181	7	3	8	6	7	11	181	738	. 67	181,738	. 67
50,000 "	227	1	7	3	3	3	89	227	173	. 34	227,173	. 34
60,000 "	272	6	0	8	0	0	67	272	608	. 01	272,608	. 01
70,000 "	318	0	4	2	6	7	45	318	042	. 67	318,042	. 67
80,000 "	363	4	7	7	3	4	23	363	477	. 34	363,477	. 34

MEASURES OF CAPACITY

II.—Metric converted into (British) Liquid.

	Gallons.	Quarts.	Pinta.	dec.	OR THUS		OLD WINE MEASURE.		OLD ALE & BEER MEASURE.	
					Gallons.	dec.	Gallons.	dec.	Gallons.	dec.
1 Centilitre, . . . . .	...	...	0	0176	0	002201	0	00264	0	0022
2 " . . . . .	...	...	0	0352	0	004402	0	00528	0	0043
3 " . . . . .	...	...	0	0528	0	006603	0	00793	0	0065
4 " . . . . .	...	...	0	0704	0	008804	0	01057	0	0087
5 " . . . . .	...	...	0	0880	0	011005	0	01321	0	0108
6 " . . . . .	...	...	0	1056	0	013206	0	01585	0	0130
7 " . . . . .	...	...	0	1233	0	015407	0	01849	0	0151
8 " . . . . .	...	...	0	1409	0	017608	0	02113	0	0173
9 " . . . . .	...	...	0	1585	0	019810	0	02378	0	0195
1 Decilitre, . . . . .	...	...	0	1761	0	022010	0	02642	0	0216
2 " . . . . .	...	...	0	3522	0	044019	0	05284	0	0433
3 " . . . . .	...	...	0	5282	0	066029	0	07926	0	0649
4 " . . . . .	...	...	0	7043	0	088039	0	10567	0	0866
5 " . . . . .	...	...	0	8804	0	110048	0	13209	0	1082
6 " . . . . .	...	...	1	0565	0	132058	0	15851	0	1298
7 " . . . . .	...	...	1	2325	0	154067	0	18493	0	1515
8 " . . . . .	...	...	1	4086	0	176077	0	21135	0	1731
9 " . . . . .	...	...	1	5847	0	198097	0	23777	0	1948
1 Litre, . . . . .	...	...	1	7608	0	220096	0	26419	0	2164
2 " . . . . .	...	1	1	5215	0	440193	0	52837	0	4328
3 " . . . . .	...	2	1	2823	0	660289	0	79256	0	6492
4 " . . . . .	...	3	1	0431	0	880385	1	05674	0	8656
5 " . . . . .	...	1	0	8039	1	100481	1	32093	1	0820
6 " . . . . .	...	1	1	0564	1	320578	1	58512	1	2984
7 " . . . . .	...	1	2	0325	1	540674	1	84930	1	5149
8 " . . . . .	...	1	3	0086	1	760770	2	11349	1	7313
9 " . . . . .	...	1	3	1846	1	980866	2	37767	1	9477
1 Dekalitre or 10 litres,	2	0	1	6077	2	200963	2	64186	2	1641
2 " 20 "	4	1	1	2154	4	401925	5	28372	4	3282
3 " 30 "	6	2	0	8231	6	602888	7	92558	6	4922
4 " 40 "	8	3	0	4308	8	803850	10	56744	8	6563
5 " 50 "	11	0	0	0385	11	004813	13	20930	10	8204
6 " 60 "	13	0	1	6462	13	205775	15	85116	12	9845
7 " 70 "	15	1	1	2539	15	406738	18	49302	15	1485
8 " 80 "	17	2	0	8616	17	607700	21	13487	17	3126
9 " 90 "	19	3	0	4693	19	808663	23	77673	19	4707
1 Hectolitre or 100 "	22	0	0	077	22	009625	26	41859	21	6408
2 " 200 "	44	0	0	154	44	01925	52	83719	43	2815
3 " 300 "	66	0	0	231	66	02888	79	25578	64	9223
4 " 400 "	88	0	0	308	88	03850	105	67437	86	5631
5 " 500 "	110	0	0	385	110	04813	132	09297	108	2038
6 " 600 "	132	0	0	462	132	05775	158	51156	129	8446
7 " 700 "	154	0	0	539	154	06738	184	93015	151	4854
8 " 800 "	176	0	0	616	176	07700	211	34874	173	1261
9 " 900 "	198	0	0	693	198	08663	237	76734	194	7669
1 Kilolitre or 1000 "	220	0	0	77	220	09625	264	1859	216	408
2 " 2000 "	440	0	1	54	440	19250	528	3719	432	815
3 " 3000 "	660	1	0	31	660	28875	792	5578	649	223
4 " 4000 "	880	1	1	08	880	38500	1056	7437	865	631
5 " 5000 "	1100	1	1	85	1100	48125	1320	9297	1082	038

MEASURES OF CAPACITY.

II.—Metric converted into (British) Liquid.

	Gallons.	Quarts.	Pints.	dec.	OR THUS		OLD WINE MEASURE.		OLD ALE & BEER MEASURE.	
					Gallons.	dec.	Gallons.	dec.	Gallons.	dec.
6 Kilolitres, or 6,000 litres,	1,320	2	0	· 62	1,320	· 57750	1,585	· 1156	1,298	· 446
7 " 7,000 "	1,540	2	1	· 39	1,540	· 67375	1,849	· 3015	1,514	· 854
8 " 8,000 "	1,760	3	0	· 16	1,760	· 77000	2,113	· 4874	1,731	· 261
9 " 9,000 "	1,980	3	0	· 93	1,980	· 86625	2,377	· 6734	1,947	· 669
10 " 10,000 "	2,200	3	1	· 70	2,200	· 96250	2,641	· 8593	2,164	· 077
11 " 11,000 "	2,421	0	0	· 47	2,421	· 05875	2,906	· 0452	2,380	· 484
12 " 12,000 "	2,641	0	1	· 24	2,641	· 15500	3,170	· 2312	2,596	· 892
13 " 13,000 "	2,861	1	0	· 01	2,861	· 25125	3,434	· 4171	2,813	· 300
14 " 14,000 "	3,081	1	0	· 78	3,081	· 34750	3,698	· 6030	3,029	· 708
15 " 15,000 "	3,301	1	1	· 55	3,301	· 44375	3,962	· 7890	3,246	· 115
16 " 16,000 "	3,521	2	0	· 32	3,521	· 54000	4,226	· 9749	3,462	· 523
17 " 17,000 "	3,741	2	1	· 09	3,741	· 63625	4,491	· 1608	3,678	· 931
18 " 18,000 "	3,961	2	1	· 86	3,961	· 73250	4,755	· 3468	3,895	· 338
19 " 19,000 "	4,181	3	0	· 63	4,181	· 82875	5,019	· 5327	4,111	· 746
20 " 20,000 "	4,401	3	1	· 40	4,401	· 92500	5,283	· 7186	4,328	· 154
21 " 21,000 "	4,622	0	0	· 17	4,622	· 02125	5,547	· 9045	4,544	· 561
22 " 22,000 "	4,842	0	0	· 94	4,842	· 11750	5,812	· 0905	4,760	· 969
23 " 23,000 "	5,062	0	1	· 71	5,062	· 21375	6,076	· 2764	4,977	· 377
24 " 24,000 "	5,282	1	0	· 48	5,282	· 31000	6,340	· 4623	5,193	· 784
25 " 25,000 "	5,502	1	1	· 25	5,502	· 40625	6,604	· 6483	5,410	· 192
26 " 26,000 "	5,722	2	0	· 02	5,722	· 50250	6,868	· 8342	5,626	· 600
27 " 27,000 "	5,942	2	0	· 79	5,942	· 59875	7,133	· 0201	5,843	· 007
28 " 28,000 "	6,162	2	1	· 56	6,162	· 69500	7,397	· 2061	6,059	· 415
29 " 29,000 "	6,382	3	0	· 33	6,382	· 79125	7,661	· 3920	6,275	· 823
30 " 30,000 "	6,602	3	1	· 10	6,602	· 88750	7,925	· 5779	6,492	· 230
31 " 31,000 "	6,822	3	1	· 87	6,822	· 98375	8,189	· 7639	6,708	· 638
32 " 32,000 "	7,043	0	0	· 64	7,043	· 08000	8,453	· 9498	6,925	· 046
33 " 33,000 "	7,263	0	1	· 41	7,263	· 17625	8,718	· 1357	7,141	· 453
34 " 34,000 "	7,483	1	0	· 18	7,483	· 27250	8,982	· 3216	7,357	· 861
35 " 35,000 "	7,703	1	0	· 95	7,703	· 36875	9,246	· 5076	7,574	· 269
36 " 36,000 "	7,923	1	1	· 72	7,923	· 46500	9,510	· 6935	7,790	· 676
37 " 37,000 "	8,143	2	0	· 49	8,143	· 56125	9,774	· 8794	8,007	· 084
38 " 38,000 "	8,363	2	1	· 26	8,363	· 65750	10,039	· 0654	8,223	· 492
39 " 39,000 "	8,583	3	0	· 03	8,583	· 75375	10,303	· 2513	8,439	· 899
40 " 40,000 "	8,803	3	0	· 80	8,803	· 85000	10,567	· 4372	8,656	· 307
41 " 41,000 "	9,023	3	1	· 57	9,023	· 94625	10,831	· 6232	8,872	· 715
42 " 42,000 "	9,244	0	0	· 34	9,244	· 04250	11,095	· 8091	9,089	· 123
43 " 43,000 "	9,464	0	1	· 11	9,464	· 13875	11,359	· 9950	9,305	· 530
44 " 44,000 "	9,684	0	1	· 88	9,684	· 23500	11,624	· 1810	9,521	· 938
45 " 45,000 "	9,904	1	0	· 65	9,904	· 33125	11,888	· 3669	9,738	· 346
46 " 46,000 "	10,124	1	1	· 42	10,124	· 42750	12,152	· 5528	9,954	· 753
47 " 47,000 "	10,344	2	0	· 19	10,344	· 52375	12,416	· 7387	10,171	· 161
48 " 48,000 "	10,564	2	0	· 96	10,564	· 62000	12,680	· 9247	10,387	· 569
49 " 49,000 "	10,784	2	1	· 73	10,784	· 71625	12,945	· 1106	10,603	· 976
50 " 50,000 "	11,004	3	0	· 50	11,004	· 81250	13,209	· 2965	10,820	· 384
51 " 51,000 "	11,224	3	1	· 27	11,224	· 90875	13,473	· 4825	11,036	· 792
52 " 52,000 "	11,445	0	0	· 04	11,445	· 00500	13,737	· 6684	11,253	· 199
53 " 53,000 "	11,665	0	0	· 81	11,665	· 10125	14,001	· 8543	11,469	· 607
54 " 54,000 "	11,885	0	1	· 58	11,885	· 19750	14,266	· 0403	11,686	· 015
55 " 55,000 "	12,105	1	0	· 35	12,105	· 29375	14,530	· 2262	11,902	· 422

MEASURES OF CAPACITY.

II.—Metric converted into (British) Liquid.

						OR THUS		OLD WINE MEASURE.		OLD ALE & BEER MEASURE.	
		Gallons.	Quarts.	Pints.	dec.	Gallons.	dec.	Gallons.	dec.	Gallons.	dec.
56	Kilolitres, or 56,000 litres,	12,325	1	1	· 12	12,325	· 39000	14,794	· 4121	12,118	· 830
57	" 57,000 "	12,545	1	1	· 89	12,545	· 48625	15,058	· 5981	12,335	· 238
58	" 58,000 "	12,765	2	0	· 66	12,765	· 58250	15,322	· 7840	12,551	· 645
59	" 59,000 "	12,985	2	1	· 43	12,985	· 67875	15,586	· 9699	12,768	· 053
60	" 60,000 "	13,205	3	0	· 20	13,205	· 77500	15,851	· 1558	12,984	· 461
61	" 61,000 "	13,425	3	0	· 97	13,425	· 87125	16,115	· 3418	13,200	· 868
62	" 62,000 "	13,645	3	1	· 74	13,645	· 96750	16,379	· 5277	13,417	· 276
63	" 63,000 "	13,866	0	0	· 51	13,866	· 06375	16,643	· 7136	13,633	· 684
64	" 64,000 "	14,086	0	1	· 28	14,086	· 16000	16,907	· 8996	13,850	· 091
65	" 65,000 "	14,306	1	0	· 05	14,306	· 25625	17,172	· 0855	14,066	· 499
66	" 66,000 "	14,526	1	0	· 82	14,526	· 35250	17,436	· 2714	14,282	· 907
67	" 67,000 "	14,746	1	1	· 59	14,746	· 44875	17,700	· 4574	14,499	· 314
68	" 68,000 "	14,966	2	0	· 36	14,966	· 54500	17,964	· 6433	14,715	· 722
69	" 69,000 "	15,186	2	1	· 13	15,186	· 64125	18,228	· 8292	14,932	· 130
70	" 70,000 "	15,406	2	1	· 90	15,406	· 73750	18,493	· 0152	15,148	· 538
71	" 71,000 "	15,626	3	0	· 67	15,626	· 83375	18,757	· 2011	15,364	· 945
72	" 72,000 "	15,846	3	1	· 44	15,846	· 93000	19,021	· 3871	15,581	· 353
73	" 73,000 "	16,067	0	0	· 21	16,067	· 02625	19,285	· 5729	15,797	· 761
74	" 74,000 "	16,287	0	0	· 98	16,287	· 12250	19,549	· 7589	16,014	· 168
75	" 75,000 "	16,507	0	1	· 75	16,507	· 21875	19,813	· 9448	16,230	· 576
76	" 76,000 "	16,727	1	0	· 52	16,727	· 31500	20,078	· 1307	16,446	· 984
77	" 77,000 "	16,947	1	1	· 29	16,947	· 41125	20,342	· 3167	16,663	· 391
78	" 78,000 "	17,167	2	0	· 06	17,167	· 50750	20,606	· 5026	16,879	· 799
79	" 79,000 "	17,387	2	0	· 83	17,387	· 60375	20,870	· 6885	17,096	· 206
80	" 80,000 "	17,607	2	1	· 60	17,607	· 70000	21,134	· 8745	17,312	· 614
81	" 81,000 "	17,827	3	0	· 37	17,827	· 79625	21,399	· 0604	17,529	· 022
82	" 82,000 "	18,047	3	1	· 14	18,047	· 89250	21,663	· 2463	17,745	· 430
83	" 83,000 "	18,267	3	1	· 91	18,267	· 98875	21,927	· 4323	17,961	· 837
84	" 84,000 "	18,488	0	0	· 68	18,488	· 08500	22,191	· 6182	18,178	· 245
85	" 85,000 "	18,708	0	1	· 45	18,708	· 18125	22,455	· 8041	18,394	· 653
86	" 86,000 "	18,928	1	0	· 22	18,928	· 27750	22,719	· 9900	18,611	· 060
87	" 87,000 "	19,148	1	0	· 99	19,148	· 37375	22,984	· 1750	18,827	· 468
88	" 88,000 "	19,368	1	1	· 76	19,368	· 47000	23,248	· 3619	19,043	· 876
89	" 89,000 "	19,588	2	0	· 53	19,588	· 56625	23,512	· 5478	19,260	· 283
90	" 90,000 "	19,808	2	1	· 30	19,808	· 66250	23,776	· 7338	19,476	· 691
91	" 91,000 "	20,028	3	0	· 07	20,028	· 75875	24,040	· 9197	19,693	· 099
92	" 92,000 "	20,248	3	0	· 84	20,248	· 85500	24,305	· 1056	19,909	· 506
93	" 93,000 "	20,468	3	1	· 61	20,468	· 95125	24,569	· 2916	20,125	· 914
94	" 94,000 "	20,689	0	0	· 38	20,689	· 04750	24,833	· 4775	20,342	· 322
95	" 95,000 "	20,909	0	1	· 15	20,909	· 14375	25,097	· 6634	20,558	· 730
96	" 96,000 "	21,129	0	1	· 92	21,129	· 24000	25,361	· 8494	20,775	· 137
97	" 97,000 "	21,349	1	0	· 69	21,349	· 33625	25,626	· 0353	20,991	· 545
98	" 98,000 "	21,569	1	1	· 46	21,569	· 43250	25,890	· 2212	21,207	· 953
99	" 99,000 "	21,789	2	0	· 23	21,789	· 52875	26,154	· 4071	21,424	· 360
100	" 100,000 "	22,009	2	1	· 00	22,009	· 625	26,418	· 593	21,640	· 768
200	" 200,000 "	44,019	1	0		44,019	· 250	52,837	· 186	43,281	· 536
300	" 300,000 "	66,028	3	1		66,028	· 875	79,255	· 779	64,922	· 304
400	" 400,000 "	88,038	2	0		88,038	· 500	105,674	· 372	86,563	· 072
500	" 500,000 "	110,048	0	1		110,048	· 125	132,092	· 965	108,203	· 839
600	" 600,000 "	132,057	3	0		132,057	· 750	158,511	· 588	129,844	· 607

MEASURES OF CAPACITY.

III.—Dry Measure converted into Metric.

	Kilo- litres.	Hecto- litres.	Deka- litres.	Litres.	Deci- litres.	Centi- litres.	dec.	EQUIVALENTS				
								Of which the Cubic Measurement is			Which if filled with Pure Water the Weight would be	
								Cubic Metres	Cubic Decimetres.	dec.	Kilo- grams.	dec.
1 pint, . . .	...	...	...	...	5	6	7933	...	0	568	0	568
1 quart, . . .	...	...	...	1	1	3	5867	...	1	136	1	136
2 " . . .	...	...	...	2	2	7	1733	...	2	272	2	272
3 " . . .	...	...	...	3	4	0	7600	...	3	408	3	408
1 gallon, . . .	...	...	...	4	5	4	3467	...	4	543	4	543
1 peck, . . .	...	...	...	9	0	8	6934	...	9	087	9	087
2 " . . .	...	...	1	8	1	7	3867	...	18	174	18	174
3 " . . .	...	...	2	7	2	6	0801	...	27	261	27	261
1 bushel, . . .	...	...	3	6	3	4	7734	...	36	348	36	348
2 " . . .	...	...	7	2	6	9	5468	...	72	695	72	695
3 " . . .	...	1	0	9	0	4	3203	...	109	043	109	043
4 " . . .	...	1	4	5	3	9	0937	...	145	391	145	391
5 " . . .	...	1	8	1	7	3	8671	...	181	739	181	739
6 " . . .	...	2	1	8	0	8	6405	...	218	086	218	086
7 " . . .	...	2	5	4	4	3	4140	...	254	434	254	434
1 quarter, . . .	...	2	9	0	7	8	1874	...	290	782	290	782
2 " . . .	...	5	8	1	5	6	3748	...	581	564	581	564
3 " . . .	...	8	7	2	3	4	5621	...	872	346	872	346
4 " . . .	1	1	6	3	1	2	7495	1	163	127	1,163	127
5 " . . .	1	4	5	3	9	0	9369	1	453	909	1,453	909
6 " . . .	1	7	4	4	6	9	1243	1	744	691	1,744	691
7 " . . .	2	0	3	5	4	7	3117	2	035	473	2,035	473
8 " . . .	2	3	2	6	2	5	4991	2	326	255	2,326	255
9 " . . .	2	6	1	7	0	3	6864	2	617	037	2,617	037
10 " . . .	2	9	0	7	8	1	8738	2	907	819	2,907	819
11 " . . .	3	1	9	8	6	0	0612	3	198	601	3,198	601
12 " . . .	3	4	8	9	3	8	2486	3	489	382	3,489	382
13 " . . .	3	7	8	0	1	6	4360	3	780	164	3,780	164
14 " . . .	4	0	7	0	9	4	6233	4	070	946	4,070	946
15 " . . .	4	3	6	1	7	2	8107	4	361	728	4,361	728
16 " . . .	4	6	5	2	5	0	9981	4	652	510	4,652	510
17 " . . .	4	9	4	3	2	9	1855	4	943	292	4,943	292
18 " . . .	5	2	3	4	0	7	3729	5	234	074	5,234	074
19 " . . .	5	5	2	4	8	5	5603	5	524	856	5,524	856
20 " . . .	5	8	1	5	6	3	7476	5	815	637	5,815	637
21 " . . .	6	1	0	6	4	1	9350	6	106	419	6,106	419
22 " . . .	6	3	9	7	2	0	1224	6	397	201	6,397	201
23 " . . .	6	6	8	7	9	8	3098	6	687	983	6,687	983
24 " . . .	6	9	7	8	7	6	4972	6	978	765	6,978	765
25 " . . .	7	2	6	9	5	4	6845	7	269	547	7,269	547
26 " . . .	7	5	6	0	3	2	8719	7	560	329	7,560	329
27 " . . .	7	8	5	1	1	1	0593	7	851	111	7,851	111
28 " . . .	8	1	4	1	8	9	2467	8	141	892	8,141	892
29 " . . .	8	4	3	2	6	7	4341	8	432	674	8,432	674
30 " . . .	8	7	2	3	4	5	6215	8	723	456	8,723	456
31 " . . .	9	0	1	4	2	3	8088	9	014	238	9,014	238
32 " . . .	9	3	0	5	0	1	9962	9	305	020	9,305	020
33 " . . .	9	5	9	5	8	0	1836	9	595	802	9,595	802
34 " . . .	9	8	8	6	5	8	3710	9	886	584	9,886	584
35 " . . .	10	1	7	7	3	6	5584	10	177	366	10,177	366

MEASURES OF CAPACITY.

III.—Dry Measure converted into Metric.

								EQUIVALENTS				
	Kilo- litres.	Hecto- litres.	Deka- litres.	Litres.	Deci- litres.	Centi- litres.	decimals.	Of which the Cubic Measurement is			Which if filled with Pure Water the Weight would be	
								Cubic Metres.	Cubic Deci- metres.	dec.	Kilograms.	dec.
36 quarters, . . .	10	4	6	8	1	4	7457	10	468	15	10,468	15
37 " . . .	10	7	5	8	9	2	9331	10	758	93	10,758	93
38 " . . .	11	0	4	9	7	1	1205	11	049	71	11,049	71
39 " . . .	11	3	4	0	4	9	3079	11	340	49	11,340	49
40 " . . .	11	6	3	1	2	7	4953	11	631	27	11,631	27
41 " . . .	11	9	2	2	0	5	6827	11	922	06	11,922	06
42 " . . .	12	2	1	2	8	3	8700	12	212	84	12,212	84
43 " . . .	12	5	0	3	6	2	0574	12	503	62	12,503	62
44 " . . .	12	7	9	4	4	0	2448	12	794	40	12,794	40
45 " . . .	13	0	8	5	1	8	4322	13	085	18	13,085	18
46 " . . .	13	3	7	5	9	6	6196	13	375	97	13,375	97
47 " . . .	13	6	6	6	7	4	8069	13	666	75	13,666	75
48 " . . .	13	9	5	7	5	2	9943	13	957	53	13,957	53
49 " . . .	14	2	4	8	3	1	1817	14	248	31	14,248	31
50 " . . .	14	5	3	9	0	9	3691	14	539	09	14,539	09
51 " . . .	14	8	2	9	8	7	5565	14	829	88	14,829	88
52 " . . .	15	1	2	0	6	5	7439	15	120	66	15,120	66
53 " . . .	15	4	1	1	4	3	9312	15	411	44	15,411	44
54 " . . .	15	7	0	2	2	2	1186	15	702	22	15,702	22
55 " . . .	15	9	9	3	0	0	3060	15	993	00	15,993	00
56 " . . .	16	2	8	3	7	8	4934	16	283	78	16,283	78
57 " . . .	16	5	7	4	5	6	6808	16	574	57	16,574	57
58 " . . .	16	8	6	5	3	4	8681	16	865	35	16,865	35
59 " . . .	17	1	5	6	1	3	0555	17	156	13	17,156	13
60 " . . .	17	4	4	6	9	1	2429	17	446	91	17,446	91
61 " . . .	17	7	3	7	6	9	4303	17	737	69	17,737	69
62 " . . .	18	0	2	8	4	7	6177	18	028	48	18,028	48
63 " . . .	18	3	1	9	2	5	8051	18	319	26	18,319	26
64 " . . .	18	6	1	0	0	3	9924	18	610	04	18,610	04
65 " . . .	18	9	0	0	8	2	1798	18	900	82	18,900	82
66 " . . .	19	1	9	1	6	0	3672	19	191	60	19,191	60
67 " . . .	19	4	8	2	3	8	5546	19	482	39	19,482	39
68 " . . .	19	7	7	3	1	6	7420	19	773	17	19,773	17
69 " . . .	20	0	6	3	9	4	9293	20	063	95	20,063	95
70 " . . .	20	3	5	4	7	3	1167	20	354	73	20,354	73
71 " . . .	20	6	4	5	5	1	3041	20	645	51	20,645	51
72 " . . .	20	9	3	6	2	9	4915	20	936	29	20,936	29
73 " . . .	21	2	2	7	0	7	6789	21	227	08	21,227	08
74 " . . .	21	5	1	7	8	5	8663	21	517	86	21,517	86
75 " . . .	21	8	0	8	6	4	0536	21	808	64	21,808	64
76 " . . .	22	0	9	9	4	2	2410	22	099	42	22,099	42
77 " . . .	22	3	9	0	2	0	4284	22	390	20	22,390	20
78 " . . .	22	6	8	0	9	8	6158	22	680	99	22,680	99
79 " . . .	22	9	7	1	7	6	8032	22	971	77	22,971	77
80 " . . .	23	2	6	2	5	4	9905	23	262	55	23,262	55
81 " . . .	23	5	5	3	3	3	1779	23	553	33	23,553	33
82 " . . .	23	8	4	4	1	1	3653	23	844	11	23,844	11
83 " . . .	24	1	3	4	8	9	5527	24	134	90	24,134	90
84 " . . .	24	4	2	5	6	7	7401	24	425	68	24,425	68
85 " . . .	24	7	1	6	4	5	9274	24	716	46	24,716	46

MEASURES OF CAPACITY.

III.—Dry Measure converted into Metric.

								EQUIVALENTS		
	Kilolitres.	Hecto-litres.	Deka-litres.	Litres.	Deci-litres.	Centi-litres.	dec.	Of which the Cubic Measurement is		Which if filled with Pure Water the Weight would be
								Cubic Metres.	Deci- dec. metres.	Kilograms. dec.
86 quarters,	25	0	0	7	2	4	· 1148	25	007 . 2	25,007 . 24
87 "	25	2	9	8	0	2	· 3022	25	298 . 0	25,298 . 02
88 "	25	5	8	8	8	0	· 4896	25	588 . 8	25,588 . 80
89 "	25	8	7	9	5	8	· 6770	25	879 . 6	25,879 . 59
90 "	26	1	7	0	3	6	· 8644	26	170 . 4	26,170 . 37
91 "	26	4	6	1	1	5	· 0517	26	461 . 2	26,461 . 15
92 "	26	7	5	1	9	3	· 2391	26	751 . 9	26,751 . 93
93 "	27	0	4	2	7	1	· 4265	27	042 . 7	27,042 . 71
94 "	27	3	3	3	4	9	· 6139	27	333 . 5	27,333 . 50
95 "	27	6	2	4	2	7	· 8013	27	624 . 3	27,624 . 28
96 "	27	9	1	5	0	5	· 9886	27	915 . 1	27,915 . 06
97 "	28	2	0	5	8	4	· 1760	28	205 . 8	28,205 . 84
98 "	28	4	9	6	6	2	· 3634	28	496 . 6	28,496 . 62
99 "	28	7	8	7	4	0	· 5508	28	787 . 4	28,787 . 41
100 " or 6,400 gals.,	29	0	7	8	1	8	· 7382	29	078 . 2	29,078 . 19
200 "	58	1	5	6	3	7	· 476	58	156 . 4	58,156 . 37
300 "	87	2	3	4	5	6	· 215	87	234 . 6	87,234 . 56
400 "	116	3	1	2	7	4	· 953	116	312 . 7	116,312 . 75
500 "	145	3	9	0	9	3	· 691	145	390 . 9	145,390 . 94
600 "	174	4	6	9	1	2	· 429	174	469 . 1	174,469 . 12
700 "	203	5	4	7	3	1	· 167	203	547 . 3	203,547 . 31
800 "	232	6	2	5	4	9	· 905	232	625 . 5	232,625 . 50
900 "	261	7	0	3	6	8	· 644	261	703 . 7	261,703 . 69
1,000 " or 64,000 gals.,	290	7	8	1	8	7	· 382	290	781 . 9	290,781 . 87
1,100 "	319	8	6	0	0	6	· 120	319	860 . 1	319,860 . 06
1,200 "	348	9	3	8	2	4	· 858	348	938 . 2	348,938 . 25
1,300 "	378	0	1	6	4	3	· 596	378	016 . 4	378,016 . 44
1,400 "	407	0	9	4	6	2	· 334	407	094 . 6	407,094 . 62
1,500 "	436	1	7	2	8	1	· 073	436	172 . 8	436,172 . 81
1,600 "	465	2	5	0	9	9	· 811	465	251 . 0	465,251 . 00
1,700 "	494	3	2	9	1	8	· 549	494	329 . 2	494,329 . 19
1,800 "	523	4	0	7	3	7	· 287	523	407 . 4	523,407 . 37
1,900 "	552	4	8	5	5	6	· 025	552	485 . 6	552,485 . 56
2,000 "	581	5	6	3	7	4	· 764	581	563 . 7	581,563 . 75
3,000 "	872	3	4	5	6	2	· 145	872	345 . 6	872,345 . 62
4,000 "	1,163	1	2	7	4	9	· 527	1,163	127 . 5	1,163,127 . 50
5,000 "	1,453	9	0	9	3	6	· 909	1,453	909 . 4	1,453,909 . 37
6,000 "	1,744	6	9	1	2	4	· 291	1,744	691 . 2	1,744,691 . 24
7,000 "	2,035	4	7	3	1	1	· 672	2,035	473 . 1	2,035,473 . 12
8,000 "	2,326	2	5	4	9	9	· 054	2,326	255 . 0	2,326,255 . 99
9,000 "	2,617	0	3	6	8	6	· 436	2,617	036 . 9	2,617,036 . 86
10,000 " or 640,000 gals.,	2,907	8	1	8	7	3	· 82	2,907	818 . 7	2,907,818 . 74
20,000 "	5,815	6	3	7	4	7	· 64	5,815	637 . 5	5,815,637 . 48
30,000 "	8,723	4	5	6	2	1	· 45	8,723	456 . 2	8,723,456 . 21
40,000 "	11,631	2	7	4	9	5	· 27	11,631	275 . 0	11,631,275 . 00
50,000 "	14,539	0	9	3	6	9	· 09	14,539	093 . 7	14,539,093 . 69
60,000 "	17,446	9	1	2	4	2	· 91	17,446	912 . 4	17,446,912 . 43
70,000 "	20,354	7	3	1	1	6	· 72	20,354	731 . 2	20,354,731 . 17
80,000 "	23,262	5	4	9	9	0	· 54	23,262	549 . 9	23,262,549 . 91
90,000 "	26,170	3	6	8	6	4	· 36	26,170	368 . 6	26,170,368 . 64

MEASURES OF CAPACITY.

IV.—Metric converted into Dry Measure.

	Qrtrs.	Bush.	Pecks.	Galls.	Quarts.	Pints.	dec.	OR THUS	OR THUS	OLD DRY MEASURE.
								Quarters. dec.	Bushels. dec.	Winchester Bushels. dec.
1 Centilitre,	0	0.0176	0.00003	0.00028	0.00028
2 "	0	0.0352	0.00007	0.00055	0.00057
3 "	0	0.0528	0.00010	0.00083	0.00085
4 "	0	0.0704	0.00014	0.00110	0.00114
5 "	0	0.0880	0.00017	0.00138	0.00142
6 "	0	0.1056	0.00021	0.00165	0.00170
7 "	0	0.1233	0.00024	0.00193	0.00199
8 "	0	0.1409	0.00028	0.00220	0.00227
9 "	0	0.1585	0.00031	0.00248	0.00255
1 Decilitre,	0	0.1761	0.00034	0.00275	0.00284
2 "	0	0.3522	0.00069	0.00550	0.00568
3 "	0	0.5282	0.00103	0.00825	0.00851
4 "	0	0.7043	0.00138	0.01100	0.01135
5 "	0	0.8804	0.00172	0.01376	0.01419
6 "	1	0.0565	0.00206	0.01651	0.01703
7 "	1	0.2325	0.00241	0.01926	0.01987
8 "	1	0.4086	0.00275	0.02201	0.02270
9 "	1	0.5847	0.00310	0.02476	0.02554
1 Litre,	1	0.7608	0.00344	0.02751	0.02838
2 "	1	1	0.5215	0.00688	0.05502	0.05676
3 "	2	1	0.2823	0.01032	0.08254	0.08514
4 "	3	1	0.0431	0.01376	0.11005	0.11352
5 "	1	0	0	0.8039	0.01720	0.13756	0.14190
6 "	1	1	0	0.5646	0.02063	0.16507	0.17027
7 "	1	2	0	0.3254	0.02407	0.19258	0.19865
8 "	1	3	0	0.0862	0.02751	0.22010	0.22703
9 "	1	3	1	0.8469	0.03095	0.24761	0.25541
1 Dekalitre, or 10 litres,	1	0	0	1	0.6077	0.03439	0.27512	0.28379
2 " 20 "	2	0	1	1	0.2154	0.06878	0.55024	0.56758
3 " 30 "	3	0	2	0	0.8231	0.10317	0.82536	0.85137
4 " 40 "	1	0	0	3	0	0.4308	0.13756	1.10048	1.13516
5 " 50 "	1	1	1	0	0	0.0385	0.17195	1.37560	1.41895
6 " 60 "	1	2	1	0	1	0.6462	0.20634	1.65072	1.70275
7 " 70 "	1	3	1	1	1	0.2539	0.24073	1.92584	1.98654
8 " 80 "	2	0	1	2	0	0.8616	0.27512	2.20096	2.27033
9 " 90 "	2	1	1	3	0	0.4693	0.30951	2.47608	2.55412
1 Hectolitre, 100 "	2	3	0	0	0	0.077	0.34390	2.75120	2.83791
2 " 200 "	5	2	0	0	0	0.154	0.68780	5.50241	5.67582
3 " 300 "	1	0	1	0	0	0.231	1.03170	8.25361	8.51373
4 " 400 "	1	3	0	0	0	0.308	1.37560	11.00481	11.35164
5 " 500 "	1	5	3	0	0	0.385	1.71950	13.75602	14.18955
6 " 600 "	2	0	2	0	0	0.462	2.06340	16.50722	17.02746
7 " 700 "	2	3	1	0	0	0.539	2.40730	19.25842	19.86536
8 " 800 "	2	6	0	0	0	0.616	2.75120	22.00962	22.70327
9 " 900 "	3	0	3	0	0	0.693	3.09510	24.76083	25.54118
1 Kilolitre, 1,000 "	3	3	2	0	0	0.77	3.43900	27.512	28.379
2 " 2,000 "	6	7	0	0	1	0.54	6.878	55.024	56.758
3 " 3,000 "	10	2	2	0	1	0.31	10.317	82.536	85.137
4 " 4,000 "	13	6	0	0	1	1.08	13.756	110.048	113.516
5 " 5,000 "	17	1	2	0	1	1.85	17.195	137.560	141.895

MEASURES OF CAPACITY.

IV.—Metric converted into Dry Measure.

	Qtrs.	Bush.	Pks.	Gls.	Qtrs.	Pints.	dec.	OR THUS		OR THUS		OLD DRY MEASURE.	
								Quarters.	dec.	Bushels.	dec.	Winchester Bushels.	dec.
6 Kilolitres, or 6,000 litres,	20	5	0	0	2	0	· 62	20	· 634	165	· 072	170	· 275
7 " 7,000 "	24	0	2	0	2	1	· 39	24	· 073	192	· 584	198	· 654
8 " 8,000 "	27	4	0	0	3	0	· 16	27	· 512	220	· 096	227	· 033
9 " 9,000 "	30	7	2	0	3	0	· 93	30	· 951	247	· 608	255	· 412
10 " 10,000 "	34	3	0	0	3	1	· 70	34	· 390	275	· 120	283	· 791
11 " 11,000 "	37	6	2	1	0	0	· 47	37	· 829	302	· 632	312	· 170
12 " 12,000 "	41	2	0	1	0	1	· 24	41	· 268	330	· 144	340	· 549
13 " 13,000 "	44	5	2	1	1	0	· 01	44	· 707	357	· 656	368	· 928
14 " 14,000 "	48	1	0	1	1	0	· 78	48	· 146	385	· 168	397	· 307
15 " 15,000 "	51	4	2	1	1	1	· 55	51	· 585	412	· 680	425	· 686
16 " 16,000 "	55	0	0	1	2	0	· 32	55	· 024	440	· 192	454	· 065
17 " 17,000 "	58	3	2	1	2	1	· 09	58	· 463	467	· 705	482	· 445
18 " 18,000 "	61	7	0	1	2	1	· 86	61	· 902	495	· 217	510	· 824
19 " 19,000 "	65	2	2	1	3	0	· 63	65	· 341	522	· 729	539	· 203
20 " 20,000 "	68	6	0	1	3	1	· 40	68	· 780	550	· 241	567	· 582
21 " 21,000 "	72	1	3	0	0	0	· 17	72	· 219	577	· 753	595	· 961
22 " 22,000 "	75	5	1	0	0	0	· 94	75	· 658	605	· 265	624	· 340
23 " 23,000 "	79	0	3	0	0	1	· 71	79	· 097	632	· 777	652	· 719
24 " 24,000 "	82	4	1	0	1	0	· 48	82	· 536	660	· 289	681	· 098
25 " 25,000 "	85	7	3	0	1	1	· 25	85	· 975	687	· 801	709	· 477
26 " 26,000 "	89	3	1	0	2	0	· 02	89	· 414	715	· 313	737	· 856
27 " 27,000 "	92	6	3	0	2	0	· 79	92	· 853	742	· 825	766	· 235
28 " 28,000 "	96	2	1	0	2	1	· 56	96	· 292	770	· 337	794	· 615
29 " 29,000 "	99	5	3	0	3	0	· 33	99	· 731	797	· 849	822	· 994
30 " 30,000 "	103	1	1	0	3	1	· 10	103	· 170	825	· 361	851	· 373
31 " 31,000 "	106	4	3	0	3	1	· 87	106	· 609	852	· 873	879	· 752
32 " 32,000 "	110	0	1	1	0	0	· 64	110	· 048	880	· 385	908	· 131
33 " 33,000 "	113	3	3	1	0	1	· 41	113	· 487	907	· 897	936	· 510
34 " 34,000 "	116	7	1	1	1	0	· 18	116	· 926	935	· 409	964	· 889
35 " 35,000 "	120	2	3	1	1	0	· 95	120	· 365	962	· 921	993	· 268
36 " 36,000 "	123	6	1	1	1	1	· 72	123	· 804	990	· 433	1,021	· 647
37 " 37,000 "	127	1	3	1	2	0	· 49	127	· 243	1,017	· 945	1,050	· 026
38 " 38,000 "	130	5	1	1	2	1	· 26	130	· 682	1,045	· 457	1,078	· 405
39 " 39,000 "	134	0	3	1	3	0	· 03	134	· 121	1,072	· 969	1,106	· 785
40 " 40,000 "	137	4	1	1	3	0	· 80	137	· 560	1,100	· 481	1,135	· 164
41 " 41,000 "	140	7	3	1	3	1	· 57	140	· 999	1,127	· 993	1,163	· 543
42 " 42,000 "	144	3	2	0	0	0	· 34	144	· 438	1,155	· 505	1,191	· 922
43 " 43,000 "	147	7	0	0	0	1	· 11	147	· 877	1,183	· 017	1,220	· 301
44 " 44,000 "	151	2	2	0	0	1	· 88	151	· 316	1,210	· 529	1,248	· 680
45 " 45,000 "	154	6	0	0	1	0	· 65	154	· 755	1,238	· 041	1,277	· 059
46 " 46,000 "	158	1	2	0	1	1	· 42	158	· 194	1,265	· 553	1,305	· 438
47 " 47,000 "	161	5	0	0	2	0	· 19	161	· 433	1,293	· 065	1,333	· 817
48 " 48,000 "	165	0	2	0	2	0	· 96	165	· 072	1,320	· 577	1,362	· 196
49 " 49,000 "	168	4	0	0	2	1	· 73	168	· 511	1,348	· 090	1,390	· 576
50 " 50,000 "	171	7	2	0	3	0	· 50	171	· 950	1,375	· 602	1,418	· 955
51 " 51,000 "	175	3	0	0	3	1	· 27	175	· 389	1,403	· 114	1,447	· 334
52 " 52,000 "	178	6	2	1	0	0	· 04	178	· 828	1,430	· 626	1,475	· 713
53 " 53,000 "	182	2	0	1	0	0	· 81	182	· 267	1,458	· 138	1,504	· 092
54 " 54,000 "	185	5	2	1	0	1	· 58	185	· 706	1,485	· 650	1,532	· 471
55 " 55,000 "	189	1	0	1	1	0	· 35	189	· 145	1,513	· 162	1,560	· 850

MEASURES OF CAPACITY.

IV.—Metric converted into Dry Measure.

	Qrtrs.	Bush.	Pkts.	Gls.	Qrtrs.	Pts.	dec.	OR THUS		OR THUS		OLD DRY MEASURE.	
								Quarters.	dec.	Bushels.	dec.	Winchester Bushels.	dec.
56 Kilolitres or 56,000 litres,	192	4	2	1	1	1	·12	192	·584	1,540	·674	1,589	·229
57 „ 57,000 „	196	0	0	1	1	1	·89	196	·023	1,568	·186	1,617	·608
58 „ 58,000 „	199	3	2	1	2	0	·66	199	·462	1,595	·698	1,645	·987
59 „ 59,000 „	202	7	0	1	2	1	·43	202	·901	1,623	·210	1,674	·366
60 „ 60,000 „	206	2	2	1	3	0	·20	206	·340	1,650	·722	1,702	·745
61 „ 61,000 „	209	6	0	1	3	0	·97	209	·779	1,678	·234	1,731	·125
62 „ 62,000 „	213	1	2	1	3	1	·74	213	·218	1,705	·746	1,759	·504
63 „ 63,000 „	216	5	1	0	0	0	·51	216	·657	1,733	·258	1,787	·883
64 „ 64,000 „	220	0	3	0	0	1	·28	220	·096	1,760	·770	1,816	·262
65 „ 65,000 „	223	4	1	0	1	0	·05	223	·535	1,788	·282	1,844	·641
66 „ 66,000 „	226	7	3	0	1	0	·82	226	·974	1,815	·794	1,873	·020
67 „ 67,000 „	230	3	1	0	1	1	·59	230	·413	1,843	·306	1,901	·399
68 „ 68,000 „	233	6	3	0	2	0	·36	233	·852	1,870	·818	1,929	·778
69 „ 69,000 „	237	2	1	0	2	1	·13	237	·291	1,898	·330	1,958	·157
70 „ 70,000 „	240	5	3	0	2	1	·90	240	·730	1,925	·842	1,986	·536
71 „ 71,000 „	244	1	1	0	3	0	·67	244	·169	1,953	·354	2,014	·916
72 „ 72,000 „	247	4	3	0	3	1	·44	247	·608	1,980	·866	2,043	·295
73 „ 73,000 „	251	0	1	1	0	0	·21	251	·047	2,008	·378	2,071	·674
74 „ 74,000 „	254	3	3	1	0	0	·98	254	·486	2,035	·890	2,100	·053
75 „ 75,000 „	257	7	1	1	0	1	·75	257	·925	2,063	·402	2,128	·432
76 „ 76,000 „	261	2	3	1	1	0	·52	261	·364	2,090	·914	2,156	·811
77 „ 77,000 „	264	6	1	1	1	1	·29	264	·803	2,118	·426	2,185	·190
78 „ 78,000 „	268	1	3	1	2	0	·06	268	·242	2,145	·938	2,213	·569
79 „ 79,000 „	271	5	1	1	2	0	·83	271	·681	2,173	·450	2,241	·948
80 „ 80,000 „	275	0	3	1	2	1	·60	275	·120	2,200	·962	2,270	·327
81 „ 81,000 „	278	4	1	1	3	0	·37	278	·559	2,228	·475	2,298	·706
82 „ 82,000 „	281	7	3	1	3	1	·14	281	·998	2,255	·987	2,327	·086
83 „ 83,000 „	285	3	1	1	3	1	·91	285	·437	2,283	·499	2,355	·465
84 „ 84,000 „	288	7	0	0	0	0	·68	288	·876	2,311	·011	2,383	·844
85 „ 85,000 „	292	2	2	0	0	1	·45	292	·315	2,338	·523	2,412	·223
86 „ 86,000 „	295	6	0	0	1	0	·22	295	·754	2,366	·035	2,440	·602
87 „ 87,000 „	299	1	2	0	1	0	·99	299	·193	2,393	·547	2,468	·981
88 „ 88,000 „	302	5	0	0	1	1	·76	302	·632	2,421	·059	2,497	·360
89 „ 89,000 „	306	0	2	0	2	0	·53	306	·071	2,448	·571	2,525	·739
90 „ 90,000 „	309	4	0	0	2	1	·30	309	·510	2,476	·083	2,554	·118
91 „ 91,000 „	312	7	2	0	3	0	·07	312	·949	2,503	·595	2,582	·497
92 „ 92,000 „	316	3	0	0	3	0	·84	316	·388	2,531	·107	2,610	·876
93 „ 93,000 „	319	6	2	0	3	1	·61	319	·827	2,558	·619	2,639	·256
94 „ 94,000 „	323	2	0	1	0	0	·38	323	·266	2,586	·131	2,667	·635
95 „ 95,000 „	326	5	2	1	0	1	·15	326	·705	2,613	·643	2,696	·014
96 „ 96,000 „	330	1	0	1	0	1	·92	330	·144	2,641	·155	2,724	·393
97 „ 97,000 „	333	4	2	1	1	0	·69	333	·583	2,668	·667	2,752	·772
98 „ 98,000 „	337	0	0	1	1	1	·46	337	·022	2,696	·179	2,781	·151
99 „ 99,000 „	340	3	2	1	2	0	·23	340	·461	2,723	·691	2,809	·530
100 „ 100,000 „	343	7	0	1	2	1	·00	343	·900	2,751	·203	2,837	·909
200 „ 200,000 „	687	6	1	1	1	0		687	·801	5,502	·406	5,675	·818
300 „ 300,000 „	1031	5	2	0	3	1		1,031	·701	8,253	·609	8,513	·728
400 „ 400,000 „	1375	4	3	0	2	0		1,375	·602	11,004	·813	11,351	·637
500 „ 500,000 „	1719	4	0	0	0	1		1,719	·502	13,756	·016	14,189	·546
600 „ 600,000 „	2063	3	0	1	3	0		2,063	·402	16,507	·219	17,027	·455

Old Measures of Capacity converted into Metric Measures.

OLD DRY MEASURE.	Metric Measures					OLD WINE MEASURE.	Metric Measures					OLD ALE MEASURE.	Metric Measures											
	Kilolitres.	Hectolitres.	Dekalitres.	Litres.	Centilitres.		Kilolitres.	Hectolitres.	Dekalitres.	Litres.	Centilitres.		Kilolitres.	Hectolitres.	Dekalitres.	Litres.	Centilitres.							
1 Winchester pint,	5	5	1 pint,	..	..	..	4	7	3151	1 pint,	..	..	..	5	7	7614					
1 " gallon,	4	4	1 quart,	..	..	..	4	4	6302	1 quart,	..	..	..	1	1	5	5227				
1 Winchester bushel,	3	3	1 gallon,	..	..	..	3	3	5208	1 gallon,	..	..	..	4	6	12	9908				
2	7	7	2	..	..	..	7	7	5555	2	..	..	..	9	9	1816					
3	0	0	3	..	..	..	1	1	355	3	..	..	..	1	8	8	2724				
4	1	1	4	..	..	..	1	6	14	4	..	..	..	1	8	4	2632				
5	1	1	5	..	..	..	1	8	9	2	..	..	..	2	3	1	4541				
6	2	2	6	..	..	..	2	2	22	7	..	..	..	2	2	3	5449				
7	2	2	7	..	..	..	2	2	6	4	..	..	..	2	2	3	6357				
8	2	2	8	..	..	..	2	0	2	8	..	..	..	3	6	9	7265				
8 " 1 quarter,	2	2	9	..	..	..	3	4	0	6	..	..	..	4	1	6	8	8173			
9	3	3	10	..	..	..	3	4	0	6	..	..	..	4	6	2	9081				
10	3	3	20	..	..	..	3	7	8	5	..	..	..	4	6	2	0	8162			
20	7	7	30	..	..	..	7	5	7	0	..	..	..	9	2	4	1	8162			
30	0	0	40	..	..	..	1	1	3	5	..	..	..	1	8	8	6	2	7244		
40	1	1	50	..	..	..	1	5	1	4	..	..	..	1	8	4	8	3	6	825	
50	1	1	60	..	..	..	1	8	9	2	..	..	..	2	3	1	0	4	5	4606	
60	2	2	70	..	..	..	2	2	7	1	..	..	..	2	7	7	2	5	4	4874	
70	2	2	80	..	..	..	2	6	4	9	..	..	..	3	2	3	4	6	3	3569	
80	2	2	90	..	..	..	3	0	2	8	..	..	..	3	6	9	6	7	2	2650	
90	3	3	100	..	..	..	3	4	0	6	..	..	..	4	1	5	8	8	1	1731	
100	3	3	200	..	..	..	3	7	8	5	..	..	..	4	6	2	0	9	0	9812	
200	7	7	300	..	..	..	7	5	7	0	..	..	..	9	2	4	1	8	1	1625	
300	0	0	400	..	..	..	1	1	3	5	..	..	..	1	3	8	6	2	7	2	2437
400	1	1	500	..	..	..	1	5	1	4	..	..	..	1	8	4	8	3	6	3	3249
500	1	1	600	..	..	..	1	8	9	2	..	..	..	2	3	1	0	4	5	4	4062
600	2	2	700	..	..	..	2	2	7	1	..	..	..	2	7	7	2	5	4	4	4874
700	2	2	800	..	..	..	2	6	4	9	..	..	..	3	2	3	4	6	3	6	5686
800	2	2	900	..	..	..	3	0	2	8	..	..	..	3	2	6	9	6	7	2	6499
900	3	3	1,000	..	..	..	3	4	0	6	..	..	..	4	1	5	8	8	1	1	7311
1,000	3	3	2,000	..	..	..	3	7	8	5	..	..	..	4	6	2	0	9	0	8	8123
2,000	7	7	3,000	..	..	..	7	5	7	0	..	..	..	9	2	4	1	8	1	9	6247
3,000	0	0	4,000	..	..	..	1	1	3	5	..	..	..	1	3	8	6	2	7	2	4370
4,000	4	4	5,000	..	..	..	1	1	3	5	..	..	..	1	8	6	2	7	2	2	4370
5,000	4	4	6,000	..	..	..	15	1	4	0	..	..	..	18	4	8	3	6	3	3	2493
6,000	2	2	7,000	..	..	..	18	9	2	6	..	..	..	23	1	0	4	5	4	4	0616
7,000	1	1	8,000	..	..	..	22	7	1	1	..	..	..	27	7	7	2	5	4	4	8740
8,000	2	2	9,000	..	..	..	26	4	9	6	..	..	..	32	3	4	6	3	5	5	6863
9,000	1	1	10,000	..	..	..	30	2	8	1	..	..	..	36	9	6	7	2	6	4	4986
10,000	3	3		..	..	..	37	8	5	2	..	..	..	41	5	8	8	1	7	7	3110

TABLE showing Gallons and Bushels reduced to the Decimal part of a Quarter.

		1 Gallon.	2 Gallons.	3 Gallons.	4 Gallons.	5 Gallons.	6 Gallons.	7 Gallons.
		015625	03125	046875	0625	078125	09375	109375
1 Bushel,	125	140625	15625	171875	1875	203125	21875	234375
2 "	250	265625	28125	296875	3125	328125	34875	359375
3 "	375	390625	40625	421875	4375	453125	46875	484375
4 "	500	515625	53125	546875	5625	578125	59375	609375
5 "	625	640625	65625	671875	6875	703125	71875	734375
6 "	750	765625	78125	796875	8125	828125	84375	859375
7 "	875	890625	90625	921875	9375	953125	96875	984375

TABLE showing Gallons reduced to the Decimal part of a Bushel.

1 Gallon	=	. 125	5 Gallons	=	. 625
2 "	=	. 250	6 "	=	. 750
3 "	=	. 375	7 "	=	. 875
4 "	=	. 500	8 "	=	1 .

TABLE showing Pints reduced to the Decimal part of a Gallon.

1 Pint	=	. 125	5 Pints	=	. 625
2 "	=	. 250	6 "	=	. 750
3 "	=	. 375	7 "	=	. 875
4 "	=	. 500	8 "	=	1 .

WEIGHTS.

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WEIGHTS.

I.—Avoirdupois converted into Metric.

	Mil- liers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	decimals.	EQUIVALENTS				
												Which Weight if of Pure Water at temp. 39° would occupy the space of		Or of Measure of Capacity.		
												Cubic Deci- metres.	dec.	Litres.	dec.	
1 dram,	1	7	7	1	84630	O . 00177	O . 00177			
2 "	3	5	4	3	69260	O . 00354	O . 00354			
3 "	5	3	1	5	53889	O . 00532	O . 00532			
4 "	7	0	8	7	38519	O . 00709	O . 00709			
5 "	8	8	5	9	23149	O . 00886	O . 00886			
6 "	1	0	6	3	1	07779	O . 01063	O . 01063		
7 "	1	2	4	0	2	92409	O . 01240	O . 01240		
8 "	1	4	1	7	4	77038	O . 01417	O . 01417		
9 "	1	5	9	4	6	61668	O . 01595	O . 01595		
10 "	1	7	7	1	8	46298	O . 01772	O . 01772		
11 "	1	9	4	9	0	30928	O . 01949	O . 01949		
12 "	2	1	2	6	2	15557	O . 02126	O . 02126		
13 "	2	3	0	3	4	00187	O . 02303	O . 02303		
14 "	2	4	8	0	5	84817	O . 02481	O . 02481		
15 "	2	6	5	7	7	69447	O . 02658	O . 02658		
1 ounce,	2	8	3	4	9	54077	O . 02835	O . 02835		
2 "	5	6	6	9	9	08153	O . 05070	O . 05070		
3 "	8	5	0	4	8	62230	O . 08505	O . 08505		
4 "	1	1	3	3	9	16306	O . 11340	O . 11340		
5 "	1	4	1	7	4	70388	O . 14175	O . 14175		
6 "	1	7	0	0	9	24459	O . 17010	O . 17010		
7 "	1	9	8	4	4	6	78536	O . 19845	O . 19845	
8 "	2	2	6	7	9	6	32613	O . 22680	O . 22680	
9 "	2	5	5	1	4	5	86689	O . 25515	O . 25515	
10 "	2	8	3	4	9	5	40766	O . 28350	O . 28350	
11 "	3	1	1	8	4	4	94842	O . 31184	O . 31184	
12 "	3	4	0	1	9	4	48919	O . 34019	O . 34019	
13 "	3	6	8	5	4	4	02996	O . 36854	O . 36854	
14 "	3	9	6	8	9	3	57072	O . 39689	O . 39689	
15 "	4	2	5	2	4	3	11149	O . 42524	O . 42524	
1 pound,	4	5	3	5	9	2	65225	O . 45359	O . 45359	
2 "	9	0	7	1	8	5	305	O . 90719	O . 90719	
3 "	1	3	6	0	7	7	957	1 . 36078	1 . 36078	
4 "	1	8	1	4	3	7	0	609	1 . 81437	1 . 81437
5 "	2	2	6	7	9	6	3	261	2 . 26796	2 . 26796
6 "	2	7	2	1	5	5	5	914	2 . 72156	2 . 72156
7 "	3	1	7	5	1	4	8	566	3 . 17515	3 . 17515
8 "	3	6	2	8	7	4	1	218	3 . 62874	3 . 62874
9 "	4	0	8	2	3	3	3	870	4 . 08233	4 . 08233
10 "	4	5	3	5	9	2	6	523	4 . 53593	4 . 53593
11 "	4	9	8	9	5	1	9	175	4 . 98952	4 . 98952
12 "	5	4	4	3	1	1	1	827	5 . 44311	5 . 44311
13 "	5	8	9	6	7	0	4	479	5 . 89670	5 . 89670
14 "	6	3	5	0	2	9	7	132	6 . 35030	6 . 35030
15 "	6	8	0	3	8	8	9	784	6 . 80389	6 . 80389
16 "	7	2	5	7	4	8	2	436	7 . 25748	7 . 25748
17 "	7	7	1	1	0	7	5	088	7 . 71108	7 . 71108
18 "	8	1	6	4	6	6	7	741	8 . 16467	8 . 16467
19 "	8	6	1	8	2	6	0	393	8 . 61826	8 . 61826
20 "	9	0	7	1	8	5	3	045	9 . 07185	9 . 07185

WEIGHTS.

I.—Avoirdupois converted into Metric.

	Milli- liera.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	dec.	EQUIVALENTS			
												Which Weight if of Pure Water at temp. 39° would occupy the space of		Or of Measure of Capacity.	
												Cubic Deci- metres.	dec.	Litres.	dec.
21 pounds,	9	5	2	5	4	4	5	697	9 . 52545	9 . 52545		
22 "	9	9	7	9	0	3	8	350	9 . 97904	9 . 97904		
23 "	1	0	4	3	2	6	3	1	002	10 . 43263	10 . 43263		
24 "	1	0	8	8	6	2	2	3	654	10 . 88622	10 . 88622		
25 "	1	1	3	3	9	8	1	6	306	11 . 33982	11 . 33982		
26 "	1	1	7	9	3	4	0	8	959	11 . 79341	11 . 79341		
27 "	1	2	2	4	7	0	0	1	611	12 . 24700	12 . 24700		
28 " or 2 stones,	1	2	7	0	0	5	9	4	263	12 . 70059	12 . 70059		
29 "	1	3	1	5	4	1	8	6	915	13 . 15419	13 . 15419		
30 "	1	3	6	0	7	7	7	9	568	13 . 60778	13 . 60778		
31 "	1	4	0	6	1	2	7	2	220	14 . 06137	14 . 06137		
32 "	1	4	5	1	4	9	6	4	872	14 . 51496	14 . 51496		
33 "	1	4	9	6	8	5	5	7	524	14 . 96856	14 . 96856		
34 "	1	5	4	2	2	1	5	0	177	15 . 42215	15 . 42215		
35 "	1	5	8	7	5	7	4	2	829	15 . 87574	15 . 87574		
36 "	1	6	3	2	9	3	3	5	481	16 . 32934	16 . 32934		
37 "	1	6	7	8	2	9	2	8	183	16 . 78293	16 . 78293		
38 "	1	7	2	3	6	5	2	0	786	17 . 23652	17 . 23652		
39 "	1	7	6	9	0	1	1	3	438	17 . 69011	17 . 69011		
40 "	1	8	1	4	3	7	0	6	090	18 . 14371	18 . 14371		
41 "	1	8	5	9	7	2	9	8	742	18 . 59730	18 . 59730		
42 " or 3 stones,	1	9	0	5	0	8	9	1	395	19 . 05089	19 . 05089		
43 "	1	9	5	0	4	4	8	4	047	19 . 50448	19 . 50448		
44 "	1	9	9	5	8	0	7	6	699	19 . 95808	19 . 95808		
45 "	2	0	4	1	1	6	6	9	351	20 . 41167	20 . 41167		
46 "	2	0	8	6	5	2	6	2	004	20 . 86526	20 . 86526		
47 "	2	1	3	1	8	8	5	4	656	21 . 31885	21 . 31885		
48 "	2	1	7	7	2	4	4	7	308	21 . 77245	21 . 77245		
49 "	2	2	2	2	6	0	3	9	960	22 . 22604	22 . 22604		
50 "	2	2	6	7	9	6	3	2	613	22 . 67963	22 . 67963		
51 "	2	3	1	3	3	2	2	5	265	23 . 13323	23 . 13323		
52 "	2	3	5	8	6	8	1	7	917	23 . 58682	23 . 58682		
53 "	2	4	0	4	0	4	1	0	569	24 . 04041	24 . 04041		
54 "	2	4	4	9	4	0	0	3	222	24 . 49100	24 . 49100		
55 "	2	4	9	4	7	5	9	5	874	24 . 94760	24 . 94760		
56 " or 4 stones,	2	5	4	0	1	1	8	8	526	25 . 40119	25 . 40119		
57 "	2	5	8	5	4	7	8	1	178	25 . 85478	25 . 85478		
58 "	2	6	3	0	8	3	7	3	831	26 . 30837	26 . 30837		
59 "	2	6	7	6	1	9	6	6	483	26 . 76197	26 . 76197		
60 "	2	7	2	1	5	5	5	9	185	27 . 21556	27 . 21556		
61 "	2	7	6	6	9	1	5	1	787	27 . 66915	27 . 66915		
62 "	2	8	1	2	2	7	4	4	440	28 . 12274	28 . 12274		
63 "	2	8	5	7	6	3	3	7	092	28 . 57634	28 . 57634		
64 "	2	9	0	2	9	9	2	9	744	29 . 02993	29 . 02993		
65 "	2	9	4	8	3	5	2	2	396	29 . 48352	29 . 48352		
66 "	2	9	9	3	7	1	1	5	049	29 . 93712	29 . 93712		
67 "	3	0	3	9	0	7	0	7	701	30 . 39071	30 . 39071		
68 "	3	0	8	4	4	3	0	0	853	30 . 84430	30 . 84430		
69 "	3	1	2	9	7	8	9	3	005	31 . 29789	31 . 29789		
70 " or 5 stones,	3	1	7	5	1	4	8	5	658	31 . 75149	31 . 75149		

WEIGHTS.

I.—Avoirdupois converted into Metric.

	Millers.	Quintals.	Myria-grams.	Kilo-grams.	Hecto-grams.	Deka-grams.	Grams.	Deci-grams.	Centi-grams.	Milli-grams.	Decimals.	EQUIVALENTS			
												Which Weight if of Pure Water at temp. 39° would occupy the space of		Or of Measure of Capacity.	
												Cubic Decimetres.	dec.	Litres.	dec.
71 pounds,	3	2	2	0	5	0	7	8	310	32 . 2051	32 . 2051		
72 "	3	2	6	5	8	6	7	0	962	32 . 6587	32 . 6587		
73 "	3	3	1	1	2	2	6	3	614	33 . 1123	33 . 1123		
74 "	3	3	5	6	5	8	5	6	267	33 . 5659	33 . 5659		
75 "	3	4	0	1	9	4	4	8	919	34 . 0194	34 . 0194		
76 "	3	4	4	7	3	0	4	1	571	34 . 4730	34 . 4730		
77 "	3	4	9	2	6	6	3	4	223	34 . 9266	34 . 9266		
78 "	3	5	3	8	0	2	2	6	876	35 . 3802	35 . 3802		
79 "	3	5	8	3	3	8	1	9	528	35 . 8338	35 . 8338		
80 "	3	6	2	8	7	4	1	2	180	36 . 2874	36 . 2874		
81 "	3	6	7	4	1	0	0	4	832	36 . 7410	36 . 7410		
82 "	3	7	1	9	4	5	9	7	485	37 . 1946	37 . 1946		
83 "	3	7	6	4	8	1	9	0	137	37 . 6482	37 . 6482		
84 " or 6 stones,	3	8	1	0	1	7	8	2	789	38 . 1018	38 . 1018		
85 "	3	8	5	5	5	3	7	5	441	38 . 5554	38 . 5554		
86 "	3	9	0	0	8	9	6	8	094	39 . 0090	39 . 0090		
87 "	3	9	4	6	2	5	6	0	746	39 . 4626	39 . 4626		
88 "	3	9	9	1	6	1	5	3	398	39 . 9162	39 . 9162		
89 "	4	0	3	6	9	7	4	6	050	40 . 3697	40 . 3697		
90 "	4	0	8	2	3	3	3	8	703	40 . 8233	40 . 8233		
91 "	4	1	2	7	6	9	3	1	355	41 . 2769	41 . 2769		
92 "	4	1	7	3	0	5	2	4	007	41 . 7305	41 . 7305		
93 "	4	2	1	8	4	1	1	6	659	42 . 1841	42 . 1841		
94 "	4	2	6	3	7	7	0	9	312	42 . 6377	42 . 6377		
95 "	4	3	0	9	1	3	0	1	964	43 . 0913	43 . 0913		
96 "	4	3	5	4	4	8	9	4	616	43 . 5449	43 . 5449		
97 "	4	3	9	9	8	4	8	7	269	43 . 9985	43 . 9985		
98 " or 7 stones,	4	4	4	5	2	0	7	9	921	44 . 4521	44 . 4521		
99 "	4	4	9	0	5	6	7	2	573	44 . 9057	44 . 9057		
100 "	4	4	9	3	5	9	2	6	5	22526	45 . 3593	45 . 3593	
101 "	4	5	3	5	9	2	8	5	7	878	45 . 8129	45 . 8129	
102 "	4	5	8	1	2	8	5	0	530	46 . 2665	46 . 2665		
103 "	4	6	2	6	6	4	5	0	530	46 . 7200	46 . 7200		
104 "	4	6	7	2	0	0	4	3	182	46 . 7200	46 . 7200		
105 "	4	7	1	7	3	6	3	5	834	47 . 1736	47 . 1736		
106 "	4	7	6	2	7	2	2	8	487	47 . 6272	47 . 6272		
107 "	4	8	0	8	0	8	2	1	139	48 . 0808	48 . 0808		
108 "	4	8	5	3	4	4	1	3	791	48 . 5344	48 . 5344		
109 "	4	8	9	8	8	0	0	6	443	48 . 9880	48 . 9880		
110 "	4	9	4	4	1	5	9	9	096	49 . 4416	49 . 4416		
111 "	4	9	8	9	5	1	9	1	748	49 . 8952	49 . 8952		
112 " or 1 cwt.,	5	0	3	4	8	7	8	4	400	50 . 3488	50 . 3488		
200 "	5	0	8	0	2	3	7	7	05229	50 . 8024	50 . 8024		
300 "	9	0	7	1	8	5	3	0	45052	90 . 7185	90 . 7185		
400 "	1	3	6	0	7	7	9	5	676	136 . 0778	136 . 0778		
500 "	1	8	1	4	3	7	0	6	0	901	181 . 4371	181 . 4371	
600 "	2	2	6	7	9	6	3	2	6	126	226 . 7963	226 . 7963	
700 "	2	7	2	1	5	5	5	9	1	352	272 . 1556	272 . 1556	
800 "	3	1	7	5	1	4	8	5	6	577	317 . 5149	317 . 5149	
900 "	3	6	2	8	7	4	1	2	1	802	362 . 8741	362 . 8741	
1000 "	4	0	8	2	3	3	3	8	7	027	408 . 2334	408 . 2334	

WEIGHTS.

I.—Avoirdupois converted into Metric.

												EQUIVALENTS			
	Milli- liers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	dec.	Which Weight if of Pure Water at temp. 39° would occupy the space of		Or of Measure of Capacity.	
												Cubic Metres.	Cubic Deci- metres.	dec.	Litres.	dec.
1,000 pounds,	...	4	5	3	5	9	2	6	5	2	253	...	453.59		453.59
2,000 "	...	9	0	7	1	8	5	3	0	4	505	...	907.19		907.19
3,000 "	1	3	6	0	7	7	7	9	5	6	758	1	360.78		1,360.78
4,000 "	1	8	1	4	3	7	0	6	0	9	010	1	814.37		1,814.37
5,000 "	2	2	6	7	9	6	3	2	6	1	263	2	267.96		2,267.96
6,000 "	2	7	2	1	5	5	5	9	1	3	516	2	721.56		2,721.56
7,000 "	3	1	7	5	1	4	8	5	6	5	768	3	175.15		3,175.15
8,000 "	3	6	2	8	7	4	1	2	1	8	021	3	628.74		3,628.74
9,000 "	4	0	8	2	3	3	3	8	7	0	273	4	082.33		4,082.33
10,000 "	4	5	3	5	9	2	6	5	2	2	526	4	535.93		4,535.93
20,000 "	9	0	7	1	8	5	3	0	4	5	05	9	071.85		9,071.85
30,000 "	13	6	0	7	7	7	9	5	6	7	58	13	607.78		13,607.78
40,000 "	18	1	4	3	7	0	6	0	9	0	10	18	143.71		18,143.71
50,000 "	22	6	7	9	6	3	2	6	1	2	63	22	679.63		22,679.63
60,000 "	27	2	1	5	5	5	9	1	3	5	16	27	215.56		27,215.56
70,000 "	31	7	5	1	4	8	5	6	5	7	68	31	751.49		31,751.49
80,000 "	36	2	8	7	4	1	2	1	8	0	21	36	287.41		36,287.41
90,000 "	40	8	2	3	3	3	8	7	0	2	73	40	823.34		40,823.34
100,000 "	45	3	5	9	2	6	5	2	2	5	26	45	359.27		45,359.27
200,000 "	90	7	1	8	5	3	0	4	5	0	5	90	718.53		90,718.53
300,000 "	136	0	7	7	7	9	5	6	7	5	8	136	077.80		136,077.80
400,000 "	181	4	3	7	0	6	0	9	0	1	0	181	437.06		181,437.06
500,000 "	226	7	9	6	3	2	6	1	2	6	3	226	796.33		226,796.33
600,000 "	272	1	5	5	5	9	1	3	5	1	6	272	155.59		272,155.59
700,000 "	317	5	1	4	8	5	6	5	7	6	8	317	514.86		317,514.86
800,000 "	362	8	7	4	1	2	1	8	0	2	1	362	874.12		362,874.12
900,000 "	408	2	3	3	3	8	7	0	2	7	3	408	233.39		408,233.39
1,000,000 "	453	5	9	2	6	5	2	2	5	2	6	453	592.65		453,592.65
2,000,000 "	907	1	8	5	3	0	4	5	0	5	...	907	185.30		907,185.30
3,000,000 "	1360	7	7	7	9	5	6	7	5	8	...	1360	777.96		1,360,777.96
4,000,000 "	1814	3	7	0	6	0	9	0	1	0	...	1814	370.61		1,814,370.61
5,000,000 "	2267	9	6	3	2	6	1	2	6	3	...	2267	963.26		2,267,963.26
6,000,000 "	2721	5	5	5	9	1	3	5	1	6	...	2721	555.91		2,721,555.91
7,000,000 "	3175	1	4	8	5	6	5	7	6	8	...	3175	148.57		3,175,148.57
8,000,000 "	3628	7	4	1	2	1	8	0	2	1	...	3628	741.22		3,628,741.22
9,000,000 "	4082	3	3	3	8	7	0	2	7	3	...	4082	333.87		4,082,333.87
1 cwt.,	...	...	5	0	8	0	2	3	7	7	052	...	50.80		50.80
2 "	...	1	0	1	6	0	4	7	5	4	10	...	101.60		101.60
3 "	...	1	5	2	4	0	7	1	3	1	16	...	152.41		152.41
4 "	...	2	0	3	2	0	9	5	0	8	21	...	203.21		203.21
5 "	...	2	5	4	0	1	1	8	8	5	26	...	254.01		254.01
6 "	...	3	0	4	8	1	4	2	6	2	31	...	304.81		304.81
7 "	...	3	5	5	6	1	6	6	3	9	37	...	355.62		355.62
8 "	...	4	0	6	4	1	9	0	1	6	42	...	406.42		406.42
9 "	...	4	5	7	2	2	1	3	9	3	47	...	457.22		457.22
10 "	...	5	0	8	0	2	3	7	7	0	52	...	508.02		508.02
11 "	...	5	5	8	8	2	6	1	4	7	58	...	558.83		558.83
12 "	...	6	0	9	6	2	8	5	2	4	63	...	609.63		609.63
13 "	...	6	6	0	4	3	0	9	0	1	68	...	660.43		660.43
14 "	...	7	1	1	2	3	3	2	7	8	73	...	711.23		711.23

WEIGHTS.

I.—Avoirdupois converted into Metric.

	Mil- lers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	dec.	EQUIVALENTS				
												Which Weight if of Pure Water at temp. 39° would occupy the space of			Or of Measure of Capacity.	
												Cubic metres.	Cubic Deci- metres.	dec.	Litres.	dec.
15 cwt.,	...	7	6	2	0	3	5	6	5	5	78	...	762 . 04	762 . 04		
16 "	...	8	1	2	8	3	8	0	3	2	84	...	812 . 84	812 . 84		
17 "	...	8	6	3	6	4	4	0	4	0	9	...	863 . 64	863 . 64		
18 "	...	9	1	4	4	4	2	7	8	6	94	...	914 . 44	914 . 44		
19 "	...	9	6	5	2	4	5	1	6	3	99	...	965 . 25	965 . 25		
20 " or 1 ton,	1	0	1	6	0	4	7	5	4	1	05	I	016 . 05	1,016 . 05		
21 "	1	0	6	6	8	4	9	9	1	8	10	I	066 . 85	1,066 . 85		
22 "	1	1	1	7	6	5	2	2	9	5	15	I	117 . 65	1,117 . 65		
23 "	1	1	6	8	4	5	4	6	7	2	20	I	168 . 45	1,168 . 45		
24 "	1	2	1	9	2	5	7	0	4	9	25	I	219 . 26	1,219 . 26		
25 "	1	2	7	0	0	5	9	4	2	6	31	I	270 . 06	1,270 . 06		
26 "	1	3	2	0	8	6	1	8	0	3	36	I	320 . 86	1,320 . 86		
27 "	1	3	7	1	6	6	4	1	8	0	41	I	371 . 66	1,371 . 66		
28 "	1	4	2	2	4	6	6	5	5	7	46	I	422 . 47	1,422 . 47		
29 "	1	4	7	3	2	6	8	9	3	4	52	I	473 . 27	1,473 . 27		
30 "	1	5	2	4	0	7	1	3	1	1	57	I	524 . 07	1,524 . 07		
31 "	1	5	7	4	8	7	3	6	8	8	62	I	574 . 87	1,574 . 87		
32 "	1	6	2	5	6	7	6	0	6	5	67	I	625 . 68	1,625 . 68		
33 "	1	6	7	6	4	7	8	4	4	2	73	I	676 . 48	1,676 . 48		
34 "	1	7	2	7	2	8	0	8	1	9	78	I	727 . 28	1,727 . 28		
35 "	1	7	7	8	0	8	3	1	9	6	83	I	778 . 08	1,778 . 08		
36 "	1	8	2	8	8	8	5	5	7	3	88	I	828 . 89	1,828 . 89		
37 "	1	8	7	9	6	8	7	9	5	0	93	I	879 . 69	1,879 . 69		
38 "	1	9	3	0	4	9	0	3	2	7	99	I	930 . 49	1,930 . 49		
39 "	1	9	8	1	2	9	2	7	0	5	04	I	981 . 29	1,981 . 29		
40 " or 2 tons,	2	0	3	2	0	9	5	0	8	2	09	2	032 . 10	2,032 . 10		
41 "	2	0	8	2	8	9	7	4	5	9	14	2	082 . 90	2,082 . 90		
42 "	2	1	3	3	6	9	9	8	3	6	20	2	133 . 70	2,133 . 70		
43 "	2	1	8	4	5	0	2	2	1	3	25	2	184 . 50	2,184 . 50		
44 "	2	2	3	5	3	0	4	5	9	0	30	2	235 . 30	2,235 . 30		
45 "	2	2	8	6	1	0	6	9	6	7	35	2	286 . 11	2,286 . 11		
46 "	2	3	3	6	9	0	9	3	4	4	41	2	336 . 91	2,336 . 91		
47 "	2	3	8	7	7	1	1	7	2	1	46	2	387 . 71	2,387 . 71		
48 "	2	4	3	8	5	1	4	0	9	8	51	2	438 . 51	2,438 . 51		
49 "	2	4	8	9	3	1	6	4	7	5	56	2	489 . 32	2,489 . 32		
50 "	2	5	4	0	1	1	8	8	5	2	61	2	540 . 12	2,540 . 12		
51 "	2	5	9	0	9	2	1	2	2	9	67	2	590 . 92	2,590 . 92		
52 "	2	6	4	1	7	2	3	6	0	6	72	2	641 . 72	2,641 . 72		
53 "	2	6	9	2	5	2	5	9	8	3	77	2	692 . 53	2,692 . 53		
54 "	2	7	4	3	3	2	8	3	6	0	82	2	743 . 33	2,743 . 33		
55 "	2	7	9	4	1	3	0	7	3	7	88	2	794 . 13	2,794 . 13		
56 "	2	8	4	4	9	3	3	1	1	4	93	2	844 . 93	2,844 . 93		
57 "	2	8	9	4	7	3	5	4	9	1	98	2	895 . 74	2,895 . 74		
58 "	2	9	4	6	5	3	7	8	6	9	03	2	946 . 54	2,946 . 54		
59 "	2	9	9	7	3	4	0	2	4	6	09	2	997 . 34	2,997 . 34		
60 " or 3 tons,	3	0	4	8	1	4	2	6	2	3	14	3	048 . 14	3,048 . 14		
61 "	3	0	9	8	9	4	5	0	0	0	19	3	098 . 95	3,098 . 95		
62 "	3	1	4	9	7	4	7	3	7	7	24	3	149 . 75	3,149 . 75		
63 "	3	2	0	0	5	4	9	7	5	4	29	3	200 . 55	3,200 . 55		
64 "	3	2	5	1	3	5	2	1	3	1	35	3	251 . 35	3,251 . 35		

WEIGHTS.

I.—Avoirdupois converted into Metric.

	Mil- liers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	dec.	EQUIVALENTS				
												Which Weight if of Pure Water at temp. 39° would occupy the space of			Or of Measure of Capacity.	
												Cubic Metres.	Cubic Deci- metres.	dec.	Litres.	dec.
65 cwt.,	3	3	0	2	1	5	4	5	0	8	40	3	302.15	3,302.15		
66 "	3	3	5	2	9	5	6	8	8	5	45	3	352.96	3,352.96		
67 "	3	4	0	3	7	5	9	2	6	2	50	3	403.76	3,403.76		
68 "	3	4	5	4	5	6	1	6	3	9	56	3	454.56	3,454.56		
69 "	3	5	0	5	3	6	4	0	1	6	61	3	505.36	3,505.36		
70 "	3	5	5	6	1	6	6	3	9	3	66	3	556.17	3,556.17		
71 "	3	6	0	6	9	6	8	7	7	0	71	3	606.97	3,606.97		
72 "	3	6	5	7	7	7	1	1	4	7	76	3	657.77	3,657.77		
73 "	3	7	0	8	5	7	3	5	2	4	82	3	708.57	3,708.57		
74 "	3	7	5	9	3	7	5	9	0	1	87	3	759.38	3,759.38		
75 "	3	8	1	0	1	7	8	2	7	8	92	3	810.18	3,810.18		
76 "	3	8	6	0	9	8	0	6	5	5	97	3	860.98	3,860.98		
77 "	3	9	1	1	7	8	3	0	3	3	03	3	911.78	3,911.78		
78 "	3	9	6	2	5	8	5	4	1	0	08	3	962.59	3,962.59		
79 "	4	0	1	3	3	8	7	7	8	7	13	4	013.39	4,013.39		
80 " or 4 tons,	4	0	6	4	1	9	0	1	6	4	18	4	064.19	4,064.19		
81 "	4	1	1	4	9	9	2	5	4	1	24	4	114.99	4,114.99		
82 "	4	1	6	5	7	9	4	9	1	8	29	4	165.79	4,165.79		
83 "	4	2	1	6	5	9	7	2	9	5	34	4	216.60	4,216.60		
84 "	4	2	6	7	3	9	9	6	7	2	39	4	267.40	4,267.40		
85 "	4	3	1	8	2	0	2	0	4	9	44	4	318.20	4,318.20		
86 "	4	3	6	9	0	0	4	4	2	6	50	4	369.00	4,369.00		
87 "	4	4	1	9	8	0	6	8	0	3	55	4	419.81	4,419.81		
88 "	4	4	7	0	6	0	9	1	8	0	60	4	470.61	4,470.61		
89 "	4	5	2	1	4	1	1	5	5	7	65	4	521.41	4,521.41		
90 "	4	5	7	2	2	1	3	9	3	4	71	4	572.21	4,572.21		
91 "	4	6	2	3	0	1	6	3	1	1	76	4	623.02	4,623.02		
92 "	4	6	7	3	8	1	8	6	8	8	81	4	673.82	4,673.82		
93 "	4	7	2	4	6	2	1	0	6	5	86	4	724.62	4,724.62		
94 "	4	7	7	5	4	2	3	4	4	2	92	4	775.42	4,775.42		
95 "	4	8	2	6	2	2	5	8	1	9	97	4	826.23	4,826.23		
96 "	4	8	7	7	0	2	8	1	9	7	02	4	877.03	4,877.03		
97 "	4	9	2	7	8	3	0	5	7	4	07	4	927.83	4,927.83		
98 "	4	9	7	8	6	3	2	9	5	1	12	4	978.63	4,978.63		
99 "	5	0	2	9	4	3	5	3	2	8	18	5	029.44	5,029.44		
100 " or 5 tons,	5	0	8	0	2	3	7	7	0	5	23	5	080.24	5,080.24		
6 tons,	6	0	9	6	2	8	5	2	4	6	27	6	096.29	6,096.29		
7 "	7	1	1	2	3	3	2	7	8	7	32	7	112.33	7,112.33		
8 "	8	1	2	8	3	8	0	3	2	8	37	8	128.38	8,128.38		
9 "	9	1	4	4	4	2	7	8	6	9	41	9	144.43	9,144.43		
10 " or 200 cwt.,	10	1	6	0	4	7	5	4	1	0	46	10	160.48	10,160.48		
20 " 400 "	20	3	2	0	9	5	0	8	2	0	92	20	320.95	20,320.95		
30 " 600 "	30	4	8	1	4	2	6	2	3	1	37	30	481.43	30,481.43		
40 " 800 "	40	6	4	1	9	0	1	6	4	1	83	40	641.90	40,641.90		
50 " 1000 "	50	8	0	2	3	7	7	0	5	2	29	50	802.38	50,802.38		
60 "	60	9	6	2	8	5	2	4	6	2	75	60	962.85	60,962.85		
70 "	71	1	2	3	3	2	7	8	7	3	21	71	123.33	71,123.33		
80 "	81	2	8	3	8	0	3	2	8	3	67	81	283.80	81,283.80		
90 "	91	4	4	4	2	7	8	6	9	4	12	91	444.28	91,444.28		
100 "	101	6	0	4	7	5	4	1	0	4	58	101	604.75	101,604.75		

WEIGHTS.

II.—Metric converted into Avoirdupois.

	Cwts.	Stones	Pounds.	Ounces.	Drams.	decimals.	OR THUS		OR THUS		
							Cwts.	decimals.	Pounds.	decimals.	
1 Milligram,	0	· 000564	0	· 000000020	0	· 0000022	
2 "	0	· 001129	0	· 000000039	0	· 0000044	
3 "	0	· 001693	0	· 000000059	0	· 0000066	
4 "	0	· 002258	0	· 000000079	0	· 0000088	
5 "	0	· 002822	0	· 000000098	0	· 0000110	
6 "	0	· 003386	0	· 000000118	0	· 0000132	
7 "	0	· 003951	0	· 000000138	0	· 0000154	
8 "	0	· 004515	0	· 000000157	0	· 0000176	
9 "	0	· 005079	0	· 000000177	0	· 0000198	
1 Centigram,	0	· 005644	0	· 000000197	0	· 0000220	
2 "	0	· 011288	0	· 000000394	0	· 0000441	
3 "	0	· 016931	0	· 000000591	0	· 0000661	
4 "	0	· 022575	0	· 000000787	0	· 0000882	
5 "	0	· 028219	0	· 000000984	0	· 0001102	
6 "	0	· 033863	0	· 000001181	0	· 0001323	
7 "	0	· 039507	0	· 000001378	0	· 0001543	
8 "	0	· 045151	0	· 000001575	0	· 0001764	
9 "	0	· 050794	0	· 000001772	0	· 0001984	
1 Decigram,	0	· 056438	0	· 00000197	0	· 0002205	
2 "	0	· 112877	0	· 00000394	0	· 0004409	
3 "	0	· 169315	0	· 00000591	0	· 0006614	
4 "	0	· 225753	0	· 00000787	0	· 0008818	
5 "	0	· 282192	0	· 00000984	0	· 0011023	
6 "	0	· 338630	0	· 00001181	0	· 0013228	
7 "	0	· 395068	0	· 00001378	0	· 0015432	
8 "	0	· 451506	0	· 00001575	0	· 0017637	
9 "	0	· 507945	0	· 00001772	0	· 0019842	
1 Gram,	0	· 564383	0	· 0000197	0	· 0022046	
2 "	1	· 128766	0	· 0000394	0	· 0044092	
3 "	1	· 693149	0	· 0000591	0	· 0066139	
4 "	2	· 257532	0	· 0000787	0	· 0088185	
5 "	2	· 821915	0	· 0000984	0	· 0110231	
6 "	3	· 386298	0	· 0001181	0	· 0132277	
7 "	3	· 950681	0	· 0001378	0	· 0154323	
8 "	4	· 515064	0	· 0001575	0	· 0176370	
9 "	5	· 079447	0	· 0001772	0	· 0198416	
1 Dekagram,	5	· 643830	0	· 0001968	0	· 022046	
2 "	11	· 287661	0	· 0003937	0	· 044092	
3 "	1	0	· 931491	0	· 0005905	0	· 066139
4 "	1	6	· 575322	0	· 0007874	0	· 088185
5 "	1	12	· 219152	0	· 0009842	0	· 110231
6 "	2	1	· 862982	0	· 0011810	0	· 132277
7 "	2	7	· 506813	0	· 0013779	0	· 154323
8 "	2	13	· 150643	0	· 0015747	0	· 176370
9 "	3	2	· 794474	0	· 0017716	0	· 198416
1 Hectogram,	3	8	· 438304	0	· 0019684	0	· 220462
2 "	7	0	· 876608	0	· 0039368	0	· 440924
3 "	10	9	· 314912	0	· 0059052	0	· 661386
4 "	14	1	· 753216	0	· 0078736	0	· 881849
5 "	1	1	10	· 191520	0	· 0098421	1	· 102311

WEIGHTS.

II.—Metric converted into Avoirdupois.

						OR THUS		OR THUS		
	Cwts.	Stones.	Pounds.	Ounces.	Drams.	decimals.	Cwts.	decimals.	Pounds.	decimals.
6 Hectograms, . . .	...	...	1	5	2	·629824	0	·01181	1	·32277
7 " . . .	...	...	1	8	11	·068128	0	·01378	1	·54323
8 " . . .	...	...	1	12	3	·506432	0	·01575	1	·76370
9 " . . .	...	...	1	15	11	·944736	0	·01772	1	·98416
1 Kilogram, . . .	...	...	2	3	4	·38304	0	·01968	2	·20462
2 " . . .	...	...	4	6	8	·76608	0	·03937	4	·40924
3 " . . .	...	...	6	9	13	·14912	0	·05905	6	·61386
4 " . . .	...	...	8	13	1	·53216	0	·07874	8	·81849
5 " . . .	...	...	11	0	5	·91520	0	·09842	11	·02311
6 " . . .	...	...	13	3	10	·29824	0	·11810	13	·22773
7 " . . .	...	1	1	6	14	·68128	0	·13779	15	·43235
8 " . . .	...	1	3	10	3	·06432	0	·15747	17	·63697
9 " . . .	...	1	5	13	7	·44736	0	·17716	19	·84159
1 Myriagram, . . .	...	1	8	0	11	·8304	0	·19684	22	·04621
2 " . . .	...	3	2	1	7	·6608	0	·39368	44	·09243
3 " . . .	...	4	10	2	3	·4912	0	·59052	66	·13864
4 " . . .	...	6	4	2	15	·3216	0	·78736	88	·18485
5 " . . .	...	7	12	3	11	·1520	0	·98421	110	·23106
6 " . . .	1	1	6	4	6	·9824	1	·18105	132	·27728
7 " . . .	1	3	0	5	2	·8128	1	·37789	154	·32349
8 " . . .	1	4	8	5	14	·6432	1	·57473	176	·36970
9 " . . .	1	6	2	6	10	·4736	1	·77157	198	·41591
1 Quintal, . . .	1	7	10	7	6	·304	1	·96841	220	·46213
2 " . . .	3	7	6	14	12	·608	3	·93682	440	·92425
3 " . . .	5	7	3	6	2	·912	5	·90524	661	·38638
4 " . . .	7	6	13	13	9	·216	7	·87365	881	·84850
5 " . . .	9	6	10	4	15	·520	9	·84206	1,102	·30163
6 " . . .	11	6	6	12	5	·824	11	·81047	1,322	·77275
7 " . . .	13	6	3	3	12	·128	13	·77888	1,543	·23488
8 " . . .	15	5	13	11	2	·432	15	·74729	1,763	·69700
9 " . . .	17	5	10	2	8	·736	17	·71571	1,984	·15913
1 Millier, . . .	19	5	6	9	15	·04	19	·6841	2,204	·62125
2 " . . .	39	2	13	3	14	·08	39	·3682	4,409	·24250
3 " . . .	59	0	5	13	13	·12	59	·0524	6,613	·86375
4 " . . .	78	5	12	7	12	·16	78	·7365	8,818	·48500
5 " . . .	98	3	5	1	11	·20	98	·4206	11,023	·10625
6 " . . .	118	0	11	11	10	·24	118	·1047	13,227	·72750
7 " . . .	137	6	4	5	9	·28	137	·7888	15,432	·34875
8 " . . .	157	3	10	15	8	·32	157	·4729	17,636	·97000
9 " . . .	177	1	3	9	7	·36	177	·1571	19,841	·59125
10 " . . .	196	6	10	3	6	·40	196	·8412	22,046	·21250
11 " . . .	216	4	2	13	5	·44	216	·5253	24,250	·83375
12 " . . .	236	1	9	7	4	·48	236	·2094	26,455	·45500
13 " . . .	255	7	2	1	3	·52	255	·8935	28,660	·07625
14 " . . .	275	4	8	11	2	·56	275	·5777	30,864	·69750
15 " . . .	295	2	1	5	1	·60	295	·2618	33,069	·31875
16 " . . .	314	7	7	15	0	·64	314	·9459	35,273	·94000
17 " . . .	334	5	0	8	15	·68	334	·6300	37,478	·56125
18 " . . .	354	2	7	2	14	·72	354	·3141	39,683	·18250
19 " . . .	373	7	13	12	13	·76	373	·9982	41,887	·80375

WEIGHTS.

II.—Metric converted into Avoirdupois.

	Cwts.	Stones.	Pounds.	Ounces.	Drams.	dec.	OR THUS		OR THUS	
							wt.	decimals.	Pounds.	decimals.
20 Milliers,	393	5	6	6	12	80	393	6824	44,092	42500
21 "	413	2	13	0	11	84	413	3665	46,297	04625
22 "	433	0	5	10	10	88	433	0506	48,501	66750
23 "	452	5	12	4	9	92	452	7347	50,706	28875
24 "	472	3	4	14	8	96	472	4188	52,910	91000
25 "	492	0	11	8	8	00	492	1030	55,115	53125
26 "	511	6	4	2	7	04	511	7871	57,320	15250
27 "	531	3	10	12	6	08	531	4712	59,524	77375
28 "	551	1	3	6	5	12	551	1553	61,729	39500
29 "	570	6	10	0	4	16	570	8394	63,934	01625
30 "	590	4	2	10	3	20	590	5235	66,138	63750
31 "	610	1	9	4	2	24	610	2077	68,343	25875
32 "	629	7	1	14	1	28	629	8918	70,547	88000
33 "	649	4	8	8	0	32	649	5759	72,752	50125
34 "	669	2	1	1	15	36	669	2600	74,957	12250
35 "	688	7	7	11	14	40	688	9441	77,161	74375
36 "	708	5	0	5	13	44	708	6283	79,366	36500
37 "	728	2	6	15	12	48	728	3124	81,570	98625
38 "	747	7	13	9	11	52	747	9965	83,775	60750
39 "	767	5	6	3	10	56	767	6806	85,980	22875
40 "	787	2	12	13	9	60	787	3647	88,184	85000
41 "	807	0	5	7	8	64	807	0489	90,389	47125
42 "	826	5	12	1	7	68	826	7330	92,594	09250
43 "	846	3	4	11	6	72	846	4171	94,798	71375
44 "	866	0	11	5	5	76	866	1012	97,003	33500
45 "	885	6	3	15	4	80	885	7853	99,207	95625
46 "	905	3	10	9	3	84	905	4694	101,412	57750
47 "	925	1	3	3	2	88	925	1536	103,617	19875
48 "	944	6	9	13	1	92	944	8377	105,821	82000
49 "	964	4	2	7	0	96	964	5218	108,026	44125
50 "	984	1	9	1	0	00	984	2059	110,231	06250
51 "	1003	7	1	10	15	04	1,003	8900	112,435	68375
52 "	1023	4	8	4	14	08	1,023	5742	114,640	30500
53 "	1043	2	0	14	13	12	1,043	2583	116,844	92625
54 "	1062	7	7	8	12	16	1,062	9424	119,049	54750
55 "	1082	5	0	2	11	20	1,082	6265	121,254	16875
56 "	1102	2	6	12	10	24	1,102	3106	123,458	79000
57 "	1121	7	13	6	9	28	1,121	9947	125,663	41125
58 "	1141	5	6	0	8	32	1,141	6789	127,868	03250
59 "	1161	2	12	10	7	36	1,161	3630	130,072	65375
60 "	1181	0	5	4	6	40	1,181	0471	132,277	27500
61 "	1200	5	11	14	5	44	1,200	7312	134,481	89625
62 "	1220	3	4	8	4	48	1,220	4153	136,686	51750
63 "	1240	0	11	2	3	52	1,240	0995	138,891	13875
64 "	1259	6	3	12	2	56	1,259	7836	141,095	76000
65 "	1279	3	10	6	1	60	1,279	4677	143,300	38125
66 "	1299	1	3	0	0	64	1,299	1518	145,505	00250
67 "	1318	6	9	9	15	68	1,318	8359	147,709	62375
68 "	1338	4	2	3	14	72	1,338	5200	149,914	24500
69 "	1358	1	8	13	13	76	1,358	2042	152,118	86625

WEIGHTS.

II.—Metric converted into Avoirdupois.

	Cwts.	Stones.	Pounds.	Ounces.	Drams.	dec.	OR THUS		OR THUS	
							Cwts.	decimals.	Pounds.	decimals.
70 Milliers,	1,377	7	1	7	12	· 80	1,377	· 8883	154,323	· 48750
71 "	1,397	4	8	1	11	· 84	1,397	· 5724	156,528	· 10875
72 "	1,417	2	0	11	10	· 88	1,417	· 2565	158,732	· 73000
73 "	1,436	7	7	5	9	· 92	1,436	· 9406	160,937	· 35125
74 "	1,456	4	13	15	8	· 96	1,456	· 6248	163,141	· 97250
75 "	1,476	2	6	9	8	· 00	1,476	· 3089	165,346	· 59375
76 "	1,495	7	13	3	7	· 04	1,495	· 9930	167,551	· 21500
77 "	1,515	5	5	13	6	· 08	1,515	· 6771	169,755	· 83625
78 "	1,535	2	12	7	5	· 12	1,535	· 3612	171,960	· 45750
79 "	1,555	0	5	1	4	· 16	1,555	· 0453	174,165	· 07875
80 "	1,574	5	11	11	3	· 20	1,574	· 7295	176,369	· 70000
81 "	1,594	3	4	5	2	· 24	1,594	· 4136	178,574	· 32125
82 "	1,614	0	10	15	1	· 28	1,614	· 0977	180,778	· 94250
83 "	1,633	6	3	9	0	· 32	1,633	· 7818	182,983	· 56375
84 "	1,653	3	10	2	15	· 36	1,653	· 4659	185,188	· 18500
85 "	1,673	1	2	12	14	· 40	1,673	· 1501	187,392	· 80625
86 "	1,692	6	9	6	13	· 44	1,692	· 8342	189,597	· 42750
87 "	1,712	4	2	0	12	· 48	1,712	· 5183	191,802	· 04875
88 "	1,732	1	8	10	11	· 52	1,732	· 2024	194,006	· 67000
89 "	1,751	7	1	4	10	· 56	1,751	· 8865	196,211	· 29125
90 "	1,771	4	7	14	9	· 60	1,771	· 5706	198,415	· 91250
91 "	1,791	2	0	8	8	· 64	1,791	· 2548	200,620	· 53375
92 "	1,810	7	7	2	7	· 68	1,810	· 9389	202,825	· 15500
93 "	1,830	4	13	12	6	· 72	1,830	· 6230	205,029	· 77625
94 "	1,850	2	6	6	5	· 76	1,850	· 3071	207,234	· 39750
95 "	1,869	7	13	0	4	· 80	1,869	· 9912	209,439	· 01875
96 "	1,889	5	5	10	3	· 84	1,889	· 6754	211,643	· 64000
97 "	1,909	2	12	4	2	· 88	1,909	· 3595	213,848	· 26125
98 "	1,929	0	4	14	1	· 92	1,929	· 0436	216,052	· 88250
99 "	1,948	5	11	8	0	· 96	1,948	· 7277	218,257	· 50375
100 "	1,968	3	4	2	0	· 00	1,968	· 4118	220,462	· 125
200 "	3,936	6	8	4	...	...	3,936	· 824	440,924	· 250
300 "	5,905	1	12	6	...	...	5,905	· 235	661,386	· 375
400 "	7,873	5	2	8	...	...	7,873	· 647	881,848	· 500
500 "	9,842	0	6	10	...	...	9,842	· 059	1,102,310	· 625
600 "	11,810	3	10	12	...	...	11,810	· 471	1,322,772	· 750
700 "	13,778	7	0	14	...	...	13,778	· 883	1,543,234	· 875
800 "	15,747	2	5	0	...	...	15,747	· 295	1,763,697	· 000
900 "	17,715	5	9	2	...	...	17,715	· 706	1,984,159	· 125
1,000 "	19,684	0	13	4	...	...	19,684	· 118	2,204,621	· 250
2,000 "	39,368	1	12	8	...	...	39,368	· 237	4,409,242	· 50
3,000 "	59,052	2	11	12	...	...	59,052	· 355	6,613,863	· 75
4,000 "	78,736	3	11	0	...	...	78,736	· 473	8,818,485	· 00
5,000 "	98,420	4	10	4	...	...	98,420	· 592	11,023,106	· 25
6,000 "	118,104	5	9	8	...	...	118,104	· 710	13,227,727	· 50
7,000 "	137,788	6	8	12	...	...	137,788	· 828	15,432,348	· 75
8,000 "	157,472	7	8	0	...	...	157,472	· 946	17,636,970	· 00
9,000 "	177,157	0	7	4	...	...	177,157	· 065	19,841,591	· 25
10,000 "	196,841	1	6	8	...	...	196,841	· 183	22,046,212	· 50

WEIGHTS.

III.—Troy converted into Metric.

	Milli- liers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	decimals.	EQUIVALENTS	
												Which Weight if of Pure Water at temp. 39° would occupy the space of Cubic Centimetres.	Or of Measure of Capacity. Centi- litres.
1 grain,	6	4	.798950	0.0648	0.00648
2 "	1	2	9	.597901	0.1296	0.01296
3 "	1	9	4	.396851	0.1944	0.01944
4 "	2	5	9	.195801	0.2592	0.02592
5 "	3	2	3	.994752	0.3240	0.03240
6 "	3	8	8	.793702	0.3888	0.03888
7 "	4	5	3	.592652	0.4536	0.04536
8 "	5	1	8	.391603	0.5184	0.05184
9 "	5	8	3	.190553	0.5832	0.05832
10 "	6	4	7	.989503	0.6480	0.06480
11 "	7	1	2	.788454	0.7128	0.07128
12 "	7	7	7	.587404	0.7776	0.07776
13 "	8	4	2	.386354	0.8424	0.08424
14 "	9	0	7	.185305	0.9072	0.09072
15 "	9	7	1	.984255	0.9720	0.09720
16 "	1	0	3	.6783205	1.0368	0.10368
17 "	1	1	0	.582155	1.1016	0.11016
18 "	1	1	6	.381106	1.1664	0.11664
19 "	1	2	3	.180056	1.2312	0.12312
20 "	1	2	9	.5979006	1.2960	0.12960
21 "	1	3	6	.077957	1.3608	0.13608
22 "	1	4	2	.576907	1.4256	0.14256
23 "	1	4	9	.375857	1.4904	0.14904
1 pennyweight,	1	5	5	.5174808	1.5552	0.15552
2 "	3	1	0	.349615	3.1103	0.31103
3 "	4	6	5	.524423	4.6655	0.46655
4 "	6	2	2	.0699231	6.2207	0.62207
5 "	7	7	7	.5874039	7.7759	0.77759
6 "	9	3	3	.048846	9.3310	0.93310
7 "	1	0	8	.223654	10.8862	1.08862
8 "	1	2	4	.398462	12.4414	1.24414
9 "	1	3	9	.573269	13.9966	1.39966
10 "	1	5	5	.748077	15.5517	1.55517
11 "	1	7	1	.0922885	17.1069	1.71069
12 "	1	8	6	.2097693	18.6621	1.86621
13 "	2	0	2	.1727500	20.2173	2.02173
14 "	2	1	7	.447308	21.7724	2.17724
15 "	2	3	3	.622116	23.3276	2.33276
16 "	2	4	8	.796924	24.8828	2.48828
17 "	2	6	4	.971731	26.4380	2.64380
18 "	2	7	9	.146539	27.9931	2.79931
19 "	2	9	5	.321347	29.5483	2.95483
1 ounce,	3	1	1	.496154	31.1035	3.11035
2 "	6	2	2	.992308	62.2070	6.22070
3 "	9	3	3	.488462	93.3105	9.33105
4 "	1	2	4	.984616	124.4140	12.44140
5 "	1	5	5	.480770	155.5175	15.55175
6 "	1	8	6	.976924	186.6210	18.66210
7 "	2	1	7	.473078	217.7245	21.77245
8 "	2	4	8	.969232	248.8280	24.88280

WEIGHTS.

III.—Troy converted into Metric.

	Mil- lers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	dec.	EQUIVALENTS				
												Which Weight if of Pure Water at temp. 32° would occupy the space of			Or of Measure of Capacity.	
												Cubic Deci- metres.	Cubic Centi- metres.	dec.	Litres.	dec.
9 ounces,	2	7	9	9	3	1	465386	...	279	931	0	279931
10 "	3	1	1	0	3	4	961540	...	311	035	0	311035
11 "	3	4	2	1	3	8	457694	...	342	138	0	342138
1 pound,	3	7	3	2	4	1	953848	...	373	242	0	373242
2 "	7	4	6	4	8	3	90770	...	746	484	0	746484
3 "	1	1	1	9	7	2	586155	1	119	726	1	119726
4 "	1	4	9	2	9	6	781540	1	492	968	1	492968
5 "	1	8	6	6	2	0	976925	1	866	210	1	866210
6 "	2	2	3	9	4	5	172310	2	239	452	2	239452
7 "	2	6	1	2	6	9	367695	2	612	694	2	612694
8 "	2	9	8	5	9	3	563080	2	985	936	2	985936
9 "	3	3	5	9	1	7	758465	3	359	178	3	359178
10 "	3	7	3	2	4	1	953850	3	732	420	3	732420
11 "	4	1	0	5	6	6	149235	4	105	661	4	105661
12 "	4	4	7	8	9	0	344620	4	478	903	4	478903
13 "	4	8	5	2	1	4	540005	4	852	145	4	852145
14 "	5	2	2	5	3	8	735390	5	225	387	5	225387
15 "	5	5	9	8	6	2	930775	5	598	629	5	598629
16 "	5	9	7	1	8	7	126160	5	971	871	5	971871
17 "	6	3	4	5	1	1	321545	6	345	113	6	345113
18 "	6	7	1	8	3	5	516930	6	718	355	6	718355
19 "	7	0	9	1	5	9	712315	7	091	597	7	091597
20 "	7	4	6	4	8	3	907700	7	464	839	7	464839
21 "	7	8	3	8	0	8	103085	7	838	081	7	838081
22 "	8	2	1	1	3	2	298470	8	211	323	8	211323
23 "	8	5	8	4	5	6	493855	8	584	565	8	584565
24 "	8	9	5	7	8	0	689240	8	957	807	8	957807
25 "	9	3	3	1	0	4	884625	9	331	049	9	331049
26 "	9	7	0	4	2	9	080010	9	704	291	9	704291
27 "	1	0	0	7	7	5	275395	10	077	533	10	077533
28 "	1	0	4	5	0	7	470780	10	450	775	10	450775
29 "	1	0	8	2	4	0	666165	10	824	017	10	824017
30 "	1	1	1	9	7	2	561550	11	197	259	11	197259
31 "	1	1	5	7	0	5	056935	11	570	501	11	570501
32 "	1	1	9	4	3	7	452320	11	943	743	11	943743
33 "	1	2	3	1	6	9	447705	12	316	984	12	316984
34 "	1	2	6	9	0	2	643090	12	690	226	12	690226
35 "	1	3	0	6	3	4	838475	13	063	468	13	063468
36 "	1	3	4	3	6	7	1033860	13	436	710	13	436710
37 "	1	3	8	0	9	9	229245	13	809	952	13	809952
38 "	1	4	1	8	3	1	9424630	14	183	194	14	183194
39 "	1	4	5	5	6	4	3620015	14	556	436	14	556436
40 "	1	4	9	2	9	6	7815400	14	929	678	14	929678
41 "	1	5	3	0	2	9	2010785	15	302	920	15	302920
42 "	1	5	6	7	6	1	6206170	15	676	162	15	676162
43 "	1	6	0	4	9	4	01555	16	049	404	16	049404
44 "	1	6	4	2	2	6	4596940	16	422	646	16	422646
45 "	1	6	7	9	5	8	792325	16	795	888	16	795888
46 "	1	7	1	6	9	1	2987710	17	169	130	17	169130
47 "	1	7	5	4	2	3	7183095	17	542	372	17	542372

WEIGHTS.

III.—Troy converted into Metric.

	Milli- liers.	Quin- tals.	Myria- grams.	Kilo- grams.	Hecto- grams.	Deka- grams.	Grams.	Deci- grams.	Centi- grams.	Milli- grams.	dec.	EQUIVALENTS			
												Which Weighs if of Pure Water at temp. 39° would occupy the space of			Or of Measure of Capacity
												Cubic Deci- metres.	Cubic Centi- metres.	dec.	
48 pounds,	1	7	9	1	5	6	1	3	78480	17	915.61	17.91561	
49 "	1	8	2	8	8	8	5	5	73865	18	288.86	18.28886	
50 "	1	8	6	6	2	0	9	7	69250	18	662.10	18.66210	
51 "	1	9	0	3	5	3	3	9	64635	19	035.34	19.03534	
52 "	1	9	4	0	8	5	8	1	60020	19	408.58	19.40858	
53 "	1	9	7	8	1	8	2	3	55405	19	781.82	19.78182	
54 "	2	0	1	5	5	0	6	5	50790	20	155.07	20.15507	
55 "	2	0	5	2	8	3	0	7	46175	20	528.31	20.52831	
56 "	2	0	9	0	1	5	4	9	41560	20	901.55	20.90155	
57 "	2	1	2	7	4	7	9	1	36945	21	274.79	21.27479	
58 "	2	1	6	4	8	0	3	3	32330	21	648.03	21.64803	
59 "	2	2	0	2	1	2	7	5	27715	22	021.28	22.02128	
60 "	2	2	3	9	4	5	1	7	23100	22	394.52	22.39452	
61 "	2	2	7	6	7	7	5	9	18485	22	767.76	22.76776	
62 "	2	3	1	4	1	0	0	1	13870	23	141.00	23.14100	
63 "	2	3	5	1	4	2	4	3	09255	23	514.24	23.51424	
64 "	2	3	8	8	7	4	8	5	04640	23	887.49	23.88749	
65 "	2	4	2	6	0	7	2	7	00025	24	260.73	24.26073	
66 "	2	4	6	3	3	9	6	8	95410	24	633.97	24.63397	
67 "	2	5	0	0	7	2	1	0	90795	25	007.21	25.00721	
68 "	2	5	3	8	0	4	5	2	86180	25	380.45	25.38045	
69 "	2	5	7	5	3	6	9	4	81565	25	753.69	25.75369	
70 "	2	6	1	2	6	9	3	6	76950	26	126.94	26.12694	
71 "	2	6	5	0	0	1	7	8	72335	26	500.18	26.50018	
72 "	2	6	8	7	3	4	2	0	67720	26	873.42	26.87342	
73 "	2	7	2	4	6	6	6	2	63105	27	246.66	27.24666	
74 "	2	7	6	1	9	9	0	4	58490	27	619.90	27.61990	
75 "	2	7	9	9	3	1	4	6	53875	27	993.15	27.99315	
76 "	2	8	3	6	6	3	8	8	49260	28	366.39	28.36639	
77 "	2	8	7	3	9	6	3	0	44645	28	739.63	28.73963	
78 "	2	9	1	1	2	8	7	2	40030	29	112.87	29.11287	
79 "	2	9	4	8	6	1	1	4	35415	29	486.11	29.48611	
80 "	2	9	8	5	9	3	5	6	30800	29	859.36	29.85936	
81 "	3	0	2	3	2	5	9	8	26185	30	232.60	30.23260	
82 "	3	0	6	0	5	8	4	0	21570	30	605.84	30.60584	
83 "	3	0	9	7	9	0	8	2	16955	30	979.08	30.97908	
84 "	3	1	3	5	2	3	2	4	12340	31	352.32	31.35232	
85 "	3	1	7	2	5	5	6	6	07725	31	725.57	31.72557	
86 "	3	2	0	9	8	8	0	8	03110	32	098.81	32.09881	
87 "	3	2	4	7	2	0	4	9	98495	32	472.05	32.47205	
88 "	3	2	8	4	5	2	9	1	93880	32	845.09	32.84509	
89 "	3	3	2	1	8	5	3	3	89265	33	218.53	33.21853	
90 "	3	3	5	9	1	7	7	5	84650	33	591.78	33.59178	
91 "	3	3	9	6	5	0	1	7	80035	33	965.02	33.96502	
92 "	3	4	3	3	8	2	5	9	75420	34	338.26	34.33826	
93 "	3	4	7	1	1	5	0	1	70805	34	711.50	34.71150	
94 "	3	5	0	8	4	7	4	3	66190	35	084.74	35.08474	
95 "	3	5	4	5	7	9	8	5	61575	35	457.99	35.45799	
96 "	3	5	8	3	1	2	2	7	56960	35	831.23	35.83123	
97 "	3	6	2	0	4	4	6	9	52345	36	204.47	36.20447	

WEIGHTS.

IV.—Metric converted into Troy.

	Pounds.	Ounces.	Penny-weights.	Grains.	decimals.	OR THUS		OR THUS	
						Ounces.	decimals.	Grains.	decimals.
1 Milligram,	...	...	...	0	· 0154323	0	· 00003	0	· 0154323
2 "	...	...	...	0	· 0308647	0	· 00006	0	· 0308647
3 "	...	...	...	0	· 0462970	0	· 00010	0	· 0462970
4 "	...	...	...	0	· 0617294	0	· 00013	0	· 0617294
5 "	...	...	...	0	· 0771617	0	· 00016	0	· 0771617
6 "	...	...	...	0	· 0925941	0	· 00019	0	· 0925941
7 "	...	...	...	0	· 1080264	0	· 00023	0	· 1080264
8 "	...	...	...	0	· 1234588	0	· 00026	0	· 1234588
9 "	...	...	...	0	· 1388911	0	· 00029	0	· 1388911
1 Centigram,	...	...	...	0	· 1543235	0	· 00032	0	· 1543235
2 "	...	...	...	0	· 3086470	0	· 00064	0	· 3086470
3 "	...	...	...	0	· 4629705	0	· 00096	0	· 4629705
4 "	...	...	...	0	· 6172940	0	· 00129	0	· 6172940
5 "	...	...	...	0	· 7716174	0	· 00161	0	· 7716174
6 "	...	...	...	0	· 9259409	0	· 00193	0	· 9259409
7 "	...	...	...	1	· 0802644	0	· 00225	1	· 0802644
8 "	...	...	...	1	· 2345879	0	· 00257	1	· 2345879
9 "	...	...	...	1	· 3889114	0	· 00289	1	· 3889114
1 Decigram,	...	...	...	1	· 5432349	0	· 00322	1	· 5432349
2 "	...	...	...	3	· 0864698	0	· 00643	3	· 0864698
3 "	...	...	...	4	· 6297046	0	· 00965	4	· 6297046
4 "	...	...	...	6	· 1729395	0	· 01286	6	· 1729395
5 "	...	...	...	7	· 7161744	0	· 01608	7	· 7161744
6 "	...	...	...	9	· 2594093	0	· 01929	9	· 2594093
7 "	...	...	...	10	· 8026441	0	· 02251	10	· 8026441
8 "	...	...	...	12	· 3458790	0	· 02572	12	· 3458790
9 "	...	...	...	13	· 8891139	0	· 02894	13	· 8891139
1 Gram,	...	...	...	15	· 4323488	0	· 03215	15	· 4323488
2 "	...	...	1	6	· 8646975	0	· 06430	30	· 8646975
3 "	...	...	1	22	· 2970463	0	· 09645	46	· 2970463
4 "	...	...	2	13	· 7293950	0	· 12860	61	· 7293950
5 "	...	...	3	5	· 1617438	0	· 16075	77	· 1617438
6 "	...	...	3	20	· 5940925	0	· 19290	92	· 5940925
7 "	...	...	4	12	· 0264413	0	· 22506	108	· 0264413
8 "	...	...	5	3	· 4587900	0	· 25721	123	· 4587900
9 "	...	...	5	18	· 8911388	0	· 28936	138	· 8911388
1 Dekagram, or 10 grams,	...	...	6	10	· 3234875	0	· 32151	154	· 3234875
2 "	20 "	...	12	20	· 6469750	0	· 64301	308	· 6469750
3 "	30 "	...	19	6	· 9704625	0	· 96452	462	· 9704625
4 "	40 "	1	5	17	· 2939500	1	· 28603	617	· 2939500
5 "	50 "	1	12	3	· 6174375	1	· 60754	771	· 6174375
6 "	60 "	1	18	13	· 9409250	1	· 92904	925	· 9409250
7 "	70 "	2	5	0	· 2644125	2	· 25055	1,080	· 2644125
8 "	80 "	2	11	10	· 5879000	2	· 57206	1,234	· 5879000
9 "	90 "	2	17	20	· 9113875	2	· 89357	1,388	· 9113875
1 Hectogram, 100 "	...	3	4	7	· 234875	3	· 21507	1,543	· 234875
2 "	200 "	6	8	14	· 469750	6	· 43015	3,086	· 469750
3 "	300 "	9	12	21	· 704625	9	· 64522	4,629	· 704625
4 "	400 "	1	0	17	· 4939500	12	· 86029	6,172	· 4939500
5 "	500 "	1	4	12	· 174375	16	· 07536	7,716	· 174375

WEIGHTS.

IV.—Metric converted into Troy.

		Pounds.	Ounces.	Penny-weights.	Grains.	dec.	OR THUS Innces. decimals.	OR THUS Grains. decimals.
6 Hectograms or	600 grams,	1	7	5	19	·409250	19·29044	9,259·40925
7 " "	700 " "	1	10	10	2	·644125	22·50551	10,802·64413
8 " "	800 " "	2	1	14	9	·879000	25·72058	12,345·87900
9 " "	900 " "	2	4	18	17	·113875	28·93565	13,889·11388
1 Kilogram	1,000 " "	2	8	3	0	·3488	32·15073	15,432·34875
2 " "	2,000 " "	5	4	6	0	·6975	64·30145	30,864·6975
3 " "	3,000 " "	8	0	9	1	·0463	96·45218	46,297·0463
4 " "	4,000 " "	10	8	12	1	·3950	128·60291	61,729·3950
5 " "	5,000 " "	13	4	15	1	·7438	160·75363	77,161·7438
6 " "	6,000 " "	16	0	18	2	·0925	192·90436	92,594·0925
7 " "	7,000 " "	18	9	1	2	·4413	225·05509	108,026·4413
8 " "	8,000 " "	21	5	4	2	·7900	257·20581	123,458·7900
9 " "	9,000 " "	24	1	7	3	·1388	289·35654	138,891·1388
10 " "	10,000 " "	26	9	10	3	·4875	321·50727	154,323·4875
11 " "	11,000 " "	29	5	13	3	·8363	353·65799	169,755·8363
12 " "	12,000 " "	32	1	16	4	·1850	385·80872	185,188·1850
13 " "	13,000 " "	34	9	19	4	·5338	417·95945	200,620·5338
14 " "	14,000 " "	37	6	2	4	·8825	450·11017	216,052·8825
15 " "	15,000 " "	40	2	5	5	·2313	482·26090	231,485·2313
16 " "	16,000 " "	42	10	8	5	·5800	514·41162	246,917·5800
17 " "	17,000 " "	45	6	11	5	·9288	546·56235	262,349·9288
18 " "	18,000 " "	48	2	14	6	·2775	578·71308	277,782·2775
19 " "	19,000 " "	50	10	17	6	·6263	610·86380	293,214·6263
20 " "	20,000 " "	53	7	0	6	·9750	643·01453	308,646·9750
21 " "	21,000 " "	56	3	3	7	·3238	675·16526	324,079·3238
22 " "	22,000 " "	58	11	6	7	·6725	707·31598	339,511·6725
23 " "	23,000 " "	61	7	9	8	·0213	739·46671	354,944·0213
24 " "	24,000 " "	64	3	12	8	·3700	771·61744	370,376·3700
25 " "	25,000 " "	66	11	15	8	·7188	803·76816	385,808·7188
26 " "	26,000 " "	69	7	18	9	·0675	835·91889	401,241·0675
27 " "	27,000 " "	72	4	1	9	·4163	868·06962	416,673·4163
28 " "	28,000 " "	75	0	4	9	·7650	900·22034	432,105·7650
29 " "	29,000 " "	77	8	7	10	·1138	932·37107	447,538·1138
30 " "	30,000 " "	80	4	10	10	·4625	964·52180	462,970·4625
31 " "	31,000 " "	83	0	13	10	·8113	996·67252	478,402·8113
32 " "	32,000 " "	85	8	16	11	·1600	1028·82325	493,835·1600
33 " "	33,000 " "	88	4	19	11	·5088	1060·97398	509,267·5088
34 " "	34,000 " "	91	1	2	11	·8575	1093·12470	524,699·8575
35 " "	35,000 " "	93	9	5	12	·2063	1125·27543	540,132·2063
36 " "	36,000 " "	96	5	8	12	·5550	1157·42616	555,564·5550
37 " "	37,000 " "	99	1	11	12	·9038	1189·57688	570,996·9038
38 " "	38,000 " "	101	9	14	13	·2525	1221·72761	586,429·2525
39 " "	39,000 " "	104	5	17	13	·6013	1253·87834	601,861·6013
40 " "	40,000 " "	107	2	0	13	·9500	1286·02906	617,293·9500
41 " "	41,000 " "	109	10	3	14	·2988	1318·17979	632,726·2988
42 " "	42,000 " "	112	6	6	14	·6475	1350·33052	648,158·6475
43 " "	43,000 " "	115	2	9	14	·9963	1382·48124	663,590·9963
44 " "	44,000 " "	117	10	12	15	·3450	1414·63197	679,023·3450
45 " "	45,000 " "	120	6	15	15	·6938	1446·78270	694,455·6938
46 " "	46,000 " "	123	2	18	16	·0425	1478·93342	709,888·0425

WEIGHTS.

IV.—Metric converted into Troy.

	Pounds.	Ounces.	Penny-weights.	Grains.	dec.	OR THUS		OR THUS	
						Ounces.	decimals.	Grains.	decimals.
47 Kilograms or 47,000 grams, . . .	125	11	1	16	· 3913	1,511	· 08415	725,320	· 3913
48 " " 48,000 " . . .	128	7	4	16	· 7400	1,543	· 23487	740,752	· 7400
49 " " 49,000 " . . .	131	3	7	17	· 0888	1,575	· 38560	756,185	· 0888
50 " " 50,000 " . . .	133	11	10	17	· 4375	1,607	· 53633	771,617	· 4375
51 " " 51,000 " . . .	136	7	13	17	· 7863	1,639	· 68705	787,049	· 7863
52 " " 52,000 " . . .	139	3	16	18	· 1350	1,671	· 83778	802,482	· 1350
53 " " 53,000 " . . .	141	11	19	18	· 4838	1,703	· 98851	817,914	· 4838
54 " " 54,000 " . . .	144	8	2	18	· 8325	1,736	· 13923	833,346	· 8325
55 " " 55,000 " . . .	147	4	5	19	· 1813	1,768	· 28996	848,779	· 1813
56 " " 56,000 " . . .	150	0	8	19	· 5300	1,800	· 44069	864,211	· 5300
57 " " 57,000 " . . .	152	8	11	19	· 8788	1,832	· 59141	879,643	· 8788
58 " " 58,000 " . . .	155	4	14	20	· 2275	1,864	· 74214	895,076	· 2275
59 " " 59,000 " . . .	158	0	17	20	· 5763	1,896	· 89287	910,508	· 5763
60 " " 60,000 " . . .	160	9	0	20	· 9250	1,929	· 04359	925,940	· 9250
61 " " 61,000 " . . .	163	5	3	21	· 2738	1,961	· 19432	941,373	· 2738
62 " " 62,000 " . . .	166	1	6	21	· 6225	1,993	· 34505	956,805	· 6225
63 " " 63,000 " . . .	168	9	9	21	· 9713	2,025	· 49577	972,237	· 9713
64 " " 64,000 " . . .	171	5	12	22	· 3200	2,057	· 64650	987,670	· 3200
65 " " 65,000 " . . .	174	1	15	22	· 6688	2,089	· 79723	1,003,102	· 6688
66 " " 66,000 " . . .	176	9	18	23	· 0175	2,121	· 94795	1,018,535	· 0175
67 " " 67,000 " . . .	179	6	1	23	· 3663	2,154	· 09868	1,033,967	· 3663
68 " " 68,000 " . . .	182	2	4	23	· 7150	2,186	· 24941	1,049,399	· 7150
69 " " 69,000 " . . .	184	10	8	0	· 0638	2,218	· 40013	1,064,832	· 0638
70 " " 70,000 " . . .	187	6	11	0	· 4125	2,250	· 55086	1,080,264	· 4125
71 " " 71,000 " . . .	190	2	14	0	· 7613	2,282	· 70159	1,095,696	· 7613
72 " " 72,000 " . . .	192	10	17	1	· 1100	2,314	· 85231	1,111,129	· 1100
73 " " 73,000 " . . .	195	7	0	1	· 4588	2,347	· 00304	1,126,561	· 4588
74 " " 74,000 " . . .	198	3	3	1	· 8075	2,379	· 15377	1,141,993	· 8075
75 " " 75,000 " . . .	200	11	6	2	· 1563	2,411	· 30449	1,157,426	· 1563
76 " " 76,000 " . . .	203	7	9	2	· 5050	2,443	· 45522	1,172,858	· 5050
77 " " 77,000 " . . .	206	3	12	2	· 8538	2,475	· 60595	1,188,290	· 8538
78 " " 78,000 " . . .	208	11	15	3	· 2025	2,507	· 75667	1,203,723	· 2025
79 " " 79,000 " . . .	211	7	18	3	· 5513	2,539	· 90740	1,219,155	· 5513
80 " " 80,000 " . . .	214	4	1	3	· 9000	2,572	· 05812	1,234,587	· 9000
81 " " 81,000 " . . .	217	0	4	4	· 2488	2,604	· 20885	1,250,020	· 2488
82 " " 82,000 " . . .	219	8	7	4	· 5975	2,636	· 35958	1,265,452	· 5975
83 " " 83,000 " . . .	222	4	10	4	· 9463	2,668	· 51030	1,280,884	· 9463
84 " " 84,000 " . . .	225	0	13	5	· 2950	2,700	· 66103	1,296,317	· 2950
85 " " 85,000 " . . .	227	8	16	5	· 6438	2,732	· 81176	1,311,749	· 6438
86 " " 86,000 " . . .	230	4	19	5	· 9925	2,764	· 96248	1,327,181	· 9925
87 " " 87,000 " . . .	233	1	2	6	· 3413	2,797	· 11321	1,342,614	· 3413
88 " " 88,000 " . . .	235	9	5	6	· 6900	2,829	· 26394	1,358,046	· 6900
89 " " 89,000 " . . .	238	5	8	7	· 0388	2,861	· 41466	1,373,479	· 0388
90 " " 90,000 " . . .	241	1	11	7	· 3875	2,893	· 56539	1,388,911	· 3875
91 " " 91,000 " . . .	243	9	14	7	· 7363	2,925	· 71612	1,404,343	· 7363
92 " " 92,000 " . . .	246	5	17	8	· 0850	2,957	· 86684	1,419,776	· 0850
93 " " 93,000 " . . .	249	2	0	8	· 4338	2,990	· 01757	1,435,208	· 4338
94 " " 94,000 " . . .	251	10	3	8	· 7825	3,022	· 16830	1,450,640	· 7825
95 " " 95,000 " . . .	254	6	6	9	· 1313	3,054	· 31902	1,466,073	· 1313
96 " " 96,000 " . . .	257	2	9	9	· 4800	3,086	· 46975	1,481,505	· 4800

WEIGHTS.

V.—Apothecaries' converted into Metric.

	Kilo-grams.	Hecto-grams.	Deka-grams.	Grams.	Deci-grams.	Centi-grams.	Milli-grams.	decimals.	EQUIVALENTS				
									Which Weight if of Pure Water at temp. 39° would occupy the space of			Or of Measure of Capacity.	
									Cubic Decimetres.	Cubic Centimetres.	dec.	Centi-litres.	dec.
1 grain,	6	4	798950322	...	0	0648	0	0065
2 "	1	2	9	597900644	...	0	1296	0	0130
3 "	1	9	4	396850966	...	0	1944	0	0194
4 "	2	5	9	195801288	...	0	2592	0	0259
5 "	3	2	3	994751610	...	0	3240	0	0324
6 "	3	8	8	793701932	...	0	3888	0	0389
7 "	4	5	3	592652254	...	0	4536	0	0454
8 "	5	1	8	391602576	...	0	5184	0	0518
9 "	5	8	3	190552898	...	0	5832	0	0583
10 "	6	4	7	989503220	...	0	6480	0	0648
11 "	7	1	2	788453542	...	0	7128	0	0713
12 "	7	7	7	587403864	...	0	7776	0	0778
13 "	8	4	2	386354186	...	0	8424	0	0842
14 "	9	0	7	185304508	...	0	9072	0	0907
15 "	9	7	1	984254830	...	0	9720	0	0972
16 "	1	0	3	6	783205152	...	1	0368	0	1037
17 "	1	1	0	1	582155474	...	1	1016	0	1102
18 "	1	1	6	6	381105796	...	1	1664	0	1166
19 "	1	2	3	1	180056118	...	1	2312	0	1231
1 scruple,	1	2	9	5979006440	...	1	2960	0	1296
2 "	2	5	9	195801288	...	2	5920	0	2592
1 dram,	3	8	8	793701932	...	3	8879	0	3888
2 "	7	7	7	587403864	...	7	7759	0	7776
3 "	1	1	6	6	381105796	...	11	6638	1	1664
4 "	1	5	5	5	174807728	...	15	5517	1	5552
5 "	1	9	4	3	968509660	...	19	4397	1	9440
6 "	2	3	3	2	762211592	...	23	3276	2	3328
7 "	2	7	2	1	555913524	...	27	2156	2	7216
1 ounce,	3	1	1	038496154	...	31	1035	3	1103
2 "	6	2	2	06992308	...	62	2070	6	2207
3 "	9	3	3	10488462	...	93	3105	9	3310
4 "	...	1	2	4	4	1	3	984616	...	124	4140	12	4414
5 "	...	1	5	5	5	1	7	480770	...	155	5175	15	5517
6 "	...	1	8	6	6	2	0	976924	...	186	6210	18	6621
7 "	...	2	1	7	7	2	4	473078	...	217	7245	21	7724
8 "	...	2	4	8	8	2	7	969232	...	248	8280	24	8828
9 "	...	2	7	9	9	3	1	465386	...	279	9315	27	9931
10 "	...	3	1	1	0	3	4	961540	...	311	0350	31	1035
11 "	...	3	4	2	1	3	8	457694	...	342	1385	34	2138
1 pound,	...	3	7	3	2	4	1	95385	...	373	2420	37	3242
2 "	...	7	4	6	4	8	3	90770	...	746	4839	74	6484
3 "	...	1	1	1	9	7	2	586155	1	119	7259	111	9726
4 "	...	1	4	9	2	9	6	781540	1	492	9678	149	2968
5 "	...	1	8	6	6	2	0	976925	1	866	2098	186	6210
6 "	...	2	2	3	9	4	5	172310	2	239	4517	223	9452
7 "	...	2	6	1	2	6	9	367695	2	612	6937	261	2694
8 "	...	2	9	8	5	9	3	563080	2	985	9356	298	5936
9 "	...	3	3	5	9	1	7	758465	3	359	1776	335	9178
10 "	...	3	7	3	2	4	1	953850	3	732	4195	373	2420

WEIGHTS.

VI.—Metric converted into Apothecaries'.

	Pounds.	Ounces.	Drams.	Scruples.	Grains.	EQUIVALENTS			
						Which Weight if of Pure Water at temp. 39° would occupy the space of		Or of Measure of Capacity.	
						Cubic Inches.	dec.	Pints.	dec.
1 Milligram,	0 · 0154323	0 · 000061	0 · 0000176		
2 "	0 · 0308647	0 · 000122	0 · 0000352		
3 "	0 · 0462970	0 · 000183	0 · 0000528		
4 "	0 · 0617294	0 · 000244	0 · 0000704		
5 "	0 · 0771617	0 · 000305	0 · 0000880		
6 "	0 · 0925941	0 · 000366	0 · 0001056		
7 "	0 · 1080264	0 · 000427	0 · 0001233		
8 "	0 · 1234588	0 · 000488	0 · 0001409		
9 "	0 · 1388911	0 · 000549	0 · 0001585		
1 Centigram,	0 · 1543235	0 · 000610	0 · 0001761		
2 "	0 · 3086470	0 · 001221	0 · 0003522		
3 "	0 · 4629705	0 · 001831	0 · 0005282		
4 "	0 · 6172940	0 · 002441	0 · 0007043		
5 "	0 · 7716174	0 · 003051	0 · 0008804		
6 "	0 · 9259409	0 · 003662	0 · 0010565		
7 "	1 · 0802644	0 · 004272	0 · 0012325		
8 "	1 · 2345879	0 · 004882	0 · 0014086		
9 "	1 · 3889114	0 · 005492	0 · 0015847		
1 Decigram,	1 · 5432349	0 · 006103	0 · 0017608		
2 "	3 · 0864698	0 · 012205	0 · 0035215		
3 "	4 · 6297046	0 · 018308	0 · 0052823		
4 "	6 · 1729395	0 · 024411	0 · 0070431		
5 "	7 · 7161744	0 · 030514	0 · 0088039		
6 "	9 · 2594093	0 · 036616	0 · 0105646		
7 "	10 · 8026441	0 · 042719	0 · 0123254		
8 "	12 · 3458790	0 · 048822	0 · 0140862		
9 "	13 · 8891139	0 · 054924	0 · 0158469		
1 Gram,	15 · 4323488	0 · 061027	0 · 0176077		
2 "	1	10 · 8646975	0 · 122054	0 · 0352154		
3 "	2	6 · 2970463	0 · 183081	0 · 0528231		
4 "	1	0	1 · 7293950	0 · 244108	0 · 0704308		
5 "	1	0	17 · 1617438	0 · 305135	0 · 0880385		
6 "	1	1	12 · 5940925	0 · 366162	0 · 1056462		
7 "	1	2	8 · 0264413	0 · 427189	0 · 01232539		
8 "	2	0	3 · 4587900	0 · 488216	0 · 01408616		
9 "	2	0	18 · 8911388	0 · 549243	0 · 01584693		
1 Dekagram,	2	1	14 · 3234875	0 · 610271	0 · 0176077		
2 "	5	0	8 · 6469750	1 · 220541	0 · 0352154		
3 "	7	2	2 · 9704625	1 · 830812	0 · 0528231		
4 "	1	2	0	17 · 2939500	2 · 441082	0 · 0704308		
5 "	1	4	2	11 · 6174375	3 · 051353	0 · 0880385		
6 "	1	7	1	5 · 9409250	3 · 661623	0 · 1056462		
7 "	2	2	0	0 · 2644125	4 · 271894	0 · 1232539		
8 "	2	4	1	14 · 5879000	4 · 882164	0 · 1408616		
9 "	2	7	0	8 · 9113875	5 · 492435	0 · 1584693		
1 Hectogram,	3	1	2	3 · 234875	6 · 102705	0 · 176077		
2 "	6	3	1	6 · 469750	12 · 205411	0 · 352154		
3 "	9	5	0	9 · 704625	18 · 308116	0 · 528231		
4 "	1	0	6	2	12 · 939500	24 · 410821	0 · 704308		
5 "	1	4	0	1	16 · 174375	30 · 513526	0 · 880385		

Metric and British Weights and Measures.

TABLES OF EQUIVALENT PRICES

IN

BRITISH CURRENCY

OF

GOODS BOUGHT OR SOLD BY ONE SYSTEM OF WEIGHTS AND MEASURES
COMPARED WITH THOSE OF THE OTHER.

- 1.—THE METRE AND THE YARD.
- 2.—THE LITRE AND THE PINT.
- 3.—THE LITRE AND THE GALLON.
- 4.—THE KILOLITRE AND THE QUARTER.
- 5.—THE DEKAGRAM AND THE OUNCE TROY.
- 6.—THE KILOGRAM AND THE POUND AVOIRDUPOIS.

N.B.—If any price is required which is not given in these Tables, it may be found by the addition of two or more together. Thus:

Required the Equivalent Price per Yard of 10s. 11½d. per Metre—

	pence. dec.
10 shillings per Metre is equal to per Yard (see page 68),	109 · 726
11 pence do. do.,	10 · 058
2 farthings do. do.,	0 · 457

Answer, 10s. 0.241d.; or pence, 120 · 241

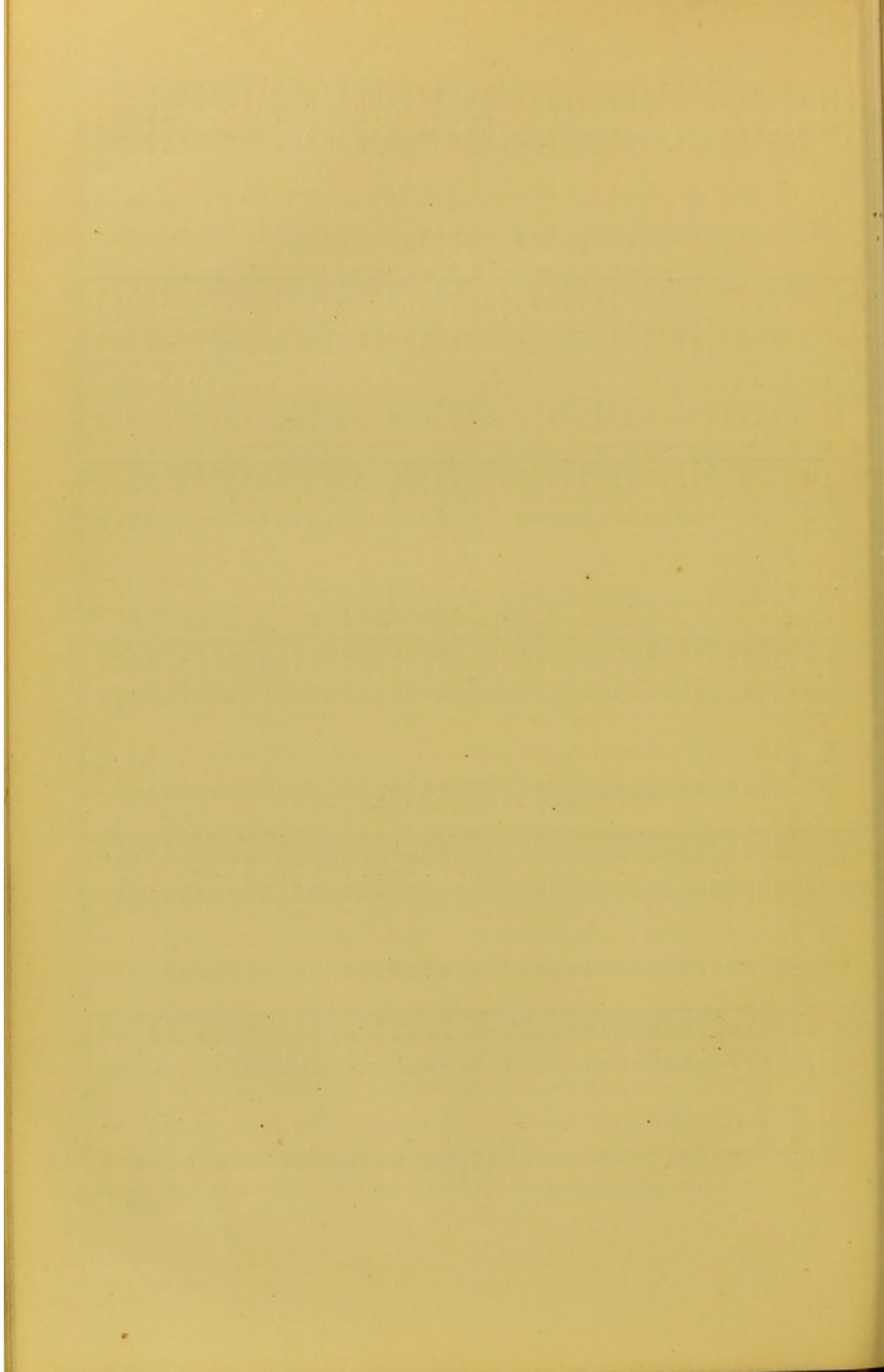
Fractional parts of a penny — $\frac{1}{8}$ = .0625; $\frac{1}{4}$ = .125; $\frac{3}{8}$ = .1875; $\frac{1}{2}$ = .25; $\frac{5}{8}$ = .3125; $\frac{3}{4}$ = .375; $\frac{7}{8}$ = .4375; $\frac{1}{2}$ = .5; $\frac{5}{8}$ = .5625; $\frac{3}{4}$ = .625; $\frac{7}{8}$ = .6875; $\frac{3}{4}$ = .75; $\frac{7}{8}$ = .8125; $\frac{1}{2}$ = .875; $\frac{7}{8}$ = .9375.

III.—Equivalent Prices in British Currency of Goods Bought and Sold by the Litre and the Gallon.

Price per Litre.	Is equal to per Gallon.		Price per Litre.		Is equal to per Gallon.		Price per Gallon.		Is equal to per Litre.		Price per Gallon.		Is equal to per Litre.			
	pence.	dec.	pence.	dec.	pence.	dec.	pence.	dec.	pence.	dec.	pence.	dec.	pence.	dec.		
At 1 farthing.	1	136	195	369	395	282	0	055	At 1 farthing.	0	055	9	464	At 87 pence.	19	148
2 "	2	272	199	913	399	825	0	110	2 "	0	110	9	684	88 "	19	368
1 penny.	4	543	204	456	404	369	0	220	1 penny.	0	220	9	904	89 "	19	589
2 "	9	087	208	999	408	912	0	440	2 "	0	440	10	124	90 "	19	809
3 "	13	630	213	543	413	455	0	660	3 "	0	660	10	345	91 "	20	029
4 "	18	174	218	086	417	999	0	880	4 "	0	880	10	565	92 "	20	249
5 "	22	717	222	630	422	542	1	100	5 "	1	100	10	785	93 "	20	469
6 "	27	261	227	173	427	086	1	321	6 "	1	321	11	005	94 "	20	689
7 "	31	804	231	717	431	629	1	541	7 "	1	541	11	225	95 "	20	909
8 "	36	348	236	260	436	173	1	761	8 "	1	761	11	445	96 "	21	129
9 "	40	891	240	804	440	716	1	981	9 "	1	981	11	665	97 "	21	349
10 "	45	435	245	347	445	260	2	201	10 "	2	201	11	885	98 "	21	569
11 "	49	978	249	891	449	807	2	421	11 "	2	421	12	105	99 "	21	790
12 "	54	522	254	434	454	347	2	641	12 "	2	641	12	325	100 "	22	010
13 "	59	065	258	977	458	890	2	861	13 "	2	861	12	545	101 "	22	230
14 "	63	609	263	521	463	434	3	081	14 "	3	081	12	766	102 "	22	450
15 "	68	152	268	065	467	977	3	301	15 "	3	301	12	986	103 "	22	670
16 "	72	695	272	608	472	521	3	522	16 "	3	522	13	206	104 "	22	890
17 "	77	239	277	151	477	064	3	742	17 "	3	742	13	426	105 "	23	110
18 "	81	782	281	695	481	607	3	962	18 "	3	962	13	646	106 "	23	330
19 "	86	326	286	238	486	151	4	182	19 "	4	182	13	866	107 "	23	550
20 "	90	869	290	782	490	694	4	402	20 "	4	402	14	086	108 "	23	770
21 "	95	413	295	325	495	238	4	622	21 "	4	622	14	306	109 "	23	990
22 "	99	956	299	869	499	781	4	842	22 "	4	842	14	526	110 "	24	211
23 "	104	500	304	412	504	325	5	062	23 "	4	842	14	746	111 "	24	431
24 "	109	043	308	956	508	868	5	282	24 "	5	282	14	967	112 "	24	651
25 "	113	587	313	499	513	412	5	502	25 "	5	502	15	187	113 "	24	871
26 "	118	130	318	043	517	955	5	722	26 "	5	722	15	407	114 "	25	091
27 "	122	674	322	586	522	499	5	943	27 "	5	943	15	627	115 "	25	311
28 "	127	217	327	130	527	042	6	163	28 "	6	163	15	847	116 "	25	531
29 "	131	761	331	673	531	586	6	383	29 "	6	383	16	067	117 "	25	751
30 "	136	304	336	217	536	129	6	603	30 "	6	603	16	287	118 "	25	971
31 "	140	847	340	760	540	673	6	823	31 "	6	823	16	507	119 "	26	191
32 "	145	391	345	303	545	216	7	043	32 "	7	043	16	727	10 shillings.	26	412
33 "	149	934	349	847	599	738	7	263	33 "	7	263	16	947	11 "	29	053
34 "	154	478	354	390	654	259	7	483	34 "	7	483	17	167	12 "	31	694
35 "	159	021	358	939	708	781	7	703	35 "	7	703	17	388	13 "	34	335
36 "	163	565	363	477	763	302	7	923	36 "	7	923	17	608	14 "	36	976
37 "	168	108	368	021	817	824	8	144	37 "	8	144	17	828	15 "	39	617
38 "	172	652	372	564	872	346	8	364	38 "	8	364	18	048	16 "	42	258
39 "	177	195	377	108	926	867	8	584	39 "	8	584	18	268	17 "	44	900
40 "	181	739	381	651	981	339	8	804	40 "	8	804	18	488	18 "	47	541
41 "	186	282	386	195	1035	910	9	024	41 "	9	024	18	708	19 "	50	182
42 "	190	826	390	738	1090	432	9	244	42 "	9	244	18	928	1 pound.	52	823

V.—Equivalent Prices in British Currency of Goods Bought and Sold by the Dekagram and the Ounce Troy.

Price per Dekagram.	Is equal to per Ounce Troy.		Price per Dekagram.	Is equal to per Ounce Troy.		Price per Ounce Troy.	Is equal to per Dekagram.		Price per Ounce Troy.	Is equal to per Dekagram.	
	pence, dec.	dec.		pence, dec.	dec.		pence, dec.	dec.		pence, dec.	dec.
At 1 farthing.	0 · 778	133 · 745	At 43 pence.	0 · 080	270 · 600	At 1 farthing	0 · 080	270 · 600	At 43 pence.	13 · 825	27 · 971
2 "	1 · 555	136 · 855	"	"	273 · 711	2 "	0 · 161	273 · 711	"	14 · 146	28 · 293
1 penny.	3 · 110	139 · 966	"	1 penny.	276 · 821	1 penny.	0 · 322	276 · 821	"	14 · 468	28 · 614
2 "	6 · 221	143 · 076	"	"	279 · 931	2 "	0 · 643	279 · 931	"	14 · 789	28 · 936
3 "	9 · 331	146 · 186	"	"	283 · 042	3 "	0 · 965	283 · 042	"	15 · 111	29 · 257
4 "	12 · 441	149 · 297	"	"	286 · 152	4 "	1 · 286	286 · 152	"	15 · 432	29 · 579
5 "	15 · 552	152 · 407	"	"	289 · 263	5 "	1 · 608	289 · 263	"	15 · 754	29 · 900
6 "	18 · 662	155 · 517	"	"	292 · 373	6 "	1 · 929	292 · 373	"	16 · 076	30 · 222
7 "	21 · 772	158 · 628	"	"	295 · 483	7 "	2 · 251	295 · 483	"	16 · 397	30 · 543
8 "	24 · 883	161 · 738	"	"	298 · 594	8 "	2 · 572	298 · 594	"	16 · 719	30 · 865
9 "	27 · 993	164 · 849	"	"	301 · 704	9 "	2 · 894	301 · 704	"	17 · 040	31 · 186
10 "	31 · 103	167 · 959	"	"	304 · 814	10 "	3 · 215	304 · 814	"	17 · 362	31 · 508
11 "	34 · 214	171 · 069	"	"	307 · 925	11 "	3 · 537	307 · 925	"	17 · 683	31 · 829
12 "	37 · 324	174 · 180	"	"	311 · 035	12 "	3 · 858	311 · 035	"	18 · 005	32 · 151
13 "	40 · 435	177 · 290	"	"	314 · 145	13 "	4 · 180	314 · 145	"	18 · 326	32 · 473
14 "	43 · 545	180 · 400	"	"	317 · 256	14 "	4 · 501	317 · 256	"	18 · 648	32 · 794
15 "	46 · 655	183 · 511	"	"	320 · 366	15 "	4 · 823	320 · 366	"	18 · 969	33 · 116
16 "	49 · 766	186 · 621	"	"	323 · 476	16 "	5 · 144	323 · 476	"	19 · 291	33 · 437
17 "	52 · 876	189 · 731	"	"	326 · 587	17 "	5 · 466	326 · 587	"	19 · 612	33 · 759
18 "	55 · 986	192 · 842	"	"	329 · 697	18 "	5 · 787	329 · 697	"	19 · 934	34 · 080
19 "	59 · 097	195 · 952	"	"	332 · 807	19 "	6 · 109	332 · 807	"	20 · 255	34 · 402
20 "	62 · 207	199 · 062	"	"	335 · 918	20 "	6 · 430	335 · 918	"	20 · 577	34 · 723
21 "	65 · 317	202 · 173	"	"	339 · 028	21 "	6 · 752	339 · 028	"	20 · 898	35 · 045
22 "	68 · 428	205 · 283	"	"	342 · 138	22 "	7 · 073	342 · 138	"	21 · 220	35 · 366
23 "	71 · 538	208 · 393	"	"	345 · 249	23 "	7 · 395	345 · 249	"	21 · 541	35 · 688
24 "	74 · 648	211 · 504	"	"	348 · 359	24 "	7 · 716	348 · 359	"	21 · 863	36 · 009
25 "	77 · 759	214 · 614	"	"	351 · 470	25 "	8 · 038	351 · 470	"	22 · 184	36 · 331
26 "	80 · 869	217 · 724	"	"	354 · 580	26 "	8 · 359	354 · 580	"	22 · 506	36 · 652
27 "	83 · 979	220 · 835	"	"	357 · 690	27 "	8 · 681	357 · 690	"	22 · 827	36 · 974
28 "	87 · 090	223 · 945	"	"	360 · 801	28 "	9 · 002	360 · 801	"	23 · 149	37 · 295
29 "	90 · 200	227 · 056	"	"	363 · 911	29 "	9 · 324	363 · 911	"	23 · 470	37 · 617
30 "	93 · 310	230 · 166	"	"	367 · 021	30 "	9 · 645	367 · 021	"	23 · 792	37 · 938
31 "	96 · 421	233 · 276	"	"	370 · 132	31 "	9 · 967	370 · 132	"	24 · 113	38 · 260
32 "	99 · 531	236 · 387	"	"	373 · 242	32 "	10 · 288	373 · 242	"	24 · 435	38 · 581
33 "	102 · 642	239 · 497	"	"	410 · 566	33 "	10 · 610	410 · 566	"	24 · 756	42 · 439
34 "	105 · 752	242 · 607	"	"	447 · 890	34 "	10 · 931	447 · 890	"	25 · 078	46 · 297
35 "	108 · 862	245 · 718	"	"	485 · 215	35 "	11 · 253	485 · 215	"	25 · 399	50 · 156
36 "	111 · 973	248 · 828	"	"	522 · 539	36 "	11 · 574	522 · 539	"	25 · 721	54 · 014
37 "	115 · 083	251 · 938	"	"	559 · 863	37 "	11 · 896	559 · 863	"	26 · 042	57 · 872
38 "	118 · 193	255 · 049	"	"	597 · 187	38 "	12 · 217	597 · 187	"	26 · 364	61 · 730
39 "	121 · 304	258 · 159	"	"	634 · 511	39 "	12 · 539	634 · 511	"	26 · 685	65 · 588
40 "	124 · 414	261 · 269	"	"	671 · 836	40 "	12 · 860	671 · 836	"	27 · 007	69 · 446
41 "	127 · 524	264 · 380	"	"	709 · 160	41 "	13 · 182	709 · 160	"	27 · 328	73 · 304
42 "	130 · 635	267 · 490	"	"	746 · 484	42 "	13 · 503	746 · 484	"	27 · 650	77 · 162



Metric and British Weights and Measures.

TABLES OF EQUIVALENT PRICES

IN

BRITISH AND FRENCH CURRENCY

OF

GOODS BOUGHT OR SOLD BY ONE SYSTEM OF WEIGHTS AND MEASURES
COMPARED WITH THOSE OF THE OTHER.

- 1, 2.—THE METRE AND THE YARD.
- 3, 4.—THE LITRE AND THE PINT.
- 5, 6.—THE LITRE AND THE GALLON.
- 7, 8.—THE KILOLITRE AND THE QUARTER.
- 9, 10.—THE DEKAGRAM AND THE OUNCE TROY.
- 11, 12.—THE KILOGRAM AND THE POUND AVOIRDUPOIS.

N.B.—An Arbitrated Buying or Selling Price may easily be found by adding the Charges. Thus :

The Equivalent Price of 2 Francs per Metre, at Exchange 25 Francs per £ (see p. 76), is	pence.	17 · 556 per yard.
Say Charges 3 per cent. ($17556 \times 3 =$)		0 · 527
So that the Arbitrated Price is pence		<u>18 · 083 per yard.</u>

I.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Metre and the Yard (Exchange, 25 Francs per £).

PRICE PER METRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER METRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER METRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	
	Is equal to per Yard (Exchange 25 Francs per £).	pence. dec.		Is equal to per Yard (Exchange 25 Francs per £).	pence. dec.		Is equal to per Yard (Exchange 25 Francs per £).	pence. dec.
At 1 centime	0·088	0·00034	At 43 centimes	3·775	0·01452	At 85 centimes	7·461	0·02870
2 "	0·176	0·00068	44 "	3·862	0·01486	86 "	7·549	0·02904
3 "	0·263	0·00101	45 "	3·950	0·01519	87 "	7·637	0·02937
4 "	0·351	0·00135	46 "	4·038	0·01553	88 "	7·725	0·02971
5 "	0·439	0·00169	47 "	4·126	0·01587	89 "	7·813	0·03005
6 "	0·527	0·00203	48 "	4·213	0·01621	90 "	7·900	0·03039
7 "	0·614	0·00236	49 "	4·301	0·01654	91 "	7·988	0·03072
8 "	0·702	0·00270	50 "	4·389	0·01688	92 "	8·076	0·03106
9 "	0·790	0·00304	51 "	4·477	0·01722	93 "	8·164	0·03140
10 "	0·878	0·00338	52 "	4·565	0·01756	94 "	8·251	0·03174
11 "	0·966	0·00371	53 "	4·652	0·01789	95 "	8·339	0·03207
12 "	1·053	0·00405	54 "	4·740	0·01823	96 "	8·427	0·03241
13 "	1·141	0·00439	55 "	4·828	0·01857	97 "	8·515	0·03275
14 "	1·229	0·00473	56 "	4·916	0·01891	98 "	8·603	0·03309
15 "	1·317	0·00506	57 "	5·004	0·01924	99 "	8·690	0·03342
16 "	1·404	0·00540	58 "	5·091	0·01958	1 franc	8·778	0·034
17 "	1·492	0·00574	59 "	5·179	0·01992	2 "	17·556	0·068
18 "	1·580	0·00608	60 "	5·267	0·02026	3 "	26·334	0·101
19 "	1·668	0·00641	61 "	5·355	0·02059	4 "	35·112	0·135
20 "	1·756	0·00675	62 "	5·442	0·02093	5 "	43·890	0·169
21 "	1·843	0·00709	63 "	5·530	0·02127	6 "	52·668	0·203
22 "	1·931	0·00743	64 "	5·618	0·02161	7 "	61·447	0·236
23 "	2·019	0·00777	65 "	5·706	0·02195	8 "	70·225	0·270
24 "	2·107	0·00810	66 "	5·794	0·02228	9 "	79·003	0·304
25 "	2·195	0·00844	67 "	5·881	0·02262	10 "	87·781	0·338
26 "	2·282	0·00878	68 "	5·969	0·02296	11 "	96·559	0·371
27 "	2·370	0·00912	69 "	6·057	0·02330	12 "	105·337	0·405
28 "	2·458	0·00945	70 "	6·145	0·02363	13 "	114·115	0·439
29 "	2·546	0·00979	71 "	6·232	0·02397	14 "	122·893	0·473
30 "	2·633	0·01013	72 "	6·320	0·02431	15 "	131·671	0·506
31 "	2·721	0·01047	73 "	6·408	0·02465	16 "	140·449	0·540
32 "	2·809	0·01080	74 "	6·496	0·02498	17 "	149·227	0·574
33 "	2·897	0·01114	75 "	6·584	0·02532	18 "	158·005	0·608
34 "	2·985	0·01148	76 "	6·671	0·02566	19 "	166·783	0·641
35 "	3·072	0·01182	77 "	6·759	0·02600	20 "	175·562	0·675
36 "	3·160	0·01215	78 "	6·847	0·02633	21 "	184·340	0·709
37 "	3·248	0·01249	79 "	6·935	0·02667	22 "	193·118	0·743
38 "	3·336	0·01283	80 "	7·022	0·02701	23 "	201·896	0·777
39 "	3·423	0·01317	81 "	7·110	0·02735	24 "	210·674	0·810
40 "	3·511	0·01350	82 "	7·198	0·02768	25 "	219·452	0·844
41 "	3·599	0·01384	83 "	7·286	0·02802	26 "	228·230	0·878
42 "	3·687	0·01418	84 "	7·374	0·02836	27 "	237·008	0·912

II.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Yard and the Metre (Exchange 25 Francs per £).

PRICE PER YARD.	Is equal to * per Metre (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER YARD.	Is equal to per Metre (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER YARD.	Is equal to per Metre (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.			
	Francs.	cents.	dec.			Francs.	cents.	dec.			Francs.	cents.	dec.		Francs.	cents.	dec.
1 farthing	02	85		00	011	43 pence	4	89	86	01	959	87 pence	9	91	10	03	965
2 "	05	70		00	023	44 "	5	01	25	02	005	88 "	10	02	50	04	010
1 penny	11	39		00	046	45 "	5	12	64	02	051	89 "	10	13	89	04	056
2 "	22	78		00	091	46 "	5	24	03	02	096	90 "	10	25	28	04	101
3 "	34	18		00	137	47 "	5	35	42	02	142	91 "	10	36	67	04	147
4 "	45	57		00	182	48 "	5	46	82	02	187	92 "	10	48	06	04	192
5 "	56	96		00	228	49 "	5	58	21	02	233	93 "	10	59	46	04	238
6 "	68	35		00	273	50 "	5	69	60	02	278	94 "	10	70	85	04	284
7 "	79	74		00	319	51 "	5	80	99	02	324	95 "	10	82	24	04	329
8 "	91	14		00	365	52 "	5	92	38	02	370	96 "	10	93	63	04	375
9 "	1	02	53	00	410	53 "	6	03	78	02	415	97 "	11	05	02	04	420
10 "	1	13	92	00	456	54 "	6	15	17	02	461	98 "	11	16	42	04	466
11 "	1	25	31	00	501	55 "	6	26	56	02	506	99 "	11	27	81	04	511
12 "	1	36	70	00	547	56 "	6	37	95	02	552	100 "	11	39	20	04	557
13 "	1	48	10	00	592	57 "	6	49	34	02	597	101 "	11	50	59	04	603
14 "	1	59	49	00	638	58 "	6	60	74	02	643	102 "	11	61	99	04	648
15 "	1	70	88	00	684	59 "	6	72	13	02	689	103 "	11	73	38	04	694
16 "	1	82	27	00	729	60 "	6	83	52	02	734	104 "	11	84	77	04	739
17 "	1	93	66	00	775	61 "	6	94	91	02	780	105 "	11	96	16	04	785
18 "	2	05	06	00	820	62 "	7	06	30	02	825	106 "	12	07	55	04	830
19 "	2	16	45	00	866	63 "	7	17	70	02	871	107 "	12	18	95	04	876
20 "	2	27	84	00	911	64 "	7	29	09	02	916	108 "	12	30	34	04	922
21 "	2	39	23	00	957	65 "	7	40	48	02	962	109 "	12	41	73	04	967
22 "	2	50	62	01	003	66 "	7	51	87	03	008	110 "	12	53	12	05	013
23 "	2	62	02	01	048	67 "	7	63	26	03	053	111 "	12	64	51	05	058
24 "	2	73	41	01	094	68 "	7	74	66	03	099	112 "	12	75	91	05	104
25 "	2	84	80	01	139	69 "	7	86	05	03	144	113 "	12	87	30	05	149
26 "	2	96	19	01	185	70 "	7	97	44	03	190	114 "	12	98	69	05	195
27 "	3	07	58	01	230	71 "	8	08	83	03	235	115 "	13	10	08	05	241
28 "	3	18	98	01	276	72 "	8	20	22	03	281	116 "	13	21	47	05	286
29 "	3	30	37	01	322	73 "	8	31	62	03	327	117 "	13	32	87	05	332
30 "	3	41	76	01	367	74 "	8	43	01	03	372	118 "	13	44	26	05	377
31 "	3	53	15	01	413	75 "	8	54	40	03	418	119 "	13	55	65	05	423
32 "	3	64	54	01	458	76 "	8	65	79	03	463	10 shills.	13	67	04	05	468
33 "	3	75	94	01	504	77 "	8	77	18	03	509	11 "	15	03	75	06	015
34 "	3	87	33	01	549	78 "	8	88	58	03	554	12 "	16	40	45	06	562
35 "	3	98	72	01	595	79 "	8	99	97	03	600	13 "	17	77	15	07	109
36 "	4	10	11	01	641	80 "	9	11	36	03	646	14 "	19	13	86	07	656
37 "	4	21	50	01	686	81 "	9	22	75	03	691	15 "	20	50	56	08	203
38 "	4	32	90	01	732	82 "	9	34	14	03	737	16 "	21	87	27	08	749
39 "	4	44	29	01	777	83 "	9	45	54	03	782	17 "	23	23	97	09	296
40 "	4	55	68	01	823	84 "	9	56	93	03	828	18 "	24	60	67	09	843
41 "	4	67	07	01	868	85 "	9	68	32	03	873	19 "	25	97	38	10	390
42 "	4	78	46	01	914	86 "	9	79	71	03	919	1 pound	27	34	08	10	937

III.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Litre and the Pint (Exchange, 25 Francs per £).

PRICE PER LITRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER LITRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER LITRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	
	Is equal to per Pint (Exchange 25 Francs per £).	pence. dec.		Is equal to per Pint (Exchange 25 Francs per £).	pence. dec.		Is equal to per Pint (Exchange 25 Francs per £).	pence. dec.
At 1 centime	0·055	0·00021	At 43 centimes	2·344	0·00902	At 85 centimes	4·634	0·01782
2 "	0·109	0·00042	44 "	2·399	0·00923	86 "	4·689	0·01803
3 "	0·164	0·00063	45 "	2·453	0·00944	87 "	4·743	0·01824
4 "	0·218	0·00084	46 "	2·508	0·00965	88 "	4·798	0·01845
5 "	0·273	0·00105	47 "	2·562	0·00986	89 "	4·852	0·01866
6 "	0·327	0·00126	48 "	2·617	0·01007	90 "	4·907	0·01887
7 "	0·382	0·00147	49 "	2·671	0·01028	91 "	4·961	0·01908
8 "	0·436	0·00168	50 "	2·726	0·01048	92 "	5·016	0·01929
9 "	0·491	0·00189	51 "	2·781	0·01069	93 "	5·070	0·01950
10 "	0·545	0·00210	52 "	2·835	0·01090	94 "	5·125	0·01971
11 "	0·600	0·00231	53 "	2·890	0·01111	95 "	5·179	0·01992
12 "	0·654	0·00252	54 "	2·944	0·01132	96 "	5·234	0·02013
13 "	0·709	0·00273	55 "	2·999	0·01153	97 "	5·288	0·02034
14 "	0·763	0·00294	56 "	3·053	0·01174	98 "	5·343	0·02055
15 "	0·818	0·00315	57 "	3·108	0·01195	99 "	5·397	0·02076
16 "	0·872	0·00336	58 "	3·162	0·01216	1 franc	5·452	0·021
17 "	0·927	0·00356	59 "	3·217	0·01237	2 "	10·904	0·042
18 "	0·981	0·00377	60 "	3·271	0·01258	3 "	16·356	0·063
19 "	1·036	0·00398	61 "	3·326	0·01279	4 "	21·809	0·084
20 "	1·090	0·00419	62 "	3·380	0·01300	5 "	27·261	0·105
21 "	1·145	0·00440	63 "	3·435	0·01321	6 "	32·713	0·126
22 "	1·199	0·00461	64 "	3·489	0·01342	7 "	38·165	0·147
23 "	1·254	0·00482	65 "	3·544	0·01363	8 "	43·617	0·168
24 "	1·309	0·00503	66 "	3·598	0·01384	9 "	49·069	0·189
25 "	1·363	0·00524	67 "	3·653	0·01405	10 "	54·522	0·210
26 "	1·418	0·00545	68 "	3·707	0·01426	11 "	59·974	0·231
27 "	1·472	0·00566	69 "	3·762	0·01447	12 "	65·426	0·252
28 "	1·527	0·00587	70 "	3·816	0·01468	13 "	70·878	0·273
29 "	1·581	0·00608	71 "	3·871	0·01489	14 "	76·330	0·294
30 "	1·636	0·00629	72 "	3·925	0·01510	15 "	81·782	0·315
31 "	1·690	0·00650	73 "	3·980	0·01531	16 "	87·235	0·336
32 "	1·745	0·00671	74 "	4·034	0·01552	17 "	92·687	0·356
33 "	1·799	0·00692	75 "	4·089	0·01573	18 "	98·139	0·377
34 "	1·854	0·00713	76 "	4·144	0·01594	19 "	103·591	0·398
35 "	1·908	0·00734	77 "	4·198	0·01615	20 "	109·043	0·419
36 "	1·963	0·00755	78 "	4·253	0·01636	21 "	114·495	0·440
37 "	2·017	0·00776	79 "	4·307	0·01657	22 "	119·947	0·461
38 "	2·072	0·00797	80 "	4·362	0·01678	23 "	125·400	0·482
39 "	2·126	0·00818	81 "	4·416	0·01699	24 "	130·852	0·503
40 "	2·181	0·00839	82 "	4·471	0·01720	25 "	136·304	0·524
41 "	2·235	0·00860	83 "	4·525	0·01741	26 "	141·756	0·545
42 "	2·290	0·00881	84 "	4·580	0·01761	27 "	147·208	0·566

IV.—Equivalent Prices in British and French Currency of Goods Bought or Sold
by the Pint and the Litre (Exchange 25 Francs per £).

PRICE PER PINT.	Is equal to per Litre (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER PINT.	Is equal to per Litre (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER PINT.	Is equal to per Litre (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.						
	Francs.	cents.	dec.			Francs.	cents.	dec.			Francs.	cents.	dec.		Francs.	cents.	dec.			
1 farthing	...	04	59	...	00	018	43 pence	7	88	68	...	03	155	87 pence	15	95	69	...	06	383
2 "	...	09	17	...	00	037	44 "	8	07	02	...	03	228	88 "	16	14	03	...	06	456
1 penny	...	18	34	...	00	073	45 "	8	25	36	...	03	301	89 "	16	32	38	...	06	529
2 "	...	36	68	...	00	147	46 "	8	43	70	...	03	375	90 "	16	50	72	...	06	603
3 "	...	55	02	...	00	220	47 "	8	62	04	...	03	448	91 "	16	69	06	...	06	676
4 "	...	73	37	...	00	293	48 "	8	80	38	...	03	522	92 "	16	87	40	...	06	750
5 "	...	91	71	...	00	367	49 "	8	98	72	...	03	595	93 "	17	05	74	...	06	823
6 "	1	10	05	...	00	440	50 "	9	17	07	...	03	668	94 "	17	24	08	...	06	896
7 "	1	28	39	...	00	514	51 "	9	35	41	...	03	742	95 "	17	42	42	...	06	970
8 "	1	46	73	...	00	587	52 "	9	53	75	...	03	815	96 "	17	60	76	...	07	043
9 "	1	65	07	...	00	660	53 "	9	72	09	...	03	888	97 "	17	79	11	...	07	116
10 "	1	83	41	...	00	734	54 "	9	90	43	...	03	962	98 "	17	97	45	...	07	190
11 "	2	01	75	...	00	807	55 "	10	08	77	...	04	035	99 "	18	15	79	...	07	263
12 "	2	20	10	...	00	880	56 "	10	27	11	...	04	108	100 "	18	34	13	...	07	337
13 "	2	38	44	...	00	954	57 "	10	45	45	...	04	182	101 "	18	52	47	...	07	410
14 "	2	56	78	...	01	027	58 "	10	63	80	...	04	255	102 "	18	70	81	...	07	483
15 "	2	75	12	...	01	100	59 "	10	82	14	...	04	329	103 "	18	89	15	...	07	557
16 "	2	93	46	...	01	174	60 "	11	00	48	...	04	402	104 "	19	07	50	...	07	630
17 "	3	11	80	...	01	247	61 "	11	18	82	...	04	475	105 "	19	25	84	...	07	703
18 "	3	30	14	...	01	321	62 "	11	37	16	...	04	549	106 "	19	44	18	...	07	777
19 "	3	48	48	...	01	394	63 "	11	55	50	...	04	622	107 "	19	62	52	...	07	850
20 "	3	66	83	...	01	467	64 "	11	73	84	...	04	695	108 "	19	80	86	...	07	923
21 "	3	85	17	...	01	541	65 "	11	92	18	...	04	769	109 "	19	99	20	...	07	997
22 "	4	03	51	...	01	614	66 "	12	10	53	...	04	842	110 "	20	17	54	...	08	070
23 "	4	21	85	...	01	687	67 "	12	28	87	...	04	915	111 "	20	35	88	...	08	144
24 "	4	40	19	...	01	761	68 "	12	47	21	...	04	989	112 "	20	54	23	...	08	217
25 "	4	58	53	...	01	834	69 "	12	65	55	...	05	062	113 "	20	72	57	...	08	290
26 "	4	76	87	...	01	907	70 "	12	83	89	...	05	136	114 "	20	90	91	...	08	364
27 "	4	95	22	...	01	981	71 "	13	02	23	...	05	209	115 "	21	09	25	...	08	437
28 "	5	13	56	...	02	054	72 "	13	20	57	...	05	282	116 "	21	27	59	...	08	510
29 "	5	31	90	...	02	128	73 "	13	38	91	...	05	356	117 "	21	45	93	...	08	584
30 "	5	50	24	...	02	201	74 "	13	57	26	...	05	429	118 "	21	64	27	...	08	657
31 "	5	68	58	...	02	274	75 "	13	75	60	...	05	502	119 "	21	82	61	...	08	730
32 "	5	86	92	...	02	348	76 "	13	93	94	...	05	576	10 shills.	22	00	96	...	08	804
33 "	6	05	26	...	02	421	77 "	14	12	28	...	05	649	11 "	24	21	05	...	09	684
34 "	6	23	60	...	02	494	78 "	14	30	62	...	05	722	12 "	26	41	15	...	10	565
35 "	6	41	95	...	02	568	79 "	14	48	96	...	05	796	13 "	28	61	24	...	11	445
36 "	6	60	29	...	02	641	80 "	14	67	30	...	05	869	14 "	30	81	34	...	12	325
37 "	6	78	63	...	02	715	81 "	14	85	65	...	05	943	15 "	33	01	43	...	13	206
38 "	6	96	97	...	02	788	82 "	15	03	99	...	06	016	16 "	35	21	53	...	14	086
39 "	7	15	31	...	02	861	83 "	15	22	33	...	06	089	17 "	37	41	63	...	14	966
40 "	7	33	65	...	02	935	84 "	15	40	67	...	06	163	18 "	39	61	72	...	15	847
41 "	7	51	99	...	03	008	85 "	15	59	01	...	06	236	19 "	41	81	82	...	16	727
42 "	7	70	33	...	03	081	86 "	15	77	35	...	06	309	1 pound	44	01	91	...	17	608

V.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Litre and the Gallon (Exchange, 25 Francs per £).

PRICE PER LITRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER LITRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER LITRE.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	
	Is equal to per Gallon (Exchange 25 Francs per £).	pence. dec.		Is equal to per Gallon (Exchange 25 Francs per £).	pence. dec.		Is equal to per Gallon (Exchange 25 Francs per £).	pence. dec.
At 1 centime	pence. dec.	pence. dec.	At 43 centimes	pence. dec.	pence. dec.	At 85 centimes	pence. dec.	pence. dec.
	0 · 436	0 · 00168		18 · 755	0 · 07214		37 · 074	0 · 14260
2 "	0 · 872	0 · 00336	44 "	19 · 191	0 · 07381	86 "	37 · 511	0 · 14427
3 "	1 · 309	0 · 00503	45 "	19 · 628	0 · 07549	87 "	37 · 947	0 · 14595
4 "	1 · 745	0 · 00671	46 "	20 · 064	0 · 07717	88 "	38 · 383	0 · 14763
5 "	2 · 181	0 · 00839	47 "	20 · 500	0 · 07885	89 "	38 · 819	0 · 14931
6 "	2 · 617	0 · 01007	48 "	20 · 936	0 · 08052	90 "	39 · 255	0 · 15098
7 "	3 · 053	0 · 01174	49 "	21 · 372	0 · 08220	91 "	39 · 691	0 · 15266
8 "	3 · 489	0 · 01342	50 "	21 · 809	0 · 08388	92 "	40 · 128	0 · 15434
9 "	3 · 926	0 · 01510	51 "	22 · 245	0 · 08556	93 "	40 · 564	0 · 15602
10 "	4 · 362	0 · 01678	52 "	22 · 681	0 · 08723	94 "	41 · 000	0 · 15769
11 "	4 · 798	0 · 01845	53 "	23 · 117	0 · 08891	95 "	41 · 436	0 · 15937
12 "	5 · 234	0 · 02013	54 "	23 · 553	0 · 09059	96 "	41 · 872	0 · 16105
13 "	5 · 670	0 · 02181	55 "	23 · 989	0 · 09227	97 "	42 · 308	0 · 16273
14 "	6 · 106	0 · 02349	56 "	24 · 426	0 · 09394	98 "	42 · 745	0 · 16440
15 "	6 · 543	0 · 02516	57 "	24 · 862	0 · 09562	99 "	43 · 181	0 · 16608
16 "	6 · 979	0 · 02684	58 "	25 · 298	0 · 09730	1 franc	43 · 617	0 · 168
17 "	7 · 415	0 · 02852	59 "	25 · 734	0 · 09898	2 "	87 · 235	0 · 336
18 "	7 · 851	0 · 03020	60 "	26 · 170	0 · 10066	3 "	130 · 852	0 · 503
19 "	8 · 287	0 · 03187	61 "	26 · 606	0 · 10233	4 "	174 · 469	0 · 671
20 "	8 · 723	0 · 03355	62 "	27 · 043	0 · 10401	5 "	218 · 086	0 · 839
21 "	9 · 160	0 · 03523	63 "	27 · 479	0 · 10569	6 "	261 · 704	1 · 007
22 "	9 · 596	0 · 03691	64 "	27 · 915	0 · 10737	7 "	305 · 321	1 · 174
23 "	10 · 032	0 · 03858	65 "	28 · 351	0 · 10904	8 "	348 · 938	1 · 342
24 "	10 · 468	0 · 04026	66 "	28 · 787	0 · 11072	9 "	392 · 556	1 · 510
25 "	10 · 904	0 · 04194	67 "	29 · 223	0 · 11240	10 "	436 · 173	1 · 678
26 "	11 · 340	0 · 04362	68 "	29 · 660	0 · 11408	11 "	479 · 790	1 · 845
27 "	11 · 777	0 · 04529	69 "	30 · 096	0 · 11575	12 "	523 · 407	2 · 013
28 "	12 · 213	0 · 04697	70 "	30 · 532	0 · 11743	13 "	567 · 025	2 · 181
29 "	12 · 649	0 · 04865	71 "	30 · 968	0 · 11911	14 "	610 · 642	2 · 349
30 "	13 · 085	0 · 05033	72 "	31 · 404	0 · 12079	15 "	654 · 259	2 · 516
31 "	13 · 521	0 · 05201	73 "	31 · 840	0 · 12246	16 "	697 · 876	2 · 684
32 "	13 · 957	0 · 05368	74 "	32 · 277	0 · 12414	17 "	741 · 494	2 · 852
33 "	14 · 394	0 · 05536	75 "	32 · 713	0 · 12582	18 "	785 · 111	3 · 020
34 "	14 · 830	0 · 05704	76 "	33 · 149	0 · 12750	19 "	828 · 728	3 · 187
35 "	15 · 266	0 · 05872	77 "	33 · 585	0 · 12917	20 "	872 · 346	3 · 355
36 "	15 · 702	0 · 06039	78 "	34 · 021	0 · 13085	21 "	915 · 963	3 · 523
37 "	16 · 138	0 · 06207	79 "	34 · 457	0 · 13253	22 "	959 · 580	3 · 691
38 "	16 · 574	0 · 06375	80 "	34 · 894	0 · 13421	23 "	1003 · 197	3 · 858
39 "	17 · 011	0 · 06543	81 "	35 · 330	0 · 13588	24 "	1046 · 815	4 · 026
40 "	17 · 447	0 · 06710	82 "	35 · 766	0 · 13756	25 "	1090 · 432	4 · 194
41 "	17 · 883	0 · 06878	83 "	36 · 202	0 · 13924	26 "	1134 · 049	4 · 362
42 "	18 · 319	0 · 07046	84 "	36 · 638	0 · 14092	27 "	1177 · 667	4 · 529

VI.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Gallon and the Litre (Exchange, 25 Francs per £).

PRICE PER GALLON.	Is equal to per Litre (Exchange 25 Francs per £).			PRICE PER GALLON.	Is equal to per Litre (Exchange 25 Francs per £).			PRICE PER GALLON.	Is equal to per Litre (Exchange 25 Francs per £).			PRICE PER GALLON.	Is equal to per Litre (Exchange 25 Francs per £).		
	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.		DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.		DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.						
	Francs.	cents.	dec.		Francs.	cents.	dec.		Francs.	cents.	dec.		Francs.	cents.	dec.
1 farthing	...	00	57	43 pence	...	98	59	87 pence	1	99	46	...	00	79	8
2 "	...	01	15	44 "	1	00	88	88 "	2	01	76	...	00	80	7
1 penny	...	02	29	45 "	1	03	17	89 "	2	04	05	...	00	81	6
2 "	...	04	59	46 "	1	05	46	90 "	2	06	34	...	00	82	5
3 "	...	06	88	47 "	1	07	76	91 "	2	08	64	...	00	83	4
4 "	...	09	17	48 "	1	10	05	92 "	2	10	93	...	00	84	3
5 "	...	11	46	49 "	1	12	34	93 "	2	13	22	...	00	85	2
6 "	...	13	76	50 "	1	14	64	94 "	2	15	51	...	00	86	1
7 "	...	16	05	51 "	1	16	93	95 "	2	17	81	...	00	87	0
8 "	...	18	34	52 "	1	19	22	96 "	2	20	10	...	00	88	9
9 "	...	20	63	53 "	1	21	51	97 "	2	22	39	...	00	89	8
10 "	...	22	93	54 "	1	23	81	98 "	2	24	68	...	00	90	7
11 "	...	25	22	55 "	1	26	10	99 "	2	26	98	...	00	91	6
12 "	...	27	51	56 "	1	28	39	100 "	2	29	27	...	00	92	5
13 "	...	29	81	57 "	1	30	68	101 "	2	31	56	...	00	93	4
14 "	...	32	10	58 "	1	32	98	102 "	2	33	86	...	00	94	3
15 "	...	34	39	59 "	1	35	27	103 "	2	36	15	...	00	95	2
16 "	...	36	68	60 "	1	37	56	104 "	2	38	44	...	00	96	1
17 "	...	38	98	61 "	1	39	85	105 "	2	40	73	...	00	97	0
18 "	...	41	27	62 "	1	42	15	106 "	2	43	03	...	00	98	9
19 "	...	43	56	63 "	1	44	44	107 "	2	45	32	...	00	99	8
20 "	...	45	85	64 "	1	46	73	108 "	2	47	61	...	00	00	7
21 "	...	48	15	65 "	1	49	03	109 "	2	49	90	...	01	00	6
22 "	...	50	44	66 "	1	51	32	110 "	2	52	20	...	01	00	5
23 "	...	52	73	67 "	1	53	61	111 "	2	54	49	...	01	01	4
24 "	...	55	02	68 "	1	55	90	112 "	2	56	78	...	01	02	3
25 "	...	57	32	69 "	1	58	20	113 "	2	59	08	...	01	03	2
26 "	...	59	61	70 "	1	60	49	114 "	2	61	37	...	01	04	1
27 "	...	61	90	71 "	1	62	78	115 "	2	63	66	...	01	05	0
28 "	...	64	20	72 "	1	65	07	116 "	2	65	95	...	01	06	9
29 "	...	66	49	73 "	1	67	37	117 "	2	68	25	...	01	07	8
30 "	...	68	78	74 "	1	69	66	118 "	2	70	54	...	01	08	7
31 "	...	71	07	75 "	1	71	95	119 "	2	72	83	...	01	09	6
32 "	...	73	37	76 "	1	74	25	10 shills.	2	75	12	...	01	10	5
33 "	...	75	66	77 "	1	76	54	11 "	3	02	64	...	01	11	4
34 "	...	77	95	78 "	1	78	83	12 "	3	30	15	...	01	12	3
35 "	...	80	24	79 "	1	81	12	13 "	3	57	66	...	01	13	2
36 "	...	82	54	80 "	1	83	42	14 "	3	85	17	...	01	14	1
37 "	...	84	83	81 "	1	85	71	15 "	4	12	69	...	01	15	0
38 "	...	87	12	82 "	1	88	00	16 "	4	40	20	...	01	16	9
39 "	...	89	42	83 "	1	90	29	17 "	4	67	71	...	01	17	8
40 "	...	91	71	84 "	1	92	59	18 "	4	95	22	...	01	18	7
41 "	...	94	00	85 "	1	94	88	19 "	5	22	74	...	02	09	6
42 "	...	96	29	86 "	1	97	17	1 pound	5	50	25	...	02	10	5

VII.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Kilolitre and the Quarter (Exchange, 25 Francs per £).

PRICE PER KILOLITRE.	Is equal to per Quarter (Exchange 25 Francs per £).	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	PRICE PER KILOLITRE.	Is equal to per Quarter (Exchange 25 Francs per £).	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	PRICE PER KILOLITRE.	Is equal to per Quarter (Exchange 25 Francs per £).	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.
At 1 centime	0·028	O·00011	At 43 centimes	1·200	O·00462	At 85 centimes	pence. dec.	pence. dec.
2 "	0·056	O·00021	44 "	1·228	O·00472	86 "	2·373	O·00913
3 "	0·084	O·00032	45 "	1·256	O·00483	87 "	2·401	O·00923
4 "	0·112	O·00043	46 "	1·284	O·00494	88 "	2·429	O·00934
5 "	0·140	O·00054	47 "	1·312	O·00505	89 "	2·457	O·00945
6 "	0·167	O·00064	48 "	1·340	O·00515	90 "	2·484	O·00956
7 "	0·195	O·00075	49 "	1·368	O·00526	91 "	2·512	O·00966
8 "	0·223	O·00086	50 "	1·396	O·00537	92 "	2·540	O·00977
9 "	0·251	O·00097	51 "	1·424	O·00548	93 "	2·568	O·00988
10 "	0·279	O·00107	52 "	1·452	O·00558	94 "	2·596	O·00999
11 "	0·307	O·00118	53 "	1·479	O·00569	95 "	2·624	O·01009
12 "	0·335	O·00129	54 "	1·507	O·00580	96 "	2·652	O·01020
13 "	0·363	O·00140	55 "	1·535	O·00591	97 "	2·680	O·01031
14 "	0·391	O·00150	56 "	1·563	O·00601	98 "	2·708	O·01041
15 "	0·419	O·00161	57 "	1·591	O·00612	99 "	2·736	O·01052
16 "	0·447	O·00172	58 "	1·619	O·00623	1 franc	2·764	O·01063
17 "	0·475	O·00183	59 "	1·647	O·00633	2 "	2·792	O·011
18 "	0·502	O·00193	60 "	1·675	O·00644	3 "	5·583	O·021
19 "	0·530	O·00204	61 "	1·703	O·00655	4 "	8·375	O·032
20 "	0·558	O·00215	62 "	1·731	O·00666	5 "	11·166	O·043
21 "	0·586	O·00225	63 "	1·759	O·00676	6 "	13·958	O·054
22 "	0·614	O·00236	64 "	1·787	O·00687	7 "	16·749	O·064
23 "	0·642	O·00247	65 "	1·814	O·00698	8 "	19·541	O·075
24 "	0·670	O·00258	66 "	1·842	O·00709	9 "	22·332	O·086
25 "	0·698	O·00268	67 "	1·870	O·00719	10 "	25·124	O·097
26 "	0·726	O·00279	68 "	1·898	O·00730	11 "	27·915	O·107
27 "	0·754	O·00290	69 "	1·926	O·00741	12 "	30·707	O·118
28 "	0·782	O·00301	70 "	1·954	O·00752	13 "	33·498	O·129
29 "	0·810	O·00311	71 "	1·982	O·00762	14 "	36·290	O·140
30 "	0·837	O·00322	72 "	2·010	O·00773	15 "	39·081	O·150
31 "	0·865	O·00333	73 "	2·038	O·00784	16 "	41·873	O·161
32 "	0·893	O·00344	74 "	2·066	O·00795	17 "	44·664	O·172
33 "	0·921	O·00354	75 "	2·094	O·00805	18 "	47·456	O·183
34 "	0·949	O·00365	76 "	2·122	O·00816	19 "	50·247	O·193
35 "	0·977	O·00376	77 "	2·149	O·00827	20 "	53·039	O·204
36 "	1·005	O·00387	78 "	2·177	O·00837	21 "	55·830	O·215
37 "	1·033	O·00397	79 "	2·205	O·00848	22 "	58·622	O·225
38 "	1·061	O·00408	80 "	2·233	O·00859	23 "	61·413	O·236
39 "	1·089	O·00419	81 "	2·261	O·00870	24 "	64·205	O·247
40 "	1·117	O·00430	82 "	2·289	O·00880	25 "	66·996	O·258
41 "	1·145	O·00440	83 "	2·317	O·00891	26 "	69·788	O·268
42 "	1·172	O·00451	84 "	2·345	O·00902	27 "	72·579	O·279
							75·371	O·290

VIII.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Quarter and the Kilolitre (Exchange, 25 Francs per £).

PRICE PER QUARTER.	Is equal to per Kilolitre (Exchange 25 Francs per £).			PRICE PER QUARTER.	Is equal to per Kilolitre (Exchange 25 Francs per £).			PRICE PER QUARTER.	Is equal to per Kilolitre (Exchange 25 Francs per £).			PRICE PER QUARTER.	Is equal to per Kilolitre (Exchange 25 Francs per £).					
	Francs.	cents.	dec.		DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	Francs.	cents.		dec.	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	Francs.		cents.	dec.	DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	Francs.	cents.	dec.
1 farthing	...	08	96	...	00	036	43 pence	...	06	162	87 pence	...	31	16	60	...	12	466
2 "	...	17	91	...	00	072	44 "	...	06	305	88 "	...	31	52	42	...	12	610
1 penny	...	35	82	...	00	143	45 "	...	06	448	89 "	...	31	88	24	...	12	753
2 "	...	71	65	...	00	287	46 "	...	06	591	90 "	...	32	24	07	...	12	896
3 "	1	07	47	...	00	430	47 "	...	06	735	91 "	...	32	59	89	...	13	040
4 "	1	43	29	...	00	573	48 "	...	06	878	92 "	...	32	95	71	...	13	183
5 "	1	79	11	...	00	716	49 "	...	07	021	93 "	...	33	31	53	...	13	326
6 "	2	14	94	...	00	860	50 "	...	07	165	94 "	...	33	67	36	...	13	469
7 "	2	50	76	...	01	003	51 "	...	07	308	95 "	...	34	03	18	...	13	613
8 "	2	86	58	...	01	146	52 "	...	07	451	96 "	...	34	39	00	...	13	756
9 "	3	22	41	...	01	290	53 "	...	07	594	97 "	...	34	74	83	...	13	899
10 "	3	58	23	...	01	433	54 "	...	07	738	98 "	...	35	10	65	...	14	043
11 "	3	94	05	...	01	576	55 "	...	07	881	99 "	...	35	46	47	...	14	186
12 "	4	29	88	...	01	720	56 "	...	08	024	100 "	...	35	82	30	...	14	329
13 "	4	65	70	...	01	863	57 "	...	08	168	101 "	...	36	18	12	...	14	472
14 "	5	01	52	...	02	006	58 "	...	08	311	102 "	...	36	53	94	...	14	616
15 "	5	37	34	...	02	149	59 "	...	08	454	103 "	...	36	89	76	...	14	759
16 "	5	73	17	...	02	293	60 "	...	08	598	104 "	...	37	25	59	...	14	902
17 "	6	08	99	...	02	436	61 "	...	08	741	105 "	...	37	61	41	...	15	046
18 "	6	44	81	...	02	579	62 "	...	08	884	106 "	...	37	97	23	...	15	189
19 "	6	80	64	...	02	723	63 "	...	09	027	107 "	...	38	33	06	...	15	332
20 "	7	16	46	...	02	866	64 "	...	09	171	108 "	...	38	68	88	...	15	476
21 "	7	52	28	...	03	009	65 "	...	09	314	109 "	...	39	04	70	...	15	619
22 "	7	88	10	...	03	152	66 "	...	09	457	110 "	...	39	40	52	...	15	762
23 "	8	23	93	...	03	296	67 "	...	09	601	111 "	...	39	76	35	...	15	905
24 "	8	59	75	...	03	439	68 "	...	09	744	112 "	...	40	12	17	...	16	049
25 "	8	95	57	...	03	582	69 "	...	09	887	113 "	...	40	47	99	...	16	192
26 "	9	31	40	...	03	726	70 "	...	10	030	114 "	...	40	83	82	...	16	335
27 "	9	67	22	...	03	869	71 "	...	10	174	115 "	...	41	19	64	...	16	479
28 "	10	03	04	...	04	012	72 "	...	10	317	116 "	...	41	55	46	...	16	622
29 "	10	38	87	...	04	155	73 "	...	10	460	117 "	...	41	91	29	...	16	765
30 "	10	74	69	...	04	299	74 "	...	10	604	118 "	...	42	27	11	...	16	908
31 "	11	10	51	...	04	442	75 "	...	10	747	119 "	...	42	62	93	...	17	052
32 "	11	46	33	...	04	585	76 "	...	10	890	10 shills.	...	42	98	76	...	17	195
33 "	11	82	16	...	04	729	77 "	...	11	033	11 "	...	47	28	63	...	18	338
34 "	12	17	98	...	04	872	78 "	...	11	177	12 "	...	51	58	51	...	20	481
35 "	12	53	80	...	05	015	79 "	...	11	320	13 "	...	55	88	38	...	22	624
36 "	12	89	63	...	05	159	80 "	...	11	463	14 "	...	60	18	26	...	24	767
37 "	13	25	45	...	05	302	81 "	...	11	607	15 "	...	64	48	13	...	25	910
38 "	13	61	27	...	05	445	82 "	...	11	750	16 "	...	68	78	01	...	27	053
39 "	13	97	10	...	05	588	83 "	...	11	893	17 "	...	73	07	88	...	29	196
40 "	14	32	92	...	05	732	84 "	...	12	037	18 "	...	77	37	76	...	30	339
41 "	14	68	74	...	05	875	85 "	...	12	180	19 "	...	81	67	63	...	32	482
42 "	15	04	56	...	06	018	86 "	...	12	323	1 pound	...	85	97	51	...	34	625

IX.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Dekagram and the Ounce Troy (Exchange, 25 Francs per £).

PRICE PER DEKAGRAM.	Is equal to per Ounce Troy (Exchange 25 Francs per £).	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	PRICE PER DEKAGRAM.	Is equal to per Ounce Troy (Exchange 25 Francs per £).	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	PRICE PER DEKAGRAM.	Is equal to per Ounce Troy (Exchange 25 Francs per £).	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.
At 1 centime	0·299	O·00115	At 43 centimes	12·839	O·04938	At 85 centimes	25·380	O·09761
2 "	0·597	O·00230	44 "	13·138	O·05053	86 "	25·679	O·09876
3 "	0·896	O·00345	45 "	13·437	O·05168	87 "	25·977	O·09991
4 "	1·194	O·00459	46 "	13·735	O·05283	88 "	26·276	O·10106
5 "	1·493	O·00574	47 "	14·034	O·05397	89 "	26·575	O·10221
6 "	1·792	O·00689	48 "	14·332	O·05512	90 "	26·873	O·10336
7 "	2·090	O·00804	49 "	14·631	O·05627	91 "	27·172	O·10450
8 "	2·389	O·00919	50 "	14·930	O·05742	92 "	27·470	O·10565
9 "	2·687	O·01034	51 "	15·228	O·05857	93 "	27·769	O·10680
10 "	2·986	O·01148	52 "	15·527	O·05972	94 "	28·067	O·10795
11 "	3·285	O·01263	53 "	15·825	O·06087	95 "	28·366	O·10910
12 "	3·583	O·01378	54 "	16·124	O·06201	96 "	28·665	O·11025
13 "	3·882	O·01493	55 "	16·422	O·06316	97 "	28·963	O·11139
14 "	4·180	O·01608	56 "	16·721	O·06431	98 "	29·262	O·11254
15 "	4·479	O·01723	57 "	17·020	O·06546	99 "	29·560	O·11369
16 "	4·777	O·01837	58 "	17·318	O·06661	1 franc	29·859	O·115
17 "	5·076	O·01952	59 "	17·617	O·06776	2 "	59·719	O·230
18 "	5·375	O·02067	60 "	17·915	O·06890	3 "	89·578	O·345
19 "	5·673	O·02182	61 "	18·214	O·07005	4 "	119·437	O·459
20 "	5·972	O·02297	62 "	18·513	O·07120	5 "	149·297	O·574
21 "	6·270	O·02412	63 "	18·811	O·07235	6 "	179·156	O·689
22 "	6·569	O·02526	64 "	19·110	O·07350	7 "	209·016	O·804
23 "	6·868	O·02641	65 "	19·408	O·07465	8 "	238·875	O·919
24 "	7·166	O·02756	66 "	19·707	O·07579	9 "	268·734	I·034
25 "	7·465	O·02871	67 "	20·006	O·07694	10 "	298·594	I·148
26 "	7·763	O·02986	68 "	20·304	O·07809	11 "	328·453	I·263
27 "	8·062	O·03101	69 "	20·603	O·07924	12 "	358·312	I·378
28 "	8·361	O·03216	70 "	20·901	O·08039	13 "	388·172	I·493
29 "	8·659	O·03330	71 "	21·200	O·08154	14 "	418·031	I·608
30 "	8·958	O·03445	72 "	21·498	O·08268	15 "	447·890	I·723
31 "	9·256	O·03560	73 "	21·797	O·08383	16 "	477·750	I·837
32 "	9·555	O·03675	74 "	22·096	O·08498	17 "	507·609	I·952
33 "	9·853	O·03790	75 "	22·394	O·08613	18 "	537·468	2·067
34 "	10·152	O·03905	76 "	22·693	O·08728	19 "	567·328	2·182
35 "	10·451	O·04019	77 "	22·991	O·08843	20 "	597·187	2·297
36 "	10·749	O·04134	78 "	23·290	O·08958	21 "	627·047	2·412
37 "	11·048	O·04249	79 "	23·589	O·09072	22 "	656·906	2·526
38 "	11·346	O·04364	80 "	23·887	O·09187	23 "	686·765	2·641
39 "	11·645	O·04479	81 "	24·186	O·09302	24 "	716·625	2·756
40 "	11·944	O·04594	82 "	24·484	O·09417	25 "	746·484	2·871
41 "	12·242	O·04708	83 "	24·783	O·09532	26 "	776·343	2·986
42 "	12·541	O·04823	84 "	25·082	O·09647	27 "	806·203	3·101

X.—Equivalent Prices in British and French Currency of Goods Bought or Sold
by the Ounce Troy and the Dekagram (Exchange, 25 Francs per £).

PRICE PER OUNCE TROY.	Is equal to per Dekagram (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER OUNCE TROY.	Is equal to per Dekagram. (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER OUNCE TROY.	Is equal to per Dekagram. (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.					
	Francs.	cents.	dec.			Francs.	cents.	dec.			Francs.	cents.	dec.		Francs.	cents.	dec.		
1 farthing	00	84	...	00	003	43 pence	1	44	01	...	00	576	87 pence	2	91	37	...	01	165
2 "	01	67	...	00	007	44 "	1	47	36	...	00	589	88 "	2	94	71	...	01	179
1 penny	03	35	...	00	013	45 "	1	50	71	...	00	603	89 "	2	98	06	...	01	192
2 "	06	70	...	00	027	46 "	1	54	06	...	00	616	90 "	3	01	41	...	01	206
3 "	10	05	...	00	040	47 "	1	57	40	...	00	630	91 "	3	04	76	...	01	219
4 "	13	40	...	00	054	48 "	1	60	75	...	00	643	92 "	3	08	11	...	01	232
5 "	16	75	...	00	067	49 "	1	64	10	...	00	656	93 "	3	11	46	...	01	246
6 "	20	09	...	00	080	50 "	1	67	45	...	00	670	94 "	3	14	81	...	01	259
7 "	23	44	...	00	094	51 "	1	70	80	...	00	683	95 "	3	18	16	...	01	273
8 "	26	79	...	00	107	52 "	1	74	15	...	00	697	96 "	3	21	51	...	01	286
9 "	30	14	...	00	121	53 "	1	77	50	...	00	710	97 "	3	24	86	...	01	299
10 "	33	49	...	00	134	54 "	1	80	85	...	00	723	98 "	3	28	20	...	01	313
11 "	36	84	...	00	147	55 "	1	84	20	...	00	737	99 "	3	31	55	...	01	326
12 "	40	19	...	00	161	56 "	1	87	55	...	00	750	100 "	3	34	90	...	01	340
13 "	43	54	...	00	174	57 "	1	90	89	...	00	764	101 "	3	38	25	...	01	353
14 "	46	89	...	00	188	58 "	1	94	24	...	00	777	102 "	3	41	60	...	01	366
15 "	50	24	...	00	201	59 "	1	97	59	...	00	790	103 "	3	44	95	...	01	380
16 "	53	58	...	00	214	60 "	2	00	94	...	00	804	104 "	3	48	30	...	01	393
17 "	56	93	...	00	228	61 "	2	04	29	...	00	817	105 "	3	51	65	...	01	407
18 "	60	28	...	00	241	62 "	2	07	64	...	00	831	106 "	3	55	00	...	01	420
19 "	63	63	...	00	255	63 "	2	10	99	...	00	844	107 "	3	58	35	...	01	433
20 "	66	98	...	00	268	64 "	2	14	34	...	00	857	108 "	3	61	70	...	01	447
21 "	70	33	...	00	281	65 "	2	17	69	...	00	871	109 "	3	65	04	...	01	460
22 "	73	68	...	00	295	66 "	2	21	04	...	00	884	110 "	3	68	39	...	01	474
23 "	77	03	...	00	308	67 "	2	24	39	...	00	898	111 "	3	71	74	...	01	487
24 "	80	38	...	00	322	68 "	2	27	73	...	00	911	112 "	3	75	09	...	01	500
25 "	83	73	...	00	335	69 "	2	31	08	...	00	924	113 "	3	78	44	...	01	514
26 "	87	07	...	00	348	70 "	2	34	43	...	00	938	114 "	3	81	79	...	01	527
27 "	90	42	...	00	362	71 "	2	37	78	...	00	951	115 "	3	85	14	...	01	541
28 "	93	77	...	00	375	72 "	2	41	13	...	00	965	116 "	3	88	49	...	01	554
29 "	97	12	...	00	388	73 "	2	44	48	...	00	978	117 "	3	91	84	...	01	567
30 "	1 00	47	...	00	402	74 "	2	47	83	...	00	991	118 "	3	95	19	...	01	581
31 "	1 03	82	...	00	415	75 "	2	51	18	...	01	005	119 "	3	98	53	...	01	594
32 "	1 07	17	...	00	429	76 "	2	54	53	...	01	018	10 shills.	4	01	88	...	01	608
33 "	1 10	52	...	00	442	77 "	2	57	88	...	01	031	11 "	4	42	07	...	01	768
34 "	1 13	87	...	00	455	78 "	2	61	22	...	01	045	12 "	4	82	26	...	01	929
35 "	1 17	22	...	00	469	79 "	2	64	57	...	01	058	13 "	5	22	45	...	02	090
36 "	1 20	57	...	00	482	80 "	2	67	92	...	01	072	14 "	5	62	64	...	02	251
37 "	1 23	91	...	00	496	81 "	2	71	27	...	01	085	15 "	6	02	83	...	02	411
38 "	1 27	26	...	00	509	82 "	2	74	62	...	01	098	16 "	6	43	01	...	02	572
39 "	1 30	61	...	00	522	83 "	2	77	97	...	01	112	17 "	6	83	20	...	02	733
40 "	1 33	96	...	00	536	84 "	2	81	32	...	01	125	18 "	7	23	39	...	02	894
41 "	1 37	31	...	00	549	85 "	2	84	67	...	01	139	19 "	7	63	58	...	03	054
42 "	1 40	66	...	00	563	86 "	2	88	02	...	01	152	1 pound	8	03	77	...	03	215

XL.—Equivalent Prices in British and French Currency of Goods Bought or Sold by
the Kilogram and the Pound Avoirdupois (Exchange, 25 Francs per £).

PRICE PER KILOGRAM.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER KILOGRAM.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.		PRICE PER KILOGRAM.	DIFFERENCE IN EXCHANGE. Subtract for every 10 Cents above 25 Francs per £, or add for every 10 Cents below.	
	Is equal to per Pound Avoir. (Exchange 25 Francs per £).	pence. dec.		pence. dec.	Is equal to per Pound Avoir. (Exchange 25 Francs per £).		pence. dec.	Is equal to per Pound Avoir. (Exchange 25 Francs per £).	pence. dec.
At 1 centime	0 · 044	0 · 0017	At 43 centimes	1 · 872	0 · 00720	At 85 centimes	3 · 701	0 · 01424
2 "	0 · 087	0 · 00033	44 "	1 · 916	0 · 00737	86 "	3 · 745	0 · 01440
3 "	0 · 131	0 · 00050	45 "	1 · 960	0 · 00754	87 "	3 · 788	0 · 01457
4 "	0 · 174	0 · 00067	46 "	2 · 003	0 · 00770	88 "	3 · 832	0 · 01474
5 "	0 · 218	0 · 00084	47 "	2 · 047	0 · 00787	89 "	3 · 876	0 · 01491
6 "	0 · 261	0 · 00100	48 "	2 · 090	0 · 00804	90 "	3 · 919	0 · 01507
7 "	0 · 305	0 · 00117	49 "	2 · 134	0 · 00821	91 "	3 · 963	0 · 01524
8 "	0 · 348	0 · 00134	50 "	2 · 177	0 · 00837	92 "	4 · 006	0 · 01541
9 "	0 · 392	0 · 00151	51 "	2 · 221	0 · 00854	93 "	4 · 050	0 · 01558
10 "	0 · 435	0 · 00167	52 "	2 · 264	0 · 00871	94 "	4 · 093	0 · 01574
11 "	0 · 479	0 · 00184	53 "	2 · 308	0 · 00888	95 "	4 · 137	0 · 01591
12 "	0 · 523	0 · 00201	54 "	2 · 351	0 · 00904	96 "	4 · 180	0 · 01608
13 "	0 · 566	0 · 00218	55 "	2 · 395	0 · 00921	97 "	4 · 224	0 · 01625
14 "	0 · 610	0 · 00234	56 "	2 · 439	0 · 00938	98 "	4 · 267	0 · 01641
15 "	0 · 653	0 · 00251	57 "	2 · 482	0 · 00955	99 "	4 · 311	0 · 01658
16 "	0 · 697	0 · 00268	58 "	2 · 526	0 · 00971	1 franc	4 · 354	0 · 017
17 "	0 · 740	0 · 00285	59 "	2 · 569	0 · 00988	2 "	8 · 709	0 · 033
18 "	0 · 784	0 · 00301	60 "	2 · 613	0 · 01005	3 "	13 · 063	0 · 050
19 "	0 · 827	0 · 00318	61 "	2 · 656	0 · 01022	4 "	17 · 418	0 · 067
20 "	0 · 871	0 · 00335	62 "	2 · 700	0 · 01038	5 "	21 · 772	0 · 084
21 "	0 · 914	0 · 00352	63 "	2 · 743	0 · 01055	6 "	26 · 127	0 · 100
22 "	0 · 958	0 · 00368	64 "	2 · 787	0 · 01072	7 "	30 · 481	0 · 117
23 "	1 · 002	0 · 00385	65 "	2 · 830	0 · 01089	8 "	34 · 836	0 · 134
24 "	1 · 045	0 · 00402	66 "	2 · 874	0 · 01105	9 "	39 · 190	0 · 151
25 "	1 · 089	0 · 00419	67 "	2 · 918	0 · 01122	10 "	43 · 545	0 · 167
26 "	1 · 132	0 · 00435	68 "	2 · 961	0 · 01139	11 "	47 · 899	0 · 184
27 "	1 · 176	0 · 00452	69 "	3 · 005	0 · 01156	12 "	52 · 254	0 · 201
28 "	1 · 219	0 · 00469	70 "	3 · 048	0 · 01172	13 "	56 · 608	0 · 218
29 "	1 · 263	0 · 00486	71 "	3 · 092	0 · 01189	14 "	60 · 963	0 · 234
30 "	1 · 306	0 · 00502	72 "	3 · 135	0 · 01206	15 "	65 · 317	0 · 251
31 "	1 · 350	0 · 00519	73 "	3 · 179	0 · 01223	16 "	69 · 672	0 · 268
32 "	1 · 393	0 · 00536	74 "	3 · 222	0 · 01239	17 "	74 · 026	0 · 285
33 "	1 · 437	0 · 00553	75 "	3 · 266	0 · 01256	18 "	78 · 381	0 · 301
34 "	1 · 481	0 · 00569	76 "	3 · 309	0 · 01273	19 "	82 · 735	0 · 318
35 "	1 · 524	0 · 00586	77 "	3 · 353	0 · 01290	20 "	87 · 090	0 · 335
36 "	1 · 568	0 · 00603	78 "	3 · 397	0 · 01306	21 "	91 · 444	0 · 352
37 "	1 · 611	0 · 00620	79 "	3 · 440	0 · 01323	22 "	95 · 799	0 · 368
38 "	1 · 655	0 · 00636	80 "	3 · 484	0 · 01340	23 "	100 · 153	0 · 385
39 "	1 · 698	0 · 00653	81 "	3 · 527	0 · 01357	24 "	104 · 508	0 · 402
40 "	1 · 742	0 · 00670	82 "	3 · 571	0 · 01373	25 "	108 · 862	0 · 419
41 "	1 · 785	0 · 00687	83 "	3 · 614	0 · 01390	26 "	113 · 217	0 · 435
42 "	1 · 829	0 · 00703	84 "	3 · 658	0 · 01407	27 "	117 · 571	0 · 452

XII.—Equivalent Prices in British and French Currency of Goods Bought or Sold by the Pound Avoirdupois and the Kilogram (Exchange, 25 Francs per £).

PRICE PER POUND (AVOIR.)	Is equal to per Kilogram (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER POUND (AVOIR.)	Is equal to per Kilogram (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.	PRICE PER POUND (AVOIR.)	Is equal to per Kilogram (Exchange 25 Francs per £).			DIFFERENCE IN EXCHANGE. Add for every 10 Cents above 25 Francs per £, or subtract for every 10 Cents below.
	Francs.	cents.	dec.			Francs.	cents.	dec.			Francs.	cents.	dec.	
1 farthing	...	05·74	...	00·023	43 pence	9	87·49	...	03·950	87 pence	19	97·94	...	07·992
2 "	...	11·48	...	00·046	44 "	10	10·45	...	04·042	88 "	20	20·90	...	08·084
1 penny	...	22·96	...	00·092	45 "	10	33·42	...	04·134	89 "	20	43·87	...	08·176
2 "	...	45·93	...	00·184	46 "	10	56·38	...	04·226	90 "	20	66·83	...	08·267
3 "	...	68·89	...	00·276	47 "	10	79·35	...	04·317	91 "	20	89·80	...	08·359
4 "	...	91·86	...	00·367	48 "	11	02·31	...	04·409	92 "	21	12·76	...	08·451
5 "	1	14·82	...	00·459	49 "	11	25·28	...	04·501	93 "	21	35·73	...	08·543
6 "	1	37·79	...	00·551	50 "	11	48·24	...	04·593	94 "	21	58·69	...	08·635
7 "	1	60·75	...	00·643	51 "	11	71·20	...	04·685	95 "	21	81·66	...	08·727
8 "	1	83·72	...	00·735	52 "	11	94·17	...	04·777	96 "	22	04·62	...	08·819
9 "	2	06·68	...	00·827	53 "	12	17·13	...	04·869	97 "	22	27·59	...	08·910
10 "	2	29·65	...	00·919	54 "	12	40·10	...	04·960	98 "	22	50·55	...	09·002
11 "	2	52·61	...	01·010	55 "	12	63·06	...	05·052	99 "	22	73·52	...	09·094
12 "	2	75·58	...	01·102	56 "	12	86·03	...	05·144	100 "	22	96·48	...	09·186
13 "	2	98·54	...	01·194	57 "	13	08·99	...	05·236	101 "	23	19·44	...	09·278
14 "	3	21·51	...	01·286	58 "	13	31·96	...	05·328	102 "	23	42·41	...	09·370
15 "	3	44·47	...	01·378	59 "	13	54·92	...	05·420	103 "	23	65·37	...	09·462
16 "	3	67·44	...	01·470	60 "	13	77·89	...	05·512	104 "	23	88·34	...	09·553
17 "	3	90·40	...	01·562	61 "	14	00·85	...	05·603	105 "	24	11·30	...	09·645
18 "	4	13·37	...	01·653	62 "	14	23·82	...	05·695	106 "	24	34·27	...	09·737
19 "	4	36·33	...	01·745	63 "	14	46·78	...	05·787	107 "	24	57·23	...	09·829
20 "	4	59·30	...	01·837	64 "	14	69·75	...	05·879	108 "	24	80·20	...	09·921
21 "	4	82·26	...	01·929	65 "	14	92·71	...	05·971	109 "	25	03·16	...	10·013
22 "	5	05·23	...	02·021	66 "	15	15·68	...	06·063	110 "	25	26·13	...	10·105
23 "	5	28·19	...	02·113	67 "	15	38·64	...	06·155	111 "	25	49·09	...	10·196
24 "	5	51·16	...	02·205	68 "	15	61·61	...	06·246	112 "	25	72·06	...	10·288
25 "	5	74·12	...	02·296	69 "	15	84·57	...	06·338	113 "	25	95·02	...	10·380
26 "	5	97·08	...	02·383	70 "	16	07·54	...	06·430	114 "	26	17·99	...	10·472
27 "	6	20·05	...	02·480	71 "	16	30·50	...	06·522	115 "	26	40·95	...	10·564
28 "	6	43·01	...	02·572	72 "	16	53·47	...	06·614	116 "	26	63·92	...	10·656
29 "	6	65·98	...	02·664	73 "	16	76·43	...	06·706	117 "	26	86·88	...	10·748
30 "	6	88·94	...	02·756	74 "	16	99·40	...	06·798	118 "	27	09·85	...	10·839
31 "	7	11·91	...	02·848	75 "	17	22·36	...	06·889	119 "	27	32·81	...	10·931
32 "	7	34·87	...	02·940	76 "	17	45·32	...	06·981	10 shills.	27	55·78	...	11·023
33 "	7	57·84	...	03·031	77 "	17	68·29	...	07·073	11 "	30	31·35	...	12·126
34 "	7	80·80	...	03·123	78 "	17	91·25	...	07·165	12 "	33	06·93	...	13·228
35 "	8	03·77	...	03·215	79 "	18	14·22	...	07·257	13 "	35	82·51	...	14·330
36 "	8	26·73	...	03·307	80 "	18	37·18	...	07·349	14 "	38	58·09	...	15·432
37 "	8	49·70	...	03·399	81 "	18	60·15	...	07·441	15 "	41	33·66	...	16·535
38 "	8	72·66	...	03·491	82 "	18	83·11	...	07·533	16 "	44	09·24	...	17·637
39 "	8	95·63	...	03·583	83 "	19	06·08	...	07·624	17 "	46	84·82	...	18·739
40 "	9	18·59	...	03·674	84 "	19	29·04	...	07·716	18 "	49	60·40	...	19·842
41 "	9	41·56	...	03·766	85 "	19	52·01	...	07·808	19 "	52	35·97	...	20·944
42 "	9	64·52	...	03·858	86 "	19	74·97	...	07·900	1 pound	55	11·55	...	22·046

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MISCELLANEOUS TABLES.

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I.—Chinese Weights converted into Metric Weights.

16 taels=1 catty; 100 catties=1 pecul.—DATA, 1½ lb. avoirdupois=1 catty.

	Kilograms.	Hectograms.	Dekagrams.	Grams.	decimals.		Kilograms.	Hectograms.	Dekagrams.	Grams.	decimals.		Kilograms.	Hectograms.	Dekagrams.	Grams.	decimals.
1 tael,	...	...	3	7	. 799	34 catties,	2	5	6	2	. 867	82 catties.	49	5	9	2	. 797
2 "	...	...	7	5	. 599	35 "	21	1	6	7	. 657	83 "	50	1	9	7	. 587
3 "	...	...	1	3	. 398	36 "	21	7	7	2	. 447	84 "	50	8	0	2	. 377
4 "	...	...	1	5	. 198	37 "	22	3	7	7	. 238	85 "	51	4	0	7	. 167
5 "	...	...	1	8	. 997	38 "	22	9	8	2	. 028	86 "	52	0	1	1	. 957
6 "	...	...	2	2	. 796	39 "	23	5	8	6	. 818	87 "	52	6	1	6	. 748
7 "	...	...	2	6	. 496	40 "	24	1	9	1	. 608	88 "	53	2	2	1	. 538
8 "	...	...	3	0	. 395	41 "	24	7	9	6	. 398	89 "	53	8	2	6	. 328
9 "	...	...	3	4	. 195	42 "	25	4	0	1	. 189	90 "	54	4	3	1	. 118
10 "	...	...	3	7	. 994	43 "	26	0	0	5	. 979	91 "	55	0	3	5	. 908
11 "	...	...	4	1	. 793	44 "	26	6	1	0	. 769	92 "	55	6	4	0	. 699
12 "	...	...	4	5	. 593	45 "	27	2	1	5	. 559	93 "	56	2	4	5	. 489
13 "	...	...	4	9	. 392	46 "	27	8	2	0	. 349	94 "	56	8	5	0	. 279
14 "	...	...	5	2	. 191	47 "	28	4	2	5	. 140	95 "	57	4	5	5	. 069
15 "	...	...	5	6	. 991	48 "	29	0	2	9	. 930	96 "	58	0	5	9	. 859
1 catty,	...	...	6	0	. 790	49 "	29	6	3	4	. 720	97 "	58	6	6	4	. 650
2 "	1	2	0	9	. 580	50 "	30	2	3	9	. 510	98 "	59	2	6	9	. 440
3 "	1	8	1	4	. 371	51 "	30	8	4	4	. 300	99 "	59	8	7	4	. 230
4 "	2	4	1	9	. 161	52 "	31	4	4	9	. 091	1 pecul,	60	4	7	9	. 020
5 "	3	0	2	3	. 951	53 "	32	0	5	3	. 881	2 "	120	9	5	8	. 041
6 "	3	6	2	8	. 741	54 "	32	6	5	8	. 671	3 "	181	4	3	7	. 061
7 "	4	2	3	3	. 531	55 "	33	2	6	3	. 461	4 "	241	9	1	6	. 081
8 "	4	8	3	8	. 322	56 "	33	8	6	8	. 251	5 "	302	3	9	5	. 102
9 "	5	4	4	3	. 112	57 "	34	4	7	3	. 042	6 "	362	8	7	4	. 122
10 "	6	0	4	7	. 902	58 "	35	0	7	7	. 832	7 "	423	3	5	3	. 142
11 "	6	6	5	2	. 692	59 "	35	6	8	2	. 622	8 "	483	8	3	2	. 162
12 "	7	2	5	7	. 482	60 "	36	2	8	7	. 412	9 "	544	3	1	1	. 183
13 "	7	8	6	2	. 273	61 "	36	8	9	2	. 202	10 "	604	7	9	0	. 203
14 "	8	4	6	7	. 063	62 "	37	4	9	6	. 993	20 "	1,209	5	8	0	. 406
15 "	9	0	7	1	. 853	63 "	38	1	0	1	. 783	30 "	1,814	3	7	0	. 609
16 "	9	6	7	6	. 643	64 "	38	7	0	6	. 573	40 "	2,419	1	6	0	. 812
17 "	10	2	8	1	. 433	65 "	39	3	1	1	. 363	50 "	3,023	9	5	1	. 015
18 "	10	8	8	6	. 224	66 "	39	9	1	6	. 153	60 "	3,628	7	4	1	. 218
19 "	11	4	9	1	. 014	67 "	40	5	2	0	. 944	70 "	4,233	5	3	1	. 421
20 "	12	0	9	5	. 804	68 "	41	1	2	5	. 734	80 "	4,838	3	2	1	. 624
21 "	12	7	0	0	. 594	69 "	41	7	3	0	. 524	90 "	5,443	1	1	1	. 827
22 "	13	3	0	5	. 384	70 "	42	3	3	5	. 314	100 "	6,047	9	0	2	. 030
23 "	13	9	1	0	. 175	71 "	42	9	4	0	. 104	200 "	12,095	8	0	4	. 06
24 "	14	5	1	4	. 965	72 "	43	5	4	4	. 895	300 "	18,143	7	0	6	. 09
25 "	15	1	1	9	. 755	73 "	44	1	4	9	. 685	400 "	24,191	6	0	8	. 12
26 "	15	7	2	4	. 545	74 "	44	7	5	4	. 475	500 "	30,239	5	1	0	. 15
27 "	16	3	2	9	. 335	75 "	45	3	5	9	. 265	600 "	36,287	4	1	2	. 18
28 "	16	9	3	4	. 126	76 "	45	9	6	4	. 055	700 "	42,335	3	1	4	. 21
29 "	17	5	3	8	. 916	77 "	46	5	6	8	. 846	800 "	48,383	2	1	6	. 24
30 "	18	1	4	3	. 706	78 "	47	1	7	3	. 636	900 "	54,431	1	1	8	. 27
31 "	18	7	4	8	. 496	79 "	47	7	7	8	. 426	1000 "	60,479	0	2	0	. 30
32 "	19	3	5	3	. 286	80 "	48	3	8	3	. 216	2000 "	120,958	0	4	0	. 6
33 "	19	9	5	8	. 077	81 "	48	9	8	8	. 006	3000 "	181,437	0	6	0	. 9

II.—Metric Weights converted into Chinese Weights.

16 taels=1 catty; 100 catties=1 pecul.—DATA, 1½ lb. avoirdupois=1 catty.

	Peculs.	Catties.	Taels.	decimals.		Peculs.	Catties.	Taels.	decimals.		Peculs.	Catties.	Taels.	decimals.
1 gram,	0 . 026		24 kilograms,	...	39	10 . 931		74 kilograms,	1	22	5 . 704	
2 "	0 . 053		25 "	...	41	5 . 386		75 "	1	24	0 . 199	
3 "	0 . 079		26 "	...	42	15 . 842		76 "	1	25	10 . 615	
4 "	0 . 106		27 "	...	44	10 . 297		77 "	1	27	5 . 070	
5 "	0 . 132		28 "	...	46	4 . 753		78 "	1	28	15 . 525	
6 "	0 . 159		29 "	...	47	15 . 208		79 "	1	30	9 . 981	
7 "	0 . 185		30 "	...	49	9 . 664		80 "	1	32	4 . 436	
8 "	0 . 212		31 "	...	51	4 . 119		81 "	1	33	14 . 892	
9 "	0 . 238		32 "	...	52	14 . 575		82 "	1	35	9 . 347	
1 dekagram,	0 . 265		33 "	...	54	9 . 030		83 "	1	37	3 . 803	
2 "	0 . 529		34 "	...	56	3 . 485		84 "	1	38	14 . 258	
3 "	0 . 794		35 "	...	57	13 . 941		85 "	1	40	8 . 714	
4 "	1 . 058		36 "	...	59	8 . 396		86 "	1	42	3 . 169	
5 "	1 . 323		37 "	...	61	2 . 852		87 "	1	43	13 . 624	
6 "	1 . 587		38 "	...	62	13 . 307		88 "	1	45	8 . 080	
7 "	1 . 852		39 "	...	64	7 . 763		89 "	1	47	2 . 535	
8 "	2 . 116		40 "	...	66	2 . 218		90 "	1	48	12 . 991	
9 "	2 . 381		41 "	...	67	12 . 674		91 "	1	50	7 . 446	
1 hectogram,	2 . 646		42 "	...	69	7 . 129		92 "	1	52	1 . 902	
2 "	5 . 291		43 "	...	71	1 . 585		93 "	1	53	12 . 357	
3 "	7 . 937		44 "	...	72	12 . 040		94 "	1	55	6 . 813	
4 "	10 . 582		45 "	...	74	6 . 495		95 "	1	57	1 . 268	
5 "	13 . 228		46 "	...	76	0 . 951		96 "	1	58	11 . 724	
6 "	15 . 873		47 "	...	77	11 . 406		97 "	1	60	6 . 179	
7 "	...	1	2 . 519		48 "	...	79	5 . 862		98 "	1	62	0 . 634	
8 "	...	1	5 . 164		49 "	...	81	0 . 317		99 "	1	63	11 . 090	
9 "	...	1	7 . 810		50 "	...	82	10 . 773		1 quintal,	1	65	5 . 545	
1 kilogram,	...	1	10 . 455		51 "	...	84	5 . 228		2 "	3	30	11 . 091	
2 "	...	3	4 . 911		52 "	...	85	15 . 684		3 "	4	96	0 . 636	
3 "	...	4	15 . 366		53 "	...	87	10 . 139		4 "	6	61	6 . 182	
4 "	...	6	9 . 822		54 "	...	89	4 . 595		5 "	8	26	11 . 727	
5 "	...	8	4 . 277		55 "	...	90	15 . 050		6 "	9	92	1 . 273	
6 "	...	9	14 . 733		56 "	...	92	9 . 505		7 "	11	57	6 . 818	
7 "	...	11	9 . 188		57 "	...	94	3 . 961		8 "	13	22	12 . 364	
8 "	...	13	3 . 644		58 "	...	95	14 . 416		9 "	14	88	1 . 909	
9 "	...	14	14 . 099		59 "	...	97	8 . 872		1 millier,	16	53	7 . 454	
10 "	...	16	8 . 555		60 "	...	99	3 . 327		2 "	33	06	14 . 91	
11 "	...	18	3 . 010		61 "	1	00	13 . 783		3 "	49	60	6 . 36	
12 "	...	19	13 . 465		62 "	1	2	8 . 238		4 "	66	13	13 . 82	
13 "	...	21	7 . 921		63 "	1	4	2 . 694		5 "	82	67	5 . 27	
14 "	...	23	2 . 376		64 "	1	5	13 . 149		6 "	99	20	12 . 73	
15 "	...	24	12 . 832		65 "	1	7	7 . 605		7 "	115	74	4 . 18	
16 "	...	26	7 . 287		66 "	1	9	2 . 060		8 "	132	27	11 . 64	
17 "	...	28	1 . 743		67 "	1	10	12 . 515		9 "	148	81	3 . 09	
18 "	...	29	12 . 198		68 "	1	12	6 . 971		10 "	165	34	10 . 54	
19 "	...	31	6 . 654		69 "	1	14	1 . 426		20 "	330	69	5 . 1	
20 "	...	33	1 . 109		70 "	1	15	11 . 882		30 "	496	03	15 . 6	
21 "	...	34	11 . 565		71 "	1	17	6 . 337		40 "	661	38	10 . 2	
22 "	...	36	6 . 020		72 "	1	19	0 . 793		50 "	826	73	4 . 7	
23 "	...	38	0 . 475		73 "	1	20	11 . 248		100 "	1,653	46	9 . 4	

III.—Chinese (Monetary) Weights converted into Metric Weights.

DATA—579.84 grains Troy=1 tael (monetary).

	Grams.	Decigrams.	Centigrams.	Milligrams.	decimals.		Grams.	Decigrams.	Centigrams.	Milligrams.	decimals.		Grams.	Decigrams.	Centigrams.	Milligrams.	decimals.		
1 cash,	3	7	.6	22 taels,	826	6	0	6	.5	70 taels,	2,630	1	1	1	.6		
2 "	7	5	.1	23 "	864	1	7	9	.5	71 "	2,667	6	8	4	.7		
3 "	1	2	.7	24 "	901	7	5	2	.6	72 "	2,705	2	5	7	.7		
4 "	1	5	0	.3	25 "	939	3	2	5	.6	73 "	2,742	8	3	0	.7	
5 "	1	8	7	.9	26 "	976	8	9	8	.6	74 "	2,780	4	0	3	.7	
6 "	2	2	5	.4	27 "	1,014	4	7	1	.6	75 "	2,817	9	7	6	.8	
7 "	2	6	3	.0	28 "	1,052	0	4	4	.7	76 "	2,855	5	4	9	.8	
8 "	3	0	0	.6	29 "	1,089	6	1	7	.7	77 "	2,893	1	2	2	.8	
9 "	3	3	8	.2	30 "	1,127	1	9	0	.7	78 "	2,930	6	9	5	.8	
1 candereen,	3	7	5	.7	31 "	1,164	7	6	3	.7	79 "	2,968	2	6	8	.9	
2 "	7	5	1	.5	32 "	1,202	3	3	6	.8	80 "	3,005	8	4	1	.9	
3 "	1	1	2	.2	33 "	1,239	9	0	9	.8	81 "	3,043	4	1	4	.9	
4 "	1	5	0	.9	34 "	1,277	4	8	2	.8	82 "	3,080	9	8	8	.9	
5 "	1	8	7	.7	35 "	1,315	0	5	5	.8	83 "	3,118	5	6	1	.0	
6 "	2	2	5	.4	36 "	1,352	6	2	8	.8	84 "	3,156	1	3	4	.0	
7 "	2	6	3	0	.1	37 "	1,390	2	0	1	.9	85 "	3,193	7	0	7	.0
8 "	3	0	0	5	.8	38 "	1,427	7	7	4	.9	86 "	3,231	2	8	0	.0
9 "	3	3	8	1	.6	39 "	1,465	3	4	7	.9	87 "	3,268	8	5	3	.0
1 mace,	3	7	5	7	.3	40 "	1,502	9	2	1	.9	88 "	3,306	4	2	6	.1
2 "	7	5	1	4	.6	41 "	1,540	4	9	4	.0	89 "	3,343	9	9	9	.1
3 "	11	2	7	1	.9	42 "	1,578	0	6	7	.0	90 "	3,381	5	7	2	.1
4 "	15	0	2	9	.2	43 "	1,615	6	4	0	.0	91 "	3,419	1	4	5	.1
5 "	18	7	8	6	.5	44 "	1,653	2	1	3	.0	92 "	3,456	7	1	8	.2
6 "	22	5	4	3	.8	45 "	1,690	7	8	6	.1	93 "	3,494	2	9	1	.2
7 "	26	3	0	1	.1	46 "	1,728	3	5	9	.1	94 "	3,531	8	6	4	.2
8 "	30	0	5	8	.4	47 "	1,765	9	3	2	.1	95 "	3,569	4	3	7	.2
9 "	33	8	1	5	.7	48 "	1,803	5	0	5	.1	96 "	3,607	0	1	0	.3
1 tael,	37	5	7	3	.0	49 "	1,841	0	7	8	.2	97 "	3,644	5	8	3	.3
2 "	75	1	4	6	.0	50 "	1,878	6	5	1	.2	98 "	3,682	1	5	6	.3
3 "	112	7	1	9	.1	51 "	1,916	2	2	4	.2	99 "	3,719	7	2	9	.3
4 "	150	2	9	2	.1	52 "	1,953	7	9	7	.2	100 "	3,757	3	0	2	.3
5 "	187	8	6	5	.1	53 "	1,991	3	7	0	.2	200 "	7,514	6	0	4	.7
6 "	225	4	3	8	.1	54 "	2,028	9	4	3	.3	300 "	11,271	9	0	7	.0
7 "	263	0	1	1	.2	55 "	2,066	5	1	6	.3	400 "	15,029	2	0	9	.4
8 "	300	5	8	4	.2	56 "	2,104	0	8	9	.3	500 "	18,786	5	1	1	.7
9 "	338	1	5	7	.2	57 "	2,141	6	6	2	.3	600 "	22,543	8	1	4	.1
10 "	375	7	3	0	.2	58 "	2,179	2	3	5	.4	700 "	26,301	1	1	6	.4
11 "	413	3	0	3	.3	59 "	2,216	8	0	8	.4	800 "	30,058	4	1	8	.8
12 "	450	8	7	6	.3	60 "	2,254	3	8	1	.4	900 "	33,815	7	2	1	.1
13 "	488	4	4	9	.3	61 "	2,291	9	5	4	.4	1000 "	37,573	0	2	3	.5
14 "	526	0	2	2	.3	62 "	2,329	5	2	7	.5	2000 "	75,146	0	4	7	.0
15 "	563	5	9	5	.4	63 "	2,367	1	0	0	.5	3000 "	112,719	0	7	0	.4
16 "	601	1	6	8	.4	64 "	2,404	6	7	3	.5	4000 "	150,292	0	9	3	.9
17 "	638	7	4	1	.4	65 "	2,442	2	4	6	.5	5000 "	187,865	1	1	7	.4
18 "	676	3	1	4	.4	66 "	2,479	8	1	9	.6	6000 "	225,438	1	4	0	.9
19 "	713	8	8	7	.4	67 "	2,517	3	9	2	.6	7000 "	263,011	1	6	4	.3
20 "	751	4	6	0	.5	68 "	2,554	9	6	5	.6	8000 "	300,584	1	8	7	.8
21 "	789	0	3	3	.5	69 "	2,592	5	3	8	.6	9000 "	338,157	2	1	1	.3

IV.—Metric Weights converted into Chinese (Monetary) Weights.

10 cash=1 candareen; 10 candareens=1mace; 10 mace=1 tael.—DATA, 579.84 grains troy=1 tael (monetary).

	Tael.	Mace.	Candareens.	Cash.	decimals.		Tael.	Mace.	Candareens.	Cash.	decimals.		Tael.	Mace.	Candareens.	Cash.	decimals.
1 milligram,	0 . 027	24 grams,	...	6	3	8 . 756	74 grams,	1	9	6	9 . 498			
2 "	0 . 053	25 "	...	6	6	5 . 371	75 "	1	9	9	6 . 113			
3 "	0 . 080	26 "	...	6	9	1 . 986	76 "	2	0	2	2 . 728			
4 "	0 . 106	27 "	...	7	1	8 . 601	77 "	2	0	4	9 . 342			
5 "	0 . 133	28 "	...	7	4	5 . 216	78 "	2	0	7	5 . 958			
6 "	0 . 160	29 "	...	7	7	1 . 830	79 "	2	1	0	2 . 572			
7 "	0 . 186	30 "	...	7	9	8 . 445	80 "	2	1	2	9 . 187			
8 "	0 . 213	31 "	...	8	2	5 . 060	81 "	2	1	5	5 . 802			
9 "	0 . 240	32 "	...	8	5	1 . 675	82 "	2	1	8	2 . 417			
1 centigram,	0 . 266	33 "	...	8	7	8 . 290	83 "	2	2	0	9 . 032			
2 "	0 . 532	34 "	...	9	0	4 . 905	84 "	2	2	3	5 . 647			
3 "	0 . 798	35 "	...	9	3	1 . 519	85 "	2	2	6	2 . 261			
4 "	1 . 065	36 "	...	9	5	8 . 134	86 "	2	2	8	8 . 876			
5 "	1 . 331	37 "	...	9	8	4 . 749	87 "	2	3	1	5 . 491			
6 "	1 . 597	38 "	...	1	0	1 . 364	88 "	2	3	4	2 . 106			
7 "	1 . 863	39 "	...	1	0	3 . 979	89 "	2	3	6	8 . 721			
8 "	2 . 129	40 "	...	1	0	6 . 594	90 "	2	3	9	5 . 336			
9 "	2 . 395	41 "	...	1	0	9 . 208	91 "	2	4	2	1 . 950			
1 decigram,	2 . 661	42 "	...	1	1	1 . 7 . 823	92 "	2	4	4	8 . 565			
2 "	5 . 323	43 "	...	1	1	4 . 438	93 "	2	4	7	5 . 180			
3 "	7 . 984	44 "	...	1	1	7 . 053	94 "	2	5	0	1 . 795			
4 "	10 . 646	45 "	...	1	1	9 . 668	95 "	2	5	2	8 . 410			
5 "	13 . 307	46 "	...	1	2	2 . 283	96 "	2	5	5	5 . 025			
6 "	15 . 969	47 "	...	1	2	5 . 897	97 "	2	5	8	1 . 639			
7 "	18 . 630	48 "	...	1	2	7 . 512	98 "	2	6	0	8 . 254			
8 "	21 . 292	49 "	...	1	3	0 . 127	99 "	2	6	3	4 . 869			
9 "	23 . 953	50 "	...	1	3	3 . 742	100 "	2	6	6	1 . 484			
1 gram,	26 . 615	51 "	...	1	3	5 . 357	200 "	5	3	2	2 . 968			
2 "	53 . 230	52 "	...	1	3	8 . 972	300 "	7	9	8	4 . 452			
3 "	79 . 845	53 "	...	1	4	1 . 587	400 "	10	6	4	5 . 936			
4 "	106 . 459	54 "	...	1	4	3 . 201	500 "	13	3	0	7 . 420			
5 "	133 . 074	55 "	...	1	4	6 . 816	600 "	15	9	6	8 . 904			
6 "	159 . 689	56 "	...	1	4	9 . 431	700 "	18	6	3	0 . 388			
7 "	186 . 304	57 "	...	1	5	1 . 046	800 "	21	2	9	1 . 872			
8 "	212 . 919	58 "	...	1	5	4 . 661	900 "	23	9	5	3 . 356			
9 "	239 . 534	59 "	...	1	5	7 . 276	1,000 "	26	6	1	4 . 84			
10 "	266 . 148	60 "	...	1	5	9 . 890	2,000 "	53	2	2	9 . 68			
11 "	292 . 763	61 "	...	1	6	2 . 505	3,000 "	79	8	4	4 . 52			
12 "	319 . 378	62 "	...	1	6	5 . 120	4,000 "	106	4	5	9 . 36			
13 "	345 . 993	63 "	...	1	6	7 . 735	5,000 "	133	0	7	4 . 20			
14 "	372 . 608	64 "	...	1	7	0 . 350	6,000 "	159	6	8	9 . 04			
15 "	399 . 223	65 "	...	1	7	2 . 965	7,000 "	186	3	0	3 . 88			
16 "	425 . 837	66 "	...	1	7	5 . 579	8,000 "	212	9	1	8 . 72			
17 "	452 . 452	67 "	...	1	7	8 . 194	9,000 "	239	5	3	3 . 56			
18 "	478 . 067	68 "	...	1	8	0 . 809	10,000 "	266	1	4	8 . 4			
19 "	504 . 682	69 "	...	1	8	3 . 424	20,000 "	532	2	9	6 . 8			
20 "	531 . 297	70 "	...	1	8	6 . 039	30,000 "	798	4	4	5 . 2			
21 "	557 . 912	71 "	...	1	8	8 . 654	40,000 "	1,064	5	9	3 . 6			
22 "	584 . 526	72 "	...	1	9	1 . 268	50,000 "	1,330	7	4	2 .			
23 "	611 . 141	73 "	...	1	9	4 . 883	100,000 "	2,661	4	8	4			

V.—British-Indian Weights converted in Metric Weights.

4 dhans = 1 ruttee ; 8 rutties = 1 masha ; 12 mashas = 1 tola ; 5 tolas = 1 chitak ; 16 chitaks = 1 seer ;
40 seers = 1 mun, or British maund.—DATA, 1 tola = 180 grains Troy.

	Kilograms.	Hectograms.	Decagrams.	Grams.	decimals.		Kilograms.	Hectograms.	Decagrams.	Grams.	decimals.		Kilograms.	Hectograms.	Decagrams.	Grams.	decimals.
1 Dhan,				0	. 030375	4 Seers,	3	7	3	2	. 41954	15 Maunds.	559	8	6	2	. 9308
2 "				0	. 060749	5 "	4	6	6	5	. 52442	16 "	597	1	8	7	. 1262
3 "				0	. 091124	6 "	5	5	9	8	. 62931	17 "	634	5	1	1	. 3216
1 Ruttee,				0	. 121498	7 "	6	5	3	1	. 73419	18 "	671	8	3	5	. 5169
2 "				0	. 242996	8 "	7	4	6	4	. 83908	19 "	709	1	5	9	. 7123
3 "				0	. 364494	9 "	8	3	9	7	. 94396	20 "	746	4	8	3	. 9977
4 "				0	. 485992	10 "	9	3	3	1	. 04885	21 "	783	8	0	8	. 1031
5 "				0	. 607490	11 "	10	2	6	4	. 15373	22 "	821	1	3	2	. 2985
6 "				0	. 728988	12 "	11	1	9	7	. 25862	23 "	858	4	5	6	. 4939
7 "				0	. 850486	13 "	12	1	3	0	. 36350	24 "	895	7	8	0	. 6892
1 Masha,				0	. 971984	14 "	13	0	6	3	. 46838	25 "	933	1	0	4	. 8846
2 "				1	. 943969	15 "	13	9	9	6	. 57327	26 "	970	4	2	9	. 0800
3 "				2	. 915953	16 "	14	9	2	9	. 67815	27 "	1,007	7	5	3	. 2754
4 "				3	. 887937	17 "	15	8	6	2	. 78304	28 "	1,045	0	7	7	. 4708
5 "				4	. 859921	18 "	16	7	9	5	. 88792	29 "	1,082	4	0	1	. 6662
6 "				5	. 831906	19 "	17	7	2	8	. 99281	30 "	1,119	7	2	5	. 8616
7 "				6	. 803890	20 "	18	6	6	2	. 09769	31 "	1,157	0	5	0	. 0569
8 "				7	. 775874	21 "	19	5	9	5	. 20258	32 "	1,194	3	7	4	. 2523
9 "				8	. 747858	22 "	20	5	2	8	. 30746	33 "	1,231	6	9	8	. 4477
10 "				9	. 719843	23 "	21	4	6	1	. 41235	34 "	1,269	0	2	2	. 6431
11 "				1	0 . 691827	24 "	22	3	9	4	. 51723	35 "	1,306	3	4	6	. 8385
1 Tola,				1	1 . 66381	25 "	23	3	2	7	. 62212	36 "	1,343	6	7	1	. 9339
2 "				2	3 . 32762	26 "	24	2	6	0	. 72700	37 "	1,380	9	9	5	. 2293
3 "				3	4 . 99143	27 "	25	1	9	3	. 83189	38 "	1,418	3	1	9	. 4246
4 "				4	6 . 65524	28 "	26	1	2	6	. 93677	39 "	1,455	6	4	3	. 6200
1 Chitak or 5 Tolas,				5	8 . 31906	29 "	27	0	6	0	. 04165	40 "	1,492	9	6	7	. 8154
2 " 10 "				1	1 6 . 63811	30 "	27	9	9	3	. 14654	41 "	1,530	2	9	2	. 0108
3 " 15 "				1	7 4 . 95717	31 "	28	9	2	6	. 25142	42 "	1,567	6	1	6	. 2062
4 " 20 "				2	3 3 . 27622	32 "	29	8	5	9	. 35631	43 "	1,604	9	4	0	. 4016
5 " 25 "				2	9 1 . 59528	33 "	30	7	9	2	. 46119	44 "	1,642	2	6	4	. 5970
6 " 30 "				3	4 9 . 91433	34 "	31	7	2	5	. 56608	45 "	1,679	5	8	8	. 7923
7 " 35 "				4	0 8 . 23339	35 "	32	6	5	8	. 67096	46 "	1,716	9	1	2	. 9877
8 " 40 "				4	6 6 . 55244	36 "	33	5	9	1	. 77585	47 "	1,754	2	3	7	. 1831
9 " 45 "				5	2 4 . 87150	37 "	34	5	2	4	. 88073	48 "	1,791	5	6	1	. 3785
10 " 50 "				5	8 3 . 19055	38 "	35	4	5	7	. 98562	49 "	1,828	8	8	5	. 5739
11 " 55 "				6	4 1 . 50961	39 "	36	3	9	1	. 09050	50 "	1,866	2	0	9	. 7693
12 " 60 "				6	9 9 . 82866	1 Maund	37	3	2	4	. 1954	60 "	2,239	4	5	1	. 7231
13 " 65 "				7	5 8 . 14772	2 "	74	6	4	8	. 3908	70 "	2,612	6	9	3	. 6770
14 " 70 "				8	1 6 . 46677	3 "	111	9	7	2	. 5862	80 "	2,985	9	3	5	. 6308
15 " 75 "				8	7 4 . 78583	4 "	149	2	9	6	. 7815	90 "	3,359	1	7	7	. 5847
1 Seer 80 "				9	3 3 . 10488	5 "	186	6	2	0	. 9769	100 "	3,732	4	1	9	. 5385
100 "				1	1 6 6 . 38111	6 "	223	9	4	5	. 1723	200 "	7,464	8	3	9	. 0771
200 "				2	3 3 2 . 76221	7 "	261	2	6	9	. 3677	300 "	11,197	2	5	8	. 6156
300 "				3	4 9 9 . 14332	8 "	298	5	9	3	. 5631	400 "	14,929	6	7	8	. 1541
400 "				4	6 6 5 . 52442	9 "	335	9	1	7	. 7585	500 "	18,662	0	9	7	. 6926
500 "				5	8 3 1 . 90553	10 "	373	2	4	1	. 9539	600 "	22,394	5	1	7	. 2312
1000 "				11	6 6 3 . 8111	11 "	410	5	6	6	. 1492	700 "	26,126	9	3	6	. 7697
2000 "				23	3 2 7 . 6221	12 "	447	8	9	0	. 3446	800 "	29,859	3	5	6	. 3082
2 "				1	8 6 6 . 20977	13 "	485	2	1	4	. 5400	900 "	33,591	7	7	5	. 8468
3 "				2	7 9 9 . 31465	14 "	522	5	3	8	. 7354	1000 "	37,324	1	9	5	. 3853

VI.—Metric Weights converted into British-Indian Weights.

4 dhans=1 ruttee; 8 ruttees=1 masha; 12 mashes=1 tola; 5 tolas=1 chitak; 16 chitaks=1 seer;

40 seers=1 maund.—DATA, 1 tola=180 grains Troy.

	Seers.	Chitaks.	decimals.	OR THUS					Maunds.	Seers.	Chitaks.	decimals.	OR THUS				Maunds.	Seers.	Chitaks.	decimals.
				Tolas.	Mashes.	Ruttees.	Dhans.						decimals.	Tolas.	Mashes.	Ruttees.					Dhans.	decimals.
1 Milligram	...	0.000017	...	...	0.0329	6 Hectogr.	...	...	10.28823	51	5	2	1.41	20 Milrs.	535	33	13.08
2 "	...	0.000034	...	...	0.0658	7 "	...	...	12.00294	60	0	1	1.64	21 "	562	25	8.14
3 "	...	0.000051	...	...	0.0988	8 "	...	...	13.71764	68	7	0	1.88	22 "	589	17	3.19
4 "	...	0.000069	...	...	0.1317	9 "	...	...	15.43235	77	1	7	2.11	23 "	616	8	14.25
5 "	...	0.000086	...	...	0.1646	1 Kilogr.	...	1	1.14705	85	8	6	2.34	24 "	643	0	9.30	
6 "	...	0.000103	...	...	0.1975	2 "	...	2	2.29411	171	5	5	0.69	25 "	669	32	4.35	
7 "	...	0.000120	...	...	0.2305	3 "	...	3	3.44116	257	2	3	3.03	26 "	696	23	15.41	
8 "	...	0.000137	...	...	0.2634	4 "	...	4	4.58822	342	11	2	1.38	27 "	723	15	10.46	
9 "	...	0.000154	...	...	0.2963	5 "	...	5	5.73527	428	8	0	3.72	28 "	750	7	5.52	
1 Centigram	...	0.00017	...	...	0.3292	6 "	...	6	6.88233	514	4	7	2.06	29 "	776	39	0.57	
2 "	...	0.00034	...	...	0.6584	7 "	...	7	8.02938	600	1	6	0.41	30 "	803	30	11.63	
3 "	...	0.00051	...	...	0.9877	8 "	...	8	9.17643	685	10	4	2.75	31 "	830	22	6.68	
4 "	...	0.00069	...	...	1.3169	9 "	...	9	10.32349	771	7	2	5.10	32 "	857	14	1.73	
5 "	...	0.00086	...	...	1.6461	1 Myriagr.	...	10	11.47054	857	4	1	3.44	33 "	884	5	12.79	
6 "	...	0.00103	...	...	1.9753	2 "	...	21	6.94108	1,714	8	3	2.88	34 "	910	37	7.84	
7 "	...	0.00120	...	...	2.3046	3 "	...	32	2.41163	2,572	0	5	2.32	35 "	937	29	2.90	
8 "	...	0.00137	...	...	2.6338	4 "	...	1	2.1388216	3,429	4	7	1.76	36 "	964	20	13.95	
9 "	...	0.00154	...	...	2.9630	5 "	...	13	9.35271	4,286	9	1	1.20	37 "	991	12	9.00	
1 Decigram	...	0.00172	...	...	3.2922	6 "	...	1	24.482325	5,144	1	3	0.64	38 "	1,018	4	4.06	
2 "	...	0.00343	...	...	2.5845	7 "	...	1	35.029379	6,001	5	5	0.08	39 "	1,044	35	15.11	
3 "	...	0.00514	...	...	1.8767	8 "	...	2	5.1176433	6,858	9	6	3.52	40 "	1,071	27	10.16	
4 "	...	0.00686	...	...	1.1689	9 "	...	2	16.723488	7,716	2	0	2.96	41 "	1,098	19	5.22	
5 "	...	0.00857	...	...	0.4612	1 Quintal	...	2	27.270542	8,573	6	2	2.4	42 "	1,125	11	0.28	
6 "	...	0.01029	...	...	3.7534	2 "	...	5	14.54108	17,147	0	5	0.8	43 "	1,152	2	11.33	
7 "	...	0.01200	...	...	3.0456	3 "	...	8	1.81163	25,720	6	7	3.2	44 "	1,178	34	6.38	
8 "	...	0.01372	...	...	2.3379	4 "	...	10	28.108216	34,294	1	2	1.6	45 "	1,205	26	1.44	
9 "	...	0.01543	...	...	1.6301	5 "	...	13	15.135271	42,867	7	5	0.0	46 "	1,232	17	12.49	
1 Gram	...	0.01715	...	...	0.9223	6 "	...	16	3.02325	51,441	1	7	2.4	47 "	1,259	9	7.55	
2 "	...	0.03429	...	...	1.8447	7 "	...	18	30.29379	60,014	8	2	0.8	48 "	1,286	1	2.60	
3 "	...	0.05144	...	...	2.7670	8 "	...	21	17.56433	68,588	2	4	3.2	49 "	1,312	32	13.65	
4 "	...	0.06859	...	...	3.6894	9 "	...	24	4.83488	77,161	8	7	1.6	50 "	1,339	24	8.71	
5 "	...	0.08574	...	...	0.6117	1 Millier	...	26	31.110542	85,735	3	2	0.0	51 "	1,366	16	3.76	
6 "	...	0.10288	...	...	1.5341	2 "	...	53	23.611					52 "	1,393	7	14.82	
7 "	...	0.12003	...	...	2.4564	3 "	...	80	15.116					53 "	1,419	39	9.87	
8 "	...	0.13718	...	...	3.3788	4 "	...	107	6.1222					54 "	1,446	31	4.93	
9 "	...	0.15432	...	...	0.3011	5 "	...	133	38.727					55 "	1,473	22	15.98	
1 Dekagram	...	0.17147	...	...	1.2234	6 "	...	160	30.233					56 "	1,500	14	11.03	
2 "	...	0.34294	...	...	2.4469	7 "	...	187	21.1338					57 "	1,527	6	6.09	
3 "	...	0.51441	...	...	3.6703	8 "	...	214	13.843					58 "	1,553	38	1.14	
4 "	...	0.68588	...	...	0.8938	9 "	...	241	5.349					59 "	1,580	29	12.20	
5 "	...	0.85735	...	...	2.1172	10 "	...	267	36.1454					60 "	1,607	21	7.25	
6 "	...	1.02882	...	...	3.3406	11 "	...	294	28.960					70 "	1,875	18	5.79	
7 "	...	1.20029	...	...	0.5641	12 "	...	321	20.465					80 "	2,143	15	4.33	
8 "	...	1.37176	...	...	1.7873	13 "	...	348	11.1570					90 "	2,411	12	2.88	
9 "	...	1.54323	...	...	3.0110	14 "	...	375	3.1076					100 "	2,679	9	1.42	
1 Hectogram	...	1.71470	...	...	0.2344	15 "	...	401	35.581					200 "	5,358	18	2.83	
2 "	...	3.42941	...	...	0.4688	16 "	...	428	27.086					300 "	8,037	27	4.25	
3 "	...	5.14412	...	...	0.7032	17 "	...	455	18.1192					400 "	10,716	36	5.66	
4 "	...	6.85882	...	...	0.9376	18 "	...	482	10.698					500 "	13,396	5	7.08	
5 "	...	8.57353	...	...	1.1720	19 "	...	509	2.03					600 "	16,075	14	8.50	

VII.—Bengal, Bombay, and Madras Weights converted into
Metric Weights.

BENGAL.—16 Chitaks=1 Seer; 40 Seers= 1 Maund. DATA, 1 Maund= 74½ lbs. Avoirdupois.		BOMBAY.—40 Seers=1 Maund; 20 Maunds=1 Candy. DATA, 1 Candy =560 lbs. Avoirdupois.		MADRAS.—40 Poll=1 Viss; 8 Viss= 1 Maund; 20 Maunds=1 Candy. DATA, 1 Candy=500 lbs. Avoirdupois.	
	Kilograms. decimals.		Kilograms. decimals.		Kilograms. decimals.
1 Chitak,	0.05291914	1 Seer,	0.31751486	1 Pollam,	0.03543693
2 "	0.10583829	2 "	0.63502971	2 "	0.07087385
3 "	0.15875743	3 "	0.95254457	3 "	0.10631078
4 "	0.21167657	4 "	1.27005943	4 "	0.14174770
5 "	0.26459571	5 "	1.58757428	5 "	0.17718463
6 "	0.31751486	6 "	1.90508914	6 "	0.21262156
7 "	0.37043400	7 "	2.22260400	7 "	0.24805848
8 "	0.42335314	8 "	2.54011885	8 "	0.28349541
9 "	0.47627228	9 "	2.85763371	9 "	0.31893233
10 "	0.52919143	10 "	3.1751486	10 "	0.3543693
1 Seer,	0.84670628	20 "	6.3502971	20 "	0.7087385
2 "	1.69341257	30 "	9.5254457	30 "	1.0631078
3 "	2.54011885	1 Maund,	12.7005943	1 Viss,	1.4174770
4 "	3.38682514	2 "	25.4011885	2 "	2.8349541
5 "	4.23353142	3 "	38.1017828	3 "	4.2524311
6 "	5.08023771	4 "	50.8023771	4 "	5.6699082
7 "	5.92694399	5 "	63.5029713	5 "	7.0873852
8 "	6.77365027	6 "	76.2035656	6 "	8.5048622
9 "	7.62035656	7 "	88.9041598	7 "	9.9223393
10 "	8.46706284	8 "	101.6047541	1 Maund,	11.3398163
20 "	16.93412568	9 "	114.3053484	2 "	22.6796326
30 "	25.40118853	10 "	127.0059426	3 "	34.0194489
1 Factory Maund,	33.8682514	11 "	139.7065369	4 "	45.3592652
2 "	67.7365027	12 "	152.4071312	5 "	56.6990815
3 "	101.6047541	13 "	165.1077254	6 "	68.0388978
4 "	135.4730055	14 "	177.8083197	7 "	79.3787141
5 "	169.3412568	15 "	190.5089139	8 "	90.7185304
6 "	203.2095082	16 "	203.2095082	9 "	102.0583468
7 "	237.0777596	17 "	215.9101025	10 "	113.3981630
8 "	270.9460109	18 "	228.6106967	11 "	124.7379793
9 "	304.8142623	19 "	241.3112910	12 "	136.0777956
10 "	338.682514	1 Candy,	254.011885	1 Candy,	226.796326
20 "	677.365027	2 "	508.023771	2 "	453.592652
30 "	1,016.047541	3 "	762.035656	3 "	680.388978
40 "	1,354.730055	4 "	1,016.047541	4 "	907.185305
50 "	1,693.412568	5 "	1,270.059426	5 "	1,133.981631
60 "	2,032.095082	6 "	1,524.071312	6 "	1,360.777957
70 "	2,370.777596	7 "	1,778.083197	7 "	1,587.574283
80 "	2,709.460109	8 "	2,032.095082	8 "	1,814.370609
90 "	3,048.142623	9 "	2,286.106967	9 "	2,041.166935
100 "	3,386.82514	10 "	2,540.118853	10 "	2,267.963261
200 "	6,773.65027	20 "	5,080.237705	20 "	4,535.926523
300 "	10,160.47541	30 "	7,620.356558	30 "	6,803.889784
400 "	13,547.30055	40 "	10,160.475410	40 "	9,071.853045
500 "	16,934.12568	50 "	12,700.594263	50 "	11,339.816306
600 "	20,320.95082	60 "	15,240.713116	60 "	13,607.779568
700 "	23,707.77596	70 "	17,780.831968	70 "	15,875.742829
800 "	27,094.60109	80 "	20,320.950821	80 "	18,143.706090
900 "	30,481.42623	90 "	22,861.069673	90 "	20,411.669351
1000 "	33,868.25137	100 "	25,401.188526	100 "	22,679.632613

VIII.—Metric Weights converted into Weights of Bengal, Bombay, and Madras.

	BENGAL.				BOMBAY.				MADRAS.					
	DATA, 1 Maund = 74½ lbs. Avoirdupois.				DATA, 1 Candy = 560 lbs. Avoirdupois.				DATA, 1 Candy = 500 lbs. Avoirdupois.					
	Factory Maunds.	Seers.	Chit-taks.	dec.	Candy.	Maunds.	Seers.	dec.	Candy.	Maund.	Viss.	Pollam.	dec.	
1 Gram,	0	. 019	...	...	0	. 00315	...	...	...	0	. 0282	
1 Dekagram,	0	. 189	...	...	0	. 03149	...	...	...	0	. 2822	
1 Hectogram,	1	. 890	...	...	0	. 31495	...	...	...	2	. 8219	
2 "	3	. 779	...	...	0	. 62989	...	...	...	5	. 6438	
3 "	5	. 669	...	...	0	. 94484	...	...	...	8	. 4657	
4 "	7	. 559	...	...	1	. 25978	...	...	...	11	. 2877	
5 "	9	. 448	...	...	1	. 57473	...	...	...	14	. 1096	
1 Kilogram,	...	1	2	. 897	...	...	3	. 14946	...	...	...	28	. 2192	
2 "	...	2	5	. 794	...	...	6	. 29892	...	...	1	16	. 4383	
3 "	...	3	8	. 690	...	...	9	. 44838	...	...	2	4	. 6575	
4 "	...	4	11	. 587	...	...	12	. 59784	...	...	2	32	. 8766	
5 "	...	5	14	. 484	...	...	15	. 74729	...	...	3	21	. 0958	
6 "	...	7	1	. 381	...	...	18	. 89675	...	...	4	9	. 3149	
7 "	...	8	4	. 277	...	...	22	. 04621	...	...	4	37	. 5341	
8 "	...	9	7	. 174	...	...	25	. 19567	...	...	5	25	. 7532	
9 "	...	10	10	. 07	...	...	28	. 34513	...	...	6	13	. 9724	
1 Myriagram or 10 Kilograms,	...	11	12	. 968	...	...	31	. 49459	...	...	7	2	. 1915	
20 "	...	23	9	. 935	...	1	22	. 98918	...	1	6	4	. 3830	
30 "	...	35	6	. 903	...	2	14	. 48377	...	2	5	6	. 5746	
40 "	...	1	7	3	. 870	...	3	5	. 97836	...	3	4	8	. 7661
50 "	...	1	19	0	. 838	...	3	37	. 47295	...	4	3	10	. 9576
60 "	...	1	30	13	. 805	...	4	28	. 96754	...	5	2	13	. 1491
70 "	...	2	2	10	. 773	...	5	20	. 46212	...	6	1	15	. 3406
80 "	...	2	14	7	. 740	...	6	11	. 95671	...	7	0	17	. 5322
90 "	...	2	26	4	. 708	...	7	3	. 45130	...	7	7	19	. 7237
1 Quintal	100	2	38	1	. 675	...	7	34	. 94589	...	8	6	21	. 9152
200 "	...	5	36	3	. 351	...	15	29	. 89179	...	17	5	3	. 8304
300 "	...	8	34	5	. 026	1	3	24	. 83768	1	6	3	25	. 7456
400 "	...	11	32	6	. 701	1	11	19	. 78357	1	15	2	7	. 6608
500 "	...	14	30	8	. 377	1	19	14	. 72946	2	4	0	29	. 5760
600 "	...	17	28	10	. 052	2	7	9	. 67536	2	12	7	11	. 4912
700 "	...	20	26	11	. 727	2	15	4	. 62125	3	1	5	33	. 4064
800 "	...	23	24	13	. 403	3	2	39	. 56714	3	10	4	15	. 3216
900 "	...	26	22	15	. 078	3	10	34	. 51304	3	19	2	37	. 2368
1 Millier	1,000	29	21	0	. 754	3	18	29	. 45893	4	8	1	19	. 1520
2,000 "	...	59	2	1	. 507	7	17	18	. 9179	8	16	2	38	. 3039
3,000 "	...	88	23	2	. 261	11	16	8	. 3768	13	4	4	17	. 4559
4,000 "	...	118	4	3	. 014	15	14	37	. 8357	17	12	5	36	. 6079
5,000 "	...	147	25	3	. 768	19	13	27	. 2946	22	0	7	15	. 7598
6,000 "	...	177	6	4	. 521	23	12	16	. 7536	26	9	0	34	. 9118
7,000 "	...	206	27	5	. 275	27	11	6	. 2125	30	17	2	14	. 0638
8,000 "	...	236	8	6	. 028	31	9	35	. 6714	35	5	3	33	. 2157
9,000 "	...	265	29	6	. 782	35	8	25	. 1304	39	13	5	12	. 3677
10,000 "	...	295	10	7	. 535	39	7	14	. 5893	44	1	6	31	. 520
20,000 "	...	590	20	15	. 071	78	14	29	. 179	88	3	5	23	. 039
30,000 "	...	885	31	6	. 606	118	2	3	. 768	132	5	4	14	. 559
40,000 "	...	1,181	1	14	. 141	157	9	18	. 357	176	7	3	6	. 079
50,000 "	...	1,476	12	5	. 677	196	16	32	. 946	220	9	1	37	. 598
100,000 "	...	2,952	24	11	. 35	393	13	25	. 893	440	18	3	35	. 20

TABLE showing Ounces and Drams reduced to the Decimal part of a Pound Avoirdupois.

	1 dram.	2 drams.	3 drams.	4 drams.	5 drams.	6 drams.	7 drams.	8 drams.	9 drams.	10 drams.	11 drams.	12 drams.	13 drams.	14 drams.	15 drams.
1 ounce,	00390625	0078125	01171875	015625	01953125	0234375	02734375	03125	03515625	0390625	04296875	046875	05078125	0546875	05859375
2 "	06640625	0703125	07421875	078125	08203125	0859375	08984375	09375	09765625	1015625	10546875	109375	11328125	1171875	12109375
3 "	12890625	1328125	13671875	140625	14453125	1484375	15234375	15625	16015625	1640625	16796875	171875	17578125	1796875	18359375
4 "	19140625	1953125	19921875	203125	20703125	2109375	21484375	21875	22265625	2265625	23046875	234375	23828125	2421875	24609375
5 "	25390625	2578125	26171875	265625	26953125	2734375	27734375	28125	28515625	2890625	29296875	296875	30078125	3046875	30859375
6 "	31640625	3203125	32421875	328125	33203125	3359375	33984375	34375	34765625	3515625	35546875	359375	36328125	3671875	37109375
7 "	37890625	3828125	38671875	390625	39453125	3984375	40234375	40625	41015625	4140625	41796875	421875	42578125	4296875	43359375
8 "	44140625	4453125	44921875	453125	45703125	4609375	46484375	46875	47265625	4765625	48046875	484375	48828125	4921875	49609375
9 "	50390625	5078125	51171875	515625	51953125	5234375	52734375	53125	53515625	5390625	54296875	546875	55078125	5546875	55859375
10 "	56640625	5703125	57421875	578125	58203125	5859375	58984375	59375	59765625	6015625	60546875	609375	61328125	6171875	62109375
11 "	62890625	6328125	63671875	640625	64453125	6484375	65234375	65625	66015625	6640625	66796875	671875	67578125	6796875	68359375
12 "	69140625	6953125	69921875	703125	70703125	7109375	71484375	71875	72265625	7265625	73046875	734375	73828125	7421875	74609375
13 "	75390625	7578125	76171875	765625	76953125	7734375	77734375	78125	78515625	7890625	79296875	796875	80078125	8046875	80859375
14 "	81640625	8203125	82421875	828125	83203125	8359375	83984375	84375	84765625	8515625	85546875	859375	86328125	8671875	87109375
15 "	87890625	8828125	88671875	890625	89453125	8984375	90234375	90625	91015625	9140625	91796875	921875	92578125	9296875	93359375
	94140625	9453125	94921875	953125	95703125	9609375	96484375	96875	97265625	9765625	98046875	984375	98828125	9921875	99609375

X.—TABLE showing Pennyweights and Grains reduced to the Decimal Part of an Ounce Troy.

	1 dwt.	2 dwts.	3 dwts.	4 dwts.	5 dwts.	6 dwts.	7 dwts.	8 dwts.	9 dwts.	10 dwts.	11 dwts.	12 dwts.	13 dwts.	14 dwts.	15 dwts.	16 dwts.	17 dwts.	18 dwts.	19 dwts.
1 grain	002083	050083	150083	200083	250083	300083	350083	400083	450083	500083	550083	600083	650083	700083	750083	800083	850083	900083	950083
2 "	00416	10016	15016	20016	25016	30016	35016	40016	45016	50016	55016	60016	65016	70016	75016	80016	85016	90016	95016
3 "	00625	10025	15025	20025	25025	30025	35025	40025	45025	50025	55025	60025	65025	70025	75025	80025	85025	90025	95025
4 "	0083	10083	15083	20083	25083	30083	35083	40083	45083	50083	55083	60083	65083	70083	75083	80083	85083	90083	95083
5 "	010416	110416	160416	210416	260416	310416	360416	410416	460416	510416	560416	610416	660416	710416	760416	810416	860416	910416	960416
6 "	0125	1125	1625	2125	2625	3125	3625	4125	4625	5125	5625	6125	6625	7125	7625	8125	8625	9125	9625
7 "	014583	14583	164583	214583	264583	314583	364583	414583	464583	514583	564583	614583	664583	714583	764583	814583	864583	914583	964583
8 "	016	116	16	216	26	316	36	416	46	516	56	616	66	716	76	816	86	916	96
9 "	01875	11875	16875	21875	26875	31875	36875	41875	46875	51875	56875	61875	66875	71875	76875	81875	86875	91875	96875
10 "	02083	12083	17083	22083	27083	32083	37083	42083	47083	52083	57083	62083	67083	72083	77083	82083	87083	92083	97083
11 "	022916	122916	172916	222916	272916	322916	372916	422916	472916	522916	572916	622916	672916	722916	772916	822916	872916	922916	972916
12 "	025	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
13 "	027083	127083	177083	227083	277083	327083	377083	427083	477083	527083	577083	627083	677083	727083	777083	827083	877083	927083	977083
14 "	02916	12916	17916	22916	27916	32916	37916	42916	47916	52916	57916	62916	67916	72916	77916	82916	87916	92916	97916
15 "	03125	13125	18125	23125	28125	33125	38125	43125	48125	53125	58125	63125	68125	73125	78125	83125	88125	93125	98125
16 "	03	13	183	23	283	3	383	43	483	53	583	63	683	73	783	83	883	93	983
17 "	035416	135416	185416	235416	285416	335416	385416	435416	485416	535416	585416	635416	685416	735416	785416	835416	885416	935416	985416
18 "	0375	1375	1875	2375	2875	3375	3875	4375	4875	5375	5875	6375	6875	7375	7875	8375	8875	9375	9875
19 "	039583	139583	189583	239583	289583	339583	389583	439583	489583	539583	589583	639583	689583	739583	789583	839583	889583	939583	989583
20 "	0416	1416	1916	2416	2916	3416	3916	4416	4916	5416	5916	6416	6916	7416	7916	8416	8916	9416	9916
21 "	04375	14375	19375	24375	29375	34375	39375	44375	49375	54375	59375	64375	69375	74375	79375	84375	89375	94375	99375
22 "	04583	14583	19583	24583	29583	34583	39583	44583	49583	54583	59583	64583	69583	74583	79583	84583	89583	94583	99583
23 "	047916	147916	197916	247916	297916	347916	397916	447916	497916	547916	597916	647916	697916	747916	797916	847916	897916	947916	997916

XI.—TABLE showing Shillings and Pence reduced to the Decimal Part of a Pound Sterling.

	1 Penny.	2 Pence.	3 Pence.	4 Pence.	5 Pence.	6 Pence.	7 Pence.	8 Pence.	9 Pence.	10 Pence.	11 Pence.
1 Shilling,	04166	008333	012500	016666	020833	025000	029166	033333	037500	041666	045833
2 "	054166	058333	062500	066666	070833	075000	079166	083333	087500	091666	095833
3 "	104166	108333	112500	116666	120833	125000	129166	133333	137500	141666	145833
4 "	154166	158333	162500	166666	170833	175000	179166	183333	187500	191666	195833
5 "	204166	208333	212500	216666	220833	225000	229166	233333	237500	241666	245833
6 "	254166	258333	262500	266666	270833	275000	279166	283333	287500	291666	295833
7 "	304166	308333	312500	316666	320833	325000	329166	333333	337500	341666	345833
8 "	354166	358333	362500	366666	370833	375000	379166	383333	387500	391666	395833
9 "	404166	408333	412500	416666	420833	425000	429166	433333	437500	441666	445833
10 "	454166	458333	462500	466666	470833	475000	479166	483333	487500	491666	495833
11 "	504166	508333	512500	516666	520833	525000	529166	533333	537500	541666	545833
12 "	554166	558333	562500	566666	570833	575000	579166	583333	587500	591666	595833
13 "	604166	608333	612500	616666	620833	625000	629166	633333	637500	641666	645833
14 "	654166	658333	662500	666666	670833	675000	679166	683333	687500	691666	695833
15 "	704166	708333	712500	716666	720833	725000	729166	733333	737500	741666	745833
16 "	754166	758333	762500	766666	770833	775000	779166	783333	787500	791666	795833
17 "	804166	808333	812500	816666	820833	825000	829166	833333	837500	841666	845833
18 "	854166	858333	862500	866666	870833	875000	879166	883333	887500	891666	895833
19 "	904166	908333	912500	916666	920833	925000	929166	933333	937500	941666	945833
950000	954166	958333	962500	966666	970833	975000	979166	983333	987500	991666	995833

For 1 farthing, add '0010416; for 2 farthings, add '002083; for 3 farthings, add '003125.

XII.—Gold Assay Report.

BRITISH ASSAY REPORT expressed in Decimals, and compared with FRENCH MILLIEMES;
also the Grains of Pure Gold out of 12 Ounces of Metal.

British Assay.	British Assay in Decimals Standard being 1.	MILLIEMES or Fine Weight in Decimals Pure being 1.	Grains Pure Gold in 12 oz. Metal.	British Assay.	British Assay in Decimals Standard being 1.	MILLIEMES or Fine Weight in Decimals. Pure being 1.	Grains Pure Gold in 12 oz. Metal.
<i>carats. grs.</i>				<i>carats. grs.</i>			
WORSE. 4	8181	750	4320	WORSE. 2 17	88778400	813802083	4687½
3 3	81960227	751302083	4327½		8892043	81510416	4695
	8210227	75200416	4335		890625	81640025	4702½
	82244318	75300325	4342½		892043	8177083	4710
	823863	7552083	4350		89346300	819010416	4717½
	82528400	756510416	4357½		8948863	8203125	4725
	8267343	7578125	4365		89630681	821614583	4732½
	828125	759114383	4372½	2 1	89772	822916	4740
3 3	82954	760416	4380				
				2 0	89914772	82421875	4747½
3 2	83090360	76171875	4387½		9005081	82552083	4755
	8323863	76302083	4395		90198863	826822016	4762½
	83380681	764322016	4402½		903400	828125	4770
	835227	765625	4410		90482064	829427083	4777½
	83664772	766927083	4417½		90625	83072016	4785
	8380681	76822916	4425		90767043	83203125	4792½
	8394886	76953125	4432½	2 0	9090	83	4800
3 2	8409	77083	4440				
				1 37	91051136	834635416	4807½
3 1	84232064	772135416	4447½		9119318	8359375	4815
	84375	7734375	4455		91335227	837239583	4822½
	84517043	774739583	4462½		914772	8385416	4830
	846590	7760416	4470		91619318	83984375	4837½
	84801136	77734375	4477½		9176136	84114583	4845
	8494318	77864583	4485		91903400	842447916	4852½
	85085227	779947916	4492½	1 3	92043	84375	4860
3 1	85227	78125	4500				
				1 27	921875	845052083	4867½
3 0	85360818	782552083	4507½		9232964	84635416	4875
	8551136	78385416	4515		92471600	84765625	4882½
	85653400	78515625	4522½		926136	8489583	4890
	857954	7864583	4530		92755681	850260416	4897½
	859375	787760416	4537½		9289772	8515625	4905
	8607954	7890625	4545		93039772	852864583	4912½
	86221600	790364583	4552½	1 2	9318	85416	4920
3 0	8636	7916	4560				
				1 17	93328863	85546875	4927½
2 3	86500681	79296875	4567½		934600	85677083	4935
	8664272	79427083	4575		93602064	858072916	4942½
	86784772	795572916	4582½		9375	859375	4950
	8692681	796875	4590		93894043	860675083	4957½
	87068863	798177083	4597½		9403400	86197916	4965
	8721090	79947916	4605		94176136	86328125	4972½
	87352954	80078125	4612½	1 1	94318	864583	4980
2 3	875	802083	4620				
				1 0	94460227	865885416	4987½
2 2	87642043	803385416	4627½		9460227	8671875	4995
	8778400	8046875	4635		94744318	868489583	5002½
	87926136	805989583	4642½		948863	8697916	5010
	880681	8072916	4650		95028400	87109375	5017½
	88210227	80859375	4657½		9517043	87239583	5025
	8835227	80989583	4665		953125	873697916	5032½
	88494318	811197916	4672½	1 0	9545	875	5040
2 2	8863	8125	4680	0 37	95590300	876302083	5047½

XII.—Gold Assay Report.

BRITISH ASSAY REPORT expressed in Decimals, and compared with FRENCH MILLIEMES;
also the Grains of Pure Gold out of 12 Ounces of Metal.

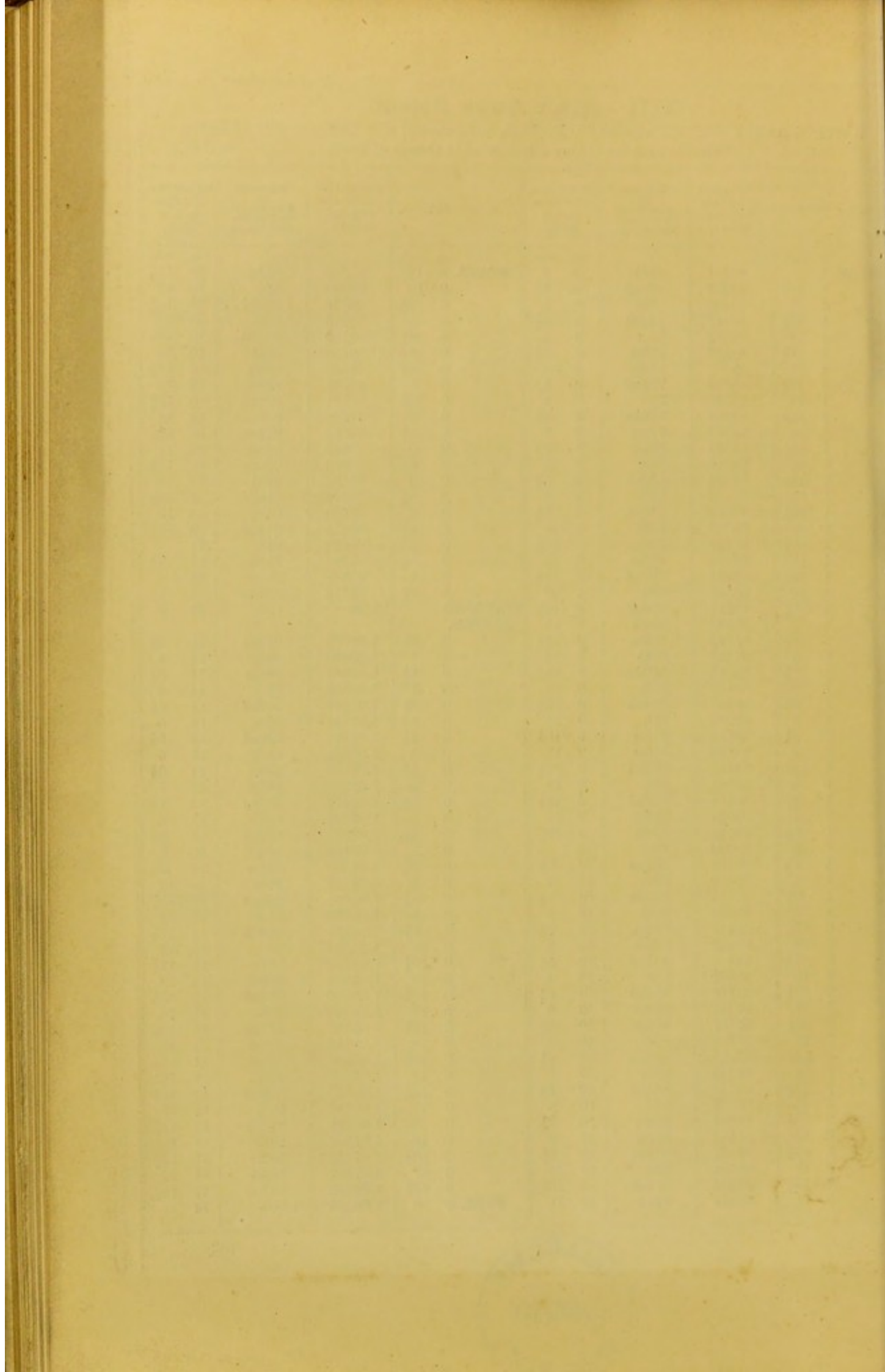
British Assay.	British Assay in Decimals Standard being 1.	MILLIEMES or Fine Weight in Decimals Pure being 1.	Grains Pure Gold in 12 oz. Metal.	British Assay.	British Assay in Decimals Standard being 1.	MILLIEMES or Fine Weight in Decimals. Pure being 1.	Grains Pure Gold in 12 oz. Metal.
WORSE.	0 3	9573 ⁸⁶³	877 ⁰⁰¹⁶	BETTER.	0 21	1.0255 ⁶⁸¹	940 ¹⁰⁴¹⁶
		9588 ⁰⁰⁸¹	878 ⁰⁰⁰²⁵			1.0269 ⁸⁸⁰⁸	941 ⁴⁰⁰²⁵
		9602 ⁴⁷	880 ²⁰⁸³			1.0284 ⁴⁶⁶	942 ⁷⁰⁸³
		9616 ⁴⁷⁷²	881 ⁵⁰⁴¹⁶			1.0298 ²⁰⁶⁴	944 ⁰¹⁰⁴¹⁶
		9630 ⁶⁸¹	882 ⁸¹²⁵			1.0312 ⁵	945 ³¹²⁵
		9644 ⁸⁸²³	884 ¹¹⁴³⁸³			1.0326 ⁷⁰⁴⁶	946 ⁶¹⁴³⁸³
	0 3	9659 ⁶	885 ⁴¹⁶				946 ⁶¹⁴³⁸³
							5415
							5422 ¹
							5430
							5437 ¹
							5445
							5452 ¹
	0 3						
							5460
							5467 ¹
							5475
							5482 ¹
							5490
							5497 ¹
							5505
							5512 ¹
	0 2						
							5520
							5167 ¹
							5175
							5182 ¹
							5190
							5197 ¹
							5205
							5212 ¹
							5220
	0 1						
							5227 ¹
							5235
							5242 ¹
							5250
							5257 ¹
							5265
							5272 ¹
	0 0						
							5280
							5287 ¹
							5295
							5302 ¹
							5310
							5317 ¹
							5325
							5332 ¹
	0 1						
							5340
							5347 ¹
							5355
							5362 ¹
							5370
							5377 ¹
							5385
							5392 ¹
	0 2						
							5400
							5407 ¹
							5415
							5422 ¹
							5430
							5437 ¹
							5445
							5452 ¹
							5460
							5467 ¹
							5475
							5482 ¹
							5490
							5497 ¹
							5505
							5512 ¹
							5520
							5527 ¹
							5535
							5542 ¹
							5550
							5557 ¹
							5565
							5572 ¹
	0 1						
							5580
							5587 ¹
							5595
							5602 ¹
							5610
							5617 ¹
							5625
							5632 ¹
	0 0						
							5640
							5647 ¹
							5655
							5662 ¹
							5670
							5677 ¹
							5685
							5692 ¹
	0 1						
							5700
							5707 ¹
							5715
							5722 ¹
							5730
							5737 ¹
							5745
							5752 ¹
	0 2						
							5760
							5767 ¹
							5775
							5782 ¹
							5790
							5797 ¹
							5805
							5812 ¹
							5820
							5827 ¹
							5835
							5842 ¹
							5850
							5857 ¹
							5865
							5872 ¹
							5880
							5887 ¹
							5895
							5902 ¹
							5910
							5917 ¹
							5925
							5932 ¹
							5940
							5947 ¹
							5955
							5962 ¹
							5970
							5977 ¹
							5985
							5992 ¹
							6000
							6007 ¹
							6015
							6022 ¹
							6030
							6037 ¹
							6045
							6052 ¹
							6060
							6067 ¹
							6075
							6082 ¹
							6090
							6097 ¹
							6105
							6112 ¹
							6120
							6127 ¹
							6135
							6142 ¹
							6150
							6157 ¹
							6165
							6172 ¹
							6180
							6187 ¹
							6195
							6202 ¹
							6210
							6217 ¹
							6225
							6232 ¹
							6240
							6247 ¹
							6255
							6262 ¹
							6270
							6277 ¹
							6285
							6292 ¹
							6300
							6307 ¹
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							6322 ¹
							6330
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							6405
							6412 ¹
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							6427 ¹
							6435
							6442 ¹
							6450
							6457 ¹
							6465
							6472 ¹
							6480
							6487 ¹
							6495

XIII.—Silver Assay Report.

BRITISH ASSAY REPORT expressed in Decimals, and compared with FRENCH MILLIEMES;
also the quantity of Pure Silver out of 12 Ounces of Metal.

British Assay.		British Assay in Decimals Standard being 1.	MILLIEMES or Fine Weight in Decimals Pure being 1.	Oz. and dwts. Pure Silver in 12 oz. Metal.	British Assay.		British Assay in Decimals Standard being 1.	MILLIEMES or Fine Weight in Decimals Pure being 1.	Oz. and dwts. Pure Silver in 12 oz. Metal.			
oz.	dwts.			oz.	dwts.				oz.	dwts.		
WORSE.	2	8198i	758s	9	2	WORSE.	0	10½	95270	88125	10	11½
	1	19½	82207	760416	9	2½	0	10	95495	883	10	12
	1	19	82432	7625	9	3	0	9½	95720	885416	10	12½
	1	18½	82657	764283	9	3½	0	9	95945	8875	10	13
	1	18	82882	76	9	4	0	8½	96170	889283	10	13½
	1	17½	83108	76875	9	4½	0	8	96396	8916	10	14
	1	17	83	77083	9	5	0	7½	96621	89375	10	14½
	1	16½	83558	772916	9	5½	0	7	96846	89383	10	15
	1	16	83783	775	9	6	0	6½	97071	897916	10	15½
	1	15½	84009	777083	9	6½	0	6	97297	900	10	16
	1	15	84234	77916	9	7	0	5½	97522	902083	10	16½
	1	14½	84459	78125	9	7½	0	5	97747	90416	10	17
	1	14	84684	783	9	8	0	4½	97972	90625	10	17½
	1	13½	84909	785416	9	8½	0	4	98197	9083	10	18
	1	13	85135	7875	9	9	0	3½	98423	910416	10	18½
	1	12½	85360	789283	9	9½	0	3	98648	9125	10	19
	1	12	85585	7916	9	10	0	2½	98873	914283	10	19½
	1	11½	85810	79375	9	10½	0	2	99098	916	11	
	1	11	86036	79583	9	11	0	1½	99324	91875	11	0½
	1	10½	86261	797916	9	11½	0	1	99549	92083	11	1
	1	10	86486	800	9	12	0	0½	99774	922916	11	1½
	1	9½	86711	802083	9	12½	STANDARD	1.00	925	925	11	2
	1	9	86936	80416	9	13	BETTER.					
	1	8½	87162	80625	9	13½	0	0½	1.00225	927083	11	2½
	1	8	87387	8083	9	14	0	1	1.00450	92916	11	3
	1	7½	87612	810416	9	14½	0	1½	1.00675	93125	11	3½
	1	7	87837	8125	9	15	0	2	1.00900	93	11	4
	1	6½	88063	814283	9	15½	0	2½	1.01126	935416	11	4½
	1	6	88288	816	9	16	0	3	1.01351	9375	11	5
	1	5½	88513	81875	9	16½	0	3½	1.01576	939283	11	5½
	1	5	88738	82083	9	17	0	4	1.01801	9416	11	6
	1	4½	88963	822916	9	17½	0	4½	1.02027	94375	11	6½
	1	4	89189	825	9	18	0	5	1.02252	94583	11	7
	1	3½	89414	827083	9	18½	0	5½	1.02477	957916	11	7½
	1	3	89639	82916	9	19	0	6	1.02702	950	11	8
	1	2½	89864	83125	9	19½	0	6½	1.02927	952083	11	8½
	1	2	90090	83	10		0	7	1.03153	95416	11	9
	1	1½	90315	835416	10	0½	0	7½	1.03378	95625	11	9½
	1	1	90540	8375	10	1	0	8	1.03603	9583	11	10
	1	0½	90765	839283	10	1½	0	8½	1.03828	960416	11	10½
	0	19½	90990	8416	10	2	0	9	1.04054	9625	11	11
	0	19	91216	84375	10	2½	0	9½	1.04279	964283	11	11½
	0	18½	91441	84583	10	3	0	10	1.04504	96	11	12
	0	18	916	847916	10	3½	0	10½	1.04729	9875	11	12½
	0	17½	91891	850	10	4	0	11	1.04954	97083	11	13
	0	17	92116	852083	10	4½	0	11½	1.05180	972916	11	13½
	0	16½	92342	85416	10	5	0	12	1.05405	975	11	14
	0	16	92567	85625	10	5½	0	12½	1.05630	977083	11	14½
	0	16	92792	8583	10	6	0	13	1.05855	97916	11	15
	0	15½	93017	860416	10	6½	0	13½	1.06081	98125	11	15½
	0	15	93243	8625	10	7	0	14	1.06306	983	11	16
	0	14½	93468	864283	10	7½	0	14½	1.06531	985416	11	16½
	0	14	93693	86	10	8	0	15	1.06756	9875	11	17
	0	13½	93918	86875	10	8½	0	15½	1.06981	989283	11	17½
	0	13	94143	87083	10	9	0	16	1.07207	9916	11	18
	0	12½	94369	872916	10	9½	0	16½	1.07432	99375	11	18½
	0	12	94594	875	10	10	0	17	1.07657	99583	11	19
	0	11½	94819	877083	10	10½	0	17½	1.07882	997916	11	19½
	0	11	95044	87916	10	11	PURE.	0	18	1.08108	1.000	12







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