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APPENDIX

CONTAINING,  
FORMS of Informations and Judicial  
Proceedings on the Act of Excise.

WITH  
TABLES of the CONTENTS of *Cylinders*, the  
*Areas of Circles* and *Squares*, and other TABLES  
useful to *Gaugers*.



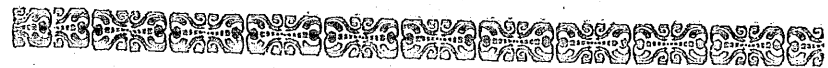
D U B L I N:  
Printed in the YEAR, 1736.

A N  
A P P E N D I X, &c.



N O T E,

That for the better Information of Persons concerned, the Marginal Notes refer to the several Articles in the Abbridgment, whereon the following Forms, &c. are grounded.



FORMS of Informations upon the Act of EXCISE, which with the Judicial Proceedings thereupon, are to be entred in a \* Book kept for that Purpose by the Sub-Commissioners or Collectors of each Port or District. \* Information Book.

Forms of Informations upon a Seizure.

BE it remembred, That upon the Day of in the Year of the Reign of our Sovereign Lord the King's Majesty that now is, G. H. came in his own proper Person before { me } the Sub-Commissioner, or Sub-Commissioners of his Majesty's Revenue of Excise and New Impost for the Port of C. at the Office of Excise in and did then and there give { us } the said Sub-Commissioners to understand, and to be informed, that betwixt the Day of this Information, he the said G. H. did in the Port of C. seize to the Use of our Sovereign Lord the King, and himself, certain Goods (viz.) being the Goods of a Person or Persons unknown, † for that the same being Exciseable Goods were Imported into this Kingdom, from Parts beyond the Seas, and taken up or discharged out of a certain Ship or Vessel (not being in Leak or Wrack) before the said Ship or Vessel was first Entred in the Custom-house of the said Port of C. or at, or in, or upon some other Place or Places, than upon the open Keys, Wharfs, Landing-places, or Slips of the said Port. \* For the Time limited, vid. Offences, 2. Page 85. and the Note thereon. † Vid. Goods, 2. Pa. 50.

A P P E N D I X.

as the Lord Lieutenant, Lord Deputy, or other Chief Governor and Privy Council of this Realm, for the time being, have therefore Assigned and Appointed, or at unlawful Hours or Times, or without the Cognizance, Knowledge, Privity, or Consent of such Officer or Officers as was aboard the said Ship or Vessel, attending the unlading thereof,\* or before due Entry and payment of the Excise due, and payable thereupon, contrary to the Form of the Statute, in that Case made and provided. And therefore the said A. B. prays the † Judgment of the aforesaid Sub-Commissioner, or Sub-Commissioners, that the said Goods may remain forfeited; ‡ one Moiety thereof to the Use of his said Majesty, and the other to the Informer, as by Law directed.

\* Vide Goods, 29. Pa. 50.

† Vide Commissioners of Excise, 10. Pa. 23.

‡ Vide Informers, 1. Pa. 62.

Underneath this Information enter this Rule.

IF no Persons claims the Property of the Goods in the above Information mentioned, within † 21 Days from the Date hereof,

† Vid. Seizures, 9. Pa. 111.

{ I } adjudge them forfeited and Recovered as by the Law is directed,

A. B. } Sub-Commissioners. C. D. }

After the Twenty one Days are expired, if no Claim be Entred, then Enter Judgment thus.

NO Person having laid Claim to the Goods in the above Information mentioned, within the time limited by the Act

of Excise { I } adjudge them Forfeited and Recovered, one

† Vid. Seizures, 11. Pa. 111.

Moiety thereof to the use of his Majesty, and the other to the Informer, ‡ and to be Sold by Inch of Candle, as by the Law is directed. Dated this

A. B. } Sub-Commissioners. C. D. }

But in Case of a Claim, this Rule is to be entred.

E. F. of came this Day before { Me } the Sub-Commissioners aforesaid, and laid Claim to the Goods in the above Information mentioned. { Us } E. F. Merchant.

A P P E N D I X.

I } the Sub-Commissioners aforesaid, do appoint { Monday } We } { Tuesday } the Day of next, at of the Clock in the { Fore } noon, at in this Port, for the { After } Hearing and Determining this Matter, of which all Persons concerned are to take Notice.

A. B. } Sub-Commissioners. C. D. }

Notwithstanding this Publication, it may not be amiss to give the Parties Notice by Summons, and upon their Appearance, to proceed to bear the Evidence.

The Form of the Summons.

\* YOU are hereby Summoned to appear before { me } Sub-Commissioner or Sub-Commissioners aforesaid, at { us } in upon the Day of at a Clock in the { Fore } noon, to make your Answer, and Defence, { After } to an Information Exhibited against you, at which Time, and Place { I } Sub-Commissioners will proceed to hearing of the { we } Cause, examination of Witnesses, and final Sentence

Sub-Summons ad se defendendum. but, Vid. infra, Pa. 16. \* Vid. Commissioners of Excise, 10. Pa. 23. Ibid, 13. Pa. 24.

L. M. being Sworn for the King, Depoeth, That, &c. I. K. Sworn, likewise for the King, Depoeth, That, &c.

At which time and place, the Plaintiff G. H. and also the Defendant E. F. appeared, and the Cause being heard before { me } Sub-Commissioner or Sub-Commissioners of Excise and Proof being made as afore-written, to justify the Information, { us } { I } do adjudge the Goods mentioned in the Information, to be Forfeited and Confiscated, one Moiety to our Sovereign Lord the King, and the other to the Informer.

Or do adjudge, That the Goods in the Information mentioned, are not Forfeited, and therefore are acquitted from the said Information.

A. B. } Sub-Commissioners. C. D. }

If the Sub-Commissioners do think the Case at any Time so Equitable or Commiserable, as to admit it to Composition, which is not to be done; but in small matters, (unless by Order of the † Chief Commissioners of his Majesty's Revenue) then the Informer and Claimer, to enter their Submission under the Information, thus,

† By Virtue of a remitting Clause in I, G. H. their Patent.

A P P E N D I X

I, G. H. do, for as much as concerns me in the Information above-written, submit the same to such Composition, as the Sub-Commissioners shall think fit to settle and appoint G. H.

And I, E. F. Claimer of the Goods (or Defendant to the Information above-written) do the same. E. F.

We do order and appoint that the aforesaid E, F. shall forthwith pay the Informer G. H. the Sum of and the like Sum to the hands of for his Majesty's Use, for the Offence aforesaid,

A. B. } Sub-Commissioners.  
C. D. }

An Information against an Owner, Master, Purser, or Persons taking Charge of a Ship.

BE it remembered, That upon the Day of in the Year of the Reign of our Sovereign Lord the King's Majesty that now is, A. B. came in his own proper Person before {me} Sub Commissioners and did then and there on the behalf of our Sovereign Lord the King, and himself, give {us} the said Sub-Commissioners to understand, and to be informed, That betwixt the Day of last past, and the Day of exhibiting this Information, G. H. being Owner, Master, Purser, or Person taking Charge of the Ship called the A. of arriving from Parts beyond the Seas, \* did suffer certain

\* Vide Masters, 2. Pa. 80.

Goods and Merchandizes (viz.) to be taken up or discharged out of the said Ship, (not being in Leak or Wrack) and to be delivered at, or in some other place or places than upon the open Key, Wharfs, Landing places or Slips of the said Port, as the Lord Lieutenant, Lord Deputy, or other Chief Governor, and Privy-Council of this Realm for the time being, have therefore Assigned and Appointed, or at unlawful Hours or Times, or without the Cognizance, Knowledge, Privity or Consent of such Officer or Officers, as was aboard the said Ship or Vessel, attending the Unlading thereof, or before due Entry or Payment of the Excise, due and payable thereupon, contrary to the Form of the Statute in that case made and provided, whereby the said G. H. hath forfeited One Hundred Pounds. And therefore the said A. B. prays the Judgment of the Sub-Commissioners aforesaid, against the said G. H. that he may forfeit One Hundred Pounds, one Moiety thereof to the King, and the other to himself, as by the Law is directed.

As

A P P E N D I X

An Information against an Owner, Master, Purser or Person taking Charge of a Ship, not suffering the Officers to do their Duty.

BE it Remembred, that upon the Day of in the Year of the Reign of our Sovereign Lord the King's Majesty that now is, A. B. came in his own proper Person before {me} Sub-Commissioners, and did then, and there, on the behalf of our Sovereign Lord the King and himself, give {us} the said Sub-Commissioners to understand, and to be informed, that betwixt the Day of last past, and the Day of Exhibiting this Information C. D. Being Master, Owner or Commander of the Ship or Vessel called the E. of coming from Parts beyond the Seas, did there and \* then refuse to \* Vide Masters 3. pa. 78. Ibid. 9. Pa. 80. permit or suffer certain Officers of his Majesty's Customs in the said Port of appointed for that purpose to make Search for Goods and Commodities Exciseable aboard the said E. of or to remain on board the said Ship or Vessel, according to their Duty, but on the contrary did forcibly hinder and oppose the said Officers so upon Duty and in Execution of their Office as aforesaid, contrary to the Form of the Statute, in that case made and provided, whereby the said C. D. hath forfeited Fifty Pounds, and therefore the said A. B. prays Judgment of the said Sub-Commissioners, that the said C. D. may forfeit the said Sum of Fifty Pounds, as by the Law is directed.

An Information against Mariners.

BE it Remembred that upon the Day of in the Year of the Reign of our Sovereign Lord the King's Majesty that now is, A. B. came in his own proper Person before {me} Sub-Commissioners, and did then and there on the behalf of our Sovereign Lord the King and himself give {us} to understand and to be informed, that betwixt the Day of last past, and the Day of Exhibiting this Information, I. F. and H. F. \* being Mariners, Seamen, or Persons employed aboard the Ship, or Vessel called the A. of arriving from Parts beyond the Seas, (whereof I. G. is Owner or Master, or so deputed) did consent and assist, or were present at the delivering of \* Vide Mariners. 2. Pa. 77.

(A a 4)

of certain Goods, (*viz.*) out of the said Ship (not being in Leak or Wrack) and to be delivered at, or in some other place, or places, than upon the open Key, Wharfs, Landing-places, or Slips of the said Port, as the Lord Lieutenant, Lord Deputy, or other Chief Governor and Privy Council of this Realm, for the time being, have therefore assign'd and appointed, or at unlawful Hours or Times, or without the Cognizance, Knowledge, Privity or Consent of such Officer or Officers, as was aboard the said Ship or Vessel attending the unlading thereof, or before due Entry or Payment of the Excise due and payable thereupon, contrary to the Form of the Statute in that case made and provided; whereby the said *I. F.* and *H. F.* have forfeited each of them \* Ten Pounds, and therefore the said *A. B.* prays the Judgment of the Sub-Commissioners aforesaid, against them the said *I. F.* and *H. F.* that they may forfeit Ten Pounds a piece accordingly, one Moiety thereof to the King, and the other to the Informer as by the Law is directed.

\* Vid. Ma-  
riners, 2.  
Pa. 77.

*An Information against an Owner, Master or Commander of any Coasting Ship or Vessel, that shall receive on Board, or Discharge, or Unship Exciseable Goods, contrary to Law; as also against Persons aiding, abetting, assisting, or knowing thereof.*

**B**E it remembred, That upon the Day of in the Year of the Reign of our Sovereign Lord the King's Majesty that now is, *A. B.* came in his own proper Person before  $\left\{ \begin{array}{l} me \\ us \end{array} \right\}$  Sub-Commissioners, and did then and there, on the behalf of our Sovereign Lord the King, and himself, give  $\left\{ \begin{array}{l} me \\ us \end{array} \right\}$  the said Sub-Commissioner or Sub-Commissioners to understand, and to be informed, That betwixt the Day of last past, and the Day of exhibiting this Information, *C. D.* being Owner, Master or Commander of a certain Ship, or Coasting Vessel, did in the Port of receive on Board, or discharge, or deliver on Shore, or into a certain Gabbard, Lighter or other Boat, to be carried on Shore, certain Exciseable Goods or Commodities, *viz.* (the said Ship or Coasting Vessel coming from the Port of in this Realm, and not being in Leak or Wrack) at unseasonable Hours or Times, or at, or in some other Place or Places, than upon the open Key, Wharfs, Landing places or

or Slips of the said Port, as the Lord Lieutenant, Lord Deputy or other chief Governor, and Privy-Council of this Realm for the time being, have therefore Assigned and Appointed, or without Licence first had, or without the Cognizance, Knowledge, Privity, or Consent of such Officer, or Officers, as were attending the lading or unlading of the said Ship, or Vessel, or before due Entry and Payment of the Excise due and payable thereupon. And further that *E. F. G. H.* and *I. K.* (being Mariners or Seamen) were aiding, abetting, assisting, or Persons knowing thereof, whereby the said *C. D.* \* as Owner, Master, or Commander of the said Ship or Vessel hath forfeited the Sum of Twenty Pounds, and the said *E. F. G. H.* and *I. K.* each of them the Sum of Five † Pounds, as being so aiding, abetting, assisting, or knowing thereof as aforesaid, and therefore the said *A. B.* prays Judgment of the Sub-Commissioner, or Sub-Commissioners aforesaid, against the said *C. D.* that he may forfeit accordingly the said Sum of Twenty Pounds; As also against the said *E. F. G. H.* and *I. K.* that they likewise may forfeit each of them the Sum of Five Pounds as aforesaid, one Moiety thereof to the King, and the other to himself, as by the Law is directed.

\* Vide Ma-  
sters, 11.  
Pa. 80.  
† Vid. Ma-  
riners, 3.  
Pa. 77.

Note, That the same manner of Proceedings will be requisite in the aforesaid Informations, and the same way of Summons to Persons concerned, as in the first Case, or Information is directed.

*An Information against a Boat, Gabbard or Wherry, &c. and Persons taking Charge of the same.*

**B**E it Remembred, That upon the Day of in the Year of the Reign of our Sovereign Lord the King's Majesty that now is, *A. B.* came in his own proper Person before  $\left\{ \begin{array}{l} me \\ us \end{array} \right\}$  Sub Commissioners and did then and there give  $\left\{ \begin{array}{l} me \\ us \end{array} \right\}$  to understand, and to be informed, That betwixt the Day of last past, and the Day of Exhibiting this Information, there was seized or found certain Goods, *viz.* in the Port of *D.* in a certain Gabbard, Lighter, Boat, Wherry, Skiff or other Vessel, whereof *N. T.* and *T. R.* were Persons having Charge; which Goods (belonging to some Person, or Persons unknown) were imported into this Kingdom

Kingdom from Parts beyond the Seas, and taken up, or discharged out of a certain Ship or Vessel, (not being in Leak or Wrack) and to be delivered at, or in some other Place or Places than upon the open Key, Wharfs, Landing places or Slips of the said Port, as the Lord Lieutenant, Lord Deputy or other Chief Governor and Privy Council of this Realm for the time being, have therefore assigned and appointed, or at unlawful Hours or Times, or without the Cognizance, Knowledge, Privity, or Consent of such Officer, or Officers, as was aboard attending the unlading of such Ship or Vessel, or before due Entry or Payment of the Excise, due and payable thereupon; or did carry the same aboard some other Ship or Vessel contrary to the Form of the Statute in that case made and provided. And therefore the said *A. B.* craves Judgment, \* that the said Gabbard, Lighter, Boat, Wherry, Skiff, or other Vessel may be forfeited, and that the said *N. T.* and *T. R.* may likewise forfeit each of them Ten Pounds a-piece, one Moiety thereof to our Sovereign Lord the King, and the other to himself as by the Law is directed.

\* Vid. Boatmen, 1. Pa. 10.

† Vide *The aforesaid Information will be fit for any Person assisting, Wharfinger, Carmen, and for Seizure of Horses.*  
Wharfingers, 1. Pa. 127,  
& Carmen, 1, 2. Pa. 18.

*An Information against Exciseable Goods, found hid or concealed aboard any Vessel Inwards, with Intent to be Landed or Carried away without due Entry and Payment of Duty.*

**B**E it remembered, That upon the Day of \_\_\_\_\_ in the \_\_\_\_\_ Year of the Reign of our Sovereign Lord the King's Majesty that now is, *A. B.* came before { <sup>me</sup> } Sub-Commissioners, on behalf of his Majesty and himself, and gave us to understand, That betwixt the Day of \_\_\_\_\_ last past, and the Day of Exhibiting this Information, he did seize the Goods following, *viz.* \_\_\_\_\_ for that the said Goods being Exciseable Goods were found on Board a Ship or Vessel, and there hid or concealed with intent to be carried away, without due Entry first had and made of the same, or payment of the Excise, due and payable thereupon, which is contrary to the Form of the Statute in that case made and provided, \* And therefore prays the Judgment of the said Sub-Commissioners, that the said Goods may remain forfeited, one Moiety to the King, and the other to the Informer, as by the Law is directed.

\* Vid. Goods, 25. Pa. 49. & Seizures, 3. Pa. 111.

*An*

*An Information against Exciseable Goods Entred under a wrong Denomination.*

**B**E it Remembered, That upon the Day of \_\_\_\_\_ in the \_\_\_\_\_ Year of the Reign of our Sovereign Lord the King's Majesty that now is, *A. B.* came before { <sup>me</sup> } Sub-Commissioners, on behalf of his Majesty and himself and gave us to understand, That betwixt the Day of \_\_\_\_\_ last past, and the Day of exhibiting this Information, he did seize the Goods following, *viz.* \_\_\_\_\_ For that the said Goods belonging to one *C. D.* Merchant entring the same, were Imported from Parts beyond the Seas, and by a Permit or Warrant, from one or more of the Officers of his Majesty's Customs in the said Port of \_\_\_\_\_ brought to that Custom-House, and there viewed. \* That the said *C. D.* did after such View made, enter the said Goods not according to their Quality, true Denomination and Kind as aforesaid. But on the contrary did enter the said Goods by another and wrong Denomination, and did not pay his Majesty's Duty, according to the true Quality and Denomination of the said Goods, thereby intending to defraud his Majesty of the Duty of Excise, or New Impost due thereupon. And therefore the said *A. B.* prays the Judgment of the Sub-Commissioners aforesaid, that the said Goods and their Value may remain forfeited, one Moiety to the Use of his said Majesty, and the other to the Informer as by the Law is directed.

\* Vid. Entries, 7. Pa. 32.

*The Proceedings upon this must be as upon the former Cases, by Summons, &c. and examining of Witnesses, to prove the Concealment and Intent of Fraud, &c.*

*In the Case of Brewers, Vintners, Inn-keepers, Ale-House-keepers, Distillers, or Retailers of Strong-Waters, or any Sort of Liquors, the like Proceeding is to be against Offenders by Information, Summons, Proof and Judgment, and due Record thereof kept by the Commissioners, Sub-Commissioners, &c. And for the several Cases, the Forms of Informations are to be as followeth, viz.*

Forms of I N F O R M A T I O N S.

*Against a Brewer, &c. for not Entering and Paying Weekly.*

*A. B. A* Ppearing before *C. D.* Sub-Commissioner, or Sub-Commissioners of Excise, &c. Informeth, as well on the behalf of our Sovereign Lord the King, as himself, that *E. F.* Common Brewer of Beer or Ale, (or Distiller of Aqua-vitæ, or Strong-Waters) betwixt the, &c. Day of, &c. hath Made, Brewed or Distilled several Quantities of Beer, Ale, and Strong Waters, whereof he hath not made due and true weekly Entry, nor paid Excise of the same, (or whereof having made due Entry, he hath not weekly paid Excise of the same) at the Office of Excise, under which he now liveth, but hath neglected, or refused to do the same, contrary to the Statute in that behalf, Made and Provided; || and therefore the said *A. B.* craveth Process, Judgment and Execution, against the said *E. F.* according as in and by the Statute in that behalf is directed and appointed.

|| Vide  
Brewers, 1.  
Pa. 12.

*Against a Brewer, &c. for Refusing the Gauger to Gauge.*

*A. B. A* Ppearing, &c. Informeth, &c. † that *E. F.* (Brewer or Distiller) did refuse to permit *G. H.* Gauger for the Excise appointed for that purpose, to Enter into his Brew house, Out-house, Store-house, or Stilling-house, when he demanded liberty to Gauge all Coppers, Fats, Keeves, or other Vessels in the same, and to take account of all Beer, Ale, Aqua-vitæ, or Strong-Waters, Brewed, Made or Distilled, and that the said *E. F.* being forbidden to carry or deliver out any Beer or Ale, (or retail any more  
Aqua-

Aqua-vitæ or Strong-Waters) did nevertheless since, that is to say, at or upon, &c. Day of, &c. deliver out, &c. Barrels of Ale or Beer, or retail, &c. Gallons of Aqua-vitæ or Strong-Waters, and therefore the said *A. B.* craveth Process, &c.

*Against a Brewer, &c. for biding and concealing his Drink or Strong-Waters from the Gauger.*

*A. B. A* Ppearing, &c. Informeth, &c. || That *E. F.* Brewer, or Distiller, having admitted *G. H.* Gauger for the Excise appointed for that purpose, to Enter into his Brew-house, Out-house, Still-house, and Store-house, to Gauge and take Account of his Beer, Ale, or Aqua-vitæ and Strong-Waters, did upon the, &c. Day of, &c. hide and conceal, &c. Barrels (or, &c. Gallons) of his Beer, Ale, Aqua-vitæ, or Strong-Waters, from the Gauge, View, or Sight of the said *G. H.* contrary to the Statute in that behalf made and provided; and also the said *E. F.* being forbidden to carry or deliver out any Beer or Ale, (or retail any Aqua-vitæ or Strong-Waters, did nevertheless since deliver out, &c. Barrels of Ale or Beer, (or Retail, &c. Gallons of Aqua-vitæ or Strong-Waters;) and therefore the said *A. B.* craveth Process, Judgment and Execution against the said *E. F.*

*Against a Brewer, &c. for making Use of a Private Tun.*

*A. B. A* Ppearing, &c. Informeth, &c. † That *E. F.* being a Common Brewer of Beer or Ale, (or Distiller of Aqua-vitæ, or Strong-Waters) hath, at, or upon the, &c. Day of, &c. made use of a Private Tun, Copper, Fat, Keeve, Still, Alimbeck or other Vessel, for the Making and Brewing of Ale or Beer, or Distilling of Aqua-vitæ or Strong-Waters, without acquainting or giving Notice thereof to the Gauger or Gaugers, or other Officer appointed to Gauge his Vessels, &c. and also the said *E. F.* being forbidden to carry or deliver out any Beer or Ale, (or Retail any Aqua-vitæ or Strong-Waters,) did nevertheless since deliver out, &c. Barrels of Ale or Beer, (or Retail, &c. Gallons of Aqua-vitæ or Strong-Waters) and therefore, the said *A. B.* craveth Process, Judgment and Execution, against the said *E. F.* &c.

*Against*

*Against a Vintner, Ale-house-keeper, &c. for Brewing his own Drink and Waters without entring into Bond.*

Vide Ale-  
House-  
keepers, 4.  
Pa. 4.  
**A. B.** Appearing, &c. Informeth, &c. \* That *E. F.* Vintner, Inn-keeper, Victualler Ale-House-keeper, &c. using Common Selling of Beer, Ale, Aqua-vitæ or Strong-Waters, by Retail hath Made, Brewed or Distilled his Beer, Ale, Aqua-vitæ or Strong-Waters, without Entering into Bond to our Sovereign Lord the King, with sufficient Sureties for the true Entry and Paying Weekly, or every fourteen Days, at the Office of Excise, under which he liveth, the Excise of all his Beer, Ale, Aqua-vitæ or Strong-Waters, contrary to the Statute in that behalf made, this being the first (or second or third) Offence of the said *E. F.* and therefore the said *A. B.* craveth Process, Judgment and Execution, &c.

*Against a Vintner, Victualler, Ale-House-keeper, &c. compounding, and Selling Drink by the Barrel, Half-Barrel, &c.*

\* Vid. Ale-  
House keep-  
ers, 6, & 7.  
Pa. 5.  
**A. B.** Appearing, Informeth, &c. That \* *E. F.* Vintner, Inn-keeper, Victualler, or Ale-House-keeper, having Compounded (or given Bond) for Entry and Payment of his Excise, doth nevertheless Vend or Dispose of his Beer or Ale to *J. K.* &c. by the Barrel, or Half-Barrel, Kilderkin, Ferkin or Gallon, for the Private Expence or Consumption otherwise of the said *J. K.* who hath made default of Payment of Double Excise of the same, according as by the Statute in that Case is required, and therefore the said *A. B.* craveth Process, Judgment and Execution, &c.

*Against one buying Drink from the Retailer, &c.*

\*. Vid. Ibid. **A. B.** Appearing, Informeth, &c. \* That *J. K.* of, &c. having betwixt the &c. Day of, &c. bought and received sundry Barrels, Half-Barrels, Kilderkins, Ferkins, or Gallons of Beer or Ale, for his private Expence or Consumption otherwise, of *E. F.* of, &c. Victualler, Inn-keeper, &c. who hath Compounded (or given Bond) for Entry and Payment of his Excise; and that the said *J. K.* hath made default of Payment of Double the Excise of the;

she, &c. Barrels, Half-Barrels, &c. as aforesaid, according as by the Statute in that Case is required, and therefore the said *A. B.* craveth, &c.

*Against a Victualler, &c. Brewing Part, and taking Part of his Drink from a Common Brewer, &c.*

**A. B.** Informeth, That \* *E. F.* &c. being a Vintner, Inn-keeper, \* Victualler, Ale-House-keeper, (or one selling Beer or Ale by Retail) doth not weekly Brew and Make his own Beer and Ale, but hath on, about, or betwixt the, &c. day of, &c. taken part thereof, that is to say, &c. Barrels of Beer or Ale, [according to the Quantity or Quality thereof,] from *R. R.* who is a Common Brewer of Beer and Ale, hath not paid Excise, and as if he had Brewed the same himself, according as by the Statute in that Case is required, therefore the said *A. B.* craveth Process, Judgment, &c.

*Before the proceeding and hearing and Judgment upon the Information, Notice ought to be given to the Persons informed against, and also two Witnesses, if it be necessary or Required: And if such Person and Witnesses do not appear, Oath is to be made thereof, by the Person Summoning, and that being Recorded, then proceed as directed.*

*The Form of a Summons to give Evidence.*

**Y**OU are to take Notice, that you are hereby Summoned Personally to appear before, &c. Commissioners (or Sub-commissioners) of Excise, at the Office of Excise in &c. upon the, &c. day of, &c. by, &c. of the Clock in the, &c. then and there to give Testimony on behalf of his Majesty upon an Information exhibited the, &c. day of, &c. against *E. F.* and hereof you not to fail, upon pain of forfeiting † Ten (or \* Twenty) Pounds or being Imprisoned, as by the Statute in that case is directed and appointed. Dated the, &c. day of

To *G. D.* †

† Vid. Commissioners of Excise, 10, Pa. 23.  
\* Vid. Commissioners of Excise, 13, 14, Pa. 24.



*A Summons to a Party to Defend himself.*

Summons  
ad se defen-  
dendum.

**Y**OU are hereby to take Notice, That you are Summon'd to appear in Person before, &c. Sub Commissioner (or Sub-Commissioners) of Excise, at the Office of Exciseat, in, &c. and upon the, &c. day of, &c. by, &c. of the Clock in the, &c. then, and there to make your Answer and Defence unto an Information exhibited against you, || and in case you shall wilfully neglect or refuse to appear at the Day, Time and Place aforesaid, or appearing, shall depart before you are called, you are hereby to take Notice, that the Sub-Commissioners (or Commissioners, &c.) will proceed to Hearing of the Cause and Examination of the Witnesses, and to Final Sentence, as if you had been present and Defended your self, according as by the Statute in that case is directed. Dated the      day of, &c.

To E. F.

|| Vid. Com-  
missioners of  
Excise, 10,  
13. Pa. 23.  
& 24.

*After full Hearing of the Cause, Judgment is to be Entered either for the King and the Informer, or for the Defendant, as the Proof shall make out; and the particular Offences and Penalties so adjudged, are to be expressed in the said Entry of Judgment; and accordingly, Warrants of Distress are to be Issued out in the Forms following, viz.*

*A Warrant of Distress to be Issued out against a Brewer, &c. after Judgment given against him, for not Entering and Paying weekly, &c.*

**Excise-Office.** **W**Hereas upon Proof made before me, C. D. Sub-Commissioner, or before us, &c. Sub-Commissioners of Excise, appointed for [recite the Places for which you have Commission to be Sub-Commissioner] Or thus,

Whereas upon Confession of E. F. made before me C. D. Sub-Commissioner (or us, &c. Sub-Commissioners, aforesaid) it appears, that E. F. of, &c. Brewer or Distiller, from the, &c. Day of, &c. hath made, Brewed or Distilled, Ten Barrels of Beer or Ale, (*expressing the Quantity*) or Ten Gallons of Aqua-vitæ or Strong-Waters, without weekly making due Entry, or Payment of the Excise for the same, at the Office of Excise under which he liveth, and in

in so doing, he hath according to the Statute for Excise, been adjudged by me C. D. Sub-Commissioner, (or us, &c. Sub-Commissioners of Excise, as aforesaid) † to have forfeited Twenty Pounds for his first, or Forty Pounds for his second, or Sixty Pounds for his third Week's neglect of Entering and Paying weekly, together with Double the Value of the Ten Barrels of Beer and Ale, Made and Brewed, (or Ten Gallons of Aqua-vitæ or Strong-Waters, Made and Distilled) without Entry and Payment as aforesaid, amounting to the Sum of, &c. [*expressing the Double Value of the Beer, Ale or Strong-Waters.*] These are therefore to authorize and require you, or either of you, \* to Distrain such, or so much of the Goods and Chattels of the said E. F. as may be sufficient to satisfy the Sum of &c. by him forfeited as aforesaid: || And all Sheriffs, Justices of the Peace, Mayors, Portriffs, Sovereigns, Constables and all other his Majesty's Officers, are hereby respectively prayed and required to be aiding and assisting unto you and either of you, in the due Execution hereof, according as the Statute for Excise requires. Dated the, &c. Day of, &c. in the Year of our Lord, &c. and in the, &c. Year of the Reign of our Sovereign King, &c.

To A. B. and P. Q. or either of them.

*Against a Brewer, &c. refusing the Gauger Entrance.*

**W**Hereas upon Proof made, &c. it appears, That E. F. Common Brewer, Vintner, Inn-keeper, Ale-House-keeper, or Distiller of Aqua-vitæ or Strong-Waters, did on the, &c. Day of, &c. † refuse to permit G. H. Gauger or Searcher for the Excise, duly authorized thereunto, to enter into his House, Brew-House, Out-House, Stores or Distilling-House, to Gauge, or take Account of his Brewing Vessels, Coppers, Fats, Keeves or Alimbecks, and of his Beer, Ale or Aqua-vitæ and Strong-Waters, Brewed, Made or Distilled: And altho' he was thereupon forbidden by the said G. H. to carry or deliver out any Beer or Ale, (or to Retail any more Beer, Ale, Aqua-vitæ or Strong-Waters) that he the said E. F. hath nevertheless since (that is to say, at or upon the, &c. Day of, &c.) carried or delivered out three Barrels of Beer or Ale, (or Retailed betwixt the, &c. Days of, &c. Barrels of Beer or Ale, or, &c. Gallons of Aqua-vitæ or Strong-Waters) and in so doing, hath, according to the Statute for Excise, been adjudged by, &c. § to have forfeited Fifty Pounds [*if he be a Common Brewer, or else Five Pounds if Victualler, Distiller, &c.*] besides Double the Value of the Barrels of Beer or Ale carried, or delivered out as aforesaid, (or of the, &c. Barrels of Beer, Ale, or &c. Gallons of Aqua-vitæ or Strong-Waters Retailed as aforesaid, *if he be a Victualler, Distiller, &c.*) amounting to the Sum of, &c. These

(B b)

† Vide  
Brewers, 1.  
Pa. 12.

\* Vide  
Brewers, 7.  
Pa. 13.

|| And all Sheriffs, Justices of the  
Commissioners of Ex-  
cise, 10, 11.  
Pa. 23.

§ Vide  
Justices of  
the Peace,  
1. Pa. 64.

† Vide  
Gaugers,  
1. Pa. 43.

§ Vide  
Ale-House  
keepers, 5.  
Pa. 4 & 5.

&c. These are therefore, &c. (*as in the first Warrant of Distress.*)

To A. B. &c.

*Against a Brewer, for using a Private Tun, &c.*

Whereas, &c. it appears, That E. F. &c. hath between, the, &c. Days of, &c. or at, or upon the, &c. Days of, &c. made use of a private Tun, Copper, Fat, Keeve, Still or Alimbeck, [*expressing the Vessel*] for the Making, Brewing or Distilling of his Beer, Ale or Aqua-vitæ and Strong-Waters, without acquainting or giving Notice thereof unto the Gauger, or Searcher appointed thereunto: And in so doing, hath, according to the Statute for Excise, been adjudg'd by, &c. \* to have forfeited the Sum of Twenty Pounds, [*if a common Brewer*] or Five Pounds, [*if any other*] These are therefore, &c. [*As in the preceding Warrants.*]

\* *Vide*  
Ale-House  
keepers, 5.  
Pa. 4. & 5.

To A. B. &c.

*Against one for Hiding or Concealing Drink.*

Whereas, &c. it appears, That, &c. E. F. &c. did on, &c. Day of, &c. hide or conceal, &c. Barrels of Beer, Ale, or, &c. Gallons of Aqua-vitæ or Strong-Waters, by him Made, Brewed or Distilled, from the Gauge, View or Sight of the Gauger, or Searcher, appointed to Gauge or take Account of the same; and in so doing, hath, according to the Statute for Excise, been adjudged, &c. || to have forfeited the Sum of Twenty Pounds, [*if a common Brewer*] or else Five Pounds, [*if any other*] these are therefore, &c. [*as before*]

|| *Vid. Ibid.*

To A. B. &c.

*Against a Vintner, Victualler, &c. for Brewing, without entering into Bond.*

Whereas, &c. it appears, That, &c. E. F. Vintner, Inn-keeper, &c. using Common Selling of Beer, Ale, Aqua-vitæ or Strong Waters by Retail, hath at or upon [*such or such a Day, or between such or such a Time*] Made, Brewed or Distilled &c. Barrels of Beer, Ale, or, &c. Gallons of Aqua-vitæ or Strong

Strong-Waters, without Entering into Bond to our Sovereign Lord the King, with sufficient Sureties for the true Entry and Payment of the Excise of the same, and in so doing, hath, according to the Statute for Excise, been adjudged by, &c. \* to have Forfeited the Sum of Twenty Shillings, (*this being his first Offence*) or the Sum of Forty Shillings, (*this being his second Offence*) or the Sum of Three Pounds, (*this being his third Offence.*) These are therefore, &c. [*as before.*]

To J. C. &c.

*Against one Compounding, &c. selling by the Barrel, &c.*

Whereas, &c. it appears, &c. That, &c. E. F. &c. having Compounded or given Bond for Entry and Payment of his Excise, did nevertheless at or upon the, &c. Day of, &c. Vend and dispose of, &c. Barrels, or Half-Barrels, Kilderkins, &c. of his Beer or Ale, unto I. K. &c. who hath made default of Paying Double the Excise thereof: And forasmuch as the said E. F. in so doing, hath, according to the Statute for Excise, been adjudged by, &c. † to have forfeited the Sum of Forty Shillings. These are therefore, &c.

† *Vid. Ale-*  
*house-keep-*  
*ers, 6. 7. p.*  
*5.*

To W. R. &c.

*Against one buying and receiving Beer, &c. by the Barrel from one Compounding, &c.*

Whereas, &c. it appears, &c. That I. K. hath at or upon the, &c. Day of, &c. bought or received, &c. Barrels, or Half-Barrels, Kilderkins, &c. of Beer, or Ale, of or from E. F. &c. who hath compounded, (or given Bond) for Payment of his Excise; and whereas the said I. K. making Default of Payment of Double the Excise of the, &c. Barrels, Half-Barrels, Kilderkins, &c. bought and received from E. F. as aforesaid, hath according to the Statute of Excise been adjudged by, &c. \* to have forfeited the Sum of Forty Shillings: These are therefore, &c.

\* *Vid. Ibid.*

To A. B. &c.

*Against one not wholly Brewing his Drink.*

Whereas, &c. it appears that, &c. E. F. being a Vintner, Inn-keeper, Victualler, Alehouse-keeper (or one selling Beer, or Ale, by Retail) doth not wholly Brew his own Beer, or Ale,

(B b 2)

Ale, but did at or upon, &c. Day of, &c. take part thereof (that is to say) Four Barrels of Beer, or Ale, of and from, &c. who is a Common Brewer; and whereas the said E. F. refusing or neglecting to pay or clear the Excise of the said Four Barrels of Beer, or Ale, as if he had brewed all and every part thereof himself, hath according to the Statute for Excise been ad-

† *Vid. Ale-house-keepers, 3. P. 4.* judged by, &c. † to have forfeited the Value of the said Four Barrels, &c. amounting to the Sum of, &c. These are therefore, &c.

To A. B. &c.

*Against one not appearing upon Summons, ad Testificandum.*

Whereas, &c. it appeareth, &c. That N. O. being duly summoned or warned personally to appear before me, (if there be no more than one Sub-Commissioner) or before us (if there be more) at the Office of Excise in, &c. upon the, &c. Day of, &c. by, &c. of the Clock in the, &c. then and there to give Testimony on behalf of his Majesty, upon an Information exhibited the, &c. Day of, &c. against E. F. &c. hath wilfully neglected or refused to appear; or else hath appeared, but refused to make Oath for Discovery of his Knowledge concerning the Matter in Question; or else hath appeared and made Oath, but refused to answer to such Questions or Interrogatories as were demanded of him, touching the Matter in Question, and in so doing hath according to the Statute for Excise, been adjudged by, &c. to have forfeited † Ten (or † Twenty Pounds): These are therefore, &c.

As before.

To A. B. &c.

† *Vid. Commissioners of Excise, 10. p. 23.*

‡ *Vid. Commissioners of Excise, 13. 14. p. 24.*

*The Form of a Warrant for Attaching a Person, and Carrying him to Prison for want of Distress to be had.*

Whereas, &c. it appeared, &c. That E. F. &c. Common Brewer, or Distiller, had from the, &c. Day of, &c. Made, Brewed or Distilled Ten Barrels of Beer, or Ale, or Ten Gallons of Aqua-vitæ or Strong-Waters, without weekly making due Entry or Payment of the Excise of the same, at the Office of Excise under which he liveth, and for so doing was according to the Statute for Excise on the, &c. Day of, &c. adjudged by me C. D. Sub-Commissioner (or us, &c. Sub-Commissioners) of Excise to have forfeited Twenty Pounds, this being his first weekly Neglect, or Forty Pounds, this being his second weekly Neglect, or Sixty Pounds, this being his third weekly Neglect, together with

with Double the Value of the Ten Barrels of Beer or Ale, Made and Brewed, or Ten Gallons of Aqua-vitæ or Strong-Waters, made or distilled, without Entry and Payment weekly as aforesaid, amounting in all to the Sum of, &c. and whereas Warrant of Distress hath since, that is to say, upon the, &c. Day of, &c. been issued for levying the Forfeiture or Forfeitures aforesaid; and whereas Proof hath been made before me C. D. Sub-Commissioner, or us, &c. Sub-Commissioners, that no such Distress can be had or obtained of the Goods or Chattels of the said E. F. as may be sufficient to satisfy the said Sum of, &c.

\* These are therefore, pursuant to the Statute aforesaid, to Authorize and Require you to Attach the Body of the said E. F. and the same, together with the Warrant given you for that Purpose, to deliver into the Custody of the Keeper or Goaler of, &c. Prison, his Deputy or Deputies; † and all Sheriffs, Justices of the Peace, † Mayors, Portriffs, Sovereigns, Constables, and all other his Majesty's Officers and Ministers, are hereby prayed and required to be aiding and assisting unto you or either of you, in the due Execution hereof. Given under our Hands and Seals this

Day of

Anno Dom.

To A. B. and C. D. &c.

*The Form of a Warrant of Commitment mentioned before, to be delivered together with the Body of the Party committed to Prison, and for the particular Case aforesaid, is, or may be as followeth, viz.*

Whereas, &c. it appeared, &c. That E. F. &c. Common Brewer or Distiller, had from the, &c. Day of, &c. Made, Brewed or Distilled Ten Barrels of Beer or Ale, or Ten Gallons of Aqua-vitæ or Strong-Waters, without making due Entry or Payment of the Excise of the same at the Office of Excise under which he liveth, and for so doing was according to the Statute for Excise on the, &c. Day of, &c. adjudged by me C. D. Sub-Commissioner (or us, &c. Sub-Commissioners) of Excise to have forfeited Twenty Pounds, this being his first weekly Neglect, or Forty Pounds, this being his second weekly Neglect, or Sixty Pounds, this being his third weekly Neglect, together with Double the Value of the Ten Barrels of Beer or Ale, or Ten Gallons of Aqua-vitæ or Strong-Waters, Made, Brewed or Distilled, without Entry and Payment weekly as aforesaid, amounting in all to the Sum of, &c. And whereas Warrant of Distress hath since, that is to say, upon the, &c. Day of, &c. been issued for levying the Forfeiture or Forfeitures aforesaid; and whereas Proof hath been made before me C. D. Sub-Commissioner,

or us, &c. Sub-Commissioners, that no such Distress can be had or obtained of the Goods or Chattels of the said E. F. as may be sufficient to satisfy the Sum of, &c. These are therefore, pursuant to the Act aforesaid, \* to Authorize and Require you to take into your Charge the Body of the said E. F. herewith sent unto you, and the same to keep in safe Custody, until he pay and satisfy the said Sum of, &c. without permitting him to escape out of your Custody, or go forth out of Prison without Warrant or Order in writing from me, (*if there be but one*) or from us (*if there be more Sub-Commissioners*) or until he be otherwise legally discharged, † upon pain of forfeiting Double the Value of the Sum aforesaid, as by the Statute for Excise is directed and appointed, and for so doing this shall be your sufficient Discharge, &c. Dated at the Office of Excise, &c.

\* Vid. Commissioners of Excise, 12. p. 24.

† Vid. Distresses, 5. p. 28.

To R. O. Keeper or Goaler of the Prison of, &c. his Deputy or Deputies.

*The like Warrants Mutatis Mutandis, are to be framed in all and every Case or Cases before-going, from the Preamble of your Warrants of Distress, according to the Nature and Quality of each particular Offence, with Addition only as you may perceive by the immediate preceding Attachments and Commitments, of mentioning Proof to have been made, that no sufficient Distress could be had to*

|| Vid. Commissioners of Excise, 10. 11. & 12. p. 23. & 24. *satisfy your Judgment given; || for as you cannot Imprison the Body of any Person where sufficient Distress may be had, so in want thereof, you cannot commit the Body of any Person without a Warrant, expressing the whole Matter or Cause of your Commitment, which, together with the Body, is to be delivered unto, and remain in the Keeping and Custody of the Keeper or Goaler, or his Deputy, of the Prison unto which such Body shall be committed.*

A TABLE

# A T A B L E

Shewing the

## Contents of CYLINDERS

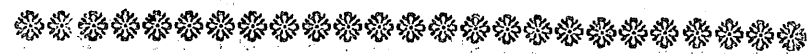
I N

# G A L L O N S

A N D

## Centesimal P A R T S,

From Ten to Forty five Inches Diameter :  
And from One to Thirty Inches deep.



OF THE  
**TABLE of CYLINDERS.**

**T**HE USE of the following Table is to shew the Content of any *Cylindrical Vessel* in Gallons, the Diameter and Depth being given.

*1 Example.*

Suppose the Diameter of a Cylinder to be 29.6, and the Depth 24 Inches, how many Gallons doth it contain?

At the Head of the Table, find the Diameter 29, and in the first Column 24 the Depth, against which, and under .6 the remaining Part of the Diameter, you have 75.91 Gallons, the Content of the Cylinder.

*2 Example.*

Suppose the Liquor in this Vessel was 19.8 Inches deep. Against 19 Inches you have \_\_\_\_\_ 60.09  
Against 8 Inches Deep you have 25.30, remove the Point one Place towards the Left Hand it will give } 2.53  
the Content at .8 Deep, *viz.* \_\_\_\_\_

Content at 19.8 Deep— 62.62  
*Note.*

If the Diameter of a Cylinder exceed 45 Inches, find it in the First Column of the *Table of Circles Areas*, and against the whole Inches of the Diameter, and under the Tenths, if any be, you have the Content at One Inch Deep; which multiplied by the Depth, gives the whole Content in Gallons and Parts.

*Note, The Area correspondent to the Semi-Diameter of any Circle is equal to  $\frac{1}{4}$  of the Area of the Whole Circle; therefore if the Diameter of a Circle be more than 140, and less than 280 Inches, find the Area answering to the Semi-Diameter thereof in the following Table, which multiplied by 4, gives the Area or Content upon an Inch of the Whole Circle.*

*The like may be observed in relation to the Table of the Areas of Squares.*

CYLINDERS

CYLINDERS in GALLONS.										
10 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.36	0.36	0.37	0.38	0.39	0.39	0.40	0.41	0.42	0.42
2	0.72	0.73	0.75	0.76	0.78	0.79	0.81	0.82	0.84	0.85
3	1.08	1.10	1.12	1.14	1.17	1.19	1.21	1.23	1.26	1.28
4	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71
5	1.80	1.84	1.87	1.91	1.95	1.99	2.03	2.06	2.10	2.14
6	2.16	2.20	2.25	2.29	2.34	2.38	2.43	2.47	2.52	2.57
7	2.52	2.57	2.62	2.68	2.73	2.78	2.84	2.89	2.94	3.00
8	2.88	2.94	3.00	3.06	3.12	3.18	3.24	3.30	3.36	3.43
9	3.24	3.31	3.37	3.44	3.51	3.58	3.65	3.71	3.78	3.86
10	3.61	3.68	3.75	3.83	3.90	3.98	4.06	4.13	4.21	4.29
11	3.97	4.04	4.12	4.21	4.29	4.37	4.46	4.54	4.63	4.71
12	4.33	4.41	4.50	4.59	4.68	4.77	4.87	4.95	5.05	5.14
13	4.69	4.78	4.87	4.97	5.07	5.17	5.27	5.36	5.47	5.57
14	5.05	5.15	5.25	5.36	5.46	5.57	5.68	5.78	5.89	6.00
15	5.41	5.52	5.62	5.74	5.85	5.97	6.09	6.19	6.31	6.43
16	5.77	5.88	6.00	6.12	6.24	6.36	6.49	6.60	6.73	6.86
17	6.13	6.25	6.37	6.51	6.63	6.76	6.90	7.02	7.15	7.29
18	6.49	6.62	6.75	6.89	7.02	7.16	7.30	7.43	7.57	7.72
19	6.85	6.99	7.12	7.27	7.41	7.56	7.71	7.84	7.99	8.15
20	7.22	7.36	7.50	7.66	7.80	7.96	8.12	8.26	8.42	8.58
21	7.58	7.72	7.87	8.04	8.19	8.35	8.52	8.67	8.84	9.00
22	7.94	8.09	8.24	8.42	8.58	8.75	8.93	9.08	9.26	9.43
23	8.30	8.46	8.62	8.89	8.97	9.15	9.33	9.49	9.68	9.86
24	8.66	8.83	9.03	9.19	9.36	9.55	9.74	9.91	10.10	10.29
25	9.02	9.20	9.37	9.57	9.75	9.95	10.15	10.32	10.52	10.72
26	9.38	9.56	9.75	9.95	10.14	10.34	10.55	10.75	10.94	11.15
27	9.74	9.93	10.12	10.34	10.53	10.74	10.96	11.15	11.36	11.58
28	10.10	10.30	10.50	10.72	10.92	11.14	11.36	11.56	11.78	12.01
29	10.46	10.67	10.87	11.10	11.31	11.54	11.77	11.97	12.20	12.44
30	10.83	11.04	11.25	11.49	11.70	11.94	12.18	12.39	12.63	12.87

CYLINDERS

CYLINDERS in GALLONS.										
11 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.51
2	0.87	0.89	0.90	0.92	0.93	0.95	0.97	0.98	1.00	1.02
3	1.31	1.33	1.35	1.38	1.40	1.43	1.45	1.48	1.50	1.53
4	1.74	1.78	1.81	1.84	1.87	1.90	1.94	1.97	2.00	2.04
5	2.18	2.22	2.26	2.30	2.34	2.38	2.42	2.47	2.51	2.55
6	2.62	2.67	2.71	2.76	2.81	2.86	2.91	2.96	3.01	3.06
7	3.05	3.11	3.17	3.22	3.28	3.33	3.39	3.45	3.51	3.57
8	3.49	3.56	3.62	3.68	3.75	3.81	3.88	3.95	4.01	4.08
9	3.93	4.00	4.07	4.14	4.22	4.29	4.36	4.44	4.51	4.59
10	4.37	4.45	4.53	4.61	4.69	4.77	4.85	4.94	5.02	5.11
11	4.80	4.89	4.98	5.07	5.15	5.24	5.33	5.43	5.52	5.62
12	5.24	5.34	5.43	5.53	5.62	5.72	5.82	5.92	6.02	6.13
13	5.68	5.78	5.88	5.99	6.09	6.20	6.30	6.42	6.52	6.64
14	6.11	6.23	6.34	6.45	6.56	6.67	6.79	6.91	7.02	7.15
15	6.55	6.67	6.79	6.91	7.03	7.15	7.27	7.41	7.53	7.66
16	6.99	7.12	7.24	7.37	7.50	7.63	7.76	7.90	8.03	8.17
17	7.42	7.56	7.70	7.83	7.97	8.10	8.24	8.39	8.53	8.68
18	7.86	8.01	8.15	8.29	8.44	8.58	8.73	8.89	9.03	9.19
19	8.30	8.45	8.60	8.75	8.91	9.06	9.21	9.38	9.53	9.70
20	8.74	8.90	9.06	9.22	9.38	9.54	9.70	9.88	10.04	10.22
21	9.17	9.34	9.51	9.68	9.84	10.01	10.18	10.37	10.54	10.73
22	9.61	9.79	9.96	10.14	10.31	10.49	10.67	10.86	11.04	11.24
23	10.05	10.23	10.41	10.60	10.78	10.97	11.15	11.36	11.54	11.75
24	10.48	10.68	10.87	11.06	11.25	11.44	11.64	11.85	12.04	12.26
25	10.92	11.12	11.32	11.52	11.72	11.92	12.12	12.35	12.55	12.77
26	11.36	11.57	11.77	11.98	12.19	12.40	12.61	12.84	13.05	13.28
27	11.79	12.01	12.23	12.44	12.66	12.87	13.09	13.33	13.55	13.79
28	12.23	12.46	12.68	12.90	13.13	13.35	13.58	13.83	14.05	14.30
29	12.67	12.90	13.13	13.36	13.60	13.83	14.06	14.32	14.55	14.81
30	13.11	13.35	13.59	13.83	14.07	14.31	14.55	14.82	15.06	15.33

CYLINDERS

CYLINDERS in GALLONS.										
12 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.52	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60
2	1.04	1.05	1.07	1.09	1.11	1.12	1.14	1.16	1.18	1.20
3	1.56	1.58	1.61	1.63	1.66	1.69	1.71	1.74	1.77	1.80
4	2.08	2.11	2.14	2.18	2.22	2.25	2.29	2.32	2.36	2.40
5	2.60	2.64	2.68	2.73	2.77	2.82	2.86	2.91	2.95	3.00
6	3.12	3.16	3.22	3.27	3.33	3.38	3.43	3.49	3.54	3.60
7	3.64	3.69	3.75	3.82	3.88	3.94	4.01	4.07	4.13	4.20
8	4.16	4.22	4.29	4.36	4.44	4.51	4.58	4.65	4.72	4.80
9	4.68	4.75	4.83	4.91	4.99	5.07	5.15	5.23	5.31	5.40
10	5.20	5.28	5.37	5.46	5.55	5.64	5.73	5.82	5.91	6.00
11	5.72	5.80	5.90	6.00	6.10	6.20	6.30	6.40	6.50	6.60
12	6.24	6.33	6.44	6.55	6.66	6.76	6.87	6.98	7.09	7.20
13	6.76	6.86	6.98	7.09	7.21	7.33	7.44	7.56	7.68	7.80
14	7.28	7.39	7.51	7.64	7.77	7.89	8.02	8.14	8.27	8.40
15	7.80	7.92	8.05	8.19	8.32	8.46	8.59	8.73	8.86	9.00
16	8.32	8.44	8.59	8.73	8.88	9.02	9.16	9.31	9.45	9.60
17	8.84	8.97	9.12	9.28	9.43	9.58	9.74	9.89	10.04	10.20
18	9.36	9.50	9.66	9.82	9.99	10.15	10.31	10.47	10.63	10.80
19	9.88	10.03	10.20	10.37	10.54	10.71	10.88	11.05	11.22	11.40
20	10.40	10.56	10.74	10.92	11.10	11.28	11.46	11.64	11.82	12.00
21	10.92	11.08	11.27	11.46	11.65	11.84	12.03	12.22	12.41	12.60
22	11.44	11.61	11.81	12.01	12.21	12.40	12.60	12.80	13.00	13.20
23	11.96	12.14	12.35	12.55	12.76	12.97	13.17	13.38	13.59	13.80
24	12.48	12.67	12.88	13.10	13.32	13.53	13.75	13.96	14.18	14.40
25	13.00	13.20	13.42	13.65	13.87	14.10	14.32	14.55	14.77	15.00
26	13.52	13.72	13.96	14.19	14.43	14.66	14.89	15.13	15.36	15.60
27	14.04	14.25	14.49	14.74	14.98	15.22	15.47	15.71	15.95	16.20
28	14.56	14.78	15.03	15.28	15.54	15.78	16.04	16.29	16.54	16.80
29	15.08	15.31	15.57	15.83	16.09	16.35	16.61	16.87	17.13	17.40
30	15.60	15.84	16.11	16.38	16.65	16.92	17.19	17.46	17.73	18.00

CYLINDERS

CYLINDERS in GALLONS.										
13 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.61	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69
2	1.22	1.23	1.25	1.27	1.29	1.31	1.33	1.35	1.37	1.39
3	1.83	1.85	1.88	1.91	1.94	1.97	2.00	2.03	2.06	2.09
4	2.44	2.47	2.51	2.55	2.59	2.63	2.67	2.70	2.74	2.78
5	3.05	3.09	3.14	3.19	3.24	3.29	3.34	3.38	3.43	3.48
6	3.66	3.71	3.77	3.82	3.88	3.94	4.00	4.06	4.12	4.18
7	4.27	4.33	4.40	4.46	4.53	4.60	4.67	4.73	4.80	4.87
8	4.88	4.95	5.03	5.10	5.18	5.26	5.34	5.41	5.49	5.57
9	5.49	5.57	5.66	5.74	5.83	5.92	6.01	6.09	6.18	6.27
10	6.10	6.19	6.29	6.38	6.48	6.58	6.68	6.77	6.87	6.97
11	6.71	6.80	6.91	7.01	7.12	7.23	7.34	7.44	7.55	7.66
12	7.32	7.42	7.54	7.65	7.77	7.89	8.01	8.12	8.24	8.36
13	7.93	8.04	8.17	8.29	8.42	8.55	8.68	8.80	8.93	9.06
14	8.54	8.66	8.80	8.93	9.07	9.21	9.35	9.47	9.61	9.75
15	9.15	9.28	9.43	9.57	9.72	9.87	10.02	10.15	10.30	10.45
16	9.76	9.90	10.06	10.20	10.36	10.52	10.68	10.83	10.99	11.15
17	10.37	10.52	10.69	10.84	11.01	11.18	11.35	11.50	11.67	11.84
18	10.98	11.14	11.32	11.48	11.66	11.84	12.02	12.18	12.36	12.54
19	11.59	11.76	11.95	12.12	12.31	12.50	12.69	12.86	13.05	13.24
20	12.20	12.38	12.58	12.76	12.96	13.16	13.36	13.54	13.74	13.94
21	12.81	12.99	13.20	13.39	13.60	13.81	14.02	14.21	14.42	14.63
22	13.42	13.61	13.83	14.03	14.25	14.47	14.69	14.89	15.11	15.33
23	14.03	14.23	14.46	14.67	14.90	15.13	15.36	15.57	15.80	16.03
24	14.64	14.85	15.09	15.31	15.55	15.79	16.03	16.24	16.48	16.72
25	15.25	15.47	15.72	15.95	16.20	16.45	16.70	16.92	17.17	17.42
26	15.86	16.09	16.35	16.58	16.84	17.10	17.36	17.60	17.86	18.12
27	16.47	16.71	16.98	17.22	17.49	17.76	18.03	18.27	18.54	18.81
28	17.08	17.33	17.61	17.86	18.14	18.42	18.70	18.95	19.23	19.51
29	17.69	17.95	18.24	18.50	18.79	19.08	19.37	19.63	19.92	20.21
30	18.30	18.57	18.87	19.14	19.44	19.74	20.04	20.31	20.61	20.91

CYLINDERS

CYLINDERS in GALLONS.										
14 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.78	0.79	0.80
2	1.41	1.43	1.45	1.47	1.49	1.51	1.53	1.56	1.58	1.60
3	2.12	2.15	2.18	2.21	2.24	2.27	2.30	2.34	2.37	2.40
4	2.82	2.86	2.61	2.95	2.99	3.03	3.07	3.12	3.16	3.20
5	3.53	3.58	3.64	3.69	3.74	3.79	3.84	3.90	3.95	4.00
6	4.24	4.30	4.36	4.42	4.48	4.55	4.61	4.68	4.74	4.80
7	4.94	5.01	5.09	5.16	5.23	5.31	5.38	5.46	5.53	5.60
8	5.65	5.73	5.82	5.90	5.98	6.07	6.15	6.24	6.32	6.40
9	6.36	6.45	6.55	6.64	6.73	6.83	6.92	7.02	7.11	7.20
10	7.07	7.17	7.28	7.38	7.48	7.59	7.69	7.80	7.91	8.01
11	7.77	7.88	8.00	8.11	8.22	8.34	8.45	8.58	8.70	8.81
12	8.48	8.60	8.73	8.85	8.97	9.10	9.22	9.36	9.49	9.61
13	9.19	9.32	9.46	9.59	9.72	9.86	9.99	10.14	10.28	10.41
14	9.89	10.03	10.19	10.33	10.47	10.62	10.76	10.92	11.07	11.21
15	10.60	10.75	10.92	11.07	11.22	11.38	11.53	11.70	11.86	12.01
16	11.31	11.47	11.64	11.80	11.96	12.14	12.30	12.48	12.65	12.81
17	12.01	12.18	12.37	12.54	12.71	12.90	13.07	13.26	13.44	13.61
18	12.72	12.90	13.10	13.28	13.46	13.66	13.84	14.04	14.23	14.41
19	13.43	13.62	13.83	14.02	14.21	14.42	14.61	14.82	15.02	15.21
20	14.14	14.34	14.56	14.76	14.96	15.18	15.38	15.60	15.82	16.02
21	14.84	15.05	15.28	15.49	15.70	15.93	16.14	16.38	16.61	16.82
22	15.55	15.77	16.01	16.23	16.45	16.69	16.91	17.16	17.40	17.62
23	16.26	16.49	16.74	16.97	17.20	17.45	17.68	17.94	18.19	18.42
24	16.96	17.20	17.47	17.71	17.95	18.21	18.45	18.72	18.98	19.22
25	17.67	17.92	18.20	18.45	18.70	18.97	19.22	19.50	19.77	20.02
26	18.38	18.64	18.92	19.18	19.44	19.73	19.99	20.28	20.56	20.82
27	19.08	19.35	19.65	19.92	20.19	20.49	20.76	21.06	21.35	21.62
28	19.79	20.07	20.38	20.66	20.94	21.25	21.53	21.84	22.14	22.42
29	20.50	20.79	21.11	21.40	21.69	22.01	22.30	22.62	22.93	23.22
30	21.21	21.51	21.84	22.14	22.44	22.77	23.07	23.40	23.73	24.03

CYLINDERS

CYLINDERS in GALLONS.										
15 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.89	0.90	0.91
2	1.62	1.64	1.66	1.69	1.71	1.73	1.75	1.78	1.80	1.82
3	2.43	2.46	2.50	2.53	2.56	2.60	2.63	2.67	2.70	2.73
4	3.24	3.29	3.33	3.38	3.42	3.46	3.51	3.56	3.60	3.64
5	4.06	4.11	4.17	4.22	4.28	4.33	4.39	4.45	4.50	4.56
6	4.87	4.93	5.00	5.07	5.13	5.20	5.26	5.34	5.40	5.47
7	5.68	5.76	5.83	5.91	5.99	6.06	6.14	6.23	6.30	6.38
8	6.49	6.58	6.67	6.76	6.84	6.93	7.02	7.12	7.20	7.29
9	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.01	8.10	8.20
10	8.12	8.23	8.34	8.45	8.56	8.67	8.78	8.90	9.01	9.12
11	8.93	9.05	9.17	9.29	9.41	9.53	9.65	9.79	9.91	10.03
12	9.74	9.87	10.00	10.14	10.27	10.40	10.53	10.68	10.81	10.94
13	10.55	10.69	10.84	10.98	11.12	11.27	11.41	11.57	11.71	11.85
14	11.36	11.52	11.67	11.83	11.98	12.13	12.29	12.46	12.61	12.76
15	12.18	12.34	12.51	12.67	12.84	13.00	13.17	13.35	13.51	13.68
16	12.99	13.16	13.34	13.52	13.69	13.87	14.04	14.24	14.41	14.59
17	13.80	13.99	14.17	14.36	14.55	14.73	14.92	15.13	15.31	15.50
18	14.61	14.81	15.01	15.21	15.40	15.60	15.80	16.02	16.21	16.41
19	15.42	15.63	15.84	16.05	16.26	16.47	16.68	16.91	17.11	17.32
20	16.24	16.46	16.68	16.90	17.12	17.34	17.56	17.80	18.02	18.24
21	17.05	17.28	17.51	17.74	17.97	18.20	18.43	18.69	18.92	19.15
22	17.86	18.10	18.34	18.59	18.83	19.07	19.31	19.58	19.82	20.06
23	18.67	18.92	19.18	19.43	19.68	19.94	20.19	20.47	20.72	20.97
24	19.48	19.75	20.01	20.28	20.54	20.80	21.07	21.36	21.62	21.88
25	20.30	20.57	20.85	21.12	21.40	21.67	21.95	22.25	22.52	22.80
26	21.11	21.39	21.68	21.97	22.25	22.54	22.82	23.14	23.42	23.71
27	21.92	22.22	22.51	22.81	23.11	23.40	23.70	24.03	24.32	24.62
28	22.73	23.04	23.35	23.66	23.96	24.27	24.58	24.92	25.22	25.53
29	23.54	23.86	24.18	24.50	24.82	25.14	25.46	25.81	26.12	26.44
30	24.36	24.69	25.02	25.35	25.68	26.01	26.34	26.70	27.03	27.36

CYLINDERS

CYLINDERS in GALLONS.										
16 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	0.92	0.93	0.94	0.95	0.97	0.98	0.99	1.00	1.01	1.03
2	1.84	1.87	1.89	1.91	1.94	1.96	1.99	2.01	2.03	2.06
3	2.77	2.80	2.84	2.87	2.91	2.94	2.98	3.02	3.05	3.09
4	3.69	3.74	3.78	3.83	3.88	3.93	3.98	4.02	4.07	4.12
5	4.62	4.67	4.73	4.79	4.85	4.91	4.97	5.03	5.09	5.15
6	5.54	5.61	5.68	5.75	5.82	5.89	5.97	6.04	6.11	6.18
7	6.46	6.54	6.62	6.71	6.79	6.88	6.96	7.04	7.13	7.21
8	7.39	7.48	7.57	7.67	7.76	7.86	7.96	8.05	8.15	8.24
9	8.31	8.41	8.52	8.63	8.73	8.84	8.95	9.05	9.17	9.27
10	9.24	9.35	9.47	9.59	9.71	9.83	9.95	10.07	10.19	10.31
11	10.16	10.28	10.41	10.54	10.68	10.81	10.94	11.07	11.20	11.34
12	11.08	11.22	11.36	11.50	11.65	11.79	11.94	12.08	12.22	12.37
13	12.01	12.15	12.31	12.46	12.62	12.77	12.93	13.09	13.24	13.40
14	12.93	13.09	13.25	13.42	13.59	13.76	13.93	14.09	14.26	14.43
15	13.86	14.02	14.20	14.38	14.56	14.74	14.92	15.10	15.28	15.46
16	14.78	14.96	15.15	15.34	15.53	15.72	15.92	16.11	16.30	16.49
17	15.70	15.89	16.09	16.30	16.50	16.71	16.91	17.11	17.32	17.52
18	16.63	16.83	17.04	17.26	17.47	17.69	17.91	18.12	18.34	18.55
19	17.55	17.76	17.99	18.22	18.44	18.67	18.90	19.13	19.36	19.58
20	18.48	18.70	18.94	19.18	19.42	19.66	19.90	20.14	20.38	20.62
21	19.40	19.63	19.88	20.13	20.39	20.64	20.89	21.14	21.39	21.65
22	20.32	20.57	20.83	21.09	21.36	21.62	21.89	22.15	22.41	22.68
23	21.25	21.50	21.78	22.05	22.33	22.60	22.88	23.16	23.43	23.71
24	22.17	22.44	22.72	23.01	23.30	23.59	23.88	24.16	24.45	24.74
25	23.10	23.37	23.67	23.97	24.27	24.57	24.87	25.17	25.47	25.77
26	24.02	24.31	24.62	24.93	25.24	25.55	25.87	26.18	26.49	26.80
27	24.94	25.24	25.56	25.89	26.21	26.54	26.86	27.18	27.51	27.83
28	25.87	26.18	26.51	26.85	27.18	27.52	27.86	28.19	28.53	28.86
29	26.79	27.11	27.46	27.81	28.15	28.50	28.85	29.20	29.55	29.89
30	27.72	28.05	28.41	28.77	29.13	29.49	29.85	30.21	30.57	30.93

CYLINDERS



CYLINDERS in GALLONS.										
17 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.04	1.05	1.06	1.08	1.09	1.10	1.11	1.13	1.14	1.15
2	2.08	2.11	2.13	2.16	2.18	2.21	2.23	2.26	2.28	2.31
3	3.12	3.16	3.20	3.24	3.27	3.31	3.35	3.39	3.42	3.46
4	4.17	4.22	4.27	4.32	4.37	4.42	4.47	4.52	4.57	4.62
5	5.21	5.27	5.34	5.40	5.46	5.52	5.59	5.65	5.71	5.78
6	6.25	6.33	6.40	6.48	6.55	6.63	6.70	6.78	6.85	6.93
7	7.30	7.38	7.47	7.56	7.65	7.73	7.82	7.91	8.00	8.09
8	8.34	8.44	8.54	8.64	8.74	8.84	8.94	9.04	9.14	9.24
9	9.38	9.49	9.61	9.72	9.83	9.94	10.06	10.17	10.28	10.40
10	10.43	10.55	10.68	10.80	10.93	11.05	11.18	11.31	11.43	11.56
11	11.47	11.60	11.74	11.88	12.02	12.15	12.29	12.44	12.57	12.71
12	12.51	12.66	12.81	12.96	13.11	13.26	13.41	13.57	13.71	13.87
13	13.55	13.71	13.88	14.04	14.20	14.36	14.53	14.70	14.85	15.02
14	14.60	14.77	14.95	15.12	15.30	15.47	15.65	15.83	16.00	16.18
15	15.64	15.82	16.02	16.20	16.39	16.57	16.77	16.96	17.14	17.34
16	16.68	16.88	17.08	17.28	17.48	17.68	17.88	18.09	18.28	18.49
17	17.73	17.93	18.15	18.36	18.58	18.78	19.00	19.22	19.43	19.65
18	18.77	18.99	19.22	19.44	19.67	19.89	20.12	20.35	20.57	20.80
19	19.81	20.04	20.29	20.52	20.76	20.99	21.24	21.48	21.71	21.96
20	20.86	21.10	21.36	21.60	21.86	22.10	22.36	22.62	22.86	23.12
21	21.90	22.15	22.42	22.68	22.95	23.20	23.47	23.75	24.00	24.27
22	22.94	23.21	23.49	23.76	24.04	24.31	24.59	24.88	25.14	25.43
23	23.98	24.26	24.56	24.84	25.13	25.41	25.71	26.01	26.28	26.58
24	25.03	25.32	25.63	25.92	26.23	26.52	26.83	27.14	27.43	27.74
25	26.07	26.37	26.70	27.00	27.32	27.62	27.95	28.27	28.57	28.90
26	27.11	27.43	27.76	28.08	28.41	28.73	29.06	29.40	29.71	30.05
27	28.16	28.48	28.83	29.16	29.51	29.83	30.18	30.53	30.86	31.21
28	29.20	29.54	29.90	30.24	30.60	30.94	31.30	31.66	32.00	32.36
29	30.24	30.59	30.97	31.32	31.69	32.04	32.42	32.79	33.14	33.52
30	31.29	31.65	32.04	32.40	32.79	33.15	33.54	33.93	34.29	34.68

CYLINDERS

CYLINDERS in GALLONS.										
18 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.16	1.18	1.19	1.20	1.22	1.23	1.24	1.26	1.27	1.28
2	2.33	2.36	2.39	2.41	2.44	2.47	2.49	2.52	2.55	2.57
3	3.50	3.54	3.58	3.62	3.66	3.70	3.74	3.78	3.82	3.86
4	4.67	4.72	4.78	4.83	4.88	4.94	4.99	5.04	5.10	5.15
5	5.84	5.91	5.97	6.04	6.11	6.17	6.24	6.31	6.38	6.44
6	7.01	7.09	7.17	7.25	7.33	7.41	7.49	7.57	7.65	7.73
7	8.18	8.27	8.36	8.46	8.55	8.64	8.74	8.83	8.93	9.02
8	9.35	9.45	9.56	9.67	9.77	9.88	9.99	10.09	10.20	10.31
9	10.52	10.63	10.75	10.88	10.99	11.11	11.24	11.35	11.48	11.60
10	11.69	11.82	11.95	12.09	12.22	12.35	12.49	12.62	12.76	12.89
11	12.85	13.00	13.14	13.29	13.44	13.58	13.73	13.88	14.03	14.17
12	14.02	14.18	14.34	14.50	14.66	14.82	14.98	15.14	15.31	15.46
13	15.19	15.36	15.53	15.71	15.88	16.05	16.23	16.40	16.58	16.75
14	16.36	16.54	16.73	16.92	17.10	17.29	17.48	17.66	17.86	18.04
15	17.53	17.73	17.92	18.13	18.33	18.52	18.73	18.93	19.14	19.33
16	18.70	18.91	19.12	19.34	19.55	19.76	19.98	20.19	20.41	20.62
17	19.87	20.09	20.31	20.55	20.77	20.99	21.23	21.45	21.69	21.91
18	21.04	21.27	21.51	21.76	21.99	22.23	22.48	22.71	22.96	23.20
19	22.21	22.45	22.70	22.97	23.21	23.46	23.73	23.97	24.24	24.49
20	23.38	23.64	23.90	24.18	24.44	24.70	24.98	25.24	25.52	25.78
21	24.54	24.82	25.09	25.38	25.66	25.93	26.22	26.50	26.79	27.06
22	25.71	26.00	26.29	26.59	26.88	27.17	27.47	27.76	28.07	28.35
23	26.88	27.18	27.48	27.80	28.10	28.40	28.72	29.02	29.34	29.64
24	28.05	28.36	28.68	29.01	29.32	29.64	29.97	30.28	30.62	30.93
25	29.22	29.55	29.87	30.22	30.55	30.87	31.22	31.55	31.90	32.22
26	30.39	30.73	31.07	31.43	31.77	32.11	32.47	32.81	33.17	33.51
27	31.56	31.91	32.26	32.64	32.99	33.34	33.72	34.07	34.45	34.80
28	32.73	33.09	33.46	33.85	34.21	34.58	34.97	35.33	35.72	36.09
29	33.90	34.27	34.65	35.06	35.43	35.81	36.22	36.59	37.00	37.38
30	35.07	35.46	35.85	36.27	36.66	37.05	37.47	37.86	38.28	38.67

(C c)

CYLINDERS

A P P E N D I X.

CYLINDERS in GALLONS.

19 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.30	1.31	1.33	1.34	1.35	1.37	1.38	1.40	1.41	1.42
2	2.60	2.63	2.66	2.68	2.71	2.74	2.77	2.80	2.83	2.85
3	3.90	3.95	3.99	4.03	4.07	4.11	4.15	4.20	4.24	4.28
4	5.21	5.26	5.32	5.37	5.43	5.48	5.54	5.60	5.66	5.71
5	6.51	6.58	6.65	6.72	6.79	6.86	6.93	7.00	7.07	7.14
6	7.81	7.90	7.98	8.06	8.14	8.23	8.31	8.40	8.49	8.57
7	9.12	9.21	9.31	9.40	9.50	9.60	9.70	9.80	9.90	10.00
8	10.42	10.53	10.64	10.75	10.86	10.97	11.08	11.20	11.32	11.43
9	11.72	11.85	11.97	12.09	12.22	12.34	12.47	12.60	12.73	12.86
10	13.03	13.17	13.30	13.44	13.58	13.72	13.86	14.01	14.15	14.29
11	14.33	14.48	14.63	14.78	14.93	15.09	15.24	15.41	15.56	15.71
12	15.63	15.80	15.96	16.12	16.29	16.46	16.63	16.81	16.98	17.14
13	16.93	17.12	17.29	17.47	17.65	17.83	18.01	18.21	18.39	18.57
14	18.24	18.43	18.62	18.81	19.01	19.20	19.40	19.61	19.81	20.00
15	19.54	19.75	19.95	20.16	20.37	20.58	20.79	21.01	21.22	21.43
16	20.84	21.07	21.28	21.50	21.72	21.95	22.17	22.41	22.64	22.86
17	22.15	22.38	22.61	22.84	23.08	23.32	23.56	23.81	24.05	24.29
18	23.45	23.70	23.94	24.19	24.44	24.69	24.94	25.21	25.47	25.72
19	24.75	25.02	25.27	25.53	25.80	26.06	26.33	26.61	26.88	27.15
20	26.06	26.34	26.60	26.88	27.16	27.44	27.72	28.02	28.30	28.58
21	27.36	27.65	27.93	28.22	28.51	28.81	29.10	29.42	29.71	30.00
22	28.66	28.97	29.26	29.56	29.87	30.18	30.49	30.82	31.13	31.43
23	29.96	30.29	30.59	30.91	31.23	31.55	31.87	32.22	32.54	32.86
24	31.27	31.60	31.92	32.25	32.59	32.92	33.26	33.62	33.96	34.29
25	32.57	32.92	33.25	33.60	33.95	34.30	34.65	34.02	35.37	35.72
26	33.87	34.24	34.58	34.94	35.30	35.67	36.03	36.42	36.79	37.15
27	35.18	35.55	35.91	36.28	36.66	37.04	37.42	37.82	38.20	38.58
28	36.48	36.87	37.24	37.63	38.02	38.41	38.80	39.22	39.62	40.01
29	37.78	38.19	38.57	38.97	39.38	39.78	40.19	40.62	41.03	41.44
30	39.09	39.50	39.90	40.32	40.74	41.16	41.58	42.03	42.45	42.87

CYLINDERS

A P P E N D I X.

CYLINDERS in GALLONS.

20 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.43	1.45	1.47	1.48	1.50	1.51	1.53	1.54	1.56	1.57
2	2.88	2.91	2.94	2.97	3.00	3.03	3.06	3.09	3.12	3.15
3	4.33	4.37	4.41	4.46	4.50	4.55	4.59	4.64	4.68	4.72
4	5.77	5.83	5.89	5.94	6.00	6.06	6.12	6.18	6.24	6.30
5	7.22	7.29	7.36	7.43	7.51	7.58	7.66	7.73	7.81	7.88
6	8.66	8.74	8.83	8.92	9.01	9.10	9.19	9.28	9.37	9.45
7	10.10	10.20	10.31	10.40	10.51	10.61	10.72	10.82	10.93	11.03
8	11.55	11.66	11.78	11.89	12.01	12.13	12.25	12.37	12.49	12.60
9	12.99	13.12	13.25	13.38	13.51	13.65	13.78	13.92	14.05	14.18
10	14.44	14.58	14.73	14.87	15.02	15.17	15.32	15.47	15.62	15.76
11	15.88	16.03	16.20	16.35	16.52	16.68	16.85	17.01	17.18	17.33
12	17.32	17.49	17.67	17.84	18.02	18.20	18.38	18.56	18.74	18.91
13	18.77	18.95	19.14	19.33	19.52	19.72	19.91	20.11	20.30	20.48
14	20.21	20.41	20.62	20.81	21.02	21.23	21.44	21.65	21.86	22.06
15	21.66	21.87	22.09	22.30	22.53	22.75	22.98	23.20	23.43	23.64
16	23.10	23.32	23.56	23.79	24.03	24.27	24.51	24.75	24.99	25.21
17	24.54	24.78	25.04	25.27	25.53	25.78	26.04	26.29	26.55	26.79
18	25.99	26.24	26.51	26.76	27.03	27.30	27.57	27.84	28.11	28.36
19	27.43	27.70	27.98	28.25	28.53	28.82	29.10	29.39	29.67	29.94
20	28.88	29.16	29.46	29.74	30.04	30.34	30.64	30.94	31.24	31.52
21	30.32	30.61	30.93	31.22	31.54	31.85	32.17	32.48	32.80	33.09
22	31.76	32.07	32.40	32.71	33.04	33.37	33.70	34.03	34.36	34.67
23	33.21	33.53	33.87	34.20	34.54	34.89	35.23	35.58	35.92	36.24
24	34.65	34.99	35.35	35.68	36.04	36.40	36.76	37.12	37.48	37.82
25	36.10	36.45	36.82	37.17	37.55	37.92	38.30	38.67	39.05	39.40
26	37.54	37.90	38.29	38.66	39.05	39.44	39.83	40.22	40.61	40.97
27	38.98	39.36	39.77	40.14	40.55	40.95	41.36	41.79	42.17	42.55
28	40.43	40.82	41.24	41.63	42.05	42.47	42.89	43.31	43.73	44.12
29	41.87	42.28	42.71	43.12	43.55	43.99	44.42	44.86	45.29	45.70
30	43.32	43.74	44.19	44.61	45.06	45.51	45.96	46.41	46.86	47.28

(C c 2)

CYLINDERS

CYLINDERS in GALLONS.										
21 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.59	1.60	1.62	1.63	1.65	1.66	1.68	1.70	1.71	1.73
2	3.18	3.21	3.24	3.27	3.30	3.33	3.36	3.40	3.43	3.46
3	4.77	4.82	4.86	4.91	4.95	5.00	5.05	5.10	5.14	5.19
4	6.36	6.42	6.48	6.54	6.61	6.67	6.73	6.80	6.86	6.92
5	7.96	8.03	8.11	8.18	8.26	8.34	8.42	8.50	8.57	8.65
6	9.55	9.64	9.73	9.82	9.91	10.00	10.10	10.20	10.29	10.38
7	11.14	11.24	11.35	11.45	11.57	11.67	11.78	11.90	12.00	12.11
8	12.73	12.85	12.97	13.09	13.22	13.34	13.47	13.60	13.72	13.84
9	14.32	14.46	14.59	14.73	14.87	15.01	15.15	15.30	15.43	15.57
10	15.92	16.07	16.22	16.37	16.53	16.68	16.84	17.00	17.15	17.31
11	17.51	17.67	17.84	18.00	18.18	18.34	18.52	18.70	18.86	19.04
12	19.10	19.28	19.46	19.64	19.83	20.01	20.20	20.40	20.58	20.77
13	20.69	20.89	21.08	21.28	21.48	21.68	21.89	22.10	22.29	22.50
14	22.28	22.49	22.70	22.91	23.14	23.35	23.57	23.80	24.01	24.23
15	23.88	24.10	24.33	24.55	24.79	25.02	25.26	25.50	25.72	25.96
16	25.47	25.71	25.95	26.19	26.44	26.68	26.94	27.20	27.44	27.69
17	27.06	27.31	27.57	27.82	28.10	28.35	28.62	28.90	29.15	29.42
18	28.65	28.92	29.19	29.46	29.75	30.02	30.31	30.60	30.87	31.15
19	30.24	30.53	30.81	31.10	31.40	31.69	31.99	32.30	32.58	32.88
20	31.84	32.14	32.44	32.74	33.06	33.36	33.68	34.00	34.30	34.62
21	33.43	33.74	34.06	34.37	34.71	35.02	35.36	35.70	36.01	36.31
22	35.02	35.35	35.68	36.01	36.36	36.69	37.04	37.40	37.73	38.08
23	36.61	36.96	37.30	37.65	38.01	38.36	38.73	39.10	39.44	39.81
24	38.20	38.56	38.92	39.28	39.67	40.03	40.41	40.80	41.16	41.54
25	39.80	40.17	40.55	40.92	41.32	41.70	42.10	42.50	42.87	43.27
26	41.39	41.78	42.17	42.56	42.97	43.36	43.78	44.20	44.59	45.00
27	42.98	43.38	43.79	44.19	44.63	45.03	45.46	45.90	46.30	46.73
28	44.57	44.99	45.41	45.83	46.28	46.70	47.15	47.60	48.02	48.46
29	46.16	46.60	47.03	47.47	47.93	48.37	48.83	49.30	49.73	50.19
30	47.76	48.21	48.66	49.11	49.59	50.04	50.52	51.00	51.45	51.93

CYLINDERS

CYLINDERS in GALLONS.										
22 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.74	1.76	1.77	1.79	1.81	1.82	1.84	1.86	1.87	1.89
2	3.49	3.52	3.55	3.59	3.62	3.65	3.68	3.72	3.75	3.78
3	5.24	5.28	5.33	5.38	5.43	5.48	5.52	5.58	5.62	5.67
4	6.98	7.04	7.11	7.18	7.24	7.30	7.37	7.44	7.50	7.57
5	8.73	8.81	8.86	8.97	9.05	9.13	9.21	9.30	9.38	9.46
6	10.48	10.57	10.67	10.77	10.86	10.96	11.05	11.16	11.25	11.35
7	12.22	12.34	12.45	12.56	12.67	12.78	12.90	13.02	13.13	13.25
8	13.97	14.10	14.23	14.36	14.48	14.61	14.74	14.88	15.00	15.14
9	15.71	15.86	16.01	16.15	16.29	16.44	16.58	16.74	16.88	17.03
10	17.47	17.63	17.79	17.95	18.11	18.27	18.43	18.60	18.76	18.93
11	19.21	19.39	19.56	19.74	19.92	20.09	20.27	20.46	20.63	20.82
12	20.96	21.15	21.34	21.54	21.73	21.92	22.11	22.32	22.51	22.71
13	22.71	22.91	23.12	23.33	23.54	23.75	23.95	24.18	24.38	24.60
14	24.45	24.68	24.90	25.13	25.35	25.57	25.80	26.04	26.26	26.50
15	26.20	26.44	26.68	26.92	27.16	27.40	27.64	27.90	28.14	28.39
16	27.95	28.20	28.46	28.72	28.97	29.23	29.48	29.76	30.01	30.28
17	29.69	29.97	30.24	30.51	30.78	31.05	31.33	31.62	31.89	32.18
18	31.44	31.73	32.02	32.31	32.59	32.88	33.17	33.48	33.76	34.07
19	33.19	33.49	33.80	34.10	34.40	34.71	35.01	35.34	35.64	35.96
20	34.94	35.26	35.58	35.90	36.22	36.54	36.86	37.20	37.52	37.86
21	36.68	37.02	37.35	37.69	38.03	38.36	38.70	39.06	39.39	39.75
22	38.43	38.78	39.13	39.49	39.84	40.19	40.54	40.92	41.27	41.64
23	40.18	40.54	40.91	41.28	41.65	42.02	42.38	42.78	43.14	43.53
24	41.92	42.31	42.69	43.08	43.46	43.84	44.23	44.64	45.02	45.43
25	43.67	44.07	44.47	44.87	45.27	45.67	46.07	46.50	46.90	47.32
26	45.42	45.83	46.25	46.67	47.08	47.50	47.91	48.36	48.77	49.21
27	47.16	47.60	48.03	48.46	48.89	49.32	49.76	50.22	50.65	51.11
28	48.91	49.36	49.81	50.26	50.70	51.15	51.60	52.08	52.52	53.00
29	50.66	51.12	51.59	52.05	52.51	52.98	53.44	53.94	54.40	54.89
30	52.41	52.89	53.37	53.85	54.33	54.81	55.29	55.80	56.28	56.79

(C c 3)

CYLINDERS

CYLINDERS in GALLONS.										
23 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	1.90	1.92	1.94	1.96	1.97	1.99	2.01	2.02	2.04	2.06
2	3.81	3.85	3.88	3.92	3.95	3.98	4.02	4.05	4.09	4.12
3	5.72	5.77	5.82	5.88	5.92	5.97	6.03	6.08	6.13	6.18
4	7.63	7.70	7.77	7.84	7.90	7.97	8.04	8.11	8.18	8.24
5	9.54	9.63	9.71	9.80	9.88	9.96	10.05	10.14	10.22	10.31
6	11.45	11.55	11.65	11.76	11.85	11.95	12.06	12.16	12.27	12.37
7	13.36	13.48	13.60	13.72	13.83	13.95	14.07	14.19	14.31	14.43
8	15.27	15.40	15.54	15.68	15.80	15.94	16.08	16.22	16.36	16.49
9	17.18	17.33	17.48	17.64	17.78	17.93	18.09	18.25	18.40	18.55
10	19.09	19.26	19.43	19.60	19.76	19.93	20.10	20.28	20.45	20.62
11	20.99	21.18	21.37	21.56	21.73	21.92	22.11	22.30	22.49	22.68
12	22.90	23.11	23.31	23.52	23.71	23.91	24.12	24.33	24.54	24.74
13	24.81	25.03	25.25	25.48	25.68	25.90	26.13	26.36	26.58	26.80
14	26.72	26.96	27.20	27.44	27.66	27.90	28.14	28.39	28.63	28.86
15	28.63	28.89	29.14	29.40	29.64	29.89	30.15	30.42	30.67	30.93
16	30.54	30.81	31.08	31.36	31.61	31.88	32.16	32.44	32.72	32.99
17	32.45	32.74	33.03	33.32	33.59	33.88	34.17	34.47	34.76	35.05
18	34.36	34.66	34.97	35.28	35.56	35.87	36.18	36.50	36.81	37.11
19	36.27	36.59	36.91	37.24	37.54	37.86	38.19	38.53	38.85	39.17
20	38.18	38.52	38.86	39.20	39.52	39.86	40.20	40.56	40.90	41.24
21	40.08	40.44	40.80	41.16	41.49	41.85	42.21	42.58	42.94	43.30
22	41.99	42.37	42.74	43.12	43.47	43.84	44.22	44.61	44.99	45.36
23	43.90	44.29	44.68	45.08	45.44	45.83	46.23	46.64	47.03	47.42
24	45.81	46.22	46.63	47.04	47.42	47.83	48.24	48.67	49.08	49.48
25	47.72	48.15	48.57	49.00	49.40	49.82	50.25	50.70	51.12	51.55
26	49.63	50.07	50.51	50.96	51.37	51.81	52.26	52.72	53.17	53.61
27	51.54	52.00	52.46	52.92	53.35	53.81	54.27	54.75	55.21	55.67
28	53.45	53.92	54.40	54.88	55.32	55.80	56.28	56.78	57.26	57.73
29	55.36	55.85	56.34	56.84	57.30	57.79	58.29	58.81	59.30	59.79
30	57.27	57.78	58.29	58.80	59.28	59.79	60.30	60.84	61.35	61.86

CYLINDERS

CYLINDERS in GALLONS.										
24 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	2.07	2.09	2.11	2.13	2.14	2.16	2.18	2.20	2.22	2.23
2	4.15	4.19	4.22	4.26	4.29	4.33	4.36	4.40	4.44	4.47
3	6.23	6.28	6.34	6.39	6.44	6.50	6.55	6.60	6.66	6.71
4	8.31	8.38	8.45	8.52	8.59	8.66	8.73	8.80	8.88	8.95
5	10.39	10.48	10.57	10.65	10.74	10.83	10.92	11.01	11.10	11.19
6	12.47	12.57	12.68	12.78	12.89	13.00	13.10	13.21	13.32	13.42
7	14.55	14.67	14.79	14.91	15.04	15.16	15.28	15.41	15.54	15.66
8	16.63	16.76	16.91	17.04	17.19	17.33	17.47	17.61	17.76	17.90
9	18.71	18.86	19.02	19.17	19.34	19.50	19.65	19.81	19.98	20.14
10	20.79	20.96	21.14	21.31	21.49	21.67	21.84	22.02	22.20	22.38
11	22.86	23.05	23.25	23.44	23.63	23.83	24.02	24.22	24.42	24.61
12	24.94	25.15	25.36	25.57	25.78	26.00	26.20	26.42	26.64	26.85
13	27.02	27.24	27.48	27.70	27.93	28.17	28.39	28.62	28.86	29.09
14	29.10	29.34	29.59	29.83	30.08	30.33	30.57	30.82	31.08	31.33
15	31.18	31.44	31.71	31.96	32.23	32.50	32.76	33.03	33.30	33.57
16	33.26	33.53	33.82	34.09	34.38	34.67	34.94	35.23	35.52	35.80
17	35.34	35.63	35.93	36.22	36.53	36.83	37.12	37.43	37.74	38.04
18	37.42	37.72	38.05	38.35	38.68	39.00	39.31	39.63	39.96	40.28
19	39.50	39.82	40.16	40.48	40.83	41.17	41.49	41.83	42.18	42.52
20	41.58	41.92	42.28	42.62	42.98	43.34	43.68	44.04	44.40	44.76
21	43.65	44.01	44.39	44.75	45.12	45.50	45.86	46.24	46.62	46.99
22	45.73	46.11	46.50	46.88	47.27	47.67	48.04	48.44	48.84	49.23
23	47.81	48.20	48.62	49.01	49.42	49.84	50.23	50.64	51.06	51.47
24	49.89	50.30	50.73	51.14	51.57	52.00	52.41	52.84	53.28	53.71
25	51.97	52.40	52.85	53.27	53.72	54.17	54.60	55.05	55.50	55.95
26	54.05	54.49	54.96	55.40	55.87	56.34	56.78	57.25	57.72	58.18
27	56.13	56.59	57.07	57.53	58.02	58.50	58.96	59.45	59.94	60.42
28	58.21	58.68	59.19	59.66	60.17	60.67	61.15	61.65	62.16	62.66
29	60.29	60.78	61.30	61.79	62.32	62.84	63.33	63.85	64.38	64.90
30	62.37	62.88	63.42	63.93	64.47	65.01	65.52	66.06	66.60	67.14

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CYLINDERS

CYLINDERS in GALLONS.										
25 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	2.25	2.27	2.29	2.31	2.32	2.34	2.36	2.38	2.40	2.42
2	4.51	4.54	4.58	4.62	4.65	4.69	4.73	4.76	4.80	4.84
3	6.76	6.82	6.87	6.93	6.98	7.04	7.09	7.15	7.20	7.26
4	9.02	9.09	9.16	9.24	9.31	9.38	9.46	9.53	9.61	9.68
5	11.28	11.37	11.46	11.55	11.64	11.73	11.83	11.92	12.01	12.10
6	13.53	13.64	13.75	13.86	13.97	14.08	14.19	14.30	14.41	14.52
7	15.79	15.91	16.04	16.17	16.30	16.42	16.56	16.68	16.82	16.94
8	18.04	18.19	18.33	18.48	18.63	18.77	18.92	19.07	19.22	19.36
9	20.30	20.46	20.62	20.79	20.96	21.12	21.29	21.45	21.62	21.78
10	22.56	22.74	22.92	23.10	23.29	23.47	23.66	23.84	24.03	24.21
11	24.81	25.01	25.21	25.41	25.61	25.81	26.02	26.22	26.43	26.63
12	27.07	27.28	27.50	27.72	27.94	28.16	28.39	28.60	28.83	29.05
13	29.32	29.56	29.79	30.03	30.27	30.51	30.75	30.99	31.23	31.47
14	31.58	31.83	32.08	32.34	32.60	32.85	33.12	33.37	33.64	33.89
15	33.84	34.11	34.38	34.65	34.93	35.20	35.49	35.76	36.04	36.31
16	36.09	36.38	36.67	36.96	37.26	37.55	37.85	38.14	38.44	38.73
17	38.35	38.65	38.96	39.27	39.59	39.89	40.22	40.52	40.85	41.15
18	40.60	40.93	41.25	41.58	41.92	42.24	42.58	42.91	43.25	43.57
19	42.86	43.20	43.54	43.89	44.25	44.59	44.95	45.29	45.65	45.99
20	45.12	45.48	45.84	46.20	46.58	46.94	47.32	47.68	48.06	48.42
21	47.37	47.75	48.13	48.51	48.90	49.28	49.68	50.06	50.46	50.84
22	49.63	50.02	50.42	50.82	51.23	51.63	52.05	52.44	52.86	53.26
23	51.88	52.30	52.71	53.13	53.56	53.98	54.41	54.83	55.26	55.68
24	54.14	54.57	55.00	55.44	55.89	56.32	56.78	57.21	57.67	58.10
25	56.40	56.85	57.30	57.75	58.22	58.67	59.15	59.60	60.07	60.52
26	58.65	59.12	59.59	60.06	60.55	61.02	61.51	61.98	62.47	62.94
27	60.91	61.39	61.88	62.37	62.88	63.35	63.88	64.36	64.88	65.36
28	63.16	63.67	64.17	64.68	65.21	65.71	66.24	66.75	67.28	67.78
29	65.42	65.94	66.46	66.99	67.54	68.06	68.61	69.13	69.68	70.20
30	67.68	68.22	68.76	69.30	69.87	70.41	70.98	71.52	72.09	72.63

CYLINDERS

CYLINDERS in GALLONS.										
26 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	2.44	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.59	2.61
2	4.88	4.91	4.95	4.99	5.03	5.07	5.10	5.14	5.18	5.22
3	7.32	7.37	7.43	7.49	7.54	7.60	7.66	7.71	7.77	7.83
4	9.76	9.83	9.91	9.98	10.06	10.14	10.21	10.29	10.37	10.44
5	12.20	12.29	12.39	12.48	12.58	12.67	12.77	12.86	12.96	13.06
6	14.64	14.75	14.86	14.98	15.09	15.21	15.32	15.43	15.55	15.67
7	17.08	17.21	17.34	17.47	17.61	17.74	17.87	18.01	18.15	18.28
8	19.52	19.67	19.82	19.97	20.12	20.28	20.43	20.58	20.74	20.89
9	21.96	22.13	22.30	22.47	22.64	22.81	22.98	23.15	23.33	23.50
10	24.40	24.59	24.78	24.97	25.16	25.35	25.54	25.73	25.93	26.12
11	26.84	27.04	27.25	27.46	27.67	27.88	28.09	28.30	28.52	28.73
12	29.28	29.50	29.73	29.96	30.19	30.42	30.64	30.87	31.11	31.34
13	31.72	31.96	32.21	32.46	32.70	32.95	33.20	33.44	33.70	33.95
14	34.16	34.42	34.69	34.95	35.22	35.49	35.75	36.02	36.30	35.56
15	36.60	36.88	37.17	37.45	37.74	38.02	38.31	38.59	38.89	39.18
16	39.04	39.34	39.64	39.95	40.25	40.56	40.86	41.16	41.48	41.79
17	41.48	41.80	42.12	42.44	42.77	43.09	43.41	43.74	44.08	44.40
18	43.92	44.26	44.60	44.94	45.28	45.63	45.97	46.31	46.67	47.01
19	46.36	46.72	47.08	47.44	47.80	48.16	48.52	48.88	49.26	49.62
20	48.80	49.18	49.56	49.94	50.32	50.70	51.08	51.46	51.86	52.24
21	51.24	51.63	52.03	52.43	52.83	53.23	53.63	54.03	54.45	54.85
22	53.68	54.09	54.51	54.93	55.35	55.77	56.18	56.60	57.04	57.46
23	56.12	56.55	56.99	57.43	57.86	58.30	58.74	59.17	59.63	60.07
24	58.56	59.01	59.47	59.92	60.38	60.84	61.29	61.75	62.23	62.68
25	61.00	61.47	61.95	62.42	62.90	63.37	63.85	64.32	64.82	65.30
26	63.44	63.93	64.42	64.92	65.41	65.91	66.40	66.89	67.41	67.91
27	65.88	66.39	66.90	67.41	67.93	68.44	68.95	69.47	70.01	70.52
28	68.32	68.85	69.38	69.91	70.44	70.98	71.51	72.04	72.60	73.13
29	70.76	71.31	71.86	72.41	72.96	73.51	74.06	74.61	75.19	75.74
30	73.20	73.77	74.34	74.91	75.48	76.05	76.62	77.19	77.79	78.36

CYLINDERS

CYLINDERS in GALLONS.										
27 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	2.63	2.65	2.67	2.69	2.71	2.73	2.75	2.77	2.79	2.81
2	5.26	5.30	5.34	5.38	5.42	5.46	5.50	5.54	5.58	5.62
3	7.89	7.95	8.01	8.07	8.13	8.19	8.25	8.31	8.37	8.43
4	10.52	10.60	10.68	10.76	10.84	10.92	11.00	11.08	11.16	11.24
5	13.15	13.25	13.35	13.45	13.55	13.65	13.75	13.85	13.95	14.05
6	15.78	15.90	16.02	16.14	16.26	16.38	16.50	16.62	16.74	16.86
7	18.41	18.55	18.69	18.83	18.97	19.11	19.25	19.39	19.53	19.67
8	21.04	21.20	21.36	21.52	21.68	21.84	22.00	22.16	22.32	22.48
9	23.67	23.85	24.03	24.21	24.39	24.57	24.75	24.93	25.11	25.29
10	26.31	26.51	26.71	26.90	27.10	27.30	27.50	27.70	27.90	28.10
11	28.94	29.16	29.38	29.59	29.81	30.03	30.25	30.47	30.69	30.91
12	31.57	31.81	32.05	32.28	32.52	32.76	33.00	33.24	33.48	33.72
13	34.20	34.46	34.72	34.97	35.23	35.49	35.75	36.01	36.27	36.53
14	36.83	37.11	37.39	37.66	37.94	38.22	38.50	38.78	39.06	39.34
15	39.46	39.76	40.06	40.35	40.65	40.95	41.25	41.55	41.85	42.15
16	42.09	42.41	42.73	43.04	43.36	43.68	44.00	44.32	44.64	44.96
17	44.72	45.06	45.40	45.73	46.07	46.41	46.75	47.09	47.43	47.77
18	47.35	47.71	48.07	48.42	48.78	49.14	49.50	49.86	50.22	50.58
19	49.98	50.36	50.74	51.11	51.49	51.87	52.25	52.63	53.01	53.39
20	52.62	53.02	53.42	53.80	54.20	54.60	55.00	55.40	55.80	56.20
21	55.25	55.67	56.09	56.49	56.91	57.33	57.75	58.17	58.59	59.01
22	57.88	58.32	58.76	59.18	59.62	60.06	60.50	60.94	61.38	61.82
23	60.51	60.97	61.43	61.87	62.33	62.79	63.25	63.71	64.17	64.63
24	63.14	63.62	64.10	64.56	65.04	65.52	66.00	66.48	66.96	67.44
25	65.76	66.27	66.77	67.25	67.75	68.25	68.75	69.25	69.75	70.25
26	68.40	68.92	69.44	69.94	70.46	70.98	71.50	72.02	72.54	73.06
27	71.03	71.57	72.11	72.63	73.17	73.71	74.25	74.79	75.33	75.87
28	73.66	74.22	74.78	75.32	75.88	76.44	77.00	77.56	78.12	78.68
29	76.29	76.87	77.45	78.01	78.59	79.17	79.75	80.33	80.91	81.49
30	78.93	79.53	80.13	80.70	81.30	81.90	82.50	83.10	83.70	84.30

CYLINDERS

CYLINDERS in GALLONS.										
28 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	2.83	2.85	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.01
2	5.66	5.70	5.74	5.78	5.82	5.86	5.90	5.94	5.98	6.03
3	8.49	8.55	8.61	8.67	8.73	8.79	8.85	8.91	8.98	9.04
4	11.32	11.40	11.48	11.56	11.64	11.72	11.81	11.89	11.97	12.06
5	14.15	14.25	14.35	14.45	14.55	14.66	14.76	14.86	14.97	15.07
6	16.98	17.10	17.22	17.34	17.46	17.59	17.71	17.83	17.96	18.09
7	19.71	19.95	20.09	20.23	20.37	20.52	20.67	20.81	20.95	21.10
8	22.64	22.80	22.96	23.12	23.28	23.45	23.62	23.78	23.95	24.12
9	25.47	25.65	25.83	26.01	26.19	26.38	26.57	26.75	26.94	27.13
10	28.30	28.50	28.71	28.91	29.11	29.32	29.53	29.73	29.94	30.15
11	31.13	31.35	31.58	31.80	32.02	32.25	32.48	32.70	32.93	33.16
12	33.96	34.20	34.45	34.69	34.93	35.18	35.43	35.67	35.92	36.18
13	36.79	37.05	37.32	37.58	37.84	38.11	38.38	38.64	38.92	39.19
14	39.62	39.90	40.19	40.47	40.75	41.04	41.34	41.62	41.91	42.21
15	42.45	42.75	43.06	43.36	43.66	43.98	44.29	44.59	44.91	45.22
16	45.28	45.60	45.93	46.25	46.57	46.91	47.24	47.56	47.90	48.24
17	48.11	48.45	48.80	49.14	49.48	49.84	50.20	50.54	50.89	51.25
18	50.94	51.30	51.67	52.03	52.39	52.77	53.15	53.51	53.89	54.27
19	53.77	54.15	54.54	54.92	55.30	55.70	56.10	56.48	56.88	57.28
20	56.60	57.00	57.42	57.82	58.22	58.64	59.06	59.46	59.88	60.30
21	59.43	59.85	60.29	60.71	61.13	61.57	62.01	62.43	62.87	63.31
22	62.26	62.70	63.16	63.60	64.04	64.50	64.96	65.40	65.86	66.33
23	65.09	65.55	66.03	66.49	66.95	67.43	67.91	68.37	68.86	69.34
24	67.92	68.40	68.90	69.38	69.86	70.36	70.87	71.35	71.85	72.36
25	70.75	71.25	71.77	72.27	72.77	73.30	73.82	74.32	74.85	75.37
26	73.58	74.10	74.64	75.16	75.68	76.23	76.77	77.29	77.84	78.39
27	76.41	76.95	77.51	78.05	78.59	79.16	79.73	80.27	80.83	81.40
28	79.24	79.80	80.38	80.94	81.50	82.09	82.68	83.24	83.83	84.42
29	82.07	82.65	83.25	83.83	84.41	85.02	85.63	86.21	86.82	87.43
30	84.90	85.50	86.13	86.73	87.33	87.96	88.59	89.19	89.82	90.45

CYLINDERS

CYLINDERS in GALLONS.										
29 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	3.03	3.05	3.07	3.09	3.12	3.14	3.16	3.18	3.20	3.22
2	6.07	6.11	6.15	6.19	6.24	6.28	6.32	6.36	6.41	6.45
3	9.10	9.17	9.23	9.29	9.36	9.42	9.48	9.55	9.61	9.68
4	12.14	12.22	12.31	12.39	12.48	12.56	12.65	12.73	12.82	12.90
5	15.18	15.28	15.39	15.49	15.60	15.70	15.81	15.92	16.02	16.13
6	18.21	18.34	18.46	18.59	18.72	18.84	18.97	19.10	19.23	19.36
7	21.25	21.39	21.54	21.69	21.84	21.98	22.14	22.28	22.43	22.58
8	24.28	24.45	24.62	24.79	24.96	25.12	25.30	25.47	25.64	25.81
9	27.32	27.51	27.70	27.89	28.08	28.26	28.46	28.65	28.84	29.04
10	30.36	30.57	30.78	30.99	31.20	31.41	31.63	31.84	32.05	32.27
11	33.39	33.62	33.85	34.08	34.32	34.55	34.79	35.02	35.25	35.49
12	36.43	36.68	36.93	37.18	37.44	37.69	37.95	38.20	38.46	38.72
13	39.46	39.74	40.01	40.28	40.56	40.83	41.11	41.39	41.66	41.95
14	42.50	42.79	43.09	43.38	43.68	43.97	44.28	44.57	44.87	45.17
15	45.54	45.85	46.17	46.48	46.80	47.11	47.44	47.76	48.07	48.40
16	48.57	48.91	49.24	49.58	49.92	50.25	50.60	50.94	51.28	51.63
17	51.61	51.96	52.32	52.68	53.04	53.39	53.77	54.12	54.48	54.85
18	54.64	55.02	55.40	55.78	56.16	56.53	56.93	57.31	57.69	58.08
19	57.68	58.08	58.48	58.88	59.28	59.67	60.09	60.49	60.89	61.31
20	60.72	61.14	61.56	61.98	62.40	62.82	63.26	63.68	64.10	64.54
21	63.75	64.19	64.63	65.07	65.52	65.96	66.42	66.86	67.30	67.76
22	66.79	67.25	67.71	68.17	68.64	69.10	69.58	70.04	70.51	70.99
23	69.82	70.31	70.79	71.27	71.76	72.24	72.74	73.23	73.71	74.22
24	72.86	73.36	73.87	74.37	74.88	75.38	75.91	76.41	76.92	77.44
25	75.90	76.42	76.95	77.47	78.00	78.52	79.07	79.60	80.12	80.67
26	78.93	79.48	80.02	80.57	81.12	81.66	82.23	82.78	83.33	83.90
27	81.97	82.53	83.10	83.67	84.24	84.80	85.40	85.96	86.53	87.12
28	85.00	85.59	86.18	86.77	87.36	87.94	88.56	89.15	89.74	90.35
29	88.04	88.65	89.26	89.87	90.48	91.08	91.72	92.33	92.94	93.58
30	91.08	92.71	92.34	91.97	93.60	94.23	94.89	95.52	96.15	96.81

CYLINDERS

CYLINDERS in GALLONS.										
30 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	3.24	3.27	3.29	3.31	3.33	3.35	3.38	3.40	3.42	3.44
2	6.49	6.54	6.58	6.62	6.67	6.71	6.76	6.80	6.84	6.89
3	9.74	9.81	9.87	9.94	10.00	10.07	10.14	10.20	10.27	10.34
4	12.99	13.08	13.16	13.25	13.34	13.43	13.52	13.60	13.69	13.78
5	16.24	16.35	16.46	16.57	16.68	16.79	16.90	17.01	17.12	17.23
6	19.49	19.62	19.75	19.88	20.01	20.14	20.28	20.41	20.54	20.68
7	22.74	22.89	23.04	23.19	23.35	23.50	23.66	23.81	23.96	24.12
8	25.99	26.16	26.33	26.51	26.68	26.86	27.04	27.21	27.39	27.57
9	29.24	29.43	29.62	29.82	30.02	30.22	30.42	30.61	30.81	31.02
10	32.49	32.70	32.92	33.14	33.36	33.58	33.80	34.02	34.24	34.47
11	35.73	35.97	36.21	36.45	36.69	36.93	37.18	37.42	37.66	37.91
12	38.98	39.24	39.50	39.76	40.03	40.29	40.56	40.82	41.08	41.36
13	42.23	42.51	42.79	43.08	43.36	43.65	43.94	44.22	44.51	44.81
14	45.48	45.78	46.08	46.39	46.70	47.01	47.32	47.62	47.93	48.25
15	48.73	49.05	49.38	49.71	50.04	50.37	50.70	51.03	51.36	51.70
16	51.98	52.32	52.67	53.02	53.37	53.72	54.08	54.43	54.78	55.15
17	55.23	55.59	55.96	56.33	56.71	57.08	57.46	57.83	58.20	58.59
18	58.48	58.86	59.25	59.65	60.04	60.44	60.84	61.23	61.63	62.04
19	61.73	62.13	62.54	62.96	63.38	63.80	64.22	64.63	65.05	65.49
20	64.98	65.40	65.84	66.28	66.72	67.16	67.60	68.04	68.48	68.94
21	68.22	68.67	69.13	69.59	70.05	70.51	70.98	71.44	71.90	72.38
22	71.47	71.94	72.42	72.90	73.39	73.87	74.36	74.84	75.32	75.83
23	74.72	75.21	75.71	76.22	76.72	77.23	77.74	78.24	78.75	79.28
24	77.97	78.48	79.00	79.53	80.06	80.59	81.12	81.64	82.17	82.72
25	81.22	81.75	82.30	82.85	83.40	83.95	84.50	85.05	85.60	86.17
26	84.47	85.02	85.59	86.16	86.73	87.30	87.88	88.45	89.02	89.62
27	87.72	88.29	88.88	89.47	90.07	90.66	91.26	91.85	92.44	93.06
28	90.97	91.56	92.17	92.79	93.40	94.02	94.64	95.25	95.87	96.51
29	94.22	94.83	95.46	96.10	96.74	97.38	98.02	98.65	99.29	99.96
30	97.47	98.10	98.76	99.42	100.08	100.74	101.40	102.06	102.72	103.41

CYLINDERS

CYLINDERS in GALLONS.

31 Inches Diameter.

Depth	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	3.46	3.49	3.51	3.53	3.55	3.58	3.60	3.62	3.65	3.67
2	6.93	6.98	7.02	7.07	7.11	7.16	7.20	7.25	7.30	7.34
3	10.40	10.47	10.54	10.60	10.67	10.74	10.81	10.88	10.95	11.01
4	13.87	13.96	14.05	14.14	14.23	14.32	14.41	14.50	14.60	14.69
5	17.34	17.45	17.57	17.68	17.79	17.91	18.02	18.13	18.25	18.36
6	20.81	20.94	21.08	21.21	21.35	21.49	21.62	21.76	21.90	22.03
7	24.28	24.43	24.59	24.75	24.91	25.07	25.22	25.38	25.55	25.71
8	27.75	27.92	28.11	28.28	28.47	28.65	28.83	29.01	29.20	29.38
9	31.22	31.41	31.62	31.82	32.03	32.23	32.43	32.64	32.85	33.05
0	34.69	34.91	35.14	35.36	35.59	35.82	36.04	36.27	36.50	36.73
1	38.15	38.40	38.65	38.89	39.14	39.40	39.64	39.89	40.15	40.40
2	41.62	41.89	42.16	42.43	42.70	42.98	43.24	43.52	43.80	44.07
3	45.09	45.38	45.68	45.96	46.26	46.56	46.85	47.15	47.45	47.74
4	48.56	48.87	49.19	49.50	49.82	50.14	50.45	50.77	51.10	51.42
5	52.03	52.36	52.71	53.04	53.38	53.73	54.06	54.40	54.75	55.09
6	55.50	55.85	56.22	56.57	56.94	57.31	57.66	58.03	58.40	58.76
7	58.97	59.34	59.73	60.11	60.50	60.89	61.26	61.65	62.05	62.44
8	62.44	62.83	63.25	63.64	64.06	64.47	64.87	65.28	65.70	66.11
9	65.91	66.32	66.76	67.18	67.62	68.05	68.47	68.91	69.35	69.78
0	69.38	69.82	70.28	70.72	71.18	71.64	72.08	72.54	73.00	73.46
1	72.84	73.31	73.79	74.25	74.73	75.22	75.68	76.16	76.65	77.13
2	76.31	76.80	77.30	77.79	78.29	78.80	79.28	79.79	80.30	80.80
3	79.78	80.29	80.82	81.32	81.85	82.38	82.89	83.42	83.95	84.47
4	83.25	83.78	84.33	84.86	85.41	85.96	86.49	87.04	87.60	88.15
5	86.72	87.27	87.85	88.40	88.97	89.55	90.10	90.67	91.25	91.82
6	90.19	90.76	91.36	91.93	92.53	93.13	93.70	94.30	94.90	95.49
7	93.66	94.25	94.87	95.47	96.09	96.71	97.30	97.92	98.55	99.17
8	97.13	97.74	98.39	99.00	99.65	100.29	100.91	101.55	102.20	102.84
9	100.60	101.23	101.90	102.54	103.21	103.87	104.51	105.18	105.85	106.51
0	104.07	104.73	105.42	106.08	106.77	107.46	108.12	108.81	109.50	110.10

CYLINDERS

CYLINDERS in GALLONS.

32 Inches Diameter.

Depth	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	3.69	3.72	3.74	3.76	3.78	3.81	3.83	3.86	3.88	3.90
2	7.39	7.44	7.48	7.53	7.57	7.62	7.67	7.72	7.76	7.81
3	11.08	11.16	11.22	11.29	11.36	11.43	11.50	11.58	11.65	11.72
4	14.78	14.88	14.97	15.06	15.15	15.25	15.34	15.44	15.53	15.62
5	18.48	18.60	18.71	18.83	18.94	19.06	19.18	19.30	19.42	19.53
6	22.17	22.32	22.45	22.59	22.73	22.87	23.01	23.16	23.30	23.44
7	25.87	26.04	26.20	26.36	26.52	26.69	26.85	27.02	27.18	27.34
8	29.56	29.76	29.94	30.12	30.31	30.50	30.68	30.88	31.07	31.25
9	33.26	33.48	33.68	33.89	34.10	34.31	34.52	34.74	34.95	35.16
0	36.96	37.20	37.43	37.66	37.89	38.13	38.36	38.60	38.84	39.07
1	40.65	40.92	41.17	41.42	41.67	41.94	42.19	42.46	42.72	42.97
2	44.35	44.64	44.91	45.19	45.46	45.75	46.03	46.32	46.60	46.88
3	48.04	48.36	48.65	48.95	49.25	49.56	49.86	50.18	50.49	50.79
4	51.74	52.08	52.40	52.72	53.04	53.38	53.70	54.04	54.37	54.69
5	55.44	55.80	56.14	56.49	56.83	57.19	57.54	57.90	58.26	58.60
6	59.13	59.52	59.88	60.25	60.62	61.00	61.37	61.76	62.14	62.51
7	62.83	63.24	63.63	64.02	64.41	64.82	65.21	65.62	66.02	66.41
8	66.52	66.96	67.37	67.78	68.20	68.63	69.04	69.48	69.91	70.32
9	70.22	70.68	71.11	71.55	71.99	72.44	72.88	73.34	73.79	74.23
0	73.92	74.40	74.86	75.32	75.78	76.26	76.72	77.20	77.68	78.14
1	77.61	78.12	78.60	79.08	79.56	80.07	80.55	81.06	81.56	82.04
2	81.31	81.84	82.34	82.85	83.35	83.88	84.39	84.92	85.44	85.95
3	85.00	85.56	86.08	86.61	87.14	87.69	88.22	88.78	89.33	89.86
4	88.70	89.28	89.83	90.38	90.93	91.51	92.06	92.64	93.21	93.76
5	92.40	93.00	93.57	94.15	94.72	95.32	95.90	96.50	97.10	97.67
6	96.09	96.72	97.31	97.91	98.51	99.13	99.73	100.36	100.98	101.58
7	99.79	100.44	101.06	101.68	102.30	102.95	103.57	104.22	104.86	105.48
8	103.48	104.16	104.80	105.44	106.09	106.76	107.40	108.08	108.75	109.39
9	107.18	107.88	108.54	109.21	109.88	110.57	111.24	111.94	112.63	113.30
0	110.88	111.60	112.29	112.98	113.67	114.39	115.08	115.80	116.52	117.21

CYLINDERS



CYLINDERS in GALLONS.

33 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	3.93	3.95	3.97	4.00	4.02	4.05	4.07	4.10	4.12	4.14
2	7.86	7.91	7.95	8.00	8.05	8.10	8.15	8.20	8.24	8.29
3	11.79	11.86	11.93	12.00	12.08	12.15	12.22	12.30	12.37	12.44
4	15.72	15.82	15.91	16.01	16.10	16.20	16.30	16.40	16.49	16.59
5	19.65	19.77	19.89	20.01	20.13	20.25	20.37	20.50	20.62	20.74
6	23.58	23.73	23.87	24.01	24.16	24.30	24.45	24.60	24.74	24.88
7	27.51	27.68	27.85	28.02	28.18	28.35	28.52	28.70	28.86	29.03
8	31.44	31.64	31.83	32.02	32.21	32.40	32.60	32.80	32.99	33.18
9	35.37	35.59	35.81	36.02	36.24	36.45	36.67	36.90	37.11	37.33
10	39.31	39.55	39.79	40.03	40.27	40.51	40.75	41.00	41.24	41.48
11	43.24	43.50	43.76	44.03	44.29	44.56	44.82	45.10	45.36	45.62
12	47.17	47.46	47.74	48.03	48.31	48.61	48.90	49.20	49.48	49.77
13	51.10	51.41	51.72	52.03	52.35	52.66	52.97	53.30	53.61	53.92
14	55.03	55.37	55.71	56.04	56.37	56.71	57.05	57.50	57.73	58.07
15	58.96	59.32	59.69	60.04	60.40	60.76	61.12	61.50	61.86	62.22
16	62.89	63.28	63.67	64.04	64.43	64.81	65.20	65.60	65.98	66.36
17	66.82	67.23	67.65	68.05	68.45	68.86	69.27	69.70	70.10	70.51
18	70.75	71.19	71.63	72.05	72.48	72.91	73.35	73.80	74.23	74.66
19	74.68	75.14	75.61	76.05	76.51	76.96	77.42	77.90	78.35	78.81
20	78.62	79.10	79.59	80.06	80.54	81.02	81.50	82.00	82.48	82.96
21	82.55	83.05	83.56	84.06	84.56	85.07	85.57	86.10	86.60	87.10
22	86.48	87.01	87.54	88.06	88.59	89.12	89.65	90.20	90.72	91.25
23	90.41	90.96	91.52	92.06	92.62	93.17	93.72	94.30	94.65	95.40
24	94.34	94.92	95.50	96.07	96.64	97.22	97.80	98.40	98.79	99.55
25	98.27	98.87	99.48	100.07	100.67	101.27	101.87	102.50	103.10	103.70
26	102.20	102.83	103.46	104.07	104.70	105.32	105.95	106.60	107.22	107.84
27	106.13	106.78	107.44	108.08	108.72	109.37	110.02	110.70	111.34	111.99
28	110.06	110.74	111.42	112.08	112.75	113.42	114.10	114.80	115.47	116.14
29	113.99	114.69	115.40	116.08	116.78	117.47	118.17	118.90	119.59	120.29
30	117.93	118.65	119.37	120.09	120.81	121.53	122.25	123.00	123.72	124.44

CYLINDERS

CYLINDERS in GALLONS.

34 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	4.17	4.19	4.28	4.24	4.27	4.29	4.32	4.34	4.37	4.39
2	8.34	8.39	8.44	8.49	8.54	8.59	8.64	8.69	8.74	8.79
3	12.51	12.59	12.66	12.74	12.81	12.88	12.96	13.03	13.11	13.19
4	16.69	16.78	16.88	16.98	17.08	17.18	17.28	17.38	17.48	17.58
5	20.86	20.98	21.11	21.23	21.35	21.48	21.60	21.73	21.86	21.98
6	25.03	25.18	25.33	25.48	25.62	25.77	25.92	26.07	26.23	26.38
7	29.21	29.37	29.55	29.72	29.89	30.07	30.24	30.42	30.60	30.77
8	33.38	33.57	33.77	33.97	34.16	34.36	34.56	34.76	34.97	35.17
9	37.55	37.77	37.99	38.22	38.43	38.66	38.88	39.11	39.34	39.57
10	41.73	41.97	42.22	42.47	42.71	42.96	43.21	43.46	43.72	43.97
11	45.90	46.16	46.44	46.71	46.98	47.25	47.53	47.80	48.09	48.36
12	50.07	50.36	50.66	50.96	51.25	51.55	51.85	52.15	52.46	52.76
13	54.24	54.56	54.88	55.21	55.52	55.84	56.17	56.49	56.83	57.16
14	58.42	58.75	59.10	59.45	59.79	60.14	60.49	60.84	61.20	61.55
15	62.59	62.95	63.33	63.70	64.06	64.44	64.81	65.19	65.58	65.95
16	66.76	67.15	67.55	67.95	68.33	68.73	69.13	69.53	69.95	70.35
17	70.94	71.34	71.77	72.19	72.60	73.03	73.45	73.88	74.32	74.74
18	75.11	75.54	75.99	76.44	76.87	77.32	77.77	78.22	78.69	79.14
19	79.28	79.74	80.21	80.69	81.14	81.62	82.09	82.57	83.06	83.54
20	83.46	83.94	84.44	84.94	85.42	85.92	86.42	86.92	87.44	87.94
21	87.63	88.13	88.66	89.18	89.69	90.21	90.74	91.26	91.81	92.33
22	91.80	92.33	92.88	93.43	93.96	94.51	95.06	95.61	96.18	96.73
23	95.97	96.53	97.10	97.68	98.23	98.80	99.38	99.95	100.55	101.13
24	100.15	100.72	101.32	101.92	102.50	103.10	103.70	104.30	104.92	105.52
25	104.32	104.92	105.55	106.17	106.77	107.40	108.02	108.65	109.30	109.92
26	108.49	109.12	109.77	110.42	111.04	111.69	112.34	112.99	113.67	114.32
27	112.67	113.31	113.99	114.66	115.31	115.99	116.66	117.34	118.04	118.71
28	116.84	117.51	118.21	118.91	119.58	120.28	120.98	121.68	122.41	123.11
29	121.01	121.71	122.43	123.16	123.85	124.58	125.30	126.02	126.78	127.51
30	125.19	125.91	126.66	127.41	128.13	128.88	129.63	130.38	131.16	131.91

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CYLINDERS

CYLINDERS in GALLONS.

35 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	4.42	4.44	4.47	4.49	4.52	4.54	4.57	4.60	4.62	4.65
2	8.84	8.89	8.94	8.99	9.04	9.09	9.15	9.20	9.25	9.30
3	13.26	13.34	13.41	13.49	13.57	13.64	13.72	13.80	13.87	13.95
4	17.68	17.78	17.89	17.99	18.09	18.19	18.30	18.40	18.50	18.60
5	22.11	22.23	22.36	22.49	22.62	22.74	22.87	23.00	23.13	23.26
6	26.53	26.68	26.83	26.98	27.14	27.29	27.45	27.60	27.75	27.91
7	30.95	31.12	31.31	31.48	31.66	31.84	32.02	32.20	32.38	32.56
8	35.37	35.57	35.78	35.98	36.19	36.39	36.60	36.80	37.00	37.21
9	39.79	40.02	40.25	40.48	40.71	40.94	41.17	41.40	41.63	41.86
10	44.22	44.47	44.73	44.98	45.24	45.49	45.75	46.01	46.26	46.52
11	48.64	48.91	49.20	49.47	49.76	50.03	50.32	50.61	50.88	51.17
12	53.06	53.36	53.67	53.97	54.28	54.58	54.90	55.21	55.51	55.82
13	57.48	57.81	58.14	58.47	58.81	59.13	59.47	59.81	60.13	60.47
14	61.90	62.25	62.62	62.97	63.33	63.68	64.05	64.41	64.76	65.12
15	66.33	66.70	67.09	67.47	67.86	68.23	68.62	69.01	69.39	69.78
16	70.75	71.15	71.56	71.96	72.38	72.78	73.20	73.61	74.01	74.43
17	75.17	75.59	76.04	76.46	76.90	77.33	77.77	78.21	78.64	79.08
18	79.59	80.04	80.51	80.96	81.43	81.88	82.35	82.81	83.26	83.73
19	84.01	84.49	84.98	85.46	85.95	86.43	86.92	87.41	87.89	88.38
20	88.44	88.94	89.46	89.96	90.48	90.98	91.50	92.02	92.52	93.04
21	92.86	93.38	93.93	94.45	95.00	95.52	96.07	96.62	97.14	97.69
22	97.28	97.83	98.40	98.95	99.52	100.07	100.65	101.22	101.77	102.34
23	101.70	102.28	102.87	103.45	104.05	104.62	105.22	105.82	106.39	106.99
24	106.12	106.72	107.35	107.95	108.57	109.17	109.80	110.42	111.02	111.64
25	110.55	111.17	111.82	112.45	113.10	113.72	114.37	115.02	115.65	116.30
26	114.97	115.62	116.29	116.94	117.62	118.27	118.95	119.62	120.27	120.95
27	119.30	120.06	120.77	121.44	122.14	122.82	123.52	124.22	124.90	125.60
28	123.81	124.51	125.24	125.94	126.67	127.37	128.10	128.82	129.52	130.25
29	128.23	128.96	129.71	130.44	131.19	131.92	132.67	133.42	134.15	134.90
30	132.66	133.41	134.19	134.84	135.72	136.47	137.25	138.03	138.78	139.56

CYLINDERS

CYLINDERS in GALLONS.

36 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	4.67	4.70	4.73	4.75	4.78	4.80	4.83	4.86	4.88	4.91
2	9.35	9.40	9.56	9.51	9.56	9.61	9.67	9.72	9.77	9.83
3	14.03	14.11	14.19	14.26	14.34	14.42	14.50	14.58	14.66	14.74
4	18.71	18.81	18.92	19.02	19.13	19.23	19.34	19.44	19.55	19.66
5	23.39	23.52	23.65	23.78	23.91	24.04	24.18	24.31	24.44	24.57
6	28.06	28.22	28.38	28.53	28.69	28.85	29.01	29.17	29.32	29.49
7	32.74	32.92	33.11	33.29	33.48	33.66	33.85	34.03	34.21	34.40
8	37.42	37.63	37.84	38.04	38.26	38.47	38.68	38.89	39.10	39.32
9	42.10	42.33	42.57	42.80	43.04	43.28	43.52	43.75	43.99	44.23
10	46.78	47.04	47.30	47.56	47.83	48.09	48.36	48.62	48.88	49.15
11	51.45	51.74	52.03	52.31	52.61	52.89	53.19	53.48	53.76	54.06
12	56.13	56.44	56.76	57.07	57.39	57.70	58.03	58.34	58.65	58.98
13	60.81	61.15	61.49	61.82	62.17	62.51	62.86	63.20	63.54	63.89
14	65.49	65.85	66.22	66.58	66.96	67.32	67.70	68.06	68.43	68.81
15	70.17	70.56	70.95	71.34	71.74	72.13	72.54	72.93	73.32	73.72
16	74.84	75.26	75.68	76.09	76.52	76.94	77.37	77.79	78.20	78.64
17	79.52	79.96	80.41	80.85	81.31	81.75	82.21	82.65	83.09	83.55
18	84.20	84.67	85.14	85.60	86.09	86.56	87.04	87.51	87.98	88.47
19	88.88	89.37	89.87	90.36	90.87	91.37	91.88	92.37	92.87	93.38
20	93.56	94.08	94.60	95.12	95.66	96.18	96.72	97.24	97.76	98.30
21	98.23	98.78	99.33	99.87	100.44	100.98	101.55	102.10	102.64	103.21
22	102.91	103.48	104.06	104.63	105.22	105.79	106.39	106.96	107.53	108.13
23	107.59	108.19	108.79	109.38	110.00	110.60	111.22	111.82	112.42	113.04
24	112.27	112.89	113.52	114.14	114.79	115.41	116.06	116.68	117.31	117.96
25	116.95	117.60	118.25	118.90	119.57	120.22	120.90	121.55	122.20	122.87
26	121.62	122.30	122.98	123.65	124.35	125.03	125.73	126.41	127.08	127.79
27	126.30	127.00	127.71	128.41	129.14	129.84	130.57	131.27	131.97	132.70
28	130.98	131.71	132.44	133.16	133.92	134.65	135.40	136.13	136.86	137.62
29	135.66	136.41	137.17	137.92	138.70	139.46	140.24	140.99	141.75	142.53
30	140.34	141.12	141.90	142.68	143.49	144.27	145.08	145.86	146.64	147.45

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CYLINDERS

CYLINDERS in GALLONS.

37 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	4.94	4.96	4.99	5.02	5.04	5.07	5.10	5.13	5.15	5.18
2	9.88	9.93	9.99	10.04	10.09	10.15	10.20	10.26	10.31	10.37
3	14.82	14.90	14.98	15.06	15.14	15.22	15.29	15.39	15.47	15.55
4	19.76	19.87	19.98	20.08	20.19	20.30	20.41	20.52	20.63	20.74
5	24.71	24.84	24.97	25.11	25.24	25.38	25.51	25.65	25.79	25.92
6	29.65	29.80	29.97	30.13	30.29	30.45	30.61	30.78	30.94	31.11
7	34.59	34.77	34.96	35.15	35.34	35.53	35.72	35.91	36.10	36.29
8	39.53	39.74	39.96	40.17	40.39	40.60	40.82	41.04	41.26	41.48
9	44.47	44.71	44.95	45.19	45.44	45.68	45.92	46.17	46.42	46.66
10	49.42	49.68	49.95	50.22	50.49	50.76	51.03	51.31	51.58	51.85
11	54.36	54.64	54.94	55.24	55.53	55.83	56.13	56.44	56.73	57.03
12	59.30	59.61	59.94	60.26	60.58	60.91	61.23	61.57	61.89	62.22
13	64.24	64.58	64.93	65.28	65.63	65.98	66.33	66.70	67.05	67.40
14	69.18	69.55	69.93	70.30	70.68	71.06	71.44	71.83	72.21	72.59
15	74.13	74.52	74.93	75.33	75.73	76.14	76.54	76.96	77.37	77.77
16	79.07	79.48	79.92	80.35	80.78	81.21	81.64	82.09	82.52	82.96
17	84.01	84.45	84.91	85.37	85.83	86.29	86.75	87.22	87.68	88.14
18	88.95	89.42	89.91	90.39	90.88	91.36	91.85	92.35	92.84	93.33
19	93.89	94.39	94.90	95.41	95.93	96.44	96.95	97.48	98.00	98.51
20	98.84	99.36	99.90	100.44	100.98	101.52	102.06	102.62	103.16	103.70
21	103.78	104.32	104.89	105.46	106.02	106.59	107.16	107.75	108.31	108.88
22	108.72	109.29	109.89	110.48	111.07	111.66	112.26	112.88	113.47	114.07
23	113.66	114.26	114.88	115.50	116.12	116.74	117.36	118.01	118.63	119.25
24	118.60	119.23	119.88	120.52	121.17	121.82	122.47	123.14	123.79	124.44
25	123.55	124.20	124.87	125.55	126.22	126.90	127.57	128.27	128.95	129.62
26	128.49	129.16	129.87	130.57	131.27	131.97	132.67	133.40	134.10	134.81
27	133.43	134.13	134.86	135.59	136.32	137.05	137.78	138.53	139.26	139.99
28	138.37	139.10	139.86	140.61	141.37	142.12	142.88	143.66	144.42	145.18
29	143.31	144.07	144.85	145.63	146.42	147.20	147.98	148.79	149.58	150.36
30	148.26	149.04	149.85	150.66	151.47	152.28	153.09	153.93	154.74	155.55

CYLINDERS

CYLINDERS in GALLONS.

38 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	5.21	5.24	5.26	5.29	5.32	5.35	5.37	5.40	5.43	5.46
2	10.42	10.48	10.53	10.59	10.64	10.70	10.75	10.81	10.86	10.92
3	15.63	15.72	15.80	15.88	15.96	16.05	16.13	16.21	16.30	16.38
4	20.84	20.96	21.06	21.18	21.29	21.40	21.51	21.62	21.73	21.84
5	26.06	26.20	26.33	26.47	26.61	26.75	26.89	27.03	27.17	27.31
6	31.27	31.44	31.60	31.77	31.93	32.10	32.26	32.43	32.60	32.77
7	36.48	36.68	36.86	37.06	37.26	37.45	37.64	37.84	38.03	38.23
8	41.69	41.92	42.13	42.36	42.58	42.80	43.02	43.24	43.47	43.69
9	46.90	47.16	47.40	47.65	47.90	48.15	48.40	48.65	48.90	49.15
10	52.12	52.40	52.67	52.95	53.23	53.51	53.78	54.06	54.34	54.62
11	57.33	57.64	57.93	58.24	58.55	58.86	59.15	59.46	59.77	60.08
12	62.54	62.88	63.20	63.54	63.87	64.31	64.53	64.87	65.20	65.54
13	67.75	68.12	68.47	68.83	69.19	69.56	69.91	70.27	70.64	71.00
14	72.96	73.36	73.73	74.13	74.52	74.91	75.29	75.68	76.07	76.46
15	78.18	78.60	79.00	79.42	79.84	80.26	80.67	81.09	81.51	81.93
16	83.39	83.84	84.27	84.72	85.16	85.61	86.04	86.49	86.94	87.39
17	88.60	89.08	89.53	90.01	90.49	90.96	91.42	91.90	92.37	92.85
18	93.81	94.32	94.80	95.31	95.81	96.31	96.80	97.30	97.81	98.31
19	99.02	99.56	100.07	100.60	101.13	101.66	102.18	102.71	103.24	103.77
20	104.24	104.80	105.34	105.90	106.46	107.02	107.56	108.12	108.68	109.24
21	109.45	110.04	110.60	111.19	111.78	112.37	112.93	113.52	114.11	114.70
22	114.66	115.28	115.87	116.49	117.10	117.72	118.31	118.93	119.54	120.16
23	119.87	120.52	121.14	121.78	122.42	123.07	123.69	124.33	124.98	125.62
24	125.08	125.76	126.40	127.08	127.75	128.42	129.07	129.74	130.41	131.08
25	133.30	134.00	134.67	135.37	136.07	136.77	137.45	138.15	138.85	139.55
26	135.51	136.24	136.94	137.67	138.39	139.12	139.82	140.55	141.28	142.01
27	140.72	141.48	142.20	142.96	143.72	144.47	145.20	145.96	146.71	147.47
28	145.93	146.72	147.47	148.26	149.04	149.82	150.58	151.36	152.15	152.93
29	151.14	151.96	152.74	153.55	154.36	155.17	155.96	156.77	157.58	158.39
30	156.36	157.20	158.01	158.85	159.69	160.53	161.34	162.18	163.02	163.86

CYLINDERS

CYLINDERS in GALLONS.

39 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	5.49	5.51	5.54	5.57	5.60	5.63	5.66	5.68	5.71	5.74
2	10.98	11.03	11.09	11.15	11.20	11.26	11.32	11.37	11.43	11.49
3	16.47	16.55	16.64	16.72	16.81	16.89	16.98	17.06	17.15	17.24
4	21.96	22.07	22.18	22.30	22.41	22.52	22.64	22.75	22.87	22.88
5	27.45	27.59	27.73	27.87	28.02	28.16	28.30	28.44	28.59	28.73
6	32.94	33.11	33.28	33.45	33.62	33.79	33.96	34.13	34.30	34.48
7	38.43	38.63	38.82	39.02	39.22	39.42	39.62	39.82	40.02	40.22
8	43.92	44.15	44.37	44.60	44.83	45.05	45.28	45.51	45.74	45.97
9	49.41	49.67	49.92	50.17	50.43	50.68	50.94	51.20	51.46	51.72
10	54.91	55.19	55.47	55.75	56.04	56.32	56.61	56.89	57.18	57.47
11	60.40	60.70	61.01	61.32	61.64	61.95	62.27	62.57	62.89	63.21
12	65.89	66.22	66.56	66.90	67.24	67.58	67.93	68.26	68.61	68.96
13	71.38	71.74	72.11	72.47	72.86	73.21	73.59	73.95	74.33	74.71
14	76.87	77.26	77.65	78.05	78.45	78.84	79.25	79.64	80.05	80.45
15	82.36	82.78	83.20	83.62	84.06	84.48	84.91	85.33	85.77	86.20
16	87.85	88.30	88.75	89.20	89.66	90.11	90.57	91.02	91.48	91.95
17	93.34	93.82	94.29	94.77	95.26	95.74	96.23	96.71	97.20	97.69
18	98.83	99.34	99.84	100.35	100.87	101.37	101.89	102.40	102.92	103.44
19	104.32	104.86	105.39	105.92	106.47	107.00	107.55	108.09	108.64	109.19
20	109.82	110.38	110.94	111.50	112.08	112.64	113.22	113.78	114.36	114.94
21	115.31	115.89	116.48	117.07	117.68	118.27	118.88	119.46	120.07	120.68
22	120.80	121.41	122.03	122.65	123.28	123.90	124.54	125.15	125.79	126.42
23	126.29	126.93	127.58	128.22	128.89	129.53	130.20	130.84	131.51	132.18
24	131.78	132.45	133.12	133.80	134.49	135.16	135.86	136.53	137.23	137.92
25	137.27	137.97	138.67	139.37	140.10	140.80	141.52	142.22	142.95	143.67
26	142.76	143.49	144.22	144.95	145.70	146.43	147.18	147.91	148.66	149.42
27	148.25	149.01	149.76	150.52	151.30	152.06	152.84	153.60	154.38	155.16
28	153.74	154.53	155.31	156.10	156.91	157.69	158.50	159.29	160.10	160.91
29	159.23	160.05	160.86	161.67	162.51	163.32	164.16	164.98	165.82	166.66
30	164.73	165.57	166.41	167.25	168.12	168.96	169.83	170.67	171.54	172.41

CYLINDERS

CYLINDERS in GALLONS.

40 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	5.77	5.80	5.83	5.86	5.89	5.92	5.95	5.98	6.00	6.03
2	11.55	11.61	11.66	11.72	11.78	11.84	11.90	11.96	12.01	12.07
3	17.32	17.41	17.50	17.58	17.67	17.76	17.85	17.94	18.02	18.11
4	23.10	23.22	23.33	23.45	23.56	23.68	23.80	23.92	24.03	24.15
5	28.88	29.02	29.17	29.31	29.46	29.60	29.75	29.90	20.04	32.19
6	34.65	34.83	35.00	35.17	35.35	35.52	35.70	35.88	36.05	36.23
7	40.43	40.63	40.83	41.04	41.24	41.44	41.65	41.86	42.06	42.27
8	46.20	46.44	46.67	46.90	47.13	47.36	47.60	47.84	48.07	48.31
9	51.98	52.24	52.50	52.76	53.02	53.28	53.55	53.82	54.08	54.35
10	57.76	58.05	58.34	58.63	58.92	59.21	59.50	59.80	60.09	60.39
11	63.53	63.85	64.17	64.49	64.81	65.13	65.45	65.78	66.09	66.42
12	69.31	69.66	70.00	70.35	70.70	71.05	71.40	71.76	72.10	72.46
13	75.08	75.46	75.84	76.21	76.59	76.97	77.35	77.74	78.11	78.50
14	80.86	81.27	81.67	82.08	82.48	82.89	83.30	83.72	84.12	84.54
15	86.64	87.07	87.15	87.94	88.38	88.81	89.25	89.70	90.13	90.58
16	92.41	92.88	93.34	93.83	94.27	94.73	95.20	95.68	96.14	96.62
17	98.19	98.68	99.17	99.67	100.16	100.65	101.15	101.66	102.15	102.66
18	103.96	104.49	105.01	105.53	106.05	106.57	107.10	107.64	108.16	108.70
19	109.74	110.29	110.84	111.39	111.94	112.49	113.05	113.62	114.17	114.74
20	115.52	116.10	116.68	117.26	117.84	118.42	119.00	119.60	120.18	120.78
21	121.29	121.90	122.51	123.12	123.73	124.34	124.95	125.58	126.18	126.81
22	127.07	127.71	128.34	128.98	129.62	130.26	130.90	131.56	132.19	132.85
23	132.84	133.51	134.18	134.84	135.51	136.18	136.85	137.54	138.20	138.89
24	138.62	139.42	140.01	140.71	141.40	142.10	142.80	143.52	144.21	144.93
25	144.40	145.22	145.85	146.57	147.30	148.02	148.75	149.50	150.22	150.97
26	150.17	151.03	151.68	152.43	153.19	153.94	154.70	155.48	156.23	157.01
27	155.95	156.83	157.51	158.30	159.08	159.86	160.65	161.46	162.24	163.05
28	161.72	162.64	163.35	164.16	164.97	165.78	166.60	167.44	168.25	169.09
29	167.50	168.44	169.18	170.02	170.86	171.70	172.55	173.42	174.26	175.13
30	173.28	174.25	175.02	175.89	176.76	177.63	178.50	179.40	180.27	181.17

CYLINDERS

CYLINDERS in GALLONS:

41 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	6.06	6.09	6.12	6.15	6.18	6.21	6.24	6.27	6.30	6.33
2	12.13	12.18	12.24	12.30	12.36	12.42	12.48	12.54	12.60	12.66
3	18.18	18.27	18.36	18.45	18.54	18.63	18.72	18.81	18.90	18.99
4	24.27	24.36	24.48	24.60	24.72	24.84	24.96	25.08	25.20	25.32
5	30.34	30.45	30.60	30.75	30.90	31.05	31.20	31.35	31.50	31.65
6	36.40	36.58	36.76	36.94	37.10	37.30	37.48	37.66	37.84	38.02
7	42.47	42.68	42.88	43.09	43.30	43.51	43.72	43.93	44.14	44.35
8	48.54	48.78	49.01	49.25	49.49	49.73	49.97	50.21	50.45	50.69
9	54.61	54.88	55.34	55.41	55.78	55.95	56.22	56.49	56.76	57.03
10	60.68	60.98	61.27	61.57	61.87	62.17	62.47	62.77	63.07	63.37
11	66.74	67.07	67.39	67.72	68.05	68.38	68.71	69.04	69.37	69.70
12	72.81	73.17	73.52	73.88	74.24	74.60	74.96	75.32	75.68	76.04
13	78.88	79.27	79.65	80.04	80.43	80.82	81.21	81.60	81.99	82.38
14	84.95	85.37	85.77	86.19	86.61	87.03	87.45	87.87	88.29	88.71
15	91.02	91.47	91.90	92.35	92.80	93.25	93.70	94.15	94.60	95.05
16	97.09	97.56	98.03	98.51	98.99	99.47	99.95	100.43	101.04	101.39
17	103.15	103.66	104.15	104.60	105.17	105.68	106.19	106.70	107.21	107.72
18	109.22	109.76	110.28	110.82	111.36	111.80	112.44	112.98	113.52	114.06
19	115.29	115.86	116.41	116.98	117.55	118.12	118.69	119.26	119.83	120.40
20	121.36	121.96	122.54	123.14	123.74	124.34	124.94	125.54	126.14	126.74
21	127.42	127.05	128.66	129.29	129.92	130.55	131.18	131.81	132.44	133.07
22	133.49	134.15	134.79	135.45	136.11	136.77	137.43	138.09	138.75	139.41
23	139.56	140.25	140.92	141.61	142.30	142.99	143.68	144.37	145.06	145.75
24	145.63	146.35	147.04	147.76	148.48	149.20	149.92	150.64	151.36	152.08
25	151.70	152.45	153.17	153.92	154.67	155.42	156.17	156.92	157.67	158.42
26	157.76	158.58	159.30	160.08	160.80	161.64	162.42	163.20	163.98	164.76
27	163.83	164.64	165.42	166.23	167.04	167.85	168.66	169.47	170.28	171.09
28	169.90	170.74	171.55	172.39	173.23	174.07	174.83	175.75	176.59	177.43
29	175.97	176.84	177.68	178.55	179.42	180.29	181.16	182.03	182.90	183.77
30	182.04	182.94	183.81	184.71	185.61	186.51	187.41	188.31	189.21	190.11

CYLINDERS

CYLINDERS in GALLONS.

42 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	6.36	6.39	6.42	6.45	6.49	6.52	6.55	6.58	6.61	6.64
2	12.73	12.79	12.85	12.91	12.98	13.04	13.10	13.16	13.22	13.28
3	19.10	19.19	19.28	19.37	19.47	19.56	19.65	19.74	19.83	19.93
4	25.47	25.59	25.71	25.83	25.96	26.08	26.20	26.32	26.45	26.57
5	31.84	31.99	32.14	32.29	32.45	32.60	32.75	32.91	33.06	33.22
6	38.20	38.38	38.57	38.75	38.94	39.12	39.30	39.49	39.67	39.86
7	44.47	44.78	45.00	45.21	45.43	45.64	45.85	46.07	46.29	46.50
8	50.94	51.18	51.43	51.67	51.92	52.16	52.40	52.65	52.90	53.15
9	57.31	57.58	57.86	58.13	58.41	58.68	58.95	59.22	59.51	59.79
10	63.68	63.98	64.29	64.59	64.90	65.20	65.51	65.82	66.13	66.44
11	70.04	70.37	70.71	71.04	71.39	71.72	72.06	72.40	72.74	73.08
12	76.41	76.77	77.14	77.50	77.88	78.24	78.61	78.98	79.35	79.72
13	82.78	83.17	83.57	83.96	84.37	84.76	85.16	85.56	85.96	86.37
14	89.15	89.57	90.00	90.42	90.86	91.28	91.71	92.14	92.58	93.01
15	95.52	95.97	96.43	96.88	97.35	97.80	98.26	98.73	99.19	99.66
16	101.88	102.36	102.86	103.34	103.84	104.32	104.81	105.31	105.80	106.30
17	108.25	108.76	109.29	109.80	110.13	110.84	111.36	111.89	112.42	112.94
18	114.62	115.16	115.74	116.26	116.82	117.36	117.91	118.47	119.07	119.59
19	120.99	121.56	122.15	122.72	123.31	123.88	124.46	125.05	125.64	126.23
20	127.36	127.96	128.58	129.18	129.80	130.40	131.02	131.64	132.26	132.88
21	133.72	134.35	135.00	135.63	136.29	136.92	137.57	138.22	138.87	139.52
22	140.09	140.75	141.43	142.09	142.78	143.44	144.12	144.80	145.48	146.16
23	146.64	147.15	147.86	148.55	149.27	149.96	150.67	151.38	152.09	152.81
24	152.83	153.55	154.29	155.01	155.76	156.48	157.22	157.96	158.71	159.45
25	159.20	159.95	160.50	161.25	162.25	163.00	163.75	164.50	165.25	166.00
26	165.36	166.14	166.92	167.70	168.74	169.52	170.30	171.08	171.86	172.64
27	171.72	172.53	173.34	174.15	175.23	176.04	176.85	177.66	178.47	179.28
28	178.08	178.92	179.76	180.60	181.72	182.56	183.40	184.24	185.08	185.92
29	184.44	185.31	186.18	187.05	188.21	189.08	189.95	190.82	191.69	192.56
30	190.80	191.70	192.60	193.50	194.70	195.60	196.50	197.40	198.30	199.20

(E c)

CYLINDERS

CYLINDERS in GALLONS.

43 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	6.67	6.70	6.73	6.76	6.79	6.83	6.86	6.89	6.92	6.95
2	13.35	13.41	13.47	13.53	13.59	13.66	13.72	13.78	13.85	13.91
3	20.02	20.11	20.21	20.30	20.39	20.49	20.58	20.58	20.77	20.87
4	26.70	26.82	26.94	27.07	27.19	27.32	27.44	27.57	27.70	27.82
5	33.37	33.53	33.68	33.84	33.99	34.15	34.31	34.47	34.62	34.78
6	40.05	40.23	40.42	40.60	40.79	40.98	41.17	41.36	41.55	41.74
7	46.72	46.94	47.15	47.37	47.59	47.81	48.03	48.25	48.47	48.69
8	53.40	53.64	53.89	54.14	54.39	54.64	54.89	55.15	55.40	55.65
9	60.07	60.35	60.63	61.01	61.19	61.47	61.75	62.04	62.32	62.61
10	66.75	67.06	67.37	67.68	67.99	68.31	68.62	68.94	69.25	69.57
11	73.42	73.76	74.10	74.44	74.78	75.14	75.48	75.83	76.17	76.52
12	80.10	80.47	80.84	81.21	81.58	81.97	82.34	82.72	83.10	83.48
13	86.77	87.17	87.58	87.98	88.38	88.80	89.20	89.62	90.02	90.44
14	93.45	93.88	94.31	94.75	95.18	95.63	96.06	96.41	96.95	97.39
15	100.12	100.59	101.05	101.52	101.98	102.46	102.73	103.41	103.87	104.35
16	106.80	107.29	107.79	108.28	108.78	109.29	109.79	110.30	110.80	111.31
17	113.47	114.00	114.52	115.05	115.58	116.12	116.65	117.19	117.72	118.26
18	120.15	120.70	121.26	121.82	122.38	122.95	123.51	124.09	124.65	125.22
19	126.82	127.40	128.00	128.59	129.18	129.78	130.37	130.98	131.57	132.18
20	133.50	134.12	134.74	135.36	135.98	136.62	137.24	137.88	138.50	139.14
21	140.17	140.82	141.47	142.12	142.77	143.45	144.10	144.87	145.42	146.09
22	146.85	147.53	148.21	148.89	149.57	150.28	150.96	151.66	152.35	153.05
23	153.52	154.23	154.95	155.66	156.37	157.11	157.82	159.56	159.27	160.01
24	160.20	160.94	161.68	162.43	163.17	163.94	164.68	165.45	166.20	166.98
25	166.87	167.65	168.42	169.20	169.97	170.77	171.55	172.35	173.12	173.92
26	173.55	174.35	175.16	175.96	176.77	177.60	178.41	179.24	180.05	180.88
27	180.22	181.06	181.89	182.73	183.57	184.43	185.27	186.13	186.97	187.83
28	186.90	187.76	188.63	189.50	190.37	191.26	192.13	193.03	193.90	194.89
29	193.57	194.47	195.37	196.27	197.17	198.09	198.99	199.86	200.82	201.75
30	200.25	201.18	202.11	203.04	203.97	204.93	205.86	206.82	207.75	208.71

CYLINDERS

CYLINDERS in GALLONS.

44 Inches Diameter.

Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	6.98	7.02	7.05	7.08	7.11	7.14	7.18	7.21	7.24	7.27
2	13.97	14.04	14.10	14.16	14.23	14.29	14.36	14.42	14.49	14.55
3	20.96	21.06	21.15	21.25	21.34	21.44	21.54	21.63	21.73	21.83
4	27.95	28.08	28.20	28.33	28.46	28.59	28.72	28.85	28.98	29.11
5	34.94	35.10	35.26	35.42	35.58	35.74	35.90	36.06	36.22	36.39
6	41.93	42.12	42.31	42.50	42.69	42.88	43.08	43.27	43.47	43.66
7	48.92	49.14	49.36	49.58	49.81	50.03	50.26	50.49	50.71	50.94
8	55.91	56.16	56.41	56.67	56.92	57.18	57.44	57.70	57.96	58.22
9	62.90	63.18	63.46	63.75	64.04	64.33	64.62	64.91	65.20	65.50
10	69.89	70.21	70.52	60.84	71.16	71.48	71.81	72.13	72.45	72.78
11	76.87	77.23	77.57	77.92	78.27	78.62	78.99	79.34	79.69	80.05
12	83.86	84.25	84.62	85.00	85.39	85.77	86.17	86.55	86.94	87.33
13	90.85	91.27	91.67	92.09	92.50	92.92	93.35	93.76	94.18	94.60
14	97.84	98.29	98.72	99.17	99.62	100.07	100.53	100.98	101.43	101.89
15	104.83	105.31	105.78	106.26	106.74	107.22	107.71	108.19	108.67	109.17
16	111.82	112.33	112.83	113.34	113.85	114.36	114.89	115.40	115.92	116.44
17	118.81	119.35	119.88	120.42	120.97	121.51	122.07	122.62	123.16	123.72
18	125.80	126.37	126.93	127.51	128.08	128.66	129.25	129.83	130.41	130.98
19	132.79	133.39	133.98	134.59	135.20	135.81	136.43	137.04	137.65	138.28
20	139.78	140.42	141.04	141.68	142.32	142.96	143.62	144.26	144.90	145.56
21	146.76	147.44	148.09	148.78	149.43	150.10	150.80	151.47	152.14	152.83
22	153.75	154.46	155.14	155.84	156.55	157.25	157.98	158.68	159.39	160.11
23	160.74	161.48	162.19	162.93	163.66	164.40	165.16	165.89	166.63	167.39
24	167.73	168.50	169.24	170.01	170.78	171.55	172.34	173.11	173.88	174.67
25	174.72	175.52	176.29	177.10	177.90	178.70	179.52	180.32	181.12	181.95
26	181.71	182.54	183.35	184.18	185.01	185.84	186.70	187.53	188.37	189.22
27	188.70	189.56	190.40	191.26	192.13	192.99	193.88	194.75	195.61	196.50
28	195.69	196.58	197.45	198.35	199.24	200.06	201.06	201.96	202.86	203.78
29	202.68	203.60	204.50	205.43	206.36	207.29	208.24	209.17	210.10	211.06
30	209.67	210.63	211.56	212.52	213.48	214.44	215.43	216.39	217.35	218.24

(E c 2)

CYLINDERS

CYLINDERS in GALLONS.										
45 Inches Diameter.										
Depth.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1	7.31	7.34	7.37	7.40	7.44	7.47	7.50	7.53	7.57	7.60
2	14.62	14.68	14.74	14.81	14.88	14.94	15.00	15.06	15.14	15.20
3	21.93	22.02	22.11	22.22	22.32	22.41	22.50	22.59	22.71	22.80
4	29.24	29.36	29.48	29.63	29.76	29.88	30.00	20.12	30.28	30.40
5	36.55	36.70	36.85	37.04	37.20	37.35	37.50	37.65	37.85	38.00
6	43.86	44.05	44.25	44.44	44.64	44.83	45.03	45.23	45.43	45.63
7	51.17	51.39	51.62	51.85	52.08	52.31	52.54	52.77	53.00	53.23
8	58.48	58.73	59.00	59.26	59.52	59.78	60.04	60.31	60.57	60.84
9	65.79	66.07	66.37	66.67	66.96	67.25	67.55	67.85	68.14	68.44
10	73.10	73.42	73.75	74.08	74.41	74.73	75.06	75.39	75.72	76.05
11	80.41	80.76	81.12	81.48	81.85	82.20	82.56	82.92	83.29	83.65
12	87.72	88.10	88.50	88.89	89.29	89.67	90.07	90.46	90.86	91.26
13	95.03	95.44	95.87	96.30	96.73	97.14	97.57	98.00	98.43	98.86
14	102.34	102.78	103.25	103.71	104.17	104.62	105.08	105.54	106.00	106.47
15	109.65	110.13	110.62	111.12	111.61	112.09	112.59	113.08	113.58	114.07
16	116.96	117.47	118.00	118.52	119.05	119.56	120.09	120.62	121.15	121.68
17	124.27	124.81	125.37	125.93	126.39	127.04	127.60	128.16	128.72	129.28
18	131.58	132.15	132.75	133.34	133.93	134.51	135.10	135.70	136.21	136.89
19	138.89	139.49	140.12	140.75	141.37	141.98	142.61	143.24	143.86	144.49
20	146.20	146.84	147.50	148.16	148.82	149.46	150.12	150.78	151.44	152.10
21	153.51	154.18	154.87	155.56	156.26	156.93	157.62	158.31	159.01	159.70
22	160.82	161.52	162.25	162.97	163.70	164.40	165.13	165.85	166.58	167.31
23	168.13	168.56	169.62	170.38	171.14	171.87	172.63	173.39	174.15	174.91
24	175.34	176.20	177.00	177.79	178.58	179.35	180.14	180.93	181.72	182.52
25	182.75	183.55	184.37	185.20	186.02	186.82	187.65	188.47	189.30	190.12
26	190.06	190.89	191.75	192.60	193.46	194.29	195.15	196.01	196.87	197.73
27	197.37	198.83	199.12	200.01	200.90	201.77	202.66	203.55	204.44	205.33
28	204.68	205.57	206.50	207.42	208.34	209.24	210.16	211.09	212.01	212.94
29	211.99	212.91	213.77	214.83	215.78	216.71	217.67	218.63	219.59	220.54
30	219.30	220.26	221.25	222.24	223.23	224.19	225.18	226.17	227.16	228.15

A TABLE

A  
T A B L E

Shewing the

AREAS of CIRCLES

IN

G A L L O N S

AND

Milleffimal P A R T S,

Calculated to every *Tenth* Part of an Inch of the Diameter, from *Thirty Five* to *One Hundred and Forty* Inches.

CIRCLES AREAS.

In GALLONS.

Diamet	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
36	4.678	4.704	4.730	4.756	4.783	4.809	4.836	4.862	4.888	4.915
37	4.942	4.968	4.995	5.022	5.049	5.076	5.103	5.131	5.158	5.185
38	5.212	5.240	5.267	5.295	5.323	5.351	5.378	5.406	5.434	5.462
39	5.491	5.519	5.547	5.575	5.604	5.632	5.661	5.689	5.718	5.747
40	5.776	5.805	5.834	5.863	5.892	5.921	5.950	5.980	6.009	6.039
41	6.068	6.098	6.127	6.157	6.187	6.217	6.247	6.277	6.307	6.337
42	6.368	6.398	6.429	6.459	6.490	6.520	6.551	6.582	6.613	6.644
43	6.675	6.706	6.737	6.768	6.799	6.831	6.862	6.894	6.925	6.957
44	6.989	7.021	7.052	7.084	7.116	7.148	7.181	7.213	7.245	7.278
45	7.310	7.342	7.375	7.408	7.441	7.473	7.506	7.539	7.572	7.605
46	7.639	7.672	7.705	7.739	7.772	7.805	7.839	7.873	7.907	7.940
47	7.974	8.008	8.042	8.076	8.111	8.145	8.179	8.214	8.248	8.283
48	8.317	8.352	8.387	8.422	8.456	8.491	8.526	8.562	8.597	8.632
49	8.667	8.703	8.738	8.774	8.809	8.845	8.881	8.917	8.953	8.989
50	9.025	9.061	9.097	9.133	9.170	9.206	9.243	9.279	9.316	9.353
51	9.389	9.426	9.463	9.500	9.537	9.574	9.612	9.649	9.686	9.724
52	9.761	9.799	9.836	9.874	9.912	9.950	9.988	10.026	10.064	10.102
53	10.140	10.179	10.217	10.255	10.294	10.333	10.371	10.410	10.449	10.487
54	10.527	10.567	10.605	10.644	10.683	10.722	10.762	10.801	10.841	10.885
55	10.920	10.960	11.000	11.040	11.079	11.120	11.160	11.200	11.240	11.280
56	11.321	11.361	11.402	11.442	11.483	11.524	11.565	11.605	11.646	11.688
57	11.729	11.770	11.811	11.852	11.894	11.935	11.977	12.019	12.060	12.102
58	12.144	12.186	12.228	12.270	12.312	12.354	12.396	12.439	12.481	12.524
59	12.566	12.609	12.652	12.694	12.737	12.780	12.823	12.866	12.909	12.953
60	12.996	13.039	13.082	13.126	13.170	13.213	13.257	13.301	13.344	13.388
61	13.433	13.477	13.521	13.565	13.609	13.654	13.698	13.743	13.787	13.832
62	13.877	13.921	13.966	14.011	14.056	14.101	14.146	14.192	14.237	14.282
63	14.328	14.373	14.419	14.465	14.510	14.556	14.602	14.648	14.694	14.740
64	14.786	14.833	14.879	14.925	14.972	15.018	15.065	15.111	15.158	15.205
65	15.252	15.299	15.346	15.393	15.440	15.488	15.535	15.582	15.630	15.677

CIRCLES

CIRCLES AREAS.

In GALLONS.

Diamet	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
66	15.725	15.773	15.820	15.868	15.916	15.964	16.012	16.060	16.108	16.157
67	16.205	16.253	16.302	16.351	16.399	16.448	16.497	16.545	16.594	16.643
68	16.692	16.741	16.791	16.840	16.889	16.939	16.988	17.038	17.088	17.137
69	17.187	17.237	17.287	17.337	17.387	17.437	17.487	17.538	17.588	17.638
70	17.689	17.739	17.790	17.841	17.892	17.942	17.993	18.044	18.095	18.147
71	18.198	18.249	18.300	18.352	18.403	18.455	18.507	18.558	18.610	18.662
72	18.714	18.766	18.818	18.870	18.922	18.975	19.027	19.080	19.132	19.185
73	19.237	19.290	19.343	19.396	19.449	19.502	19.555	19.608	19.661	19.715
74	19.768	19.822	19.875	19.929	19.982	20.036	20.090	20.144	20.198	20.252
75	20.306	20.360	20.414	20.469	20.523	20.578	20.632	20.687	20.742	20.796
76	20.851	20.906	20.961	21.016	21.071	21.126	21.182	21.237	21.292	21.348
77	21.403	21.459	21.515	21.571	21.626	21.682	21.738	21.794	21.851	21.907
78	21.963	22.019	22.076	22.132	22.189	22.245	22.302	22.359	22.416	22.473
79	22.530	22.587	22.644	22.701	22.759	22.816	22.873	22.931	22.988	23.046
80	23.104	23.162	23.219	23.277	23.335	23.393	23.452	23.510	23.568	23.627
81	23.685	23.744	23.802	23.861	23.920	23.978	24.037	24.096	24.155	24.214
82	24.273	24.333	24.392	24.451	24.511	24.570	24.630	24.690	24.749	24.809
83	24.869	24.929	24.989	25.049	25.109	25.170	25.230	25.290	25.351	25.411
84	25.472	25.533	25.593	25.654	25.715	25.776	25.837	25.898	25.959	26.021
85	26.082	26.143	26.205	26.266	26.328	26.390	26.452	26.513	26.575	26.637
86	26.699	26.761	26.824	26.886	26.948	27.011	27.073	27.136	27.198	27.261
87	27.324	27.387	27.450	27.513	27.576	27.639	27.702	27.765	27.829	27.892
88	27.956	28.019	28.083	28.146	28.210	28.274	28.338	28.402	28.466	28.530
89	28.595	28.659	28.723	28.788	28.852	28.917	28.981	29.046	29.111	29.176
90	29.241	29.306	29.371	29.436	29.501	29.567	29.632	29.697	29.763	29.829
91	29.894	29.960	30.026	30.092	30.158	30.224	30.290	30.356	30.422	30.488
92	30.555	30.621	30.688	30.754	30.821	30.888	30.955	31.022	31.089	31.156
93	31.223	31.290	31.357	31.424	31.492	31.559	31.627	31.694	31.762	31.830
94	31.898	31.966	32.034	32.102	32.170	32.238	32.306	32.375	32.443	32.511
95	32.580	32.647	32.717	32.786	32.855	32.924	32.993	33.062	33.131	33.200

CIRCLES



CIRCLES AREAS.

In GALLONS.

Diamet.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
96	33.270	33.339	33.408	33.478	33.547	33.617	33.687	33.757	33.826	33.896
97	33.966	34.036	34.107	34.177	34.247	34.317	34.388	34.458	34.529	34.600
98	34.679	34.741	34.812	34.883	34.954	35.025	35.096	35.167	35.239	35.310
99	35.381	35.453	35.525	35.596	35.668	35.740	35.812	35.884	35.956	36.028
100	36.100	36.172	36.244	36.317	36.389	36.462	36.534	36.607	36.680	36.753
101	36.825	36.898	36.971	37.045	37.118	37.191	37.264	37.338	37.411	37.485
102	37.558	37.632	37.706	37.780	37.853	37.927	38.001	38.076	38.150	38.224
103	38.298	38.373	38.447	38.522	38.596	38.671	38.746	38.821	38.896	38.971
104	39.045	39.121	39.191	39.271	39.346	39.422	39.497	39.573	39.649	39.724
105	39.800	39.876	39.952	40.028	40.104	40.180	40.256	40.332	40.409	40.485
106	40.562	40.638	40.715	40.792	40.868	40.945	41.022	41.099	41.176	41.253
107	41.331	41.408	41.485	41.563	41.640	41.718	41.796	41.873	41.951	42.029
108	42.107	42.185	42.263	42.341	42.419	42.498	42.576	42.654	42.733	42.813
109	42.890	42.969	43.048	43.127	43.206	43.285	43.364	43.443	43.522	43.601
110	43.681	43.760	43.840	43.919	44.000	44.079	44.159	44.239	44.318	44.399
111	44.479	44.559	44.639	44.719	44.800	44.880	44.961	45.041	45.122	45.203
112	45.284	45.365	45.446	45.527	45.608	45.689	45.770	45.851	45.933	46.014
113	46.096	46.178	46.250	46.341	46.423	46.503	46.587	46.669	46.751	46.833
114	46.915	46.998	47.080	47.163	47.245	47.328	47.411	47.493	47.576	47.659
115	47.742	47.825	47.908	47.991	48.075	48.158	48.242	48.325	48.409	48.492
116	48.576	48.660	48.744	48.828	48.912	48.996	49.080	49.164	49.248	49.333
117	49.417	49.502	49.586	49.671	49.756	49.840	49.925	50.010	50.095	50.180
118	50.265	50.351	50.436	50.521	50.607	50.692	50.778	50.864	50.949	51.035
119	51.121	51.207	51.293	51.379	51.465	51.552	51.638	51.724	51.811	51.897
120	51.984	52.070	52.157	52.244	52.331	52.418	52.505	52.592	52.676	52.766
121	52.854	52.941	53.028	53.116	53.204	53.291	53.379	53.467	53.555	53.643
122	53.731	53.819	53.907	53.995	54.084	54.172	54.261	54.349	54.438	54.526
123	54.615	54.704	54.793	54.882	54.971	55.060	55.149	55.239	55.328	55.417
124	55.507	55.596	55.686	55.776	55.866	55.955	56.045	56.135	56.225	56.316
125	56.406	56.496	56.586	56.677	56.767	56.858	56.949	57.039	57.130	57.221

CIRCLES

CIRCLES AREAS.

In GALLONS.

Diamet.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
126	57.312	57.403	57.494	57.585	57.676	57.768	57.859	57.950	58.042	58.134
127	58.225	58.317	58.409	58.501	58.593	58.685	58.777	58.869	58.961	59.053
128	59.146	59.238	59.331	59.423	59.516	59.609	59.702	59.794	59.887	59.980
129	60.074	60.167	60.260	60.353	60.447	60.540	60.634	60.727	60.821	60.915
130	61.009	61.102	61.196	61.290	61.385	61.479	61.573	61.667	61.762	61.856
131	61.951	62.045	62.140	62.235	62.330	62.425	62.520	62.615	62.710	62.805
132	62.900	62.995	63.091	63.186	63.282	63.378	63.473	63.569	63.665	63.761
133	63.857	63.953	64.049	64.145	64.241	64.338	64.434	64.531	64.627	64.724
134	64.821	64.917	65.014	65.111	65.208	65.305	65.402	65.500	65.597	65.694
135	65.792	65.889	65.987	66.084	66.182	66.280	66.378	66.476	66.574	66.678
136	66.770	66.868	66.967	67.065	67.163	67.262	67.361	67.459	67.558	67.657
137	67.756	67.855	67.954	68.053	68.152	68.251	68.350	68.450	68.549	68.649
138	68.748	68.848	68.948	69.048	69.147	69.247	69.347	69.448	69.548	69.648
139	69.748	69.849	69.949	70.050	70.150	70.251	70.352	70.453	70.553	70.654
140	70.756	70.857	70.958	71.059	71.160	71.262	71.363	71.465	71.566	71.668

(Ff) A TABLE

A  
T A B L E

Shewing the

AREAS of SQUARES

I N

G A L L O N S

A N D

Decimilleffimal P A R T S,

Calculated to every *Tenth* Part and *Quarter*  
of an Inch of the Side, from *One* to *One*  
*Hundred* Inches.

(F f 2)

AREAS of SQUARES.						
In GALLONS.						
Side.	.0	.1	.2	.25	.3	.4
1	.004595	.00556	.006617	.007180	.007766	.009007
2	.0183	.0202	.0222	.0232	.0243	.0264
3	.0413	.0441	.0470	.0485	.0500	.0531
4	.0735	.0772	.0810	.0830	.0849	.0889
5	.1148	.1195	.1243	.1266	.1290	.1340
6	.1654	.1710	.1766	.1795	.1823	.1882
7	.2251	.2316	.2382	.2415	.2448	.2516
8	.2941	.3015	.3090	.3127	.3165	.3242
9	.3722	.3805	.3889	.3932	.3974	.4060
10	.4595	.4687	.4781	.4828	.4875	.4970
11	.5566	.5662	.5764	.5816	.5868	.5972
12	.6617	.6728	.6840	.6896	.6952	.7066
13	.7766	.7886	.8007	.8068	.8129	.8251
14	.9007	.9136	.9266	.9331	.9397	.9529
15	1.0340	1.0478	1.0617	1.0687	1.0757	1.0898
16	1.1764	1.1912	1.2060	1.2135	1.2210	1.2360
17	1.3281	1.3438	1.3595	1.3674	1.3754	1.3913
18	1.4889	1.5055	1.5222	1.5306	1.5390	1.5558
19	1.6590	1.6765	1.6941	1.7029	1.7118	1.7295
20	1.8382	1.8566	1.8751	1.8844	1.8937	1.9125
21	2.0266	2.0460	2.0654	2.0751	2.0849	2.1045
22	2.2242	2.2445	2.2649	2.2751	2.2853	2.3058
23	2.4310	2.4522	2.4735	2.4842	2.4949	2.5163
24	2.6470	2.6691	2.6913	2.7024	2.7136	2.7360
25	2.8722	2.8952	2.9183	2.9299	2.9415	2.9648
26	3.1066	3.1305	3.1545	3.1666	3.1787	3.2029
27	3.3501	3.3450	3.3999	3.4125	3.4250	3.4501
28	3.6029	3.6289	3.6546	3.6675	3.6806	3.7067
29	3.8648	3.8915	3.9183	3.9316	3.9452	3.9722
30	4.1360	4.1636	4.1913	4.2052	4.2191	4.2470

AREAS

AREAS of SQUARES.						
In GALLONS.						
Side.	.5	.6	.7	.75	.8	.9
1	.01034	.0117	.0132	.0140	.0148	.0165
2	.0287	.0310	.0335	.0347	.0360	.0386
3	.0562	.0595	.0629	.0646	.0663	.0699
4	.0930	.0972	.1015	.1036	.1058	.1103
5	.1390	.1441	.1493	.1519	.1546	.1599
6	.1941	.2002	.2063	.2093	.2125	.2187
7	.2585	.2654	.2724	.2760	.2795	.2868
8	.3320	.3399	.3477	.3518	.3558	.3640
9	.4147	.4235	.4323	.4368	.4413	.4504
10	.5066	.5163	.5261	.5310	.5360	.5460
11	.6077	.6183	.6290	.6344	.6398	.6507
12	.7180	.7295	.7412	.7470	.7529	.7647
13	.8375	.8500	.8625	.8688	.8751	.8879
14	.9662	.9795	.9930	.9998	1.0066	1.0202
15	1.1040	1.1183	1.1327	1.1399	1.1472	1.1618
16	1.2511	1.2663	1.2816	1.2893	1.2970	1.3125
17	1.4074	1.4235	1.4397	1.4478	1.4560	1.4724
18	1.5728	1.5898	1.6070	1.6156	1.6242	1.6415
19	1.7474	1.7654	1.7835	1.7925	1.8016	1.8198
20	1.9312	1.9501	1.9691	1.9786	1.9882	2.0073
21	2.1243	2.1441	2.1640	2.1740	2.1840	2.2040
22	2.3265	2.3472	2.3680	2.3785	2.3889	2.4099
23	2.5379	2.5595	2.5812	2.5921	2.6031	2.6250
24	2.7585	2.7810	2.8037	2.8150	2.8264	2.8493
25	2.9882	3.0117	3.0353	3.0471	3.0589	3.0827
26	3.2272	3.2516	3.2761	3.2884	3.3007	3.3254
27	3.4754	3.5007	3.5261	3.5388	3.5516	3.5772
28	3.7328	3.7591	3.7854	3.7985	3.8118	3.8384
29	3.9995	4.0264	4.0537	4.0673	4.0810	4.1085
30	4.2750	4.3031	4.3312	4.3454	4.3595	4.3879

AREAS

AREAS of SQUARES.						
In GALLONS.						
Side.	.0	.1	.2	.25	.3	.4
31	4.4163	4.4448	4.4735	4.4878	4.5022	4.5310
32	4.7058	4.7353	4.7648	4.7796	4.7945	4.8242
33	5.0045	5.0349	5.0654	5.0807	5.0959	5.1266
34	5.3126	5.3437	5.3751	5.3909	5.4066	5.4382
35	5.6295	5.6618	5.6941	5.7103	5.7265	5.7590
36	5.9558	5.9890	6.0222	6.0388	6.0555	6.0889
37	6.2913	6.3254	6.3595	6.3766	6.3937	6.4281
38	6.6360	6.6710	6.7060	6.7236	6.7412	6.7764
39	6.9898	7.0257	7.0617	7.0797	7.0978	7.1340
40	7.3529	7.3897	7.4266	7.4451	7.4636	7.5007
41	7.7251	7.7629	7.8007	7.8196	7.8386	7.8766
42	8.1066	8.1452	8.1840	8.2034	8.2228	8.2617
43	8.4972	8.5368	8.5764	8.5963	8.6162	8.6560
44	8.8970	8.9375	8.9781	8.9984	9.0188	9.0595
45	9.3060	9.3474	9.3889	9.4097	9.4305	9.4722
46	9.7242	9.7666	9.8090	9.8302	9.8515	9.8941
47	10.1516	10.1949	10.2382	10.2599	10.2816	10.3251
48	10.5882	10.6323	10.6766	10.6988	10.7210	10.7654
49	11.0340	11.0790	11.1242	11.1468	11.1695	11.2148
50	11.4889	11.5349	11.5810	11.6041	11.6272	11.6735
51	11.9531	12.0000	12.0470	12.0705	12.0941	12.1413
52	12.4264	12.4743	12.5222	12.5462	12.5702	12.6184
53	12.9090	12.9577	13.0066	13.0310	13.0555	13.1045
54	13.4007	13.4504	13.5001	13.5251	13.5500	13.6000
55	13.9016	13.9522	14.0029	14.0283	14.0537	14.1045
56	14.4117	14.4632	14.5148	14.5407	14.5665	14.6183
57	14.9310	14.9835	15.0360	15.0623	15.0886	15.1413
58	15.4595	15.5129	15.5663	15.5931	15.6199	15.6735
59	15.9972	16.0515	16.1058	16.1330	16.1603	16.2148
60	16.5441	16.5993	16.6545	16.6822	16.7099	16.7654

AREAS

AREAS of SQUARES.						
In GALLONS.						
Side.	.5	.6	.7	.75	.8	.9
31	4.5599	4.5889	4.6180	4.6326	4.6472	4.6765
32	4.8540	4.8840	4.9140	4.9290	4.9441	4.9743
33	5.1573	5.1882	5.2191	5.2346	5.2501	5.2812
34	5.4698	5.5016	5.5335	5.5494	5.5654	5.5974
35	5.7915	5.8242	5.8570	5.8734	5.8898	5.9228
36	6.1224	6.1560	6.1897	6.2066	6.2235	6.2574
37	6.4625	6.4970	6.5316	6.5990	6.5663	6.6011
38	6.8118	6.8472	6.8827	6.9005	6.9183	6.9540
39	7.1702	7.2066	7.2430	7.2613	7.2795	7.3162
40	7.5379	7.5751	7.6125	7.6312	7.6500	7.6875
41	7.9147	7.9529	7.9912	8.0103	8.0296	8.0680
42	8.3007	8.3398	8.3790	8.3987	8.4183	8.4577
43	8.6960	8.7360	8.7761	8.7962	8.8163	8.8566
44	9.1004	9.1413	9.1824	9.2029	9.2235	9.2647
45	9.5140	9.5558	9.5978	9.6188	9.6399	9.6820
46	9.9368	9.9796	10.0224	10.0439	10.0654	10.1085
47	10.3688	10.4125	10.4563	10.4782	10.5001	10.5441
48	10.8099	10.8545	10.8993	10.9217	10.9441	10.9890
49	11.2603	11.3058	11.3515	11.3743	11.3972	11.4430
50	11.7199	11.7663	11.8129	11.8362	11.8595	11.9062
51	12.1886	12.2360	12.2835	12.3072	12.3310	12.3787
52	12.6666	12.7149	12.7633	12.7875	12.8117	12.8603
53	13.1537	13.2029	13.2522	13.2769	13.3016	13.3511
54	13.6500	13.7001	13.7504	13.7755	13.8007	13.8511
55	14.1555	14.2066	14.2577	14.2833	14.3090	14.3603
56	14.6702	14.7222	14.7743	14.8003	14.8264	14.8787
57	15.1941	15.2470	15.3000	15.3265	15.3531	15.4062
58	15.7272	15.7810	15.8349	15.8619	15.8889	15.9430
59	16.2695	16.3242	16.3790	16.4065	16.4340	16.4890
60	16.8210	16.8766	16.9324	16.9603	16.9882	17.0441

AREAS

AREAS of SQUARES.						
In GALLONS.						
Side	.0	.1	.2	.25	.3	.4
61	17.1001	17.1562	17.2125	17.2406	17.2687	17.3251
62	17.6654	17.7224	17.7796	17.8081	17.8368	17.8941
63	18.2398	18.2978	18.3558	18.3849	18.4140	18.4722
64	18.8235	18.8824	18.9413	18.9708	19.0004	19.0595
65	19.4163	19.4761	19.5360	19.5660	19.5960	19.6560
66	20.0183	20.0791	20.1399	20.1703	20.2007	20.2617
67	20.6296	20.6912	20.7529	20.7838	20.8147	20.8766
68	21.2500	21.3125	21.3751	21.4065	21.4379	21.5007
69	21.8795	21.9430	22.0066	22.0384	22.0702	22.1340
70	22.5183	22.5827	22.6472	22.6795	22.7118	22.7764
71	23.1663	23.2316	23.2970	23.3297	23.3625	23.4281
72	23.8235	23.8867	23.9560	23.9892	24.0224	24.0889
73	24.4898	24.5570	24.6242	24.6574	24.6915	24.7590
74	25.1654	25.2335	25.3016	25.3357	25.3698	25.4382
75	25.8501	25.9191	25.9882	26.0228	26.0573	26.1266
76	26.5441	26.6140	26.6840	26.7190	26.7540	26.8242
77	27.2472	27.3180	27.3889	27.4244	27.4599	27.5310
78	27.9595	28.0312	28.1031	28.1390	28.1750	28.2470
79	28.6810	28.7537	28.8264	28.8628	28.8993	28.9722
80	29.4117	29.4853	29.5590	29.5958	29.6327	29.7066
81	30.1516	30.2261	30.3007	30.3380	30.3754	30.4501
82	30.9007	30.9761	31.0516	31.0894	31.1272	31.2029
83	31.6590	31.7353	31.8117	31.8500	31.8882	31.9648
84	32.4264	32.5037	32.5810	32.6197	32.6585	32.7360
85	33.2031	33.2813	33.3595	33.3987	33.4379	33.5163
86	33.9889	34.0680	34.1472	34.1868	34.2265	34.3058
87	34.7840	34.8640	34.9441	34.9842	35.0243	35.1045
88	35.5882	35.6691	35.7501	35.7907	35.8313	35.9125
89	36.4016	36.4835	36.5654	36.6064	36.6474	36.7296
90	37.2242	37.3070	37.3898	37.4313	37.4728	37.5558

AREAS

AREAS of SQUARES.						
In GALLONS.						
Side	.0	.1	.2	.25	.3	.4
61	17.3816	17.4382	17.4949	17.5232	17.5516	17.6085
62	17.9515	18.0090	18.0665	18.0954	18.1242	18.1820
63	18.5305	18.5889	18.6474	18.6767	18.7060	18.7647
64	19.1188	19.1781	19.2375	19.2672	19.2970	19.3566
65	19.7162	19.7764	19.8368	19.8670	19.8972	19.9577
66	20.3228	20.3840	20.4452	20.4759	20.5066	20.5680
67	20.9386	21.0007	21.0629	21.0940	21.1251	21.1875
68	21.5636	21.6266	22.6897	21.7213	21.7529	21.8162
69	22.1978	22.2617	22.3257	22.3578	22.3898	22.4540
70	22.8412	22.9060	22.9710	23.0035	23.0360	23.1011
71	23.4937	23.5595	23.6254	23.6583	23.6913	23.7573
72	24.1555	24.2222	24.2890	24.3224	24.3558	24.4228
73	24.8265	24.8941	24.9618	24.9956	25.0295	25.0974
74	25.5066	25.5751	25.6437	25.6781	25.7124	25.7812
75	26.1960	26.2654	26.3349	26.3697	26.4045	26.4743
76	26.8945	26.9648	27.0353	27.0706	27.1058	27.1765
77	27.6022	27.6735	27.7448	27.7806	27.8163	27.8879
78	28.3191	28.3913	28.4636	28.4998	28.5360	28.6084
79	29.0452	29.1183	29.1915	29.2282	29.2648	29.3382
80	29.7805	29.8545	29.9287	29.9658	30.0029	30.0772
81	30.5250	30.6000	30.6750	30.7120	30.7501	30.8254
82	31.2787	31.3545	31.4305	31.4685	31.5066	31.5827
83	32.0415	32.1183	32.1952	32.2337	32.2722	32.3493
84	32.8136	32.8913	32.9691	33.0080	33.0470	33.1250
85	33.5949	33.6735	33.7522	33.7916	33.8310	33.9099
86	34.3853	34.4648	34.5445	34.5843	34.6242	34.7040
87	35.1849	35.2654	35.3460	35.3863	35.4266	35.5074
88	35.9938	36.0751	36.1566	36.1974	36.2382	36.3199
89	36.8118	36.8941	36.9765	37.0177	37.0590	37.1415
90	37.6390	37.7222	37.8055	37.8472	37.8889	37.9724

(G g)

AREAS

AREAS of SQUARES:						
In GALLONS:						
Side.	.0	.1	.2	.25	.3	.4
91	38.0560	38.1397	38.2235	38.2654	38.3074	38.3913
92	38.8970	38.9816	39.0663	39.1087	39.1511	39.2360
93	39.7473	39.8327	39.9183	39.9612	40.0041	40.0899
94	40.6066	40.6930	40.7796	40.8228	40.8662	40.9529
95	41.4751	41.5625	41.6500	41.6937	41.7375	41.8251
96	42.3529	42.4412	42.5295	42.5738	42.6180	42.7066
97	43.2398	43.3290	43.4183	43.4630	43.5077	43.5972
98	44.1360	44.2261	44.3163	44.3615	44.4066	44.4970
99	45.0413	45.1324	45.2235	45.2691	45.3147	45.4060
100	45.9558	46.0478	46.1399	46.1859	46.2320	46.3242

AREAS

AREAS of SQUARES:						
In GALLONS:						
Side.	.5	.6	.7	.75	.8	.9
91	38.4754	38.5595	38.6438	38.6859	38.7281	38.8125
92	39.3210	39.4060	39.4912	39.5338	39.5764	39.6618
93	40.1757	40.2617	40.3478	40.3909	40.4340	40.5202
94	41.0397	41.1266	41.2136	41.2571	41.3007	41.3879
95	42.9129	42.0007	42.0886	42.1326	42.1766	42.2647
96	42.7952	42.8840	42.9728	43.0172	43.0617	43.1507
97	43.6868	43.7764	43.8662	43.9111	43.9560	44.0460
98	44.5875	44.6781	44.7688	44.8141	44.8595	44.9504
99	45.4974	45.5889	45.6805	45.7263	45.7722	45.8640
100	46.4166	46.5090	46.6015	46.6478	46.6941	46.7868

GENERAL

GENERAL

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