

Seattle University

ScholarWorks @ SeattleU

Notebooks, ca. 1929-1940; n.d. [E.M.S.]

Series II: Literary Productions, ca. 1919-1979;
n.d.

July 2022

Box 13, Folder 09 - Notebook "Index" (E.M.S.)

Edwin Mortimer Standing

Follow this and additional works at: <https://scholarworks.seattleu.edu/standing-notebooks>

Recommended Citation

Standing, Edwin Mortimer, "Box 13, Folder 09 - Notebook "Index" (E.M.S.)" (2022). *Notebooks, ca. 1929-1940; n.d. [E.M.S.]*. 9.

<https://scholarworks.seattleu.edu/standing-notebooks/9>

This Article is brought to you for free and open access by the Series II: Literary Productions, ca. 1919-1979; n.d. at ScholarWorks @ SeattleU. It has been accepted for inclusion in Notebooks, ca. 1929-1940; n.d. [E.M.S.] by an authorized administrator of ScholarWorks @ SeattleU.

Index

BOOK

RULED - FEINT - LINES

Name

.....



Book I

1. Open Day. March.
Independence and Freedom.
(Copied out)

2. March 27th. Imagination

Child has it
with observing
that material.

p. 24. - an inner power which
seems to come from above down
not from below up

Man born with this energy.

[Bit of confusion of terms. Imagⁿ.
and Ideas - Really speaking in
part of Intellectual Agents.

An Inner Construction in Man

Escarpote sounds in an empty house

Imagine a person

Similar to children.

Sees Mother as Symbol

p 33. Religion. Guardian Angels
(or Fairies) (good)

True Function of Intel^l.

Creature. p 34

Useless without Path of Work p 35

Work. Destiny of Man

Faulting & Practical Problems

Nervous Child

Not sufficient for H.C. mind

Must give work for Other Functions

Observation. Intell^l. Action

Let H.C. mind Choose p. 37

Agreat Faculty compelling

To a Great Task

Discipline

3

At the End of Book

Child The Centro Direttivo del Metodo

Common Misapprehensions

Discipline

Leaving to himself

Not Correcting Bambino

[Negative Facts]

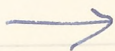
Ambient Education

Ⓐ Mezzi - for working alone

Ⓑ Help of the Adult.

Smile of Prayer

Do it with help but by
myself



Book II

March 30th Mathematical Value of Human ^{Mind}
Two forms of Intelligence

Pascal.

Imagination versus Facts.

Insult.

Cosmic Functions

[a good Introduction to Supernatural]

March 31st Cosmic Act of Life
Corals - Water etc.

April 17th Un Essere Assoluta

~~Bo~~ " Not Teacher - Interpreter

Amos of Ed. re Social Control

The Absorber.

Eating, sleeping, smiling -

Carries next Generation

Differs in Diff Periods

Book 1

Chapter 1 - The Nature of the Problem

Chapter 2 - The Nature of the Problem

Chapter 3 - The Nature of the Problem

Chapter 4 - The Nature of the Problem

Chapter 5 - The Nature of the Problem

| →

Objections Answered

Absorption and Activity

Not a falso consensus

through Movement

Experience

with Effort

At all ages The same

"The Son of Man"

How To Present this Complex Event?

Stages of life + }

Planes of Edⁿ }

All Sides of Life — not Intelligence

alone

p25.

Activity helps not hinders Int. Develⁿ

of Physical Needs.

Danger of Too much Intellect only

Examples Back to Nature?

Not keep him at animal or
primitive level.

Ex. from Drainishment

A human ritual

"Dine not-fud"

Social Pact - A Meal.

Banquets -

Wedding. Funerals. Birth.

Marriage. Political. -

- even Religion.

April 18th The Absorber Could

Absorbs - Constructs on Higher Plane

Abstraction.

"Intellectus Agens"

Understanding and Symbols

Helped by Symbols

Eg Gras The World. Hallau



Materials not an Obstacle
but a Help.

Principles of Symbols in Schools.

A Difference To Help:-

(a) Help with Materials

53

(b) Teach by means of them
Functions of Materials. — p 38

Simile of Bank & Cheques.

Must be accurate

Help eg with Biology System
[not touch all the leaves!]

April 24th Building Inner World

Wide Contact with world
Wider than with Senses.

"Idiot" "Imbecile"

(Isolated) (Independent)

Function of Materials

Order.

Extensions

Intellectual Expansion
Conditions of

Do it anyhow - but

Now with
Control of Errors

The Word Fixes

Importance of Word.

In clarifying Ideas.

Keys to The Universe

Presentation

The General Principle

(all fields of Knowledge)

① The Whole in an Ordered Way

② Then The Details

Ex. Birds Eye View of D.S.

Biology.

Geog. - History

||||| Details come later - but on
a Higher Plane

So An Ordered World

Outside and

within

p 62

of Gardener or Scientist, 59.

"Now I know everything!"

"Wings of Knowledge"

Circles (Emerson)

Pr^m of Systema Ordinata.

"Inner Connexion"

He wishes it

- Wishes to know the whole.

Begin with an "Insience".

Build a Vast World.

Help of Materialized Abstraction.

Just what they are

of Cards at hand

for Biology.

cf Fraebel. +
Gerhardt on the Problem.

64-75

April 25th

Orientation to

History Wider Social
Existence

General Principle Enthusiasm

Creeds enthusⁿ something vital

Rule with C. exception with A.

Treasure this Vitality

S.P. ← Enthusiasm

Terreno fertile

Involutions = S.P.

Orientation to Social Life

First Stage no Problem

Narrow Circle Family & School Inf.

Direct Contacts - so no problem

Problem.

Bring to C. into contact with a

Wider Circle of Humanity

Open a door to something

"put in là."

Sentiment will increase

How to do it.

Example The Pen

The Shop

The Wonder of a Shop - Shopwoman

The Way of Wonder. 70 a.

"all depends how etc.

The Baker.

Principle To awaken a consciousness
of Social Unit. — to 72

Ex. This Rose

Super Nature

The Unknown Man who works for me

The Super-Nature

Man of Animals. —

Units of mankind.

May 1st History 76-91

Distinction Differ Bet. Past & Present

Present Key to the Past

of Physiography and Geology

Pedag. Principle.

From the Beginning Dist. Past to Present

E.g. List of Kings of England p 77

Must not be overcome by the Past
nor Despire the Present.

We are ignorant of the Present
more than Inferior Complex!

must give

Enthusiasm for the Present

By Study of Origins

E.g. WRITING. READING etc

Send down "Roots of Gratitude"
into the Past. The Cult of the Dead.

History and Admiration

Preparing the Social Sentiment

Our Am. The Responsibility of the Present
to the Future

Ped. Principle

Choose something to C

is already interested in. - e.g. Writing.

Re-live Historical Development:

Eg The Tower of Babel

Picture.

This mysterious, patent means —
Language.

Writing

Symbolic form Ideographs.

Examples.

Boy. Scouts.

May 2nd History (Contd.)

The Curious Symbol



oil
water etc.

Principle for History.

Present must give first interest

HISTORY OF WRITING

1. Ideography. —

Eg. Sun God. —

Large, sensual ideas

2. Pictography

Good for Reading"

Director to a small limited thing
limited and precise

not idea but word

Examples. 13.93

3' The Syllables - + Rebus.

Sounds separate - a new interest

Further Progress. - più piccolo.
more shudrato, annullato, più
contratto. -

The last Slip Missing

4' Letters

Instead of syllables, sound with
no meaning in itself

Enormous Import Discover

History Begins

The Wonder of Expressing Ideas on Paper

should be "molto sentito"

On Reading

"Chi ti ha detto farlo?"

Historical Developments of
Discovery of Writing

Teach with little stories

Problem - what to write on.

In animals

Three Kingdoms

Veg: animal: Mineral.

Papyrus

Volume



No more papyrus

Pergament

The Book

END OF BOOK TWO

BOOK THREE

May 4ⁿ Money - Means of
Perhension

In Supernature all is legato
as Language a meaus to unna
unna so

Money -
and a secret power.

① Money in its Present Aspect

Cardboard money (in degnis)

Need a more nable conception
of Animals other needs.

Man. Shops.

This Thing Unknoun in Nature.

between Man and It Olyed-

^{organ}
Means of Perhension

"Metal Key"

Child must Have Experience

This Unit of Value

"Shillings worth"

Shilling has not disappeared

Circulates "Sempre Pa stessa shilling!"

This kind shilling.

Bought £80 000 worth

If put in money-box.

Come niente:

Circulate!

As charity.

Not for charity: Production and
Exchange.

A means of Production.

May 8th Money (Continued)

We must arouse interest

Stimulate ideas

Can't be done by Teaching only here

1) By activity. exper

2) By our insistence

What is money? Answer An Experience
first.

Important. Can't Buy without money
money and Work.

Vendable things represent Work

Must be Experience

- a) Produce something by Work
- b) Buy as well.

Money legato to Social life

Money and the Consumption of life

- 1) To have what is necessary for life
- 2) To be able to defend ones rights
Not to be held as slaves

Clear ideas.

[Dangers of a false financial system]

Conscience Instruction Necessary.

including History, Geography, Maths, Production

Aim. Understand money in relation
to Individual.

and Society - not finish like "the
man in the street"

Against Egoism as well as Ignorance

Not only an Indiv. but a
Wide Social Problem.
must see it as a whole.

Ped. Princ. must present it in a
attractive imagination

Not keep me to Material Side (Senses)
but imagination. History, Reality behind
The Story of Ali Hassen.

A symbolic map.

Worlds Products

The Common Means

Progress Involves Agreement

Each New Progress a New Agreement

The Material? - must be

strong, mannagivale, wear well

rare - Gold

The Gold-Diggers

Good facilitated Exchange of Goods

From Gold Bars to Coins

Numismatics

use in Teaching History

Next Stage - Money So Heavy in to Bank
So Banks.

Paper Money

Banks use to money

A New Conception

So - a Development

Can't give all this at once. - but
give ① practical possibilities of studying

② By means of a material

New Conceptions with Money

① How to measure Goods

Done by Practice (cf earlier
expts with air matter)

2) In Arith^c. - Study of Capital
and Interest

So all goes gradually as
other subjects go gradually.

May 9th

The Metric System

The Principles

Civilization and Mutual Agreements
without agreement - arrest.

Two things help. Two Evalⁿ

- 1) New Knowledge
- 2) Agreements

Culture not an Individual Product
of a great number.

Ever get Progress Comes f. a certain level

There 3: Money

Exchange

and Measurement

Measurement has a constant basis

To find a Unusual Basis

For all equally - local standards.

The Metre - How found

Platinum Bar

Mont. Nat. a " Propaganda for the

Metric System.

Decimal System & Metric Sys. Hand-in-hand

Mr. B This has been
Copied out.
in full.

May 10th Social Eschews to Prep Emmit

MS

The Pt of View (Copied out)

Social Eschews.

Self Confidence & Character

Things you can't Teach

But you to means

Respect for Servant Class

Stable Relations in Emmit.

Attention drawn to Emmit.

Love to the Emmit

Arises a new Sentiments

Not a Possessive Sentiments

Joy of Ownership of a new kind

Smile of newly married couple

Wider than Justice.

Value for Future life

Banquet of Sentiments

The Disaster shows the merit of

End of Book 111

Book IV

①. Plane I - Social life
Grey Book

May 15th Plans of Edⁿ. Social Life (Contd)

Conduct at
Society Board

Plans for Infants "Luago Chuso"

Sexual years

Aims. 1) Take from Inst

2) Develop Interest.

Also Social life.

Rules for later Social life in these Plans

Good Manners

Principles: 1) Fair here better

2) Can regulate.

Can't be taught directly. —

but) a) rules 2) Parent. 3) Liberty.

Comes like Reading or Writing proo-a-proo.

Plans of Immediate Social Conducts

Sensory - motor.

Examples Salutation Personal ^{work} apparel

Hospitality

Continuous Actions.

Eating: etc

Principle. Repetition. — Life - Inst. Practice

Knowing not enough -

a) Preparation b) Perfectionment.

On Being Well-Dressed

For others - The Wise Master

Aesthetic Sensibility

Cause of Vanity - Erosity.

Contact with Nature

C's characteristics

Details of Biology - augment love

Aquarium. "Interest"

Not possessive.

Plane of Superficial Contacts }
This duo Chuso

Spiritual Education

Complete in itself - yet

Preparation for same thing on a

higher plane

"I know everything"

Goes to C. a sense

of power + confidence

Obedience

Grey BK
Tomcat

Not a natural fact - Supernatural
Analyses of Obed^c -

not a "learned natural"

Compared with Self-Acting.

Shouting at the Disobedient!

No rational connexion.

This "struggle" causes

Esc. an Infant to us to us!

manca svaluppo

O. requires Inner Formation

① An inner Duet.

② Rapport between Persons

Something a) creature b) social c) Ind.

So require a) Ind. creati in se

b) Social Envt. where new rapport
to be created

Highest Stage

C. obeys with his own will
desires to obey.

Submission and Obedience Compared

Inclusion end -

Submission a) desubers if chance
or b) resigned - like a dog.

Examples of Preparation. (wO)

Monaster

Army.

Obedience a Great Conquest

"My ability may be so

To Obey I must

- a) Be able to Interpret
- b) To carry out (I am proud -
"It is an order"

Obedience on All Planes of Life

Each level a new kind

Obedience is a Long Journey

|| a conquest - but

Sattonessa is not a conquest

Importance Politically

Must distinguish from Beginning
Nazi. Submission
National Significance
Submission or Obedience

On this Piano Puro . O. is a direct
affair

Does not come about

by 1. order then 2 then 6 etc

Ex of P. L. and Obedience

Lead to Central of Self

Si pno obidiorie

Inner Wealth -

Examples

Has learnt how is proud.

Science Lesson Example

Obed. An Ascension of Personalities
of Me Lures Artells - Ex Lay to Table

Examples tax table touch being

Tax of obedience.

How moral -

So Obedience a Tax in ~~the~~
in Purgatory
in Heaven

"Commends me to go along the
path of self-realization ...

Helping me to further conquests

Simile Mother leading by hand

Book 10 II Social Contacts Cont'd

in Lingo Chruso (Grey BR)

Child Centre of Farmers.

Wrong Nations - Religious Edⁿ

God-kind of Syllabism. Sense of

Security. Work of C + A compound

Normalized Child

Planes of Edⁿ.

Book IV Contd.

III Adolescent EDⁿ Kingsley Hall

Characteristics of Adolescent - Neonate

Change of EDⁿ follows change of life

The New Unit. Erde-Kinder in Independence

Economic Indep. - Example U.S.A.

Work is Rest. Renaissance of Work

Three Forms of Work for Adscet -

Culture - New & old methods -

Valuation of P.Y. - Fatigue

Hand & Brain: Summation of to

Two legs - Effect on Family.

Book IV 4. Planes of Edⁿ.

Metamorphoses

Growth not uniform. S.P. & Metamorphoses

Stages defined with Ages

Subdivisions. 0-7 : 7-12 : 12-18

Definition of Edⁿ keeping life

Planes & Transitions

Characteristics of 7-12

Strong stage.

Interruption of Culture

Neurotic or weaker (12+-)

a) Physical (see above)

b) Psychical

c) Social & moral Dual

Luogo chiuso insufficient. - Orientations Miching

To organize Government -

Edⁿ & Integral P^y (89)

Boy Scout Movement.

Passage tr. 5 Model to 7-12

Contrasts Planes I + II

Book IV

Orientation in Moral Sphere

Problem of Good Will

S.P. for inner Conscience - Morals

Question of Justice -

True + false ideas of Justice

Social Ethics. Compromise Plans 1-7

Cf Ex of P L + Moral Efforts

Nature of Perfection -

Need sort of Independence

Morals - now - not good manners

Awakening of moral sentiment

The Point of Departure 102

A Moral Union -

Freedom of Consent

Its limits - how made

Call for effort in

higher plans

End of Bk IV

Book V

① Child of 7 Cont'd

"This Permanent!"

New Interests - Abstract

⊙ Actions

⊙ Causes.

Neonate in abstract world

Needs order -

+ Limits of keep

Re-Births are Dangerous

How to keep. p. 5.

Limits of Invention to

Certainly Securezza

Balance Between Thought & Action

Keep mind to Reality

How to keep. By Inst. - Expe

Seeds of Sciences

Preuse Actions

Interest in Reading & Action

Examples

Begin Geometry.

Science Book.

Algebra etc.

Physiography etc.

Seeds of Science.

Case of the Feet pages 11 & 12

Preparing to go out

Seguin's system on this

Eye Clashes -

Guide - maps e.g. Road Sign

etc.

Teacher Attitude. (14)

Keep him - to go alone

② After Visit to Halland

You have seen. " reveals with
an incredible simplicity

An Emotion - a Call

The Beginning

Confusion - a New Method?

a Presence with?

pt ①⑦ The Simple Truth - A Higher Child
Be Carnageous

How to Offer Difficulties

A Life like si svalga

Smile of Pearl in His Throat

At once Simple & complicated - life

A New Road - A New Work

The Burden of the Grocer

More than Learning - A Dedication

The Word Agnes

What happened 25 yrs ago

who would have doubled a Triumph
Teaches too". "Give up writing"
Method mixed with others

Confusion

The mind & Mathematics

Memory - a mirror of something profaned

Takes - what he loves - Truth

Infant Prodiges or Diminished Being

Power Deviation

Means a Great Struggle

Seeing not Believing (Gratze)

Blind Prejudices

20-30 Years Necessary

New Man will Solve New Problems

V (3) Social Experiences By Living

a traverso l'attività

Social life Valore di P?

Limitations of Boy Scout Meet

- Staecato "to Cultures

Going Out - T.'s Day

Continuous vigilance over our Actions
by Social Experiences

Thus a Day - not an abstract learning

Preparation for Going Out

Can't give Freedom outside at mee
So A Preparation

Trails etc -

7 Interest in Seeking + Crocodile

Must be Inner Action

Animal Trails . Keys of Universe

The Match Stuns

Clothing

Paras etc

V (4) Development of Group

Central of Error. - here by Attention
in Actions

Eg On Clothes

Birth of a Self Conscious Group

Not exclusive in aim - a social fact

Comparison Plans I + II

Stage I. C. an Individualist.

Stage II Group Develops.

Not by juxtaposition

Not passive - actively together

|| Develops Sensibilities thro' Action
which lead to Awareness of Group

So distinguishes his group.

So comes Spirit of Propaganda

The New Independence

Not doing alone (washing up)

But goes out alone etc

Sheep - lacking Independence

Dignity - this Independence

51 Independence depends on Inner Preparation

Example to Fascism

"You can go out alone

Good up to a point.

Social Valorization of Childhood

Don't miss the point. because others abuse it

The Fundamentals

Charabry -

Preparation necessary - to help walk

Road Sense -

First Aid

Again Una vita che si svolge

Preparation gives dignified strength

Orientalism - Spare Time

So Culture is Brought In

to School by these C. that go and

Carried to Daddy Umbrella

V (5) Going Out + Culture

Going out - resolves a cultural problem

As well as character.

A great urge to Edⁿ - Culture

Open a Door of Great Importance

Other Pictures

① words only ② other Pictures.

③ Remains to be Pictures

④ Come Third Dimensions - Objects

(reduced still more)

⑤ School museum. -

(Children shut in objects shut in)

So C. - indelible undisturbed

Going Out Goes to mind to C.

and Doesn't cost anything

Other - not other pictures

Difference is - going out

Involves 1) Human regard

2) moral regard

3) Social Expos. + other

Then - the Great Triumph

How Can We Give to World?

By a Sample
Eg Nature Study

Insects same everywhere

A Sample - and Imagination

Reading - nat books

Eg "Stirring of a Wood"

Nature of Saul of C nat Hygiene

Child who never saw the Stars

Too much Hygiene - Escamples

Samples - + Imagr.

A method of Universal Culture

Possessing Real Things gives

a) real culture

2) Inspiration -

3) Wants to know more

(Range of Interest)

So going out gives a new key

+ a Culture more intense

in depth

[6] The Whole First Then Parts

The approach to the intellect
Wants not facts - cause
Give whole. - because you can see
the "Inner Connexions"
Not so easy. T. must have a first
Connexion had a good idea
T. must be a philosopher
Calling (now) the Soul of the C.
Interest - not language
How to arouse Interest -
Begin with the need.
Then later to details
Give it as grandiose
Must arouse imagination "sempre"
Is no other way.
Something "grandiose +
united"
But Imagination based on Realities
on Some Real Details

Without Some Reality - Imagination "in a Vain"
Our Plan of Study

① The Whale -

② Systematic Details

Example "Living Beings"

System. not memory

My ideas old-fashioned but future

Example Table of Pythagoras

Reason helps memory

Third Dimensional Knowledge

Advantages of The Whale

So Begin with 10 and

Black or White Globe

Example Water in 10 Globe

(a lot about water 78-79)

So all is Correlated

One ramification of Knowledge for a Detail

"Peccata Logica"

Mathematics helps Imagination

This Cosmic Delectation

End of Book 5

Book VI Sowing the Seeds of the Sciences

Enthusiasm Pt of Dependence

This Plane 7-12

General Principles.

Water.

Ocean Currents.

Chemistry →

Inorganic

Organic

Pages 1 - 52

all copied in Black Book.

Book VI . cines The Point of Contact
copied in Grey Book

Book VI The Consent of the Child
copied in Grey Book.

End of Book VI

VI

Seminar Series

Principles. Wald-

Currents. Chem

Organic Chem etc

~~pt of Contact } Copied well~~
~~Assent~~

VII

Chemistry (Contd)

(+ Principles again)

(Lectures only)

VIII

① Social Questions to Chem ✓

② Last Lecture 1939 ✓

(copied in book)

Book I

Book (2)

Copied out
Big
Copied into ~~Book~~ Book
to page 81

Writing history of skull left

Book III

① Money

② Metric System

③ Copied out Grey Book

Book IV

I + II Plano I

Social Contacts etc

Copied out Grey BK

III - IV (Kingman Hall)
Adamsent Edm

Metaphors: 7-12

Copied out

Book V ① 7-12 (Cont'd) Gang Out. ✓

② Alto Visit to Hallans 16 -
General + History ✓

③ Social Exten. Scouts - Gang Out ✓

④ Birth of a Gang - Gang Out -
Social Valenon. ✓

Gang Out - Second Stage ✓

⑤ Gang out + Culture
Gang to whale. ✓

Copied
in book

ARITHMETICAL TABLES

Numeration Table.

Units	1
Tens.....	1 2
Hundreds.....	1 2 3
Thousands	1, 2 3 4
Tens of Thousands.....	1 2, 3 4 5
Hundreds of Thous' ds	1 2 3, 4 5 6
Millions	1, 2 3 4, 5 6 7
Tens of Millions...1	2, 3 4 5, 6 7 8
C. of Millions...1	2 3, 4 5 6, 7 8 9

Sterling Money Table.

4 Farthings.....	1 Penny... <i>d</i>
12 Pence	1 Shilling... <i>s</i>
2 Shillings	1 Florin
2 Shillings & Sixpen	1 Half-Cr'n
5 Shillings	1 Crown... <i>cr</i>
10 Shillings	1 Half-Sov.
20 Shillings	1 Pound... <i>£</i>
21 Shillings	1 Guinea

Arithmetical Signs.

- + Plus: Sign of Addition
- Minus: Sign of Subtraction
- × Sign of Multiplication.
- ÷ Sign of Division
- = Sign of Equality
- : :: Sign of Proportion
- √ Sign of Square Root
- ³√ Sign of Cube Root
- ° Degree, ' Minute, " Second
- * * Therefore

Troy Weight.

For Gold, Silver, and Jewels.

24 Grains ...1	Pennyweight... <i>dwt</i>
20 Pennyweights ...1	Ounce... <i>oz</i>
12 Ounces	1 Pound... <i>lb</i>

Apothecaries' Weight.

For Mixing Medicines.

20 Grains.....	1 Scruple... <i>scr</i>
3 Scruples.....	1 Dram... <i>dr</i>
8 Drams.....	1 Ounce... <i>oz</i>
12 Ounces	1 Pound... <i>lb</i>

Avoirdupois Weight.

For all goods except Gold, Silver and Jewels.

16 Drams	1 Ounce... <i>oz</i>
16 Ounces	1 Pound... <i>lb</i>
14 Pounds	1 Stone... <i>st</i>
28 Pounds	1 Quarter... <i>qr</i>
4 Quarters ...1	Hundredwt... <i>wt</i>
20 Cwt	1 Ton... <i>tn</i>

Hay and Straw Weight.

36 lb Straw	1 Truss
56 lb Old Hay	1 Truss
60 lb New Hay	1 Truss
36 Trusses.....	1 Load

Long or Lineal Measure.

12 Lines	1 Inch... <i>in</i>
12 Inches	1 Foot... <i>ft</i>
3 Feet	1 Yard... <i>yd</i>
2 Yards.....	1 Fathom... <i>f</i>
5 ¹ / ₂ Yards.....	1 Pole
40 Poles	1 Furlong... <i>fur</i>
8 Furlongs or 1,760 yards	1 Mile

Cloth Measure.

2 ¹ / ₄ Inches...=1	Nail
4 Nails ...=1	Quarter of a Yard
4 Quarters=1	Yard

Solid or Cubic Measure.

1728 Cubic Inches=1	Cubic Foot
27 Cubic Feet...=1	Cubic Yard
24 ¹ / ₂ Cubic Feet =1	Solid Perch mason's work
12 ¹ / ₂ Cubic Feet =1	Solid Perch brickwork

Imperial Heaped Measure.

Lbs. Avoird. of Water

8 Gallons...=1	Bushel ...= 80
3 Bushels...=1	Sack ...= 240
12 Sacks ...=1	Chaldron ...2880

Imperial Dry Measure.

Avoird. of Water lb oz

2 Glasses	1 Noggin = 0 5
4 Noggins.....	1 Pint... = 1 4
2 Pints.....	1 Quart... = 2 8
4 Quarts	1 Gallon = 10 0
2 Gallons	1 Peck ...= 20 0
4 Pecks.....	1 Bushel = 80 0
8 Bushels.....	1 Quarter = 640 0

Square Measure.

144 Square Inches=1	Square Foot
9 Square Feet =1	Square Yard
30 ¹ / ₂ Square Yards=1	Square Pole
40 Square Poles =1	Rood
4 Roods	=1 Acre

Table of Motion.

60" Seconds	=1 Minute
60' Minutes	=1 Degree
30° Degrees	=1 Sign
12 Signs, or 360°...=	the circle of the earth

Table of Time.

60 Seconds.....	1 Minute
60 Minutes.....	1 hour
24 Hours	1 Day
7 Days	1 Week
4 Weeks	1 Month
365 Days	1 Year
366 Days	1 Leap Year
52 Weeks	1 Year
12 Calendar or 13 Lunar Months	1 Year

Days in the Months.

Thirty days hath September,
April, June, and November,
All the rest have thirty one,
Excepting February alone, [clear
Which has but twenty-eight days
And twenty-nine in each leap year

MULTIPLICATION TABLES

	2	3	4	5	6	7	8	9	10	11	12
TIMES	TIMES	TIMES	TIMES	TIMES	TIMES	TIMES	TIMES	TIMES	TIMES	TIMES	TIMES
1 are 2	1 are 3	1 are 4	1 are 5	1 are 6	1 are 7	1 are 8	1 are 9	1 are 10	1 are 11	1 ... 12	
2 ... 4	2 ... 6	2 ... 8	2 ... 10	2 ... 12	2 ... 14	2 ... 16	2 ... 18	2 ... 20	2 ... 22	2 ... 24	
3 ... 6	3 ... 9	3 ... 12	3 ... 15	3 ... 18	3 ... 21	3 ... 24	3 ... 27	3 ... 30	3 ... 33	3 ... 36	
4 ... 8	4 ... 12	4 ... 16	4 ... 20	4 ... 24	4 ... 28	4 ... 32	4 ... 36	4 ... 40	4 ... 44	4 ... 48	
5 ... 10	5 ... 15	5 ... 20	5 ... 25	5 ... 30	5 ... 35	5 ... 40	5 ... 45	5 ... 50	5 ... 55	5 ... 60	
6 ... 12	6 ... 18	6 ... 24	6 ... 30	6 ... 36	6 ... 42	6 ... 48	6 ... 54	6 ... 60	6 ... 66	6 ... 72	
7 ... 14	7 ... 21	7 ... 28	7 ... 35	7 ... 42	7 ... 49	7 ... 56	7 ... 63	7 ... 70	7 ... 77	7 ... 84	
8 ... 16	8 ... 24	8 ... 32	8 ... 40	8 ... 48	8 ... 56	8 ... 64	8 ... 72	8 ... 80	8 ... 88	8 ... 96	
9 ... 18	9 ... 27	9 ... 36	9 ... 45	9 ... 54	9 ... 63	9 ... 72	9 ... 81	9 ... 90	9 ... 99	9 ... 108	
10 ... 20	10 ... 30	10 ... 40	10 ... 50	10 ... 60	10 ... 70	10 ... 80	10 ... 90	10 ... 100	10 ... 110	10 ... 120	
11 ... 22	11 ... 33	11 ... 44	11 ... 55	11 ... 66	11 ... 77	11 ... 88	11 ... 99	11 ... 110	11 ... 121	11 ... 132	
12 ... 24	12 ... 36	12 ... 48	12 ... 60	12 ... 72	12 ... 84	12 ... 96	12 ... 108	12 ... 120	12 ... 132	12 ... 144	

