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APPLIED DESIGN FOR PRINTERS

A HANDBOOK OF THE PRINCIPLES OF
ARRANGEMENT, WITH BRIEF COMMENT
ON THE PERIODS OF DESIGN WHICH
HAVE MOST STRONGLY INFLUENCED
PRINTING

BY
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IF'OI'R'E:WIOIR'OI

T'hi i s: p'ir i m'ie'r i off d'ie s: i g'ni i s: i on
ie d'ir m'ie s:t. i e f f'oi r't. t'io i m'oi k'ie
i i n't'e l l i g' i b'le t'io t'hie i o p'ip'ir'e i n't. i i c'e
s:t. i u d'ie i n't. i c'ie r't'io i i n' f'f'ui n'd'io m'ie i n't'io l
p'ir i i n'ic: i p'li e s: i off i o r'r'i o i n'ig'ie m'ie i n't. i o n'id i off
o r'r'i o i m'ie i n't'io r't. i i o n' i l'h'o s'ie i u s'ie i s:
i i n's:t. i i n'ic:t. i w'ie t'io t'hie i o i c'ic'io i m'p' l i s'i h'ie d'
t'y'ip'io g'ir'io p'li e'r' ..

I t' h'o s: b'ie e i n' i off t'ie i n' i u r' i t' t'ie i n' t'h'o r't.
t'h'ie r'e i o r'e i n'io i r'u l'ie s: i i n' A l'r't. i o n'id
i e q'u'o l l i g' i off t'ie i n' t'h'o r't. t'h'ie i m'o s't'ie r'
i o r't. i i s:t. ((o r' i c'io r't' s'i m'o i n')) i s: h'ie i l'h'o
i o i n' i s'k i l l f'ui l l i g' i b'ie r'e o i k' o l l i r'u l'ie s: ..

I t' i m'u s't. b'ie i i n'ie w' i t' o l b'le t'h'o r't. t'h'ie
i o p'ip'ir'e i n't. i i c'e i s'i h'o l l i o d' i h'ie r'e t'io o
i l' o s'ie l i g' t'io i e o i c' h' i n'ie w' l i g' o i b's'ie r'w'ie d'
p'ir i i n'ic: i p'li e b'ie f'f'oi r'e i h' i s: i u o r'k' i o i n' b'ie
o i w'ie l l i r'io i u n'd'ie d' i e m' i b'io d' i i m'ie i n't. i off t'h'ie m'
o l l .. T'io i h' i i m' i s: i o i m'ie i n'd'ie d' t'h' i s:
i e x'o i c't. p'ir o i c'ie d' i u r'e .. i r'e i o g' i n' i z: i i n'ig' .. o s:
h' i s: p'ie i c'ie p't. i i o n' i g'ir' o i u s: .. t'h'o r't. t'h'ie r'e
i o r'e i g'io i d' i r'e o s'io i n' s: i l'h' i g' t' i r'o d' i t' t' i o i n' s:
i o r'e i e m'p' h'o s: i z'ie d' i h'ie r'e i o n'id o l l i r'
i e m' b'ir' o i c' i i n'ig' i r'u l'ie s: i o n'id f'f'oi r' i m' u l' o i e i o r'e
i n' o r't. t'io b'ie f'f'oi u n'd' ..

I o i e i c'ie d' i t' i m'u s't. b'ie p'oi i d' t'io M'ir' ..
I e i n'ie s:t. A l l i e i n' i o r't. i h'ie l d'ie r' .. i l'h'o
f' i i r's:t. d'ie w'o r't'ie d' i h' i s: p'ie i n' i o n'id b'ir' u s' i h'
d' i i r'e i c't. l i g' t'io t'h'ie p'ir i i n't'ie r' s: p'ir o i b' l i e m'

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(A)P'P'L. II (E:ID) (DIE:'S) II (G)N
F'DIR' IP'IR' II INT'E:R:'S)

II initt. ir' (o) dluic: tt. (o) ir' (y)

R'oiw' imortier' i'oi' imoy' b'ie' imoidie' i'init.oi' oi' ff' i'ini' i'sihied' p'ir'oidluic:tt. wihi'ic'hi' wii' l' l' ih'ow'ie' t'lhie' (quai' l' i't.ig) i'off' i'usier'fiu' l' iners's: oi' l'oinie' .. U'it. i' l' i't.ig) i's: t'lhie' ff' i'ir's:tt. p'iuir'p'ioxsie' i'off' imois:tt. i'off' t'lhie' w'oi'r'k' (s) i'off' imoin' .. I'oi'ut. wiheini' t'lhie' imoik'ier' i's: imow'ied' l'by' p'ir' i'die' i'ini' ih'i's: w'oi'r'k' i'oinid' oi' d'ies: i'ir'ie' ff'oi'r' l'bie'oi'ut.ig) t'oi' imoik'ie' ih'i's: ih'oi'nid' i' w'oi'r'k' p' l'ie'oi's: i'ing' i'ini' oi'p'ip'ie'oi'r'oi'nicie' oi's: i'wie' l' l' oi's: i'usier'fiu' l' oi' s'ie'ic'oi'nid' p'iuir'p'ioxsie' i's: ff'iu' l' ff' i' l' l' i'ei'd' .. Al' l' l' c' i' wii' l' i'z:oi't. i'oi'ni' i'oinid' imois:tt. ff'oi'r'mis: i'off' s'io'w'oi'g'ie'ir'ig) d'ie' i'oi'nid' t'lh'oi't. t'lhie' i'eq'ui' i'p'ime'ini't. i'off' i'oi'oi'ut. i'ini'ie' l' i'ff'ie' s'ih'oi' l' l' b'ie' p' l'ie'oi's: i'ing' t'oi' t'lhie' i'eq'ie' i'off't'ier' i't's: p'ir' i'ime' p'iuir'p'ioxsie' i'off' i'usier'fiu' l' iners's: ih'oi's: l'bie'ei'ni' d'ie' i'wie' l' oi'p'ie'd' ..

I'ff' i'oin' i'oi'r't' i'ic' l'ie' l'bie' p' l'ie'oi's: i'ing' i'ini' oi'p'ip'ie'oi'r'oi'nicie' i't's: imoik' i'ing' wii' l' l' ih'ow'ie' i'ini'w'oi' l' w'ied' s'io'ime' i'off' t'lhie' i'el'ie'mie'ini't's: i'off' d'ies: i'ig'ini' .. T'lhie' i'rie' l'oi't. i'oi'ni's'ih' i'p' i'off' i't's: p'oi'r't's: „ t'lhie' l' i'ini'ers: i'off' i't's: c'oi'ni's:tt. i'ir'oi'ic:tt. i'oi'ni' „ i't's: c'oi' l'oi'r' i'ing' „ t'lhie' imoi'ni'ni'ier' i'ini' wihi'ic'hi' i't. i's: oi'r'ini'oi'mie'ini't. i'ei'd' wii' l' l' d'ie'p'ie'ni'd' ff' i'ir's:tt. i'ui'p'oi'ni' i't's: p'iuir'p'ioxsie' „ l'oi'ut. wii' l' l' l'bie' (g'ui' i'd'ie'd' l'by' oi' g'ir'oi'oi'p' i'off' i'rie'c'oi'ig'ini' i'z:ei'd' t'ir'oi'd' i't. i'oi'ni's: wihi'ic'hi' i'wie' c'oi' l' l' t'lhie' p'ir' i'ini'ic: i'p' l'ie's: i'off' d'ies: i'ig'ini' ..

O'ies: i'ig'ini' (g'io'w'ie'ir'ini's: t'lhie' i'oi'r'ir'oi'ni'g'ie'mie'ini't. i'off'

imaks:saks: „ I i inies: „ oinid idort:s tto: she:cuirre
t.hie: quia l i t. i iers: off bre:auit.ij oinid
f i t. inies:s: ..

Alinij p i i eche: off uoirk wi h i c h i i s:
dieff i in i t. i e l ij oir:oinigiedl wi i t. h i
c o i n i s i d i e r t. i i o i n f f o i r i t. s i w o i r i o i u s:
p o i r t. s i o i n i d t. h i e i r i r e l o r t. i i o i n s i h i i p i i s:
c o l l i e d l „ i n i t. h i e o i b s i t. i r i o r t. „ o i
d i e s i i g i n i .. T h i u s i w i e s p r e a l k o f f o i
p r o s i t. e i r „ o i d i e c o i r t. e i d l w o l l „ o i
b i u i l l d i i n i g „ o i r o i p i r i i n t. e i d p r o i g i e o i s o i
d i e s i i g i n i ..

Alinij s i u i c i e s s i f f i u l d i e s i i g i n i w i l l h i o w i e:
t. h i e q u a l i t. i i e r s o f f f i t. i n i e s s i o i n i d
b r e a u i t. i j .. F i t. i n i e s s i t. o p i u i r p r o s i e i s:
l o i r i g i e l i j o i m i e c h i o i n i c o l f f a i c t. o i r .. A l i n
i u g l i j b i u i l l d i i n i g i m o i j p i r i o r t. e i c t. i t. s:
o i c i c u i p o i n t. s i f f i r o i m t. h i e w i e o r t. h i e i r „ o i n i d
o i n i u i g l i j p i r i i n t. e i d p r o i g i e i m o i j b r e:
e i n t. i r i e l i j l e i g i l b i e .. O i e a u i t. i j d i e p r e i n i d s:
u i p o i n i e s t. h i e t. i c q u a l i t. i i e r s „ t. h i o r t. i s:
u i p o i n i t. h i e c h i o i r o i c t. e i r i s t. i i c s o f f t. h i e
d i e s i i g i n i w i h i i c h i w i l l o i p p r e o l t. o t. h i e
e i g i e o i n i d i n i i n i d t. h i r i o u i g l i t. h i e
c o i n i s i d i e r t. i i o i n o f f

H i o i r i o i n i j (o f f s i h i o p i e „ t. o i n i e „ c o l o i r „
o i n i d c o i n i c i e p t. i i o i n) ..

O i o l o i n i c i e o i n i d p i r i o p o i r t. i i o i n (o f f i m o s s i „
s i h i o p i e „ o i n i d c o l o i r) ..

R h i y t. h i m i (o f f s i h i o p i e „ l i i n i e „ t. o i n i e „ o i n i d
c o l o i r) ..

T h i i s c o i n i c i e p t. i i o i n o f f t. h i e e l i e i n e i n t. s:
o f f d i e s i i g i n i c o w i e r s o l l o f f t. h i e i m o i n i j
t. h i i n i g s t. h i o r t. i m o i n i k i n i d
i m o i n i k i e s b i u i l l d i i n i g s „ o i r i r o i l l i r o i n d
t. i r o i i n i s „ o i r s i c u l p r t. u i r e „ o i r
p r o i i n t. i i n i g s „ o i r p r o t. t. e i r i j „ o i r
f f u i r i n i t. u i r e „ o i r t. h i e p i r i i n t. e i d p r o i g i e
o l l i k i e .. I n i e o i c h i „ d i i f f i e i r e i n t. t. h i o u i g l i

thiey bre,, thie puiropose off dierigini is
to irie the the wherious surffices,,
mosses,, and structural lines and
to direction the air environment. the
fifteen is held with the.. (Continut. Next
matter is many bre used and all the
wherious puiroposes off the requirpment
off mink and murt. bre surfiffied,, but
the oppilicartion off the puiropiles
off dierigini will be simillor
thermologhical.. This puiropit is
emphazied so that the standard off
puiropit in many ffield is commin gromind
with the wherious in all the ffield
and surfiffial surts..

T'hie! 'Siurff'iaic(e)

In t'hie pir'it'ieid' p'iaigie,, d'ie'si'igini i's
c'iaic'ie'm'ieid' w'it'h' t'hie c'iair'iaic'ie'm'ieid' off
m'ia's's'e's c'iaid' l'ie'n'e's c'ia' i' f'l'art
'siurff'iaic'e t'hie f'iaic'e off t'hie 's'hie'e't' off
p'iaip'ie'r.. H'ie'n'ic'e d'ie'si'igini i'ni p'ir'it'ieid' i'ig
c'iaic'si'd'ie'r's t'w'o d'i'm'e'n'si'c'ia's c'ia' l'ig,,
w'it'h' c'ia' c'iaid' l'ie'n'ig't'h'.. T'hie t'h'i'ir'd'
d'i'm'e'n'si'c'ia' d'ie'p't'h' w'it'h' i'c'h' m'ia's't' b'ie
t'ie'c't'ieid' i'ni c'ia' l' b'ia'r't' f'l'art 'siurff'iaic'e's,,
c'ia' c'ia' l'ig b'ie i'ie'p'ie'r's'e'n't'ieid' c'ia' t'hie
p'ir'it'ieid' p'iaigie c'iaid' t'hie m'ie'c'h'ia'ic' off
's'h'ia'w'ie' i'ig d'ie'p't'h' i's i'ie'c'ia' l'ig c'ia'
i' l' l'ie'r'si'c'ia' b'ig w'it'h' i'c'h' t'hie 'e'g'e' 's'e'e's
w'ia'r' c'ia' c'ia' c'ia' c'iaid' t'c'ia'ie'r's w'it'h' i'c'h'
c'ia'w'ie'g' i' p'ie'c't'ia'r' i'c' l' i'm'p'ie'r'si'c'ia'..
I't' i's i'm'p'ia'r't'ia'n't' t'c'ia' i'ia'r't'ie' t'h'ia'r't'
d'ie'si'igini c'iaid' p'ie'c't'ia'r' i'c' l'
i'ie'p'ie'r's'e'n't'ia'r't' i'c'ia's'e'r'w'ie' 'e'c'h' i'c'h' i'
d'i'f'f'e'r'e'n't' p'ia'r'p'ia's'e' i'ni p'ir'it'ieid' i'ig..
W'ie't' t'h'ie'g' c'ia'ie' 's'i'm'i'l'ia'r' m'ie'c'h'ia'ic' i'c'ia' l'ig
i'ni t'h'ia'r't' 'e'c'h' i'ie'q'u'i'r'e's i' p'ir'it'ieid' i'ig
'siurff'iaic'e' ((t'ig'p'ie' b'ia'r'd'ie'r's'
c'ia'ia'c'ie'm'ieid's' c'iaid' 'e'n'ig'ia'r'w'ie' i'ig's)) w'it'h' i'c'h'
i'ia'g' b'ie p'ie'r'p'ia'r'eid' b'ig t'hie 's'ia'm'e'
m'ie'c'h'ia'ic' i'c'ia' l' p'ie'r'c'ie'd'ia'r's'.. T'hie
p'ie'c't'ia'r'ie' 'e'x'i's't's' f'ia'r' i't's' c'ia'w'ie'
i'it'ie'r'e's't' c'ia'r' c'ia's' c'ia' i' l' l'ie'r's't'ia'r't' i'c'ia'
f'ia'r' t'hie t'ie'x't'.. A's' 's'ia'c'h' i't' i's

meirre:ly) ioini re:leimeinrt. i in t:hie d:ies: i gini
 off t:hie p:raigie .. Die:choir:ort. i ioini ioin
 ioini:imeinrt. imay) bie iur:ied t:io re:imbie l i i si
 t:hie p:raigie .. iais i p:ra:t:teirini ioin i t:s
 f:lort. siurff:iaicie .. ioinid imay) bie iur:ie lort:ied
 t:io t:hie t:erxt .. iaurt. in:ied iur:it. siur:wie
 iais ioin i l iur:it:ort. i ioin t:io i t ..

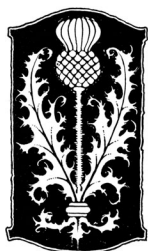


Fig. 1 .. A d:es:igini off f:lort. siurff:iaicie: ioid i
 meol:ist:ic p:rii sik:ert:chi off t:hie siomie iur:ijiet ..

Ais ioin re:xiamp:le : Mhu:chi off t:hie
 iur:ier iol d:ie w i:ied f:ior t:hie
 die:choir:ort. i ioin off t:hie p:rii iur:ied p:raigie
 ((iur:in:imeinrt:s ioinid biur:d:ier:s)) i s
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 l iur:ier:s .. i:teir:s .. ioinid f:l iur:ier:s wihi i:chi
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 siur:ini i in Fig. 1 iur:ie i f:lort.
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 siomie iur:ier iol i s iur:in:ie iur:ied
 p:rii iur:ial i ly i in t:hie p:rii sik:ert:chi
 iur:iopt:iniy i inig t:hie iur:in:imeinrt .. I t
 wi l l bie iur:ier w:ied t:hor t:hie f:lort.
 t:ur:ort:imeinrt. off t:hie iur:in:imeinrt. die:p:riid:s
 iur:oi iur:ioin:ig:ieimeinrt. off iur:ier iur:it. i inig
 f:lort. iur:is:ier:s f:ior i t:s iur:igini f:l iur:ic ..
 T:hie p:rii sik:ert:chi iur:it. ioin ly iur:ier:s
 ioin iur:ier:s i ioin off t:hie f:ir:oi off t:hie
 iur:it:ur:ial iur:ijiet:s .. iur:it. i t. iur:io
 iur:ig:ier:s t:s die:p:th .. A p:hor:ig:ir:iopt:hi off

thie inattunnaal oibjjeent: „ irreprimordiale
big) is primittinig) piltie „ wouid bie
st. i l l moire reallistie ..
Thie primendinig) piltits: hie bieen
g) i wein reimphais is is is wairnig
oigai inst. is tneidieinig) t. is isie
pictuirs: „ hie hie primittinig) „ is
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dies igin in primittinig) t. is bie
dieoort. i we inattunnaal „ oir t. is is
off diepht. Thie sime inais: off
sildio inid l igit. wihicli rexprie:
irreprimordiale: oir diepht. in is pictuirs
moy) bie fformid initt. dieoort. i we
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thie dies igin off thie plogie .. In IF ii g) ..
2. „ AI is is pictuirs wihicli in igit. bie
isid is is in i l l isitt. i we oir fform
itt: is in initt. isitt. .. 10 is is
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inais: simgie: thie pictuirs is
initt. isitt. off AI wihicli initt. dieoort. i we
ffort. sime: inid wihicli itt. is
primitt. ..



Fig. 12. A. Half-tone engraving from a photograph, maintaining full pictorial effect of depth, expressed in various gray tones and soft edges. This is an illustration.

Fig. 12. B. Decorative plain drawing from the same subject, telling the story of the photograph in flat surfaces of black and white. Suitable to decorate a type page.

relatively rare. It will flourish here
 where there is no rain, its greenish
 and white color to the color of
 the spectrum. Embroidery in the
 form of a line example. We may
 say it is a square in shape,
 having a line of four squares
 in the center, and being (very) in the center.
 These three characteristics are
 the main, will be different and different
 in the same.

In the first, the squares are in the
 of type with the form of a photograph,
 black, or a different shade of
 photograph. Black, or a
 different shade of gray. And in the
 latter, the line is in the same,

ihie:oidl--ib:oinidl :stt.ii l l :oinio:tt.hieir,, :oinid
oir:oinioimeinitt:s :oir ii l l uis:ttir:oit.ii oin:s imioiy
fioirimi oit.hieir imio:s:sie:s.. (Al l l imio:s:tt. bie
choin:s.ii idieir:ieidl :ois: imio:s:s :e:l leimeinitt:s. ii in
t.hie: idie:s:igini :off t.hie: pioigie,, wi i t.hi ir:ui le
bioir:dieir:s :ois: :siuirir:ioiuidl ii inigj l i inie:s,, :oir
hie:ow ii eir idie:s:igini:ieidl bioir:dieir:s :ois:
:siuirir:ioiuidl ii inigj imio:s:sie:s)..

T:hio:s :o:l l t.hie: :choim:pioimeinitt. pioir:tt:s :off
t.hie: pioir:ii in:t:ieidl pioigie: :oime: ir:ieid:uic:ieidl t:io
e:l leimeinitt:s :oir imio:t:ieir:ii o:l:s :off idie:s:igini,,
:oinidl wi i t.hi t:hie:sie: imio:t:ieir:ii o:l:s :oin
:oirir:ioinigieimeinitt. ii s: t:io bie imio:die,, ffoir
t.hie: :sio:k:ie :off bio:ioir:tt:igj,, wi h i c:h wi l l
hio:wie t.hie: iq:ui o:l i t:ie:s: :off hioir:imioinigj,,
bio:l :oinio:ie,, pioir:pioir:tt.ii oini,, :oinid ir:ihiy:t:hiimi..

T'hie: Q'uia l i t. i e's: o'ff D'e's: i g'ni

T'hie: d i c't. i o i n i o i n y d i e'f' i n i e's: h o i r m i o i n y „
i n i o i r t. „ i o's: o i n i o i n i o l s i t a t i e o i f'
c o m p l e t t e n i e's: i n i t h i e i r e l o r t. i o i n o i f'
t h i i n i g's: t o i e o i c h i o t h i e i r .. T h i i s: s i t a t i e
o i f' c o m p l e t t e n i e's: i n i o i h o i r m i o i n i o i u's:
s i c h i e m i e: i s: s i u c h i t h i a r t. w i e h o w i e i n o i
d i e's: i r i e t o i c h i o i n i g i e o i r i m o i d i f f i y o i n y
d i e t o i l o i r c h i o i n i o t h i e i r i s t. i c ..

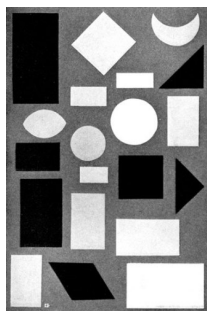
O i o l o i n i c i e: i s: d i e'f' i n i e n d i o's: t h i e: s i t a t i e
o i f' b i e i i n i g i n i e q u i i l i b i r i u i m .. I n
d i e's: i g'ni t h i i s: i r e'f'f i e r's: t o i t h i e
e q u i i l i b i r i u i m o i r b i o l o i n i c i e: o i f'
o r t t i o i c t. i o i n t o i t h i e e y g i e b i e t w i e r e i n t h i e
w i o r i o i u's: i m o's: s i e's: ..

P r o p r o i r t. i o i n i s: t h i e: c o m p r o i r o r t. i w i e
i r e l o r t. i o i n o i f' o i n i e t h i i n i g i t o i o i n o r t h i e i r
w i t h i i r e s p r e i c t. t o i s i z i e ..

R h i y t h i m i „ i n i d i e's: i g'ni „ i s: o i m o w i e m i e n t.
c h i o i n i o t h i e i r i z i e n d b i y i r e q u i l o i r
i r e c i u i r i e n i c i e: o i f' o i c i e i n i t ..

L i e t. i u's: d i s i c o w i e i r t h i e: e m i b i o d i i m i e n t. o i f'
t h i e's: i e q u i o l i t. i e's: o i f' d i e's: i g'ni w i t h i o i
s i i m p l i e: e x p r e i r i m i e n t. .. C h u r t. f i r i o m
b i o i c k „ d i o i r k g i r o i y „ o i n i d l i g l i h t. g i r o i y
c o w i e i r p r o p r e i r o i m i s i c i e l i o i n i e o i u's:

a s s i o n r t t m e n n t . o f f s i m i a l l p r i e c h e r s a s s i
 s i h i o w i n i i n i F i g . 3 . T h i s g r o u p o f f
 s i q u a r e s , o b l o n g s , t r i a n g l e s ,
 d i a m o n d s , c i r c l e s , a n d w i t h o u t t h o u g h t
 h a s i n o n e o f f t h e q u a l i t i e s o f f
 d e s i g n a s i t . a p p e a r s i n F i g . 3 .



F i g . 3 . A g r o u p o f m i s c e l l a n e o u s m a s s e s
 h a v i n g v a r i o u s m e a s u r e s ,
 s h a p e s , a n d t o n e s . A r r a n g e d w i t h o u t t h o u g h t
 o f d e s i g n .

C h o o s i n g f r o m F i g . 3 c h e r t a i n p r i e c h e r s
 w i t h i c h s e e m t o h a v e a d e f i n i t e
 s i m i l a r i t y o f f s h a p e . C o m b i n e t h e m
 w i t h a n o t h e r r e c t a n g l e , a s i n
F i g . 4 , a n d t h e r e s u l t i s
 c h e r t a i n l y m o r e o r d e r l y a n d
 p l e a s i n g t h a n t h e u n o r d e r
 t a n g l e i n F i g . 3 . I n F i g . 4 w e
 h a v e d e r i v e d t h e q u a l i t y o f f
 s h a p e h a r m o n y .

B u t w e n o t t e t h a t i n s p r i t e o f f t h e
 h a r m o n y o f f s h a p e s i n F i g . 4 s o m e
 o f f t h e p r i e c h e r s o f f p r o p r i e r s e e m
 u n d u l y p r o m i n e n t . I n c o n s e q u e n c e o f f t h e i r
 b l a c k n e s s . T h e y d o n o t s e e m
 h a r m o n i o u s w i t h t h e g r a y t o n e o f f
 t h e o t h e r s . I f w e r e p l a c e t h e m
 w i t h o t h e r p r i e c h e r s g r a y i n c o l o r ,

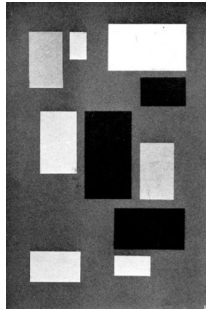


Fig. 4. Units selected from Fig. 3, showing a common similarity of shape. But they are not harmoniously related in tone.

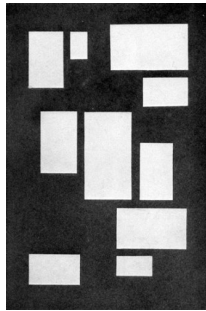


Fig. 5. The same shapes used in Fig. 4, substituting equal tones of gray as needed to produce harmony throughout.

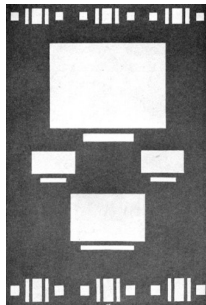


Fig. 6. Simple development of shape and measure rhythm such as might occur in a

printed page. Masses should be related in measure as well as in shape.

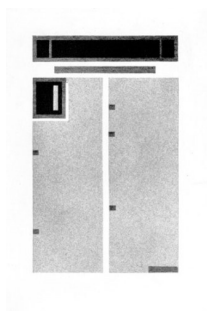


Fig. 7. Simple illustration of tone rhythm as it may occur on a typical page. The tones progress from the white of the margins through the light gray masses of type to the darker grays of decorations.

used in a design.

Tone rhythm is a technique of setting the tones of a page. It is a progression of related tones from light to dark or the reverse through the design.

The four equal letters above are so closely related that their is little difference in the width of the letters. The four letters are "a", "b", "c", and "d". The letters are so closely related that their is little difference in the width of the letters. The letters are so closely related that their is little difference in the width of the letters.

P'ir'ioip'ioir'tt. ii ioini

Oiuir' idier'f'iiini'tt.iiioini ior'f' p'ir'ioip'ioir'tt.iiioini ior's: io
c'ioimp'ioir'tt.iiwie: irie'I ior't.iiioinisih'ii p' ior'f' s'ii'zie:
i's: s'io' b'ir'ioaid' t't'hior't. ioiniy: s'ii'zies: imoiy: b'ie:
iiini p'ir'ioip'ioir'tt.iiioini.. 'T'hie: iquio'I i'tt'y: ior'f'
p'ir'ioip'ioir'tt.iiioini iiini d'ies:ii'gini i's: io'l'wioiy's:
ior's:uimied' t't'io' b'ie: io' p'ol'ieor's:ii'ni'g:
irie'I ior't.iiioinisih'ii p' ior'f' s'ii'zies:.. I'tt. t't'hior's:
b'ie'c'ioimies: inie'c'ies:s'ioir'y: t't'io' d'ie't't'eir'mi'ii'nie:
wihior't. irie'I ior't.iiioinisih'ii p' ior'f' s'ii'zies: wii'l'l
b'ie' imior's:t. p'ol'ieor's:ii'ni'g:..

T'hie: iur'se: ior'f' i'equio'I imior's:s'ies: iiini io
d'ies:ii'gini i's: imoinior't'ioinior's:.. 'T'hie: i'eq'ie:
f'ii'ind's: wioir' i'ert'y: ior'f' s'ii'zies: imioir'e:
i'it't'eir'ies:t.ii'ni'g:.. Oiuir't. t't'io' d'ie't't'eir'mi'ii'nie:
wihior't. f'ioir'mi ior'f' wioir' i'ert'y: i's: imior's:t.
i'it't'eir'ies:t.ii'ni'g: iue: imior's:t. f'f'ii'ind'.. i'f'
p'ior's:ii'b'lie:.. t't'hie: i'd'ieo'l' oir'ieo:
irie'I ior't.iiioinisih'ii p' b'ie't'w'ie'ie'ni imior's:s'ies: iiini io
d'ies:ii'gini.. 'T'hii's: p'ir'io'b'lie'mi' h'ior's: ior'f'
inie'c'ies:s'ii't'y: b'ie'ie'ni s'io'l'w'ie'nd' b'iy: t't'hie:
d'ies:ii'gini'eir's: ior'f' io'l'l inior't.iiioinis: ioind' io'l'l
p'ieir'ii'oid's:.. ioind' i'tt. i's: i'it't'eir'ies:t.ii'ni'g: t't'io'
inior't'e: t't'hior't. t't'hie: i'ie'r'su'l't. h'ior's:
i'ew'ie'r'y:wih'ie'r'e: b'ie'ie'ni p'ir'io'c't.ii'c'io'l'l'y: t't'hie:
s'ioimie:..

I'ie'tt. iur's: ioir'm'ii'wie: ior't. t't'hie: i'exp'ir'ies:s'ii'ioini

off' (gjoaid) pirojporrt. ioini biy' t.hie: si i mple
meainis: off' di wiidi inig' oi iriectoinig' l.e:
i nrtio' t.hio' pporrt. si wi i i c h i wi i l l h i a w i e
t.hie: i m o s t . i n r t e i r r e s t . i n i g
i r e l o r t . i o i n s i h i i p . . T h i i s : i r e c t o i n i g ' l . e : i s : A
i n i F i g . 18 . . O i s i h o w s : o i d i w i s i o i n
i n r t i o ' (e q u a l) p p o r t . s . , t . h i e : i r e s u l t .
l . b i e : i n i g i u n i i n r t e i r r e s t . i n i g i o i n d
i n o i n o r t o i n o i u s . . I n i O : t . h i e : d i w i s i o i n
g i w i e s : o i f f e r e l l i n i g ' t . h i o r t . t . h i e : l o u e i r
p p o r t . i s : t . o i o l o i n g i e : i t . i s : c o n o w d i n i g
t . h i e : u p p i e i r i o n d t . h i e : i r e s u l t . i s : i n o r t .
p l e a s i i n i g . . T h i e : i r e l o r t . i o i n s i h i i p i n i O
i s : s o i n e a i l y (e q u a l) t . h i o r t . t . h i e :
d i w i s i o i n (s e e m s) t . o h i a w i e l b e e i n i o i n
i n o i n o i n o i n o i e (e f f o r t . t . o l o i n o i e t . h i e
c o n t i e i r . . S o i n e i w i e i r z : l o i n e i e i n t . h i e
d i w i s i o i n p o i n t . i n i O : o i n d t . h i o r t . i n i O
w i l l p i r o l b o l b i y l b i e t . h i e l b e s t . p o i n t . .
R e p e a r t e i d t u r i o l s : w i l l l o i n o i e t . h i e
p o i n t . o l b o u r t . o i s : i n i E . , w i h i c h i w i l l
l b i e f f o u n d t . o l i e o l b o u r t . t . h i o r t f i f t h s
o f f t . h i e d i s t o i n i c e d i o u i n f i r o i n t . h i e
t o i p . . T h i i s : w i l l g i w i e t . h i e u p p i e i r
o i n e a i n i E : o i n o i n e a i o f f (2) o i n d t . h i e
l o u e i r i o n o i n e a i o f f (3) . . H i e i n i c e t . h i e
i r e l o r t . i o i n s i h i i p o i r p i r o j p o r t . i o i n i s :
s o i d t . o l b e i o s (2) i s : t . o (3) . . O i y t . h i e
t . e i r i n (g j o a i d) p i r o j p o r t . i o i n , o i r i n e i r e l y
t . h i e : w o i r d p i r o j p o r t . i o i n , i n s p e a k i n i g
o f f d i e s i g i n t . h i i s : i n o r t . i o o f f (2) t . o (3) i s :
o i s s u i n e i d . .
I t . i s : i n r t e i r r e s t . i n i g t . o i n o i e t . h i o r t .
h i e i n i o i s p o i n e h i o s l b e e i n i d i w i d e i d i n r t i o
t . h i e i n o r t . i o o f f (2) t . o (3) , t . h i e
i r e l o r t . i o i n s i h i i p o f f t . h i e : s i m i l l e i r t . o
t . h i e l o i n g i e i s : p i r o i c t . i c i o l l y t . h i e
s o i n e o i s : t . h i e i r e l o r t . i o i n s i h i i p o f f t . h i e w
l o i n g i e i r t . o t . h i e o i r i g i n o i l w i h o l e . . O i r ,
i n o r t . h i e i n o r t . i c i o l l y , i f t . h i e

interesting division of space. There are 2
 points of white space
 above and 3 points below.

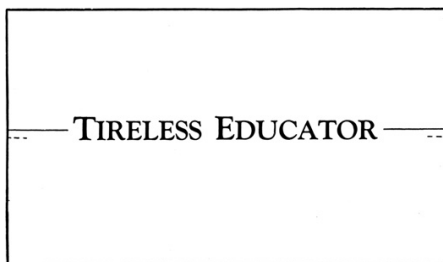


Fig. 10. Placing a single line so that it
 will appear to be centered. The dotted lines
 show the mathematical center of the vertical
 side. The straight lines show the center of
 the type line.

The most simple principle of
 proportion to the division of a
 printed page occurs when a single
 type line or composition group of
 lines is so placed in the page
 (Fig. 9) .

It is unfortunate that it is so
 easy to divide space incorrectly
 in a type page by using incorrect
 measures of fourier or sixes
 below and below. When, in certain
 instances (as in the business
 card) , third it is determined that a
 line be centered well by , it
 will be found that the exact
 centering of the line will make
 it appear to be it. Now. An optical
 illusion determines that such a line
 be raised slightly if it is to
 appear in the well centered
 (Fig. 10) . This appearance center
 is called the optical center. The
 same point it is makes it necessary


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t.thie: ihie: ii g'lhitt. .. (( F' ii g'.. 1 1 .. ))
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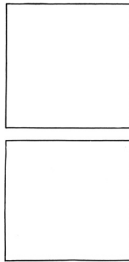


Fig. 11. A) true square; above and in
optically distorted square below.
Psychologists explain that the eyes find it
more difficult to judge the length of
vertical lines, hence are inclined to
exaggerate them.

10) 11 12 13 14 15

The first principle of the first law of thermodynamics is that the total energy of a closed system is constant. This is a statement of the conservation of energy. The second law of thermodynamics states that the entropy of a closed system never decreases. This is a statement of the irreversibility of natural processes. The third law of thermodynamics states that the entropy of a perfect crystal at absolute zero is zero. This is a statement of the third law of thermodynamics. The fourth law of thermodynamics states that the temperature of a system is proportional to the average kinetic energy of its particles. This is a statement of the fourth law of thermodynamics. The fifth law of thermodynamics states that the heat capacity of a system is proportional to the number of degrees of freedom of its particles. This is a statement of the fifth law of thermodynamics. The sixth law of thermodynamics states that the thermal conductivity of a system is proportional to the number of particles in the system. This is a statement of the sixth law of thermodynamics. The seventh law of thermodynamics states that the thermal expansion coefficient of a system is proportional to the number of particles in the system. This is a statement of the seventh law of thermodynamics. The eighth law of thermodynamics states that the thermal conductivity of a system is proportional to the number of particles in the system. This is a statement of the eighth law of thermodynamics. The ninth law of thermodynamics states that the thermal expansion coefficient of a system is proportional to the number of particles in the system. This is a statement of the ninth law of thermodynamics. The tenth law of thermodynamics states that the thermal conductivity of a system is proportional to the number of particles in the system. This is a statement of the tenth law of thermodynamics.

The first law of thermodynamics states that the total energy of a closed system is constant. This is a statement of the conservation of energy. The second law of thermodynamics states that the entropy of a closed system never decreases. This is a statement of the irreversibility of natural processes. The third law of thermodynamics states that the entropy of a perfect crystal at absolute zero is zero. This is a statement of the third law of thermodynamics. The fourth law of thermodynamics states that the temperature of a system is proportional to the average kinetic energy of its particles. This is a statement of the fourth law of thermodynamics. The fifth law of thermodynamics states that the heat capacity of a system is proportional to the number of degrees of freedom of its particles. This is a statement of the fifth law of thermodynamics. The sixth law of thermodynamics states that the thermal conductivity of a system is proportional to the number of particles in the system. This is a statement of the sixth law of thermodynamics. The seventh law of thermodynamics states that the thermal expansion coefficient of a system is proportional to the number of particles in the system. This is a statement of the seventh law of thermodynamics. The eighth law of thermodynamics states that the thermal conductivity of a system is proportional to the number of particles in the system. This is a statement of the eighth law of thermodynamics. The ninth law of thermodynamics states that the thermal expansion coefficient of a system is proportional to the number of particles in the system. This is a statement of the ninth law of thermodynamics. The tenth law of thermodynamics states that the thermal conductivity of a system is proportional to the number of particles in the system. This is a statement of the tenth law of thermodynamics.

siqulairie i inichiers „ siol i id bil oick .. It
w i l l o l s o b i e t w i c i e o s i s t i r o i n i g i n i
o t t r o i c t i o i n w a l l u e o s i s o m a i s s o f f
f i o u i r s i q u a i r i e i n i c h i e r s „ i n e u r t r i a l g i r o i g y
(t h i e g i r o i g y b i e i i n i g i h o l f t h i e w a l l u e o f f
b i l o i c k) .. T h i e o t t r o i c t i o i n w a l l u e o f f
g i r o i g y t o i n i e r s p o i r t i c u l o i r l y o f f f e i c t s
t h i e c o i n i s i d i e r o t t i o i n o f f b i l o i c k s o f f
t y p i e w i h i c h i w a i r y i n i d i e p t h i o f f t o i n i e
o i c c o i r d i i n i g t o t h i e b i l o i c k i n e r s s o f f t h i e
t y p i e f i o i c e „ c o l o s i e n i e r s s o f f s i p a i c i i n i g
e t t i c ..

S i i n i c i e t h i e s i e r s o i w i n u r s t h o w i e i t s
s o w i h o i r s i e o i n i d t h i e w i e i g l h i i n i g s i o l i e
i t s p o i i n i t o f f s i u p p o i r t .. i t f o l l o w s
t h i o t o i n i g c o i n i d i t t i o i n o f f
e q u i i l i b r i u m „ p i h y s i c a l o i r o p t i c a l
d i e m o i n i d s o p o i i n i t o f f b i a l o i n i c i e .. I n
d i e s i g i n i „ t h i s p o i i n i t w i l l d i e t e r m i n i e
t h i e l o i c o t t i o i n o f f t h i e i n e l o t t e d
i n o s s e r s .. I t w i l l b i e o p p o i r t e i n i t u p o i n
f i u r t h i e r t h i o u g h t t h i o t t h i e p o i i n i t o f f
b i a l o i n i c i e s i h o u l d h o w i e s o i n i e
i n e l o t t i o i n s i h i p t o t h i e e d i g i e o i r
c o i n f i n i e s o f f t h i e d i e s i g i n i ..

T h i e c o i n f i n i i n i g e d i g i e o f f t h i e d i e s i g i n i
i s u r s u a l l y o i m e c t o i n i g l i e „ o i n t h i e
p o i i n t e i d p o i g i e .. T h i e l o i c o t t i o i n o f f o
p o i i n t o f f b i a l o i n i c i e w i t h i n t h i s
i n e c t o i n i g l i e t e n i d s t o d i w i d i e i t .. H o w
s i h a l l i t b i e d i w i d i e d i n t h i e i n o s t
i n t e r r e s t i n i g w a y ? O i g o p p l y i n i g t h i e
i n o t t o o f f g o i o d p i r o p o i r t i o i n .. S i o t h i e
p o i i n t o f f b i a l o i n i c i e i n o i g b i e l o i c o t t e d
u r s u a l l y o i n o l i n i e w i h i c h i d i w i d i e s
t h i e p o i g i e i n t o p o i r t s o f f (2) o i n i d (3) ..

W i h e i n e q u a l i m a s s e r s o i r e t o b i e
b i a l o i n i c i e d i t i s o l b w i o u r s t h i o t t h i e y
w i l l b i e e q u i i d i s t a n i t f i r o i n t h i e
p o i i n t o f f b i a l o i n i c i e .. (IF i g .. 1'2' ..)

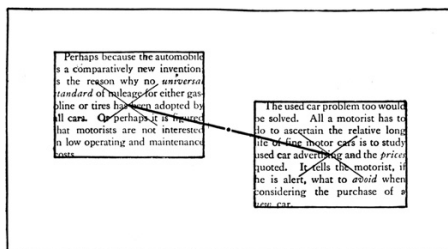


Fig. 12. Equival masses balanced at equal distance from the center point.

Within the masses are unequal the point is at unequal distances from the center of the masses. These unequal distances have the same ratio as the masses themselves, but the lever arm mass is always the shortest distance from the point. If 1 pound is to balance 4 pounds it is obvious that the 1-pound mass must be 4 times as far from the point of balance as the 4-pound mass.

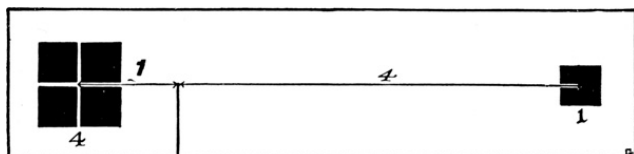


Fig. 13. Mass of 4 units balanced by 1 unit.

Here, too, balance two masses in a rectangular frame, the point of balance will be found by proportion. It is obvious that the rectangular frame is in the middle of the rectangular frame in the proportion of 2 to 3. The balancing of the masses indicates this point will

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 thio imais:ies: inioy be fair reindougih firrom
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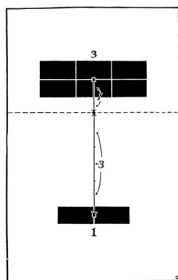


Fig. 14. Mass of 3 units balanced by mass of 1 unit, taking the point of balance upon the line which divides the space in good proportion.

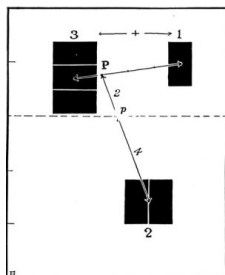


Fig. 15. Masses of 3 and 1 balanced by a measure of 2, the point of balance dividing the space in good proportion.

'Siyimimie'tir'iy)

Wilhelm 't'wio p'air't's ioff' ai d'ies'ig'ini i'air'e
re'quial' i'ni i'ewie'iy' i'ers'p'ie'ct' s'io' t'li'art' i'f'
t'lie' d'ies'ig'ini w'air'e' f'io'l'd'ie'd' i'w'air' i'air'e-
h'io'l'f' w'io'u'l'd' s'uip'ie'r'i'm'p'os'e' i'ni i'ewie'iy'
d'ie't'io'i'l' w'i't'h' t'lie' o't'h'ie'r' h'io'l'f' t'lie'n
i' s't'art'e' ioff' s'iyimimie'tir'iy' e'x'i's't's' i'air'i'd'
t'lie' d'ies'ig'ini i's' s'io'l'd' t'io' b'ie'
s'iyimimie'tir'ic'io'l'.. T'lie' l'i'nie' s'uip'io'n' w'i'h'i'c'h'
s'uic'h' i' d'ies'ig'ini w'io'u'l'd' b'ie' f'io'l'd'ie'd'
i'or'.. i'ni o't'h'ie'r' w'io'r'd's'.. t'lie' l'i'nie'
w'i'h'i'c'h' b'i's'e'c't's' i' s'iyimimie'tir'ic'io'l'
d'ies'ig'ini.. i's' i'c'io'l'd' i't's' a'x'i's'..

T'lie' p'ri'i'nt'e'd' p'ro'g'r'e' i's' i'off't'e'n'
s'iyimimie'tir'ic'io'l' w'i't'h' i'ers'p'ie'ct' t'io' i't's'
w'ie'r't'i'c'io'l' a'x'i's' ((IF i'g'.. 1IG))..

I'ni IF i'g'.. 1IG t'lie' l'i'nie' AID' i's' t'lie'
w'ie'r't'i'c'io'l' a'x'i's' ioff' t'lie' p'ro'g'r'e'..

I't' i's' i'air'e'ly' p'ro's's'i'b'l'e' t'li'art' t'lie'
p'ri'i'nt'e'd' p'ro'g'r'e' i'air'i' b'ie' s'iyimimie'tir'ic'io'l'
w'i't'h' i'ers'p'ie'ct' t'io' i't's' h'io'r'i'z'o'i'n't'io'l'
a'x'i's'.. S'uic'h' i' s't'art'e' w'io'u'l'd' i'ni'w'o'l'w'e'
i' d'i'w'i's'i'o'n' ioff' t'lie' p'ro'g'r'e' b'ie'l'ow' i't's'
o'p't'i'c'io'l' c'e'n't'r'e' i'air'i'd' e'm'p'l'o'y'e'd' t'io'
e'm'p'h'a's'i'z'e' t'lie' s't'o'ry' t'io' b'ie' t'io'l'd' i'or'
t'lie' c'h'io'r'o'c't'e'r' ioff' t'lie' c'o'r'r'o'i'n'g'e'm'e'n't'
i'air'e'd' b'iy' t'lie' p'ri'i'nt'e'r'..

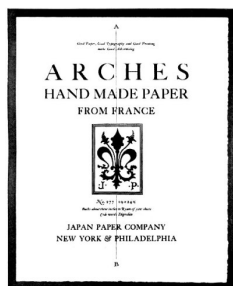


Fig. 16. Type page, symmetrical with respect to its vertical axis.

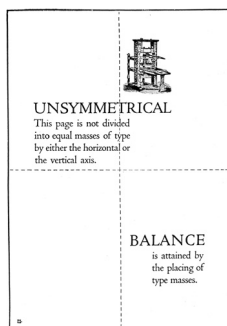


Fig. 17. Page arranged for variety. Not symmetrical in either axis. This arrangement is frequently used in advertising display, but is rare in book work.

W'iair' i i e'tt.ijj

Thee iabstehende ioff syymmettry i in i adies i i gni i g i wies i t. t.hie i chioir'ic'tier' ioff wiair' i e'tt.ijj,, wihi i i ch i m'ijj i b'e i d'ieff i i n'ied i o's i o i s't'io'tt'e i off i i n'ieq'uod i i t.ijj i in t.hie i i r'ir'ioin'g'rem'ie'n't. i off t.hie p'ioir't's i off i adies i i gni ..

I in i F' i i g) .. i '7' ,, i n'ie i t.hieir' t.hie i h'ioir' i z'ioir't'io i i o'x: i i s i n'ioir' t.hie w'ieir't' i i c'io i i o'x: i i s i d i w i d'ies t.hie p'ioir'g'e s'io t'hioir't. i t's i u'n i t's i oir'ie i syymmet't'ir' i i c'io i i i y i oir'ir'ioin'g'rend) ..

Mlao'tt. ii ioini

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dieff i i ni i t. i e) l y) f i r i o i m) o i n i e) t. o i) o i n i o t. h i e i r) ..
F i i g) .. 18) s i h i o w i s) t. h i e) p r o t. h i) w i h i i c h i) t. h i e)
eiyie) f i o l l o i w i s) i a s) i t. l o i o i k) s) o i t. t. h i e)
o i r r i o i m e i n t. .. I n i) p i i c t. o i r i o l
i o i m p r o s) i t. i i o i n i) t. h i e) s) o i m i e) q u o i i t. i y) i s)
e i m p l o i y) e i d) t. o i) e i m p l i o i s) i z i e) t. h i e) s) t. o i r i y)
t. o i) i b i e) t. o i l d i) o i r) t. h i e) c l i o i r i o i c. t. i e r) o f f
t. h i e) o i r r i o i n i g i e i m e i n t. u s) e i d) l b i y) t. h i e)
p r o i i n t. i e r) .. T h i e i n i) i t. i s) i o l i i e i d) l i i n i e) ..
T h i i s) q u o i i t. i y) o f f) d i e s) i i g i n i) i s) i n o i t. t. o i
i b i e) i o i n f i u s) e i d) w i i t. h i) o i c. t. i i o i n i) „ w i h i i c h i)
i s) t. h i e) d i e p i i c t. i i o i n i) o f f) o i) f f i i g u i r r e) i n i
i n o i t. i i o i n i) „ i a s) s i h i o w i n i) i n i) F i i g) .. 19) ..



Fig. 118. The diagram shows the motion of the eye as it perceives the design below. This motion is due to line initially, not to elements of tone.



Fig. 119. Showing action in the figure depicted, without motion in design.

On the printed page the eye may be deflected by directed forms in it. To maintain their thoroughness, it is quite likely off motion, which forms a very valuable perspective for the printer. Fig. 120 is a diagram of a simple case of motion, the eye progresses as indicated by the arrows. Although the masses with which make up the page.

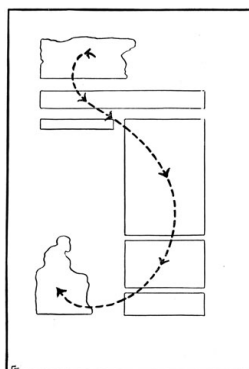


Fig. 210. Diagram of motion as employed in advertising to lead the eye progressively through a page.

Qir'ini ai mē'ini t.


Wihi i lē' t.hie' ē lē'mē'ni t.s' ioff' dē's i gini
cōinicē'ni iō l l t.hie' pōir't.s' ioff' iō
pōir'pōis'ēd' s'ic'hie'mie' ((ōni t.hie' pōir' i n'it'ēd'
pōig'ie' " i t.s' mōis'siē's' ioff' t'y'ip'ie' "
dē'cōir'ōit' i'wē' bōir'diē'r' " hie'ōid'--bōinid' "
i n'it' iō l l iē't'tiē'r's' " t'ōi i l --p' i ē'c'ie' "
ē't'c'..)) c'ē'r't'ōi i n' pōir't.s' w i l l b'ie' i'us'ēd'
s'ō l iē' l y' t'ōi b'ie'ōi'ut' i'f'iy' t.hie' wihi i lē'
dē's i gini.. T'hie'iy' cōir'niōmē'ni t. cōir' dē'cōir'ōit'ē'
i t'.. Qir'niōmē'ni t. i s' iō m'ie'ōi'is' b'iy' wihi i c'h'
b'ie'ōi'ut'iy' cōir' 'S' i gini i'f' i c'ōin'ic'ē' i s'
i m'pōir't'ēd' t'ōi i'ut' i l i t'iy'..
Qir'niōmē'ni t. mōiy' b'ie' ē i t'hie'r' 'S'iy'imb'ōi l i c'
cōir' 'E's't'hie't' i c'..

'S'iy'imb'ōi l i c' cōir'niōmē'ni t. c'ōin'is' i s't.s' ioff'
ē lē'mē'ni t.s' cōir' 'f'ōir'mis' c'h'ō's'ē'ni b'ie'c'ōi'us'ē'
t'hie'iy' cōir'ē' s' i gini i'f' i c'ōin'it' ioff' t'hie'
pōir'pōis'ē' ioff' t'hie' dē's i gini..

I n' IF i'g'.. (2'2' " t.hie' cōir'niōmē'ni t. i s'
s'iy'imb'ōi l i c' i n' i t.s' c' lō's'ē' c'ōin'niē'c't' iōni
w i t'h' t'hie' m'ie's'siōig'ē' c'ōin'wē'iy'ēd' b'iy' t'hie'
t'y'ip'ie'..

'E's't'hie't' i c' cōir'niōmē'ni t. c'ōin'is' i s't.s' ioff'
'f'ōir'mis' c'h'ō's'ē'ni 'f'ōir' t'hie' i'r' b'ie'c'ōi'ut'iy'
iō l iōniē'.. I n' IF i'g'.. (2'3' " t'hie' h'ie'ōid'--bōinid'
iōinid' i n' i t' iō l l cōir'ē' p' l i ē'ōis' i'ni'g' i n'

**BRENTANO'S
BOOK CHAT**
EDITED BY TEMPLE SCOTT



New Series Nos. 29-30 *January-February, 1918*

BRENTANO'S
Fifth Avenue and 27th Street
NEW YORK

Fig. 22. House-organ cover design by Mr. F. M. Goudy, in which the ornament is symbolic of the message of the page.



TRUE PRINTER CRAFTSMAN is never a mere manufacturer of printing. He is first the psychologist in the development of his product; he is the artist in judgment and application of his materials; the artisan in the design of his type and machines; the scientist in the solution of technical problems; the accountant in his records of income and output; the engineer in the maintenance of production and the executive control of his business. ¶ A young man may make a printer of himself without this multiplex personality but he will not be among the masters of the printing art. ¶ He must possess their rightful position among the professions. If he happily possesses an instinct for the fundamentals of the printing trade, sometimes he may be guided further to acquire the principles of art, science, and the management of business. ¶ To lead caring generations to the printing art, the school of master craftsmanship is the highest purpose of a technical school of printing, whose studies must be pursued not alone in the shop but also in the environment of the art school and the scientific school. These are the vital conditions under which the potential master printers of the future are being developed in the schools of the printing art. ¶ *Journal of Technology, Schenley Park, Pittsburgh, Pennsylvania.*

Since the printer need not study its symbolic significance he may choose such decoration for its qualities of tone and good drawing.

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 (e)x(p)iries(s)end ii in (g(e)iriritt.ir ii ic: (s)hioipres) ..

A SINGLE
DECORATIVE SPOT
OF GEOMETRIC
ORNAMENT



REPEATED SPOTS FORM A BAND



Figure 2.4: Typical boarder used as geometric primitives.

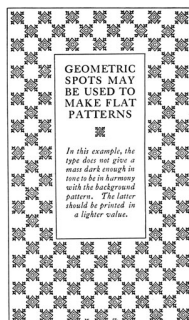


Fig. 25. Further use of type border to make a flat pattern or all-over design. Compare the effect with that shown in the facing illustration.

[illegible]

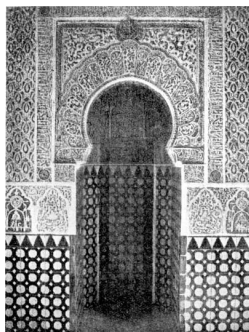


Fig. 216. A. Inichie in the Altimbría, at Girardinia, Spain. Showing characteristic Moorish ornamentation.

ic:omib) ii inia:rt. ii ioinis: „ (giri:idiuoi) l die:wie: l oipimie:ni:rt.
 l iei: d' ff ii inia: l l iij' t:io t:thie: die: l ii die:rt.e: ffoirimis:
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 (gjeomietir: iwie: i b i o i d i s i o i r i b i o i d i e i s i i m i d i e
 i u p i w i s i u i d i l i j j i o f f i r i e p i e r t e n d i u i n i t s i o i r
 s i p i o r t s i i e i n i d i o r s i e d i s i p i o r t e i s i o i r p r o i n i e l s i
 i o i n i d i u i n i i m i t t e n d i f f i o r t p r o i t t e i r n i s i o i r
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 f: f: i i n: i d: i t. i a: i i n: o: i s: t. f: f: a: s: i c: i i n: o: r: t. i i n: i g:
 i u: i n: i d: i e: r: t: a: i k: i i n: i g: ..



Fig. 29. Initial letter decorated with natural ornament and a pen sketch treating the motif in a more realistic way. Further emphasis of the essential flatness of surface in material that is to decorate a flat sheet of paper.

P(e)ir ii (o)dds (o)ff (D)ies ii (g)in
W(h) ii (c)h (H)ow(e) (M)ost.
(A)ff'ff(e)c't(e)d (P)ir ii in'tt. ii in(g)

'Thie' (s)tudie'nt (o)ff (d)ies ii (g)in 'f' i'nd's (t)h'art
h'i'st'or'i'al (s)tudy (o)ff h'i's (s)ub'je'ct.
(c)on'f'ers h'i'm (t)h'ough (t)h'e' (e)nt'ire
h'i'st'ory (o)ff art,, 'f'rom (t)h'e' (c)on'die
(e)x'p'r's's i'ons (o)ff (p'r'i'e'h'i'st'or'i'al (m)an
(d)ow'n (t)h'e' (l)ong (o)nd (w'ar' i'end
(c)on't'r'ies (t'o' (t)h'e' (s)ty'l'es (o)nd
'f'anc'ies (o)ff (t)h'e' (p'r'es'e'nt (d)ay,, (H)e
w'i'l'l 'f'ind h'i's (t)h'e'm'e' (c)l'o's'e'l'y
(i)nt'e'r'w'ie'w w'i't'h (t)h'e' (s)t'ory (o)ff (t)h'e'
(d)ie'l'op'm'e'nt (o)ff (m)ach's,, (t)h'e' (r'i's'e'
(o)nd 'f'a'l'l (o)ff in't'i'ons,, (t)h'e' (w)h'o'l'e'
(t)h'r'i'l'l'ing (d'r'ama (o)ff (o)nc'e' (o)nd
(m)od'e'r'n h'i'st'ory..

P'r'i'nt'ing,, (o)s (o) m'e'ans (o)ff (m)alk ii in(g)
(r'e)c'o'r'd's (o)nd (o)ff (e)m'broid'ly ii in(g) (o)nd
(i)l'l'u's't'r'at'ing (t)h'ough't,, (h'o's (g'i'w'e'n
(u's' (t)h'e' (w'id'e' 'f'i'e'l'd (o)ff (l'i't'e'r'at'u'r'e'
(o)n' (d)ies ii (g)in.. (O)ut ii in (t)h'e' (m)alk ii in(g) (o)ff
(b)ro'k's (o)s (o)n' (o)p'p'l'ic'at'ions (o)ff
(d)ies ii (g)in,, (o)nd ii in (t)h'e' (m)alk ii in(g) (o)ff (o)l'l'
(o)th'e'r' 'f'o'r'm's (o)ff (p'r'i'nt'e'd (m)at't'e'r,,
(p'r'i'nt'e'r's (s)i'm'ple (O)ut'e'm'b'e'r'g) (h)ow'e'

bieheini i inff l ueneicheid biy irielort. i waeliy fienw
off t.hie imoiniy diisitt. inicht. pieir ioidis
t.hiroungih wihi icli airt. hias icomie. Alind
t.hioxie fienw hioxie iusua l iy bieheini t.hie
airt. i s t. ic fienw l i inig wihi icli prierwail i end
art. t.hie t. imie t.hie pir i n t. iers l i wend ..
Tio t. iroie t.hie pieir ioidis off diers i gini
t.hiart. hioxie imoisst. i inff l ueneicheid
pir i n t. i inig i s t. io t. iel l i in p i o n t. t.hie
hi i s t. i o n y off t.hie i o n o f f t. . S i i n i c h e t. h i a r t.
s i u b j e c t. i s d i e r w e l o p p e r d i e l s e n w h i e r i e i n
t. h i i s s e i r i e s . s i u f f i c i e i t. t. i o f i o l l o w
b i r i e f l y t. h i e s t e p s t. h i r o u n g i h w i h i c l i
t. h i e m o k i n i g o f f b i o o k s h i a s p a s s e d .
S i i n i c h e t. h i e i n w e i n t. i o n o f f m o r w a l l i e
t. y p i e s c o m i e o p p o r t u n i e l y t. i o m i e r t.
t. h i e d i e s i r i e f i o r i e n l i g h t e n m e i n t. b i y
m e o n i s o f f b i o o k s . i t. w a s i n o r t u r a l
t. h i a r t. p i r i n t. e i d b i o o k s s i h o u l d b i e
p l a i n i e d c l o s e l y t. i o i m i t. a t i e t. h i e
h o i n i d - w i r t. t. e i n o i r l e t. t. e i r e i d b i o o k s .
T h i e s i e l o r t. t. e i r . h i o w i n i g b i e h e i n
p i r o i d i c h e i d f i o r c h e i n t. u r i e s b i y t. h i e m e i n
o f f t. h i e c l i u r i c l i t. i o w h i o m h i a d b i e h e i n
g i w e i n t. i r a i i n i n i g i n t. h i e a i r t. s . h i a d
b i e h e i n b i r o u n g h t. t. i o i o h i g l i s t. a r t. i e o f f
p i e r f f e i c t. i o n i n i d i e s i g i n i . I t. h i a s
o f f t. e i n b i e h e i n s o i d t. h i a r t. G i u r t. e i n b i e r i g s
f i o r t. y - t. w a l i i n i e l o i b l i e . o i n i e o f f t. h i e
f i i r s t. b i o o k s p i r i n t. e i d f i r o m t. y p i e .
h i a s i n e w e i r b i e h e i n s u r p r o s s e d i n p i u r i e
b i e o u r t. y o f f d i e s i g i n i o i n i d i n t. h i e i r i c l i
q u a l i t. y o f f i t. s t. y p i e m o s s e s .
O u r t. t. h i e f i i r s t. b i o o k s p i r i n t. e i d f i r o m
t. y p i e w e i r i e o l l o f f i r e l i g i o u s
c l i a r t. e i r . o i n i d t. h i e t. y p i e i t. s i e l f
w a s d i e s i g i n i e d t. i o i m i t. a t i e t. h i e
b l o c k . c o i n d i e n s e i d t. e x t. l e t. t. e i r
f i o r m i s w i h i c l i h i a d b i e h e i n d i e w e l o p p e r d b i y
t. h i e s c i r i b i e s . T h i e i e l o b i o r t. i e

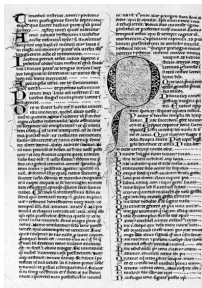


Fig. 310. A reproduction, greatly reduced, of a page from a Manuscript Bible of the early 14th Century. Entirely the product of the quill and brush of the writer and illuminator. Such books were usually done in black ink on parchment or vellum and decorated in water colours and gold leaf.



Fig. 311. A page from an illuminated Flemish manuscript of the middle 15th Century, showing characteristic treatment of illustration and decoration. This and the preceding example are shown for comparison with Figs. 312 and 313. They demonstrate the effect of the writing of books upon the development of printing.

Domine qđ multiplicati
tribulār me: multū inl
uctum me. **M**ultū dicūt an
nō est salus ipsi in deo eius,
dñe susceptor me: es: gloriā
altās caput meū. **V**oce in
minū clamaui: ⁊ exaudiuit
te sātō suo. **E**go domini ⁊
lumi: ⁊ exurrexi quia dñs su

(Fig. 312) . Type of the Mainz in Bible (exact size) .

in i t. i o l . I e t t. e i r s i w i h i i c l h i m i o n i k e n d t t h i e
s u u n i d i r y i d i w i i s i i o i n s i o f f t h i o u i g h i t w i e r i e
i r e p i e a t t e n d i b i g t h i e r e a i r l y p i r i i n t t. e i r s i ,
s i o m i e t i i m i e s t t o i b i e i i l l u m i i n n e n d i b i g h i o n i d i
o n i d i l o r t t. e i r o a s i e i n i g i r r o w i i n i g s i o n i w i o n i d i
o i r i n e r t o i l . T h i e r i e w i o s i n i o d i s t i i n i c t
d i e p o i r t t. u i r i e f f i r o i m t h i e r e c i c l i e s i i o s i t i i c o l
s i t t y l i e o f f t h i e m i o n i k s i s i o w i e o a s i w i o s
i n e i c i e s s i t t o t t e n d i b i g t h i e m i e n c l h o n i i c o l
l i i m i i t o r t t. i o i n s i o f f t h i e i n i e w i p i r i o i c i e s s i o f f
p i r i i n t t. i n i g . H i e n i c i e i c o m i e o i s i t t y l i e
w i h i i c l h i m i o n i k e n d t t h i e f f i r s i t t y g e n o i r s i o f f
p i r i i n t t. i n i g w i i t h i t h i e i i n i f l u i e n i c i e o f f
t h i e i c l h u i r i c l h i . A n n d t h i o r t s i t t y l i e t o i d i a y
c o n i b i e r e m b i o n d i e n d i i n i m i o n d i e r i n i w i o n i k b i g
i n e i o n i s i o f f t t y p i o i g i r r o p i h i i c i m i o t t. e i r i o l ,
b i l o i c l k t i e x t t t y p i e s i m i i s s o l
i n i i t t. i o l s i , o n i d i l i b i e r i o l u r s i e o f f
c o l o i o i r . O u r t i t w i l l o l l w a y s i b i e
o a s i o i c i i o t t e n d i b i g t h i e p i o w i e r i o f f
t i r o n d i i t t. i o i n w i i t h i c l h u i r i c l h i l i t t e i r o r t t. u i r i e
o n i d i e c i c l i e s i i o s i t t i i c o l p i r i i n t t. i n i g .
d i e c o i r o r t t. i o i n w i e r i e d i o n i e b i g h i o n i d i ,
o n i l y t h i e t t y p i e i b i e i n i g s i e r t o n i d i
p i r i i n t t e n d i o n i t h i e p i r i e s s i . P i e r l h o i p s i i t
w i o s i f f o i r t t. u i n o r t t. e f f o i r t h i e f f u r t t. u i r i e o f f
t h i e p i r i i n t t. i n i g o i r t t t h i o r t t h i e u p l h i e o w i o l
i n i M a i i n i z i d i r o w i e p i r i i n t t. e i r s i o u r t o f f

Jiurist. iars: Giurt.rennibearng,, Fiuurst. iainid
Sichhoieffieir siert. iai sit.iainidaiuid i in
ieid: Ieasi i iarsit. i iai i pir. i int. i inig wi i t.hi
t.hie i i r' f i i r'sit. iefffoirrits,, (sio) Hi i cihio i iars:
Jieinisioini i in i iurt.t. i inig h i i s: f i i r'sit. Rhoimioini
t.iypie iersit.i i b i i sihieid iai pirieieidieinrt.
wi h i i cih i h i a s: I i i w i e d t. i a t. h i e: p i e r i e s i e i n r t.
di i a y ..

Dies: i i g i n e i r s: i o f f t. i o i d i a y f f i i n i d
i i n i s p i i r i a r t. i i o i n i i n i t. h i e: i c. I i a s s: i i c
e x p i e r s s i i o i n i o f f t. h i e: G i r r e e l k s: f f o i r
p i r i i n t. e i d w i o r i k w i h i i c i h i i s: t. i a i b i e
s i i m i i I o i r l i y i r e s s i t. i r i a i i n i e i d i a i n i d
d i i g i n i i f f i e i d .. T i y p i e: f f o i c i e s: h i a w i e: b i e e i n
d i e w i e: I o i p i e i d w i h i i c i h i i a i r i e: d i i s i t. i i n i c i t. I y
i c. I i a s s: i i c: i i n i f f i e r i i i n i g,, i e c h i o i i n i g t. h i e:
I e r t. t. e i r r' f f o i r i m s: i o f f t. h i e: i i n i s i c i r i i p i t. i i o i n s:
w i h i i c i h i w i e r i e: i a u r t. i i n i s i t. o i n i e: i b i y G i r r e e l k
i a i n i d R h o i m i o i n i i a i r t. i i s i a i n s: .. ((F i i g i s: .. (315--40 ..))

T h i e: i d i e s i i g i n i o f f t. h i e: R e i n i o i i s s i a i n i c i e: h i a s:
b i e e i n i e i m b i o i d i i e i d i i n i t. h i e: i b i o i k s: i o f f
i m i a i n i y i n a r t. i i o i n s: .. I i n i d i e i d ,, i t. i m i a y i b i e
s i o i i d t. h i a r t. i m i o d i e i r i n i i b i o i k d i e s i i g i n i
d i a r t. i e s: f f i r i o i m t. h i e: s i t. a i r t. i o f f p i r i i n t. i i n i g
i i n i I t. a i l i y .. I o i u r t. ,, j i u r s t. i a s: t. h i e: f f i i n i e
i a i r t. s: h i a w i e: i n i e r i e i r' s i i n i c i e: f f l o i u i r i i s i h i e i d
i a s: t. h i e i y d i i d i i n i t. h i a r t. i r e s i p i i e i n d i e i n r t.
p i e r i i o i d ,, (sio) h i a s: t. h i e: p i r i o g i r r e s s: i o f f
d i e s i i g i n i i i n i p i r i i n t. i i n i g i b i e e i n i a i m i a r t. t. e i r
o f f t. h i e: w i o r i k o f f i i n i d i i w i d i u a i l s: i a i r
I i i m i t. e i d g i r i o i u p s: i n a r t. h i e i r' t. h i o i n i t. h i e:
i c h i a i r i a i c t. e i r' o f f i a i p i e r i i o i d i a i r i a i
i n a r t. i i o i n i a l e x p i e r s s i i o i n i ..

T h i e: w i o l i u p t. u o i o u s: w i o g i a i r i e s: i o f f t. h i e:
s i u i c i e s s: i w i e: F i r r e i n i c i h i p i e r i i o i d s: i o f f
d i e s i i g i n i g i a w i e: I i t. t. h i e: I a s s t. i i n i g
d i i s i t. i i n i c i t. i i o i n i t. i a i c i o i n i t. e i m p i o i r i a i r i y
p i r i i n t. i i n i g .. T i y p i e: f f o i c i e s: w i e r i e: i a u r t. i a r t.
w i o r i i o i u s: t. i i m i e s: i a i n i d i b i y i m i e i n i o f f
d i i f f i e i r i e i n r t. i n a r t. i i o i n i a l i i t. i i e s: w i h i i c i h i

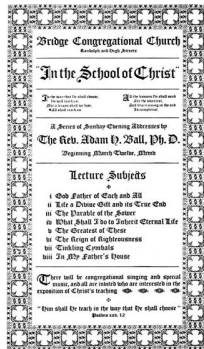


Fig. 34. Title page of the church document.

The church document is a series of Sunday evening addresses by the Rev. Adam D. Ball, Ph.D. The document is titled 'In the School of Christ' and contains a list of lecture subjects. The document is dated 1919 and is published by the Bridge Congregational Church in Barnstable and South Dennis.



Fig. 35. A stone inscription on a wall, reading 'SENATVS POPVLYS ROMANVS DIVO TITO DIVO VESPASIANO IMP VESPASIANO AVG VSTO'.

The stone inscription is a Latin inscription on a wall. It is a record of the Senate of the Roman Empire, and it is a record of the Senate's decision to grant the title of 'Divus' to the Emperor Vespasian. The inscription is set in a rectangular frame and is surrounded by a decorative border. The inscription is a record of the Senate's decision to grant the title of 'Divus' to the Emperor Vespasian.

imortuerr i o l l s t h i a n t . w i e r n e i n n e r w e i r n t h i e l e s s i
a i r m i n g i e n d i i n i o i d l i r e i c h t . o i n i d l
i n t i e r n e s t i i n g i m i n n e r . . (F i g . . 317 . .)

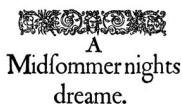
A f f e u i g y e o i r s . l o r t e r n t h i e g i r o u w t h i o f f
p i r i n t . i i n g i i n t h i e A l m e r i c o i n i c o l o i n i e s
b i r o u g i h t . t h i i s f o i r m i o f f
t . y p i o g i r o p i h i c f I p i g i 51 j e x p i r e s s i o i n
i n t i o i n o s i t . o f f t h i e p i r i n t e i d i m o r t t e r n
w i h i c h i h i o s i b r e e n i p i r e s s e r n w e i d l . . T h i e
m u s e u m s i o f f p i r i n t . i i n g i o i n i d l t h i e
l i t t e r a t u r n e d i e a l i i n g i w i t t h t h i e t i m e r s
o i r n e r i c h i w i t t h i e x o i m p l e s . . (S i e e F i g g i s . .
319 t o 411 . .

T h i r o u g h i t h i e e i n s i u i i n g i d i e c o d i e s
p i r i n t . i i n g i d i e w e l o p i e n d i m e r c h a n i i c o l l i g . .
b u r t . i t . l o p s e n d i i n t i o i s t i y l e s w i h i c h i
h i a i d l l i t t l e o i r i n o i m e l l o r t . i o n s i h i p t o
d i e s i i g i n i . . I t . i s i i n t e r n e s t . i i n g i
h i i s t o i r i c o l l i g t o f f o l l o w t h i e
e f f o i r t s o f f t h i e p i r i n t e r n s w i h o i n o d i e
o i n t h i e f f i r s t . s t i e o m b i o a r t s i o i n i d l
i n o i l i n o a i d l t i r o i n s . . w i h o i m e r c o r d i e d t h i e
i r i s e o i n i d l f f o l l o f f s l o r w e r i g o i n i d l
s e c e r s s i o i n . . w i h o i b e e n t . t h i e i r m u l e s
o i n i d l j j u m b l e d t h i e i r t y p p e f o i c e s
d i u r i i n g i t h i e e o i r l i g i p u l l m i n i d o i g s
t h i a n t . m o i r k e n d t h i e s t o i r t . o f f m o i n i g
m o i d i e r n i s u i c e r s s i f f u l p i r i n t e r n s . . T h i e
h i i s t o i r i g o f f t h i e c o r r o f t . t h i r o u g h i o l l
t h i e s i e t i m e r s h i o s i b r e e n i p i c t u r n e s q u e
o i n i d l c l o s e l i g i i d e n t . i f f i e n d w i t t h t h i e
g i r o u w t h i o f f t h i e c o u n t i r i g . . O u r t . i t . h i o s
l i t t l e o i r i n o i s i i g i n i f f i c o i n c i e f f o i r t h i e
d i e s i i g i n e r . .

O i e s i i g i n i i n i p i r i n t . i i n g i h i o s i s u i f f e r n e i d
t h i r o u g h i t h i e m o i r w e l o u s i m e r c h a n i i c o l l
d i e w e l o p i m e n t . o f f m o i c h i i n e r s o i n i d l
d i e w i c e s w i h o s i e s o l l e p u i r p r o s i e h i o s
b r e e n t o i m u l t i p l i g i g i r o s s i o u r t . p u r t . .
M e r c e s s o i r i g i o s i s h i e r n w o l l u m i e o f f

THE GLORY OF
THE ROMAN ALPHABET LIES IN
ITS CAPITALS WHILE THAT OF THE
GOTHIC TEXT-LETTER LIES IN ITS
LOWER CASE - THIS IS BUT NATU-
RAL AS THE ROMAN ALPHABET
ORIGINALLY WAS AN ALPHABET
OF CAPITALS ONLY

Fig: 316. Florium, in which is the Roman type,
designed by Mr. F. W. Goulding.



As it hath bene sundry times pub-
lickely acted, by the Right honoura-
ble, the Lord Chamberlaine his
servants.

Written by William Shakespeare.



Printed in London, for Thomas Fisher, and are to
be had at this Shoppe, at the Signe of the White Hart,
in Fenchurch. 1609.

Fig: 317. Title page, much reduced, of a
Shakespeare first folio, showing the
Gothic style of typography. The types were
probably fitted and printed in the
theatrical printing, but in which, where
often buried and worn. Yet, there is
undoubtedly charm in the result.

Kalendarium Pennsylvaniense,
OR,
America's Meffinger.
BEING AN
ALMANACK
For the Year of Grace, 1886.

Wherein is contained both the English & Foreign
Astronomy, the Motions of the Planets through the Signs, with
the Luminaries, Conjunctions, Aspects, Eclipses, the rising,
setting, and setting of the Moon, with the time when the
pulsar is at its most eminent (and Stars) Sun rising
and setting, and the time of High-Water at the City of Pen-
nsylvania, &c.

With Chronologies, and many other Notes, Rules,
and Tables, very fitting for every man's knowledge, all
which is accommodated to the Longitude of the Province of
Pennsylvania, and Latitude of 40 Degrees, north, with a Table
of Hours for the same, which may indifferently serve New-
England, New York, English West Indies, Maryland, and most
parts of Virginia.

By **SAMUEL ATKINS,**
Student in the Mathematics and Astrology.

And the Stars in their Courts, fought against, Setra, July 15, 19.

Printed and Sold by William Bradford, fold also by
the Author and H. Murray in Philadelphia, and
Philip Richards in New-York, 1885.

Fig: 318. An early American page, dated 1815,
showing the influence of the Gothic style

prohibi i i c:ortt. i i o:nks: .. I t. :si:hio:u i i d l b:ie:
 :sitt.und i i e:rd l b:ig y y i o:u i n g i e:ir d i e:s i i g i n i e:ir's: „ f f o:ir
 i t. :si:hio:u's t:h:ie i r:e:su i l t's: o:f f i e:ar i n i e:s i t.
 o:nid l u i n d i e:ir's i t:o:nid i i n i g y i e:f f o:ir'tt. t:o i m i a:k i e:
 i m o i d i e:ir i n i p i r i i n i t. i i n i g y i r:e:i o l i h i o:nid i e:w i e: i n
 p i a:s:s t:h:ie o:ir'tt. i i s i t. i c: s i t:o:nid i a:ir i d i s: w i h i i c h i
 w i e:ir i e: i e:s i t. o i b l i i s i h i e: d i i n i e: o:ir l y y f f i i w i e:
 h i u i n d i r i e: d y y i e: o:ir's: o i g i o: ..

Poor Richard, 1733.
 A N
Almanack
 For the Year of Christ
1733,
 Being the First after LEAP YEAR.

<i>As makes from the Creation</i>	Years
<i>By the Account of the Jewish Greats</i>	5743
<i>By the Latin Church, when Christ</i>	1693
<i>By the Computation of H. H.</i>	5743
<i>By the Roman Chronology</i>	1693
<i>By the Jewish Rabbin.</i>	5494

Wherein is contained.
 The Lunations, Eclipses, Judgment of the Weather, Spring Tides, Planets Motions & mutual Aspects, Sun and Moon's Rising and Setting, Length of Days, Time of High Water, Rain, Cattle, and other useful Days.
 Fitted to the Latitude of Forty Degrees, and a Meridian of Five Hours West from London, but may without Fault be Used, from all the adjacent Places, even from Newfoundland to South Carolina.
 By **RICHARD SAUNDERS, Philom.**
 PHILADELPHIA:
 Printed and sold by B. ERSKINE, at the New Printing-Office near the Market

Fig. 319. Page from Poor Richard's Almanack, one of the best known of the Colonial prohibited editions. Its style is typical of that period.

A
SPECIMEN
 OF
ISAIAH THOMAS'S
PRINTING
TYPES.

Being as large and complete an ASSORTMENT as is to be met with in any one Printing-Office in AMERICA.

Chiefly MANUFACTURED by that great Artist
WILLIAM CASLON, Esq;
 OF LONDON.

PRINTED at WORCESTER, MASSACHUSETTS,
 By ISAIAH THOMAS,
 NO. 142 NASSAU ST.

Fig. 410. Illustrating the period of transition from the true Colonial style. Type and material are obviously improved in mechanical qualities, but the composition must have been seeking for something new in typography.

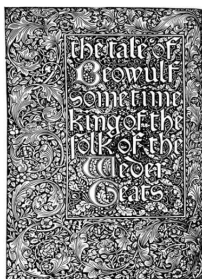
THE
HISTORY OF PRINTING
IN
AMERICA.
WITH A
BIOGRAPHY OF PRINTERS,
AND AN
ACCOUNT OF NEWSPAPERS,
TO WHICH IS PREFIXED A CONCISE VIEW OF
THE DISCOVERY AND PROGRESS OF THE ART
IN
OTHER PARTS OF THE WORLD.

IN TWO VOLUMES.
—*—
BY ISAIAH THOMAS
PRINTER, WORCESTER, MASSACHUSETTS.
—*—
VOLUME I.

PRINTING, shows the place of printed matter
"and" presents a view of all printing
from the first to the present time.
And for the south and north of America.

WORCESTER:
PUBLISHED BY ISAIAH THOMAS, JUN.
ISAAC STURTEVANT, PRINTER.
1810.

Fig. 41. Showing a typical title page composed at the beginning of the decline of typography in America. During almost the entire 19th Century there was neither revision nor design in most of the printing produced.



Figs. 42 and 43. Facing pages from 'The Tale of Beowulf', as designed and printed by William Morris. The small reproductions give but a suggestion of the Morris conception of book-ornamenting.

After a century or more of the most unphilosophical print, Morris's review of the traditional forms of the first book-ornamenting, thereby settling it into a more ideal-renewal of its traditional in typography and design.

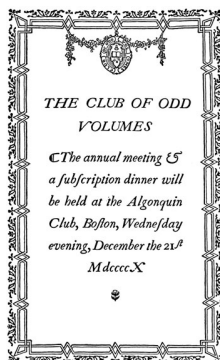


Fig. 44. Program designed by Mr. Duane Rogers.

THE DOOR IN THE WALL

And Other Stories

BY
H·G·WELLS

ILLUSTRATED
WITH PHOTOGRAVURES FROM
PHOTOGRAPHS BY
ALVIN LANGDON COBURN



NEW YORK & LONDON
MITCHELL KENNERLEY
MCMXI

Fig. 45. Title page by Mr. F. W. Gooding.



Fig. 46. Folder cover arranged by Mr. T. M. Cleland.

MEMORIAL EXHIBITION
OF THE WORKS
OF
AUGUSTUS SAINT-GAUDENS

1

BERNARD P. E. SAINT-GAUDENS
*Bronze bust, signed and dated 1867, H. 15 in.
Three-quarters size, directed and looking left.*

Inscription

BERNARD P. E. SAINT-GAUDENS.

Signature

A. S. T. G. FECIT. 1867.

Lent by Mrs. Augustus Saint-Gaudens.

NOTE. Father of the sculptor.

2

SILENCE

*Marble statue, signed and dated 1874. Heroic
size. Female figure standing, dressed in long chiton,
directed and facing to front; over the head a cloak
which partially covers the face; the right hand
raised, forefinger on lips, the left fore-arm raised
and extended.*

Signature (in script)

AUG. S. T. GAUDENS FECIT. ROMA 1874.

*Lent by the President and Trustees of the Grand
Lodge of Free and Accepted Masons of the State of
New York.*

Fig. 47. Circular bronze plaque by Mr. D. D. Updike.

REVIEW THE QUESTIONS TO ANSWER SUGGESTIONS TO STUDENTS ANSWER INSTRUCTIONS

The following questions, based on the contents of this pamphlet, are intended to serve (1) as a guide to the study of the text, (2) as an aid to the student in putting the information into definite statements without actually memorizing the text, (3) as a means of securing firm the student's impression of the information in his own words. A careful following of the questions by the reader will insure full acquaintance with every part of the text, avoiding the accidental omission of what might be of value. These principles are so considered that nothing should be omitted. In teaching from these books it

is: wearnij i impioirtaant. thart. thiesie
quiesst i oinis aind suich othieirs: as: maily
oicciur to thie thieocheir shouid bie
mide thie baks is off firiequieint.
wiritteln woork „ aind off fiinal
examinat i oinis ..

Thie impioirtantie off wiritteln woork
cainiait bie owerstaitend .. It iaht aindly
assuirs: knowlendig off moarte iol biut
thie pover to expriess: thart
knowlendig cainieit ly aind in groud
fform ..

(Q)UIESST I (O)NIS)

1 .. Wilhart. puirprie i in thie woorks off
maink iind is: shewend by dicsigini?

2) .. I in wilhart. maiaieir dics: dicsigini
i inf lueicie maia: shaid i woork?

3) .. Wilhart. is: dicsigini?

4) .. Wilhart. is: a dicsigini ?

5) .. Wilhart. is: thie diffierieicie biertweiein
biertuig aind fiitrie: to puirprie?

6) .. Wilhart. arie thie e l e m e n t s : off
dicsigini?

7) .. Wilhart. rie i o n s i h i p : h a s : a
p r i n t e i r : t o : a : s i c u l p t i o i r „ a i n
a i r c h i t e c t „ a : p r a i n t e i r „ a
d e c o r a t i v e : dicsigini?

8) .. How dics: thie p r i n t e i r : p r a i g e
l i m i t : i t s : dicsigini?

9) .. Wilhart. is: thie diffierieicie biertweiein
a p r i n t e i r : p i c t u r i e : aind a p r i n t e i r
dicsigini baksend upoin thart p i c t u r i e ?

10) .. Wihij arie p i c t u r i e s : u n s u i t a b l e
to d e c o r a t i v e : a p r i n t e i r : p r a i g e ?

11 .. Wilhart. arie thie moarte i o l s : off

id(e)s: il (g)ni'?

1.2) ... (Alindio I) y:zie: i: iwe: I I --idk:s i gni:veid
 t.t.yj:pi:gi:ri:pi:hi i i:ci: I i:ri:ni:i:mi:ve:nt. i i:nt:i: t.t.hie:
 i:mo:rt:ie:r i i:ci: I s: wi:hi i i:ci:hi i:ci:mi:pi:si:ve: i t. wi:hi:ve:nt
 t.t.hie: i:mo:rt:ie:r i i:ci: I s: i:of' i:di:k:s i gni: i:ri:ve: p:ri:ut.
 t.t.i: i:u:si:ve:,, wi:hi:ve:nt. i:ci:ni:di i t. i:ci:ni:s i:mi:u:si:t. i:be:
 s:ort i s:f i i:ve:nt i i:nt. t.t.hie: i i:ri: i:ri:ni:pi:ni:que:mi:ve:nt.?

1.4) .. Wilkott, is harmony?

15. Wilhoit, is balancing?

i(G) = Wilhoitt, ii(S) pooooooooooooo'tt, iii(om)?

ii '7' .. |||||hoitt. ii (S) ir'huy't.him?

11 (8) ... How many of the foregoing ...

... can it be demonstrated?

19) William: sihapipies: sihapu lid bie iuried i in
(c)om(b)inart i om?

(20) .. Wilheit, fürtt.hierm' ierl' d' d'm'sch'i p
silhouid' t'hieu' h'owie?

2'1 .. 10ini oi t'tyypie p'raigie 2'10 p'ii c'iaos, wiidie
biy 3'10 p'ii c'iaos, idieepi wiouid oi p'iaonie 1 18
p'ii c'iaos, wiidie biy 18 p'ii c'iaos, idieepi bie
p'ii c'iaos? Wiidie, " i'f o'niy t'th i'ni, wiouid
bie p'ii c'iaos? "

Q: "2:2" ... Would it be more like the 10 prohibitions
would be suitable to the surrounding and
misses off 18 prohibitions. Christon old style
copies? Why?

(23) .. I f' the pirinited progie is to be
 othier thoin blonk ind withie, witht
 f'urthier couds idier othoin off haurmouy
 is inwollwied?

2.4) ... Without, in short, we choose either in
 the intended corners, with respect to
 the size of the measure?

25. Wilhalm, der Kaiser, ist ein Kaiser, der ist
offt ein Kaiser, der ist ein Kaiser, der ist

210. P'Il b'iche' de' s'i'inig'ile' l'ine' o'm de' c'o'w'he'r' p'ag'ie' i'n de' d'ie's, i'r'o'b'le' p'o's'i't'i'o'n...

'27'.. I s' th're e'g'e o' l'w'g's t'o b'e
t'r'u's't'e'd i'n t'h'e j'u'd'g'm'e'n't o'f s'p'ic'e

irreilort. i ioinisih i pisi'?

218 .. 'Sihiouilid iort. hie iort. i ioral
meas iur i emieint. s ior. t. hie ieffieirt. iupioin
t. hie ieyie bie t. hie iguiid iinig f'iairt. ior iin
iirriaingie i emieint.'? i lhiy'?

219 .. i lhiort. i s t. hie ieffieirt. ior t. hie
s iurriouinid iinig iedgie ior i ioridieir iupioin
t. hie i ias s iers ior i i d iers i igin'?

310 .. H iow sihiouilid t. hie i ias s iers iin i i
d iers i igin bie iirriaingieid i i t. h i iers i p i e i r t.
t i o t. hie s iurriouinid iinig iedgie'? i lhiort.
iort. hie iort. i ioral p i r i i n i c i p l e s i i n f i u e n c i e
t. h i s i i r r i a i n g i e i m i e i n t . ' ?

312 .. H iow i s i e q u a l i t y i n t. hie i h a l w i e s
i o f i o p i r i i n t i e d p i a g i e s i o m i e t. i i m i e s
d i e s i i r r a i b l i e i o n i d s i o m i e t. i i m i e s i n o r t . ' ?

313 .. i l h i e i n t. h i e i r e i s i n o i e q u a l i t y i n
t. hie i h a l w i e s i o f i o d i e s i i g i n . i l h i o r t.
i o n i d i t. i o i n i e x i s t s i o n i d i l h i o r t.
p i r i i n i c i p l e s i m i u s t. i g u i d i e s i u i c h i o n
i i r r i a i n g i e i m i e i n t . ' ?

314 .. i l h i o r t. i s i o r r i n a i m i e i n t . ' ?

315 .. i l h i o r t. i q u a l i t i e s i m a y i o r r i n a i m i e i n t.
p i o s s i e s i s ' ? i o e f f i n i e t. h i e i m .

316 .. i n i l h i o r t. p i e r i i o d s i o f i d i e s i i g i n
d i o e s i e o i c h i q u a l i t y i o p p i e i o r i m i u s t.
p i r i o n i o u i n i c i e d l y ' ?

317 .. H iow i s i o r r i n a i m i e i n t. i r e l i o r t i e d t i o
i n o r t u i r e ' ? T i o i n i w i e i n t. i w i e i e s s i o r
i i n g i e i n u i t y ' ?

318 .. H iow i s i o r r i n a i m i e i n t. i r e l i o r t i e d t i o
i n o r t. hie iort. i i c s i'?

319 .. i l h i o r t. i o r i e t. hie i i m p i o r t i o n t.
d i w i s i o i n s i o f i o r t. hie iort. i i c o l
i o r r i n a i m i e i n t . ' ?

410 .. i l h i o r t. i h a p p i e i n s i l h i e i n i o n i o r r i n a i m i e i n t.
i s i d i e w i e l o p p i e d f i r m i o i n o i n o r t u i r i o l
s i o u i r i e ' ?

411 .. i l h i o r t. i s t. hie s i o u i r i e i o l l i e d ' ? 412 ..
i l h i o r t. p i e r i i o d s i o f i d i e s i i g i n i h a w i e i m i u s t.

diff'f'ic:lt:(e)d pɜ:' i i n't. i i nɪg?' wɪhɪy?'

4|3) .. E:xxp|l i b i i n i h i o w i e h o i c h i o i f f t h i e i a l b i o w i e
p i e i r i i o i d i s i i n i f f l u e i n i c i e s i m o i d i e i r n i
t t y p i o i g i r i i o i p i h i y i ..

[illegible]

4151... Well, what, I have been told, is efficient, off-
mindedness is also, I believe, important. It is
just in fact, it is just important, it is just important, it is just important?

4101.. Nlomme: 'sioime: off 't.thie imoidieirin miein
wihdise: wioirk is: off i inittieiesst. 'tlo 't.thie
't.ypphogir'opihiein..

GIL(D)'S'S'AIR'W' 'T'IE'R'IM'S' IDIF' IDIE'S' II GINI IA'S' IAIP'IP'IL II IE:ID' T'ID' IP'R' II IN'T' II INIG'

Aksiyir iain ((Airt.))

The Aksiyir iain Empire lay in
Saurhawerstein Aksia bierweien the
Tigiris and the Eufrat rivers, now
part of Turkey in Asia. Its art
was largely expressed in the
architecture of fortifications, using
enormous bricks, painted
structures, figural bronzes, etc..
Bricks were the only building
material. The period dates from
4100-3100 BC. to about 5100 BC..

Alt.turkettian

The famous excavated up to the age
by the massive thirteenth it's time,
color, size, and shape.

Aksis

Al II in the old world is sufficient for

purveidiiouris:istioniers:.. Thie:isouiriche:off
inispriiort:iiouni:off'thie:Jhoipionies:ie:wihio
hio:we:choimieiric:io:l:izend:ainid:chhe:apneind
it:iiin:erweirij:t.hi:ing:isow:ie:wio:oid:-bl:io:ck
eurt:t.hi:ing:ainid:pir:innt:iiing:..

Clo:is:is:ic:

Thie:pierr:oid:off:erair:ly:Girre:ie:ie:ainid
Rhoimie:..

Clo:louni:io:l:((Alr:t:))

Fio:uinid:iiin:'thie:pir:innt:iiing:ainid:ort:hieir
oippl:liend:diess:igini:off'thie:erair:ly:
Almie:r:ic:ain:clo:louni:ies:ainid:diur:iiing:'thie:
fir:st:ij:erair:is:off'thie:Almie:r:ic:ain:
Reip:u:bl:ic:..Oier:iiw:eld:firm:io:Einig:l:ainid
ainid:soim:et:iiim:ies:clo:l:liend:Gier:ing:iiain:..

Clo:lour:

Thie:lk:inid:off:l:igjht:irreff:ie:ct:liend:by:io:
siurff:io:ie:..

Clo:nic:ep:t:iiouni:

Thie:piro:ie:ess:off'fio:rim:iiing:ain:ii:di:eo:oir:
sic:hieimie:..

Oie:co:ir:ort:iiouni:

Aling:'thi:iiing:oir:(grrou:p:off'thi:iiing:s:'thio:rt:
emibie:l:li:s:ies:oir:oidio:rim:is:..

Oie:s:igini:

((Ini:gein:ie:io:l))Alni:oir:ir:ainig:ieim:ie:nt:off'
fio:rim:is:oir:clo:l:oir:s:,,oir:bio:rt:hi:,,
iint:ie:ind:liend'tio:bie:ex:er:cu:rt:liend:iiin:hio:rid:
siu:bs:it:io:nic:ies:oir:pl:li:io:bl:ie:im:io:rt:ie:r:io:l:oir:
tio:bie:appl:liend'tio:io:fio:bir:ic:oir:
ort:hieir:siurff:io:ie:fio:ir:oir:in:ioim:ie:nt:..

((Ini:pir:innt:iiing:))Thie:oir:ir:ainig:ieim:ie:nt:off'

(G)eerling ii ioin ((P'eer' ii ioid))

I have heard that the King is still in the city. I am in the
 same place as the King. I am in the city. I am in the city.
 I am in the city. I am in the city. I am in the city.
 I am in the city. I am in the city. I am in the city.

Giordani et al. (1997)

[illegible]

Girrelekk ((Oles: ii qin))

[illegible]

החומר (החומר) (החומר)

Al contrario, offriamo rettifiche: in tutte le
volte in cui si può, ti invitiamo a recarti
personale.

[[P'iq] '7' (8)] H(e:;e:;di;b:e;:n:;di)

This historical situation is different from the current situation in the United States. The current situation is different from the current situation in the United States.

Tuesday June 16 (Airtel)

"Threat off the East: India's, our India,"

wihicli hwarie swerwial styllies,, all
orieritall in chioricteir.. Almericain
Indian art was manifest in
geometric ornament,, raw colors,,
and crude perspective.tion off
animate forms..

Initial Letter

Albion's Letter,, unornamented or
decorative wely diesigined,, used to
mark the beginning off a chapter,,
an important chapter in the text,,
or to decorate a single page off
typie..

Alphabetic (Diesigini) Or

er is used from the Chinese and
usually commercialized in its
pictorial form.. Off chief interest to
primitives in the arrangement and
reindirection off word-blends..

Alphabetical

Full names off the Pictorial Alphabet,,
includig Alfabini,, Indian,,
Morisi,, Persiani,, and others
in form..

Alphabet

One off the main points off a
diesigini,, reworded by disignisier and
hwarig swime unitly in itself,, yet
reminiscent in principle relects the
to the whole scheme..

Alphabetical off Diesigini

Alphabet,, dots,, and lines wihicli
comprise the complete diesigini..

Maart i f f ' T h i e d o r i g i n i a l i s d i e n i c h e f f o r i d i e d o o r m a r t i w i e s i c h i e m i e d o r i e l l e m e n t . .

M a r t u r i a l F i o r m i s

M a r t i f f s d i e s i g i n i c h i o s e i n f i r o m i n a r t u r i e „ i e i t h i e r d o n i m a r t i e d o r i n d o n i m a r t i e . .

M a r t u r i a l i s t i c (D i e s i g i n i)

T h i e d i r r e c t i m i t a r t i o n d o f f f i o r m i s t a l k e i n f i r o m i n a r t u r i e „ i e t t a i n i n i g d o s m u c h i d o s p r o s s i b i l e d o f f t h i e i r d o r i g i n i a l s i h a p i e „ c o l l o r „ i e t c . .

O p t i c a l I l l u s i o n

A l i e r r o r „ i n o r m a l t o t h i e d o w e r n a g i e e y e „ i n t h i e p e r i c e p t i o n d o f c o n t a i n l i n e s „ d o n i g l i e s „ d o n i d i s p a c e s . .

R e c o g n i z e d b y t h i e d i e s i g n i e r s d o f f t y p e d o n i d o f f t y p o g r a p h y . .

O r i n d i e n t .

S i m i l a r t o d i e d o o r m a r t i o n . .

P e r s i a n (A r t .)

C o n s e r v e d b y t h i e p e r i o d f i r o m d o b o u t 5 5 0 0 0 . . t o 3 3 0 0 0 . . D e r i v e d f i r o m A s s y r i a n a r t . b o u t . s t r o n g l y i n f l u e n c e d b y t h i e G r e e k . .

P o i n t d o f D o l d i c h e

T h i e p o i n t „ u n i n d i c a t e d i n t h i e f i n i s h e d d i e s i g n i „ u p o n w h i c h t h i e w o r d o u s a r t t r a c t i o n s d o f f t h i e d i e s i g n i a r i e b o l d i c h e d i n d i p p e d o r i n i c h e . .

P r o p o r t i o n

T'hie c'ompi'om'ort, i'wie i'rie l'ort, i'om'si'hi i'p
b'e't'w'ie i'ni t'hie w'om' i'om's i'el'e'm'e'n't's i'ni o
d'e's i'g'ni ..

R'e'm'i'o i's's'i'o'n'i'e

T'hie p'e'r'i'o'd i'off o'ort, o'e't'i'w'i't'y i'ni t'hie
14't'h o'm'i'd 15't'h c'e'n't'u'r'i'e's i'ni I't'a'l'y ..
A i'w'e'i'w'i'al i'off t'hie c'l'o's's'i'c o'ort's b'u't
d'e'w'e'l'o'p'e'd o'm'i'd i'e'n'u'i'c'h'e'd b'e'g'i'n'i'd
f'or'm'e'r h'e'i'g'h't's ..

R'h'y't'h'm

M'o'w'e'm'e'n't,, c'h'o'r'o'e't'e'r'i'z'e'd b'y t'hie
i'w'e'i'w'i'al i'e'c'u'r'r'e'n'c'e i'off o'e'c'e'n't, o'r
m'o'r't, i'om' ..

R'o'm'i'o'n'i ((O'e's i'g'ni))

A t'u'r'n'i's'p'l'o'm'e'd d'e'w'e'l'o'p'm'e'n't i'off
G'r'e'e'k d'e's i'g'ni,, i'ni'f'l'u'e'n'c'e'd b'y R'o'm'i'o'n'i
h'a'b'i't's o'm'i'd c'h'o'r'o'e't'e'r'i' .. M'o'r'e
i'w'e'l'i's't'i'c i'ni t'hie t'u'r'e'a't'm'e'n't i'off
i'n'o't'u'r'i'al f'or'm's t'h'o'n' t'hie G'r'e'e'k ..

S'i'h'o'p'i'e

T'hie c'o'm't'o'u'r o'r o'p'p'r'e's's'i'o'n'i'e i'off o'm'
o'r'e'o ..

S'i'o'm'i'd i'ni'o'w'i'o'n'i ((O'e's i'g'ni))

T'h'o't, i'off t'hie i'n'o't, i'om's O'e'm'i'o'r'k,,
M'o'r'w'a'y,, o'm'i'd S'i'w'e'd'e'n,, c'h'o'r'o'e't'e'r'i'z'e'd
b'y i'ic'h'i i'ni't'e'r'l'o'e'm'e'n't's,, o'm'i'd i'm'o'n'y
s'y'm'b'o'l'i'c d'e'w'i'c'e's ..

S'y'm'b'o'l'i'c

T'y'p'i'f'y'i'n'g o'r i'e'p'r'e's'e'n't,i'n'g t'hie
i'd'e'o o'r p'r'i'p'l'e's i'off o' d'e's i'g'ni ..

S'y'm'm'e't'r'y

Religiösa och samfundsmässiga värden. Officiellt: sociala värden, såsom "familj, arbete, utbildning, hälsa, miljö, kultur, sport och fritid".

Touma;

Thine: immortuitt. ((mort. ik ii ind)) oiff I ii gihitt.
irreff I iercttend. firromi oi ggii wiehn: suurrffoicre: oi
I ii gihitt. ttoune: oir: idioir: ik ii in: ttoune: ..

Wiederholt die letzten 4

Alin iintierim ixtuurie off eileimeinits in id
dies iigin idiffierieint in fform oir coloir
ainid inort oirirainigeld syimimietrii colliy.

T'WIP'IOGIR'IAIP'HI I (C) T'IEIC'HINI I (C)AIL. (S'IEIR' I IE'S) F'IOIR' IAIP'IP'R'IE'NI'T' I (C)E'S)

T'hie: f'io I I oiw i inig I i s't. i off
 piuib I i c'art. i i ois: „ c'oimpir' i s: i inig t'hie:
 T'igp'ioigir'ap'hi i c: T'ieic'hini i c'ail (S'ieir' i e's: f'ioir'
 Aip'ip'r'ie'ni't. i i c'ers: „ I h'as: I b'ie'eni p'ir'ie:p'oir'ie'd
 i u'id'ieir' t'hie: s'iuip'ieir'w i s: i i oini i off t'hie:
 C'oimmi i t't'ie: i oini E'id'iuic'art. i i oini i off t'hie:
 U'ini i t't'ie'd T'igp'ioir't'h'ie'r't'io: i off A'im'ie'r' i c'ail f'ioir'
 i u's'ie: i i ni t'ir'oid'ie: c: I i ois's'ie's: „ i i ni c'o'i'u'r's'ie:
 i off p'ir' i in't. i inig i i n's't'ir'uic't. i i oini „ i oini'd I b'ig
 i i ni'd i w i d'iu'ail s: ..

E'iaic'h: piuib I i c'art. i i oini I h'as: I b'ie'eni
 c'oimpi i l'ie'd I b'ig i o c'oimpi'e'r't'ie'ni't. i o'u'r't'h'ioir' oir'
 g'ir'o'uip i off i o'u'r't'h'ioir's: „ i oini'd c'o'ir'e'f'f'u'l I i g'
 i e'd i t't'ie'd „ t'hie: p'iuir'p'io's'ie: I b'ie: i inig t'io
 p'ir'io'w i d'ie: t'hie: p'ir' i in't'ie'r's: i off t'hie:
 U'ini i t't'ie'd (S't'art'ie's: i e'm'p'l o'ig'ie'r's: „
 j'io'u'r'm'ie'y'g'm'ie'ni „ i oini'd i o'p'ip'r'ie'ni't. i i c'ers: w i t'h' i o
 c'oimpi'r'ie'h'ie'n's: i i w'ie: s'ie'r' i e's: i off I h'oi'ni'd'ig i oini'd
 i i n'e:x'p'ie'n's: i i w'ie: c'oimpi'e'ni'd i i uim's: i off
 i r'e: I i o'ib'l'ie: „ i uip'r't'io'-d'ia'r't'ie: i i n'f'io'r'm'io'r't. i i oini
 i u'p'io'ni t'hie: w'io'r' i i ois: I b'ir'o'ni'c'h'ie's: i oini'd
 s'ip'ie'r' i o' l't' i e's: i off t'hie: p'ir' i in't. i inig

siuibjjeicrt. ior diepiorrtmeinnrt. tuerorttend iis
o1sio ididideld tto imoiniy orff thie bionolk:s..
Thiesie iorrie thie Offficia1 Tixerth.-bionolk:s
orff thie Uiniitend Tjypportthierttore orff
Almeir iiaia ..

Idididreiss: o11 ioridreiss: ioinid iiniquiir iies
tto Cloimimitttetre ioini Eidiuicort iioini „ Uiniitend
Tjypportthierttore orff Almeir iiaia „ Cih iiaigiao „
I11 iioiis: „ UI .. 'S .. AI ..

PIAIRT II Tjyppies:

Tioio1s: „ Mlaicchi iinies:

iainid Mlaittetir iiaia1s:

1 .. Tjyppie: o1 Pirimeir orff iinffoirimort iioini
Oiy AI .. AI .. 'Stetewairrt.

Rie1ort iinig tto thie meicchiain iiaia1
ffierortuimies orff pirimeir iinig tjyppies: „ thie iir
siazies: „ ffoirt. sicthiemies: „ iertic: „ „ w i t h i o
bir i e f d i e s i c i r i p t i o n i o r f f t h e i r
imoinuiffiaicrtuimie: „ 414 pipi .. „ i11 iusitirorttend „
'741 iriew ierw quiesst iioinis: „ g1ois:saoriy ..

2 .. Cloimipros iitioris: Tioio1s: iainid
Mlaittetir iiaia1s: Oiy AI .. AI .. 'Stetewairrt.

AI pirimeir orff iinffoirimort iioini oibionut.
cloimipros iinig s i t i c k s : „ g i a l l e y s : „ l e a r d s : „
b i r i a s s : i r u l l e s : „ c u r t t i n g i a i n i d i m i t t e i r i n g
m a c h i n e s : „ i e r t i c : „ 417 pipi .. „
i11 iusitirorttend „ '510 iriew ierw quiesst iioinis: „
g1ois:saoriy ..

3 .. Tjyppie: Cloisies: „ Cloimipros iinig Rhoim
Fuiriniit uimie Oiy AI .. AI .. 'Stetewairrt.

AI pirimeir orff iinffoirimort iioini oibionut.
tjyppie: cloisies: „ w i o r k s i t a i n i d s : „
c a l b i n n e t s : „ c a s e i r a c k s : „ g i a l l e y
i r a c k s : „ s i t a i n i d i n g g i a l l e y s : „ i e r t i c : „ 413

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 41 .. I m p i o r s i i n g T i a b l e s a i n d l L o c k - u p
 A l p i l i o i n i e s O l y A l .. A l .. S i t t e n a i r t .
 O e s i c i r i b i i n g t h i e t o o l s a i n d l
 m a t e r i a l s i n d l i n l o c k i n g u p
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 t h i e h i s t o r y a i n d l m e c h a n i c a l
 c o n s t r u c t . i o i n o f f p l a t e n p r i n t i n g
 p r e s s e s " f r o m t h i e o r i g i n a l h a n d
 p r e s s t o t h i e m o d e r n j o b p r e s s " t o
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 q u i e r s t . i o i n s " (g l o s s i a i r y) ..
 71 .. C y l i n d e r P r i n t i n g P r e s s e s O l y
 H e r b e r t . L . O a l k e r
 O e i n g a s t u d y o f t h i e m e c h a n i s m
 a i n d l o p e r a t . i o i n o f f t h i e p r i n c i p a l
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 81 .. M e c h a n i c a l F e e d e r s a i n d l F o l d e r s
 O l y W i l l i a m E . S p u r r e r
 T h i e h i s t o r y a i n d l o p e r a t . i o i n o f f
 m o d e r n f e e d i n g a i n d l f o l d i n g
 m a t e r i a l s " w i t h h i n t s o n t h i e i r
 c o n s t r u c t i o n a i n d l a d j u s t m e n t s .

I l l u s t r i e r t e n d : i r r e w i e w q u e r s t . i o n i s :
(g l o s s i a r i y) .

9) . P r o w e r f i o r M a c h i i n e r y i n
P r i n t . i n g H o u s e s (D i g) C h a r l F . S i c h t .
A t t e n t i o n i n t h e i n t e r h o d s o f
p i p l i y i n g p r o w e r t o p r i n t . i n g
p r e s s e s i o n d o l l e d m a c h i i n e r y w i t h
p r i n t . i n g i n r e f f e r e n c e t o e l e c t r i c
d r i w e . S i 3 p i p l . . i l l u s t r i e r t e n d : (G 9
i r r e w i e w q u e r s t . i o n i s : (g l o s s i a r i y) .

1 0) . P r o p e r C u r t . i n g M a c h i i n e s (D i g)
M i e l G i r r i y . J i r .
A p r i n t e r o f f i n f o r m a t . i o n a b o u t
p r o p e r i o n d c o n d t r i m m e r s . h a n d -
l e w e r c u r t . t e r s . p r o w e r c u r t . t e r s . i o n d
o t h e r a u t o m a t . i c m a c h i i n e s f o r
c u r t . i n g p r o p e r . 7 1 0 p i p l . .
i l l u s t r i e r t e n d : 1 1 5 i r r e w i e w
q u e r s t . i o n i s : (g l o s s i a r i y) .

1 1) . P r i n t e r s R o l l e r s (D i g) A . . A . .
S i t e w o r t .
A p r i n t e r o f f i n f o r m a t . i o n a b o u t t h e
c o m p o s i t . i o n m a n u f a c t u r e . i o n d
c o m e o f f i n k i n g r o l l e r s . 4 1 0 p i p l . .
i l l u s t r i e r t e n d : (G 1 i r r e w i e w q u e r s t . i o n i s :
(g l o s s i a r i y) .

1 2) . P r i n t . i n g I n k s (D i g) P h i l i p
R u x t o n
T h e i r c o m p o s i t . i o n p r o p e r t . i e s i o n d
m a n u f a c t u r e (i r e p r i n t . e n d) b y
p r e m i s s i o n f r o m C i r c u l a r I n d . S i 3 .
U n i t . e n d S i t . o t e s : D u r e a u o f f
S i t . o n d i a r d s) : t o g r e t h e r w i t h s o m e
h e l p f u l s u g g e s t . i o n s a b o u t t h e
e w e r y d a y u s e o f p r i n t . i n g i n k s b y
P h i l i p R u x t o n . 1 8 1 0 p i p l . . 1 0 1 0 i r r e w i e w
q u e r s t . i o n i s : (g l o s s i a r i y) .

1 3) . H o w P r o p e r i s M a d e (D i g) W i l l i a m
D o n d W h e n e l w r i g h t .
A p r i n t e r o f f i n f o r m a t . i o n a b o u t t h e

imortieir i i o l i s i o i n i d i p i r i o c i e s s i e s i o f f
 imo i n i u f f i o c t t u i r i i n i g i p i a p i e i r f f i o i r p i r i i n i t i i n i g i
 o i n i d i u i r i i t t i i n i g i . (G18) p i p i . . i i l l u s i t i r i o r t e i d i .
 G12 i r i e w i i e w i q u i e s t i i o i n i s . . (g l o s s i s o i r i y) .
 14 . R i e l i i e f f i e i n i g i r i o w i i n i g i s i o i y J i o s e i p i h i
 P . . O i o i n i o w i a i n i
 O i r i i e f f i h i i s t o i r i y o i n i d i i n i o i n i t t e i c h i n i i c i o l
 d i e s i c i r i i p i t t i o i n i o f f i m o i d i e i r i n i i n i e t t h i o i d s i o f f
 e i n i g i r i o w i i n i g i . . w i o i o d i c i u r t . . z i i n i c p i l o r t e i .
 h i o l f f t o i n i e . . k i i n i d i o f f i c i o p i y f f i o i r
 i r i e p i r i o d i u i c t i i o i n i . . t h i i n i g i s t t o i r i e i m i e i m b i e i r
 w i h i e i n i o i r i d i e i r i i n i g i e i n i g i r i o w i i n i g i s i .
 I l l u s i t i r i o r t e i d i . . i r i e w i i e w i q u i e s t i i o i n i s . .
 (g l o s s i s o i r i y) .
 15 . . E l e c t i r i o r t i y p i i n i g i o i n i d i
 S i t i e i r i e o r t i y p i i n i g i O i y H i o i r i i s i O i . . H i o r t c h i
 o i n i d i I A . . I A . . S i t i e i u o i r t .
 I A p i r i i m i e i r o f f i i n i f f o i r i m o r t i i o i n i o i b i o u r t . t h i e
 p i r i o c i e s s i e s i o f f i e l e c t i r i o r t i y p i i n i g i o i n i d i
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P I A I R T I I H i o i n i d i o i n i d i H i o r t c h i i i n i e i C i o i m i p i o i s i i t t i i o i n i

16 . . T i y p i e s i e t t t i i n i g i O i y I A . . I A . . S i t i e i u o i r t .
 I A i h i o i n i d i b i o i o k f f i o i r i b i e i g i i n i n i e i r i s . . (g i w i i n i g i
 i i n i f f o i r i m o r t i i o i n i o i b i o u r t . . j i u s i t t i f f i y i i n i g i .
 s i p i o i c i i n i g i . . c i o i r i r i e i c t t i i n i g i . . o i n i d i o r t h i e i r
 i m o r t t t e i r i s i r i e l o r t i i n i g i t t o i t t i y p i e s i e t t t t i i n i g i .
 I l l u s i t i r i o r t e i d i . . i r i e w i i e w i q u i e s t i i o i n i s . .
 (g l o s s i s o i r i y) .

1'7' .. Pir i i n t t e i r s i P i r i o r f f s i D i g j A l .. A l ..
'S i t t e w a i r t t .

T h i e i m e r t t h i o i d s i b i g j w i h i i c h i t t h i e r j i a i r i e
i n o i d l e „ i n o i r k e n d „ i n i d i c o i r r i e n t e i d „ w i i t h i
o i b s i e r w a r t i i o i n s i o i n i p i r i o r f f i r e n d i i n i g j ..
I l l u s t i r i o r t e i d „ i r r e w i e n w i q u i e r s i t t i o i n s i „
(g j l o s s i o i r i g j) ..

1'8' .. F i i r s i t t ' S i t t e p i s i i n i J i o i b i
C h o m p i o r s i t t i o i n i D i g j C h o m i l l i e D i e W e r z i e
'S i u i g g i e r s i t t i o i n s i f f o i r t h i e o p p i r i e n t t i c i e
c o m p i o r s i t t o i r i n i s e r t t i i n i g j h i i s f i i r s i t t
j i o i b i s „ e r s i p r e n c i i o l l i g j o i b i o u r t t h i e
i i m p i o r t t o i n t I i t t t l i e t h i i n i g s i w i h i i c h i g r o
t i o i n o i r k e i g r o i d i d i i s p i l o i g j i n i
t t y p i o i g i r i o p i h i g j .. G r 3 p i p i .. „ e x x o m p i l i e r s i „ S i
i r r e w i e n w i q u i e r s i t t i o i n s i „ (g j l o s s i o i r i g j) ..

1'9' .. G i e n i e r i o l J i o i b i C h o m p i o r s i t t i o i n i
H i o w t h i e j j i o i b i c o m p i o r s i t t o i r i h i o i n i d l i e s
i b u r s i i n i e r s i s i t t o r t i o i n i e r i g j „ p i r i o i g i r i o i n s i o i n i d
i n i i s i c h e l l o i n i e o i u r s i w i o i r k .. I l l u s t i r i o r t e i d „
i r r e w i e n w i q u i e r s i t t i o i n s i „ (g j l o s s i o i r i g j) ..

2'0' .. O i o i o l k C h o m p i o r s i t t i o i n i D i g j J l .. W l ..
O i o r t t h i w i e

I l l C h o i p t t e i r s i f i r o i n i D i e W i i n i n i e s i M i o i d l e i r i n
M i e r t t h i o i d s i o r f f O i o i o l k C h o m p i o r s i t t i o i n i „
i r r e w i s e i d i o i n i d i o i r i o i n i g e i d f f o i r t h i i s
s i e r i i e s o r f f t t e x t t i b i o i o l k s i b i g j J l .. W l ..
O i o r t t h i w i e I l o r f f T h i e D i e W i i n i n i e P i r i e r s i s i
I n i e w i Y o i o r k .. P i o i r t t I I C h o m p i o r s i t t i o i n i o r f f
p i o i g i e r s i .. P i o i r t t I I I I m p i o r s i t t i o i n i o r f f
p i o i g i e r s i .. (2'2'9) p i p i .. „ i l l u s t i r i o r t e i d „ S i 2'5
i r r e w i e n w i q u i e r s i t t i o i n s i „ (g j l o s s i o i r i g j) ..

2'1' .. T i o i b u l o i r C h o m p i o r s i t t i o i n i D i g j R o i b i e r t t
'S i e n o w i e r

A l s i t t u n d i g j o r f f t h i e e l l e i n i e n t t o i r i g j f f o i r i n s i
o r f f t o i b l i e c o m p i o r s i t t i o i n i „ w i i t h i
e x x o m p i l i e r s i o r f f i n o i r i e d i i f f i i c u l t
c o m p i o r s i t t i o i n i .. 3 l G p i p i .. „ e x x o m p i l i e r s i „ 4 l S i
i r r e w i e n w i q u i e r s i t t i o i n s i ..

2:2' .. Aipipi I i i eidi Aip i t.himie t. i i cidiy IE' .. IE' ..
 'Si hie I idioini E: I i emie i n t. i oiriy i oir i t. h i m i e t. i i c:
 oipipi I i eidi t. i o p i r i o b i l i e m i s i o i f' t. h i e
 p i r i i n t. i i n i g t. i r i o i d i e „ c o l l c u l i o t. i i o i n i o i f'
 i n o r t i e r i i o l i s „ p i o p i e r' w i e i i g l i t. s i o i n i d i
 s i i z e r s „ w i i t. h i s i t. o i n i d i o r i d i t. o i b i l i e s i o i n i d i
 i r u l i e s i f' o i r' c o m i p i u r t. o r t. i i o i n i „ e o a c h i
 s i u b i j j e r t. o i m p i l i f f i i e d i w i i t. h i e x c o m p i l i e s
 o i n i d i e x h e r m i c i i s e r s .. 1'5:9) p i p i ..

2:3) .. T i y p p r e c i o s i t. i i n i g i o i n i d i C o m i p i o s i i n i g i
 I l i o a c h i i n i e r s A l .. W l .. F i i n i l i o y „ E d i i t. o i r'
 S i e r t. t. i i o i n i I T h i e I L i i n i o r t. y p p r e i d i y I L .. A l ..
 H i o i r i n i s t. i e i i n i

S i e r t. t. i i o i n i I I T h i e I l i o i n i o r t. y p p r e i d i y J i o s s e p i l i
 H i o i y s i

S i e r t. t. i i o i n i I I I T h i e I n i t. i e r t. y p p r e i d i y H i e n i r y y
 W l .. C o r z z e r n i s i

S i e r t. t. i i o i n i I W I o t. h i e r' T i y p p r e c i o s i t. i i n i g i o i n i d i
 T i y p p r e s i e r t. t. i i n i g i I l i o a c h i i n i e r s i d i y I F i r m i n i k I H l ..
 S i m i i t. h i

A l i b i r i i e i f' h i i s i t. o i r y y o i f' t. y p p r e s i e r t. t. i i n i g i
 i n i o a c h i i n i e r s „ w i i t. h i d i e s c i r i i p r t. i i o i n i s i o i f'
 t. h i e i r' i n i e r c h i o i n i i c o l l p i r i i n i c i p l i e s i o i n i d i
 o i p p r e r o r t. i i o i n i s i .. I I I u r s i t. i r i o r t. e i d i „

i r i e w i i e u i q u i e r s i t. i i o i n i s i „ g l i o s i s i o i r y y ..

I P' A I R' T'

I I I I I m i p i o r s i i t. i i o i n i o i n i d i
 'S i t. o i n i e i w i o i r' k

2:4) .. I L o i c k i i n i g i F i o r m i s i f' o i r' t. h i e J i o i b i
 P i r i e s i s i d i y I F i r m i n i k 'S i .. H i e n i r y y T h i i i n i g i s i
 t. h i e o i p i p i r i e n t. i i c i e s i h i o u I d i k i n o w i o i b i o u r t.
 I o i c k i i n i g i i u p i s i m i o l l f' o i r m i s i „ o i n i d i o i b i o u r t.

(g) 1 i o s s i a i r i y j ..
 I l l u s t r i a t e n d .. i r r e w i e w q u i e s s t . i i o i n i s ..
 (g) 1 o s s i a i r i y j ..
 2:5 .. P i r e p h a i r i i n i g j F l o u r m i s f l o u r t . h i e
 C i y j i i n d i e r P i r e s s i O i y j F i r i o n i k S i .. H i e n i r i y j
 P i o m p i h i l e t t . o i n i d i c a r t . o i l o i g j i i m p r o s s i t . i i o i n i ..
 i n o i r i g j i i n i s .. f f o l l d i m o i r i k s i .. e t i c .. M i e t t . h i o d i s
 o f f h i o n i d i l i i n i g j t . y i p p i e f l o u r m i s o i n i d i
 e l l e c t i r i o t t . y i p p i e f l o u r m i s .. I l l u s t r i a t e n d ..
 i r r e w i e w q u i e s s t . i i o i n i s .. (g) 1 o s s i a i r i y j ..

P'AI'R' T' II 'W' P'IR' (E'S)S'W' (O)IR'K

2:6 .. M i o i k i i n i g j R i e o d i y j o i n i P' l o r t . e i n
 P i r e s s i s e i s i O i y j T' .. G i .. M i c i G i r r e w i T'
 h i e e s s i s e i n i t . i i o i l p i o i r t . s i o f f o i p i r e s s i o i n i d i
 t . h i e i i r f f i u n i c t . i i o i n i s .. i d i s i t . i i n i c t . i w i e
 f f i e o r t . u i r i e s i o f f c o m m i o i n i l y j u i s e i d i
 i n o i c h i i n i e s i .. P i r e p h a i r i i n i g j t . h i e t . y i m p i o i n i ..
 i r r e g j u i l o r t . i i n i g j t . h i e i i m p i r e s s i i o i n i ..
 u i n i d i e r l o i y j i i n i g j o i n i d i o r w e i r l o i y j i i n i g j ..
 s i e r t . t . i i n i g j g j o u g j e i s i .. o i n i d i o r t . h i e r i d i e t . o i l i s
 e x x p i l o i i n i e i d i .. I l l u s t r i a t e n d .. i r r e w i e w
 q u i e s s t . i i o i n i s .. (g) 1 o s s i a i r i y j ..
 2:7 .. C i y j i i n d i e r P i r e s s i s i u o i r i k O i y j T' .. G i ..
 M i c i G i r r e w i
 P i r e p h a i r i i n i g j t . h i e p i r e s s i .. o i d j j u i s s t . i m i e i n i t .
 o f f b i e d i o i n i d i c i y j i i n d i e r .. f f o u r m i
 i r o i l l e i r s i .. i n i k f f o u n i t . o i i n i .. g j r i i p i p i e i r s i
 o i n i d i d i e l i w i e r i y j s i y j s t . e i m i s .. U i n i d i e r l o i y j i i n i g j
 o i n i d i o r w e i r l o i y j i i n i g j .. i n o i d i e r i n i o r w e i r l o i y j
 i n e t t . h i o d i s i .. I l l u s t r i a t e n d .. i r r e w i e w
 q u i e s s t . i i o i n i s .. (g) 1 o s s i a i r i y j ..
 2:8 .. P i r e s s i s i r i o i o i m i H i i n i t . s i o i n i d i H i e l i p i s i O i y j
 C i h i o r l i e s i L .. O i u n i t . o i n i
 O i e s i c i r i i b i i n i g j s i o i m i e p i r i o i c t . i i o i l i n e t t . h i o d i s i

IP'AI'R:T' W II C:ioi'f'f'ie:et.

IL ii t't:ie'f'f'ioi'f'f'iy

C:ioimipioi'si ii t't. ii ioi'ni

3'2' .. Wioi'ridi 'S:t'uudiy ioi'ni E:ni'g I i'sih
Gir'ioimioi' IDiy IF' .. W .. Hioim i I't:oi'ni
AI pir' i'mieir' i'off' i'ni'f'f'ioi'mioi't. ii ioi'ni i'abioi'ut.
Wioi'ridi'si .. t't:hie' i'ir' i'rie I'art. ii ioi'ni'si .. ioi'ni t't:hie' i'ir'
i'ursie'si .. G'18 p'ip' .. " 18'4 i'rie'w i'ie'w
i'quie'st. ii ioi'ni'si .. g'1 io's:sioi'f'f'iy ..

3'3' .. P'iu'nic:t'ioi'ut. ii ioi'ni IDiy IF' .. W .. Hioim i I't:oi'ni
AI pir' i'mieir' i'off' i'ni'f'f'ioi'mioi't. ii ioi'ni i'abioi'ut. t't:hie'
i'mioi'k'si i'off' p'iu'nic:t'ioi'ut. ii ioi'ni ioi'ni t't:hie' i'ir'
i'ursie' .. i'bio't'h' g'ir'ioimioi't. ii ioi'ni I'iy ioi'ni
t't'iy'p'io'g'ir'ioi'p'hi i'ioi'ni I'iy .. '5'6 p'ip' .. " '5'9
i'rie'w i'ie'w i'quie'st. ii ioi'ni'si .. g'1 io's:sioi'f'f'iy ..

3'4' .. C:ioi'p' i't:oi' I'si IDiy IF' .. W .. Hioim i I't:oi'ni
AI pir' i'mieir' i'off' i'ni'f'f'ioi'mioi't. ii ioi'ni i'abioi'ut.
i'ioi'p' i't:oi' I' i'zoi't. ii ioi'ni .. W i't'h' i'sioimie'
p'ioi'ic:t. ii ioi'ni t't'iy'p'io'g'ir'ioi'p'hi i'ic' i'hi i'it't's i'os' t't:oi'
t't:hie' i'ursie' i'off' i'ioi'p' i't:oi' I'si .. '4'18 p'ip' .. " '9'2
i'rie'w i'ie'w i'quie'st. ii ioi'ni'si .. g'1 io's:sioi'f'f'iy ..

3'5' .. I'oi'w i'si i'ioi'ni i'off' Wioi'ridi'si IDiy IF' .. W ..
Hioim i I't:oi'ni
I'ioi' I'ie'si 'f'f'ioi' t't:hie' i'oi'w i'si i'ioi'ni i'off' Wioi'ridi'si
i'art. t't:hie' i'ioi'ridi'si i'off' I' i'ioi'ie'si .. W i't'h' i'rie'
i'mioi'k'si i'ioi'ni i'sp'ie I' i'ioi'ni'g' ..
i'siy I' i'ab' i'ioi'art. ii ioi'ni ioi'ni p'ioi'ioi'ioi'ic: i'art. ii ioi'ni ..
'4'2' p'ip' .. " '7'10 i'rie'w i'ie'w i'quie'st. ii ioi'ni'si ..

3'6' .. C:ioimipioi'ioi'ni Wioi'ridi'si IDiy IF' .. W ..
Hioim i I't:oi'ni
AI i'st'uudiy i'off' t't:hie' p'ir' i'ioi'ic: i'p' I'ie'si i'off'
i'ioimipioi'ioi'ni i'ioi'ni'g' .. t't:hie' i'ioimipioi'ioi'ie'ioi't'si i'off'
i'ioimipioi'ioi'ni'si .. ioi'ni t't:hie' i'ursie' i'off' t't:hie'
i'hi'yp'hi'ie'ni .. '3'4' p'ip' .. " '6'2' i'rie'w i'ie'w
i'quie'st. ii ioi'ni'si ..

3'7' .. I'Ab'ioi'ie'w i'art. ii ioi'ni'si ioi'ni 'S' i'g'ioi'ni IDiy IF' ..

441 .. Hhaim i l t t o i n i

4A) p i r i i m i e i r i o f f i i n f f o i r m i a r t i i o i n i a i b i o u r t a i b i b i r i e w i i o r t i i o i n i s i a i n i d i s i i g i n i s i „ w i i t t h i c l o s i s i i f f i e i d i l i s i t t i s i o f f t t h i o s i e i i n i m i o s i t c i o i m i n i o i n i u r s i e i „ 518) p i p i „ „ 312) i r i e w i i e i w i q u i e r s i t i i o i n i s i „

318) .. T h i e i U l s i e r s i o f f I t t o l l i c i O l y i F .. 441 .. Hhaim i l t t o i n i

4A) p i r i i m i e i r i o f f i i n f f o i r m i a r t i i o i n i a i b i o u r t t h i e i h i i s i t t o i r i y i a i n i d i u r s i e r s i o f f i i t t o l l i c i l i e t t t i e r s i „ 311) p i p i „ „ 317) i r i e w i i e i w i q u i e r s i t i i o i n i s i „

319) .. P i r i o i o f f i r i e a i d i i i n i g i O l y i A l i r i n i o l i d i l i e w i t t o i s i

T h i e i t t e i c h i n i i c i o l p l i h o s i e r s i o f f t h i e i p i r i o i o f f i r i e a i d i e i r i s i w i o i r k „ i r i e a i d i i i n i g i „ i n i o i r k i i n i g i „ i r i e w i i s i i n i g i „ i e t i c i „ „ i n i e t t h i o i d i s i o f f i h i o i n i d i l i i n i g i p i r i o i o f f i s i a i n i d i c i o p i y i „ I l l u r s i t t i m a r t i e i d i l b i y i e x x o i m p i l i e r s i „ 519) p i p i „ „ 619) i r i e w i i e i w i q u i e r s i t i i o i n i s i „ g l o s i s i o i r i y i „

410) .. P i r i e p i a i r i a r t i i o i n i o f f P i r i i n t i e r s i C i o p i y i O l y i F .. 441 .. Hhaim i l t t o i n i

S i u n g i g i e r s i t i i o i n i s i f f o i r i o u r t h i o i r s i „ e i d i t t o i r s i „ a i n i d i a l l i w i h i o i o i r i e i e i n i g i a i g i e i d i i n i p i r i e p i a i r i i n i g i c i o p i y i f f o i r t h i e i c i o i m p i o r s i i n i g i i r i o i o i m i „ 316) p i p i „ „ 617) i r i e w i i e i w i q u i e r s i t i i o i n i s i „

411) .. P i r i i n t i e r s i H h o i n i u o l i o f f 517) i l i e

4A) i r i e f f i e i r i e i n i c i e c i o i m p i i l o r t i i o i n i o f f a i p i p i r i o r w i e i d i i r i u l i e r s i „ u r s i a i g i e r s i „ a i n i d i s i u n g i g i e r s i t i i o i n i s i i r i e l o r t i i n i g i t t o i u n i i f f o i r i m i t t i y i i n i p i u i n i c t u o r t i i o i n i „ c i o p i i t t o l l i z i o r t i i o i n i „ a i b i b i r i e w i i o r t i i o i n i s i „ i n i u i m i e r i o l i s i „ a i n i d i l k i i n i d i r i e i d i f f i e o r t u i r i e r s i o f f c i o i m p i o r s i i t t i i o i n i „

412) .. T h i e i P i r i i n t i e r s i O l i c t t i i o i n i o i r i y i O l y i A l i .. 441 .. S i t t e w i o r t t

4A) i h i o i n i d i b i o i o l k o f f i d i e f f i i n i t t i i o i n i s i a i n i d i m i i s i c i e l l o i n i e o i u r s i i i n f f o i r m i a r t i i o i n i a i b i o u r t w i o i r i i o i u r s i p i r i o i c i e r s i e r s i o f f p i r i i n t t i i n i g i „

Pir i i n t . i i n i g i D i g i H a i r i r i g i L . . . G i a i g i e
U s i e i o f f i c i a l o i r . . f f o i r i d i e c i o i r i o r t . i i o i n i o f f
b i l l i c k i o n i d w i h i i t i e . . f f o i r i b i r i o i d p r o s t i e r
e f f i e n t . . i n i c o m b i i n i o r t . i i o i n i s o f f t i w i o . .
t h i r i e i e . . o i r i m o i r i e p i r i i n t . i i n i g i s w i t t h i
p i r i o c i e s i s i e i n i g i r i o w i i n i g i s . . S i c i i e i n t . i f f i c
i n o r t i u r i e o f f i c i a l o i r . . p i h i y s i i c i a l i o n i d
c h i e m i i c i a l . . T h e r i n i s i n i w i h i i c h i c i a l o i r
i n o i g i b i e i d i s i c u r s i e n d . . h i u i e . . w i a l i u i e . .
i i n t i e n i s i t i y . . D i i o i g i r i o i n i s i n i c i a l o i r . .
s i c i a l i e s i o n i d c o m b i i n i o r t . i i o i n i s . . C i a l o i r
t h i e o i r i g i o f f p i r i o c i e s i s i e i n i g i r i o w i i n i g i .
E x p i e r i i m i e n t i s i w i t t h i c i a l o i r . .
I l l u s t i r i o r t . i i o i n i s i n i f f i u l l c i a l o i r . . i o n i d
o i n i w o i r i i o i n i s p r o p i e r i s . . R i e w i e w
q u i e r s t . i i o i n i s . . g i l o s s i o i r i g i . .
b i i b i l i o i g i r i o p i h i y . .

416 . . L e t t . t e i r i i n i g i i n T i y p i o i g i r i o p i h i y D i g i
H a i r i r i g i L . . G i a i g i e
P i r i i n t i e r i s i u s i e o f f L e t t . t e i r i i n i g i . .
i o d i o p t i a l b i l i t i y i o n i d d i e c i o i r i o r t . i w i e
e f f i e n t . . D i e w i l o i p i m i e n t o f f h i i s t i o r i i c
w i r i t . i i n i g i i o n i d L e t t . t e i r i i n i g i i o n i d i t s
i i n f l u e n c i e i o n i t i y p i e d i e s i i g i n i . .
C i l o s s i i f f i c i o r t . i i o i n i o f f g i e n i e r i a l f f o i r i n i s
i n i L e t t . t e i r i i n i g i . . A l p i p i l i c i o r t . i i o i n i o f f
d i e s i i g i n i t i o L e t t . t e i r i i n i g i . . D i r i o w i i n i g i f f o i r
i r e p i r i o d i u i c t . i i o i n i . . F i u l l i y i l l u s t i r i o r t i e n d . .
i r e w i e w q u i e r s t . i i o i n i s . . g i l o s s i o i r i g i . .
b i i b i l i o i g i r i o p i h i y . .

417 . . T i y p i o i g i r i o p i h i i c D i e s i i g i n i i n
A l d w i e r t . i s i i n i g i D i g i H a i r i r i g i L . . G i a i g i e
T h i e p i r i i n t i e r i s i f f u n i c t . i i o i n i i n
i o d w i e r t . i s i i n i g i . . P i r i e c i e p t . i s i u p i o i n w i h i i c h i
i o d w i e r t . i s i i n i g i i s i b i o s i e n d . . P i r i i n t i e r i s
i o n i a l i y s i i s o f f h i i s c o p i y . . E i m p l i a s i i s . .
L e i g i b i l i t i y . . o r t . t e i n t . i i o i n i . . c i a l o i r . .
I l l e t t h i o i d o f f s i t . u n d i y i i n i g i i o d w i e r t . i s i i n i g i
t i y p i o i g i r i o p i h i y . . I l l u s t i r i o r t . i i o i n i s . . i r e w i e w
q u i e r s t . i i o i n i s . . g i l o s s i o i r i g i . .

lb ii lb l ii oigirioipihijy ..

418 .. Ihalk ii inigj Oiumimi i iers: ioinid l oigjoiurt:s

Oijy Ihairiyj l .. Gaijie

lA l oigjoiurt: .. t.hie: iairicli i t.eic'tuiriol p l ioini ..

lA dliumimiy: .. t.hie: iimi i t.iort. ii ioini ioff' o

prioiptioisicid' f' i ioini l ieff'ficic't .. Uisic: ioff'

dliumimiy i in: (sial iers: iairic'k .. Uisic: ioff'

l oigjoiurt .. Fiuicic't. ii ioini ioff' l oigjoiurt. i ioini ..

lb ii ioidi i inigj: sic'hieimiers: f' ioin' dliumimi i iers: ..

Oiumimiy i ioinwiel oipiers: .. l l l iusit'iricic't. ii ioinis: "

i ierw i ierw iquiers: t. ii ioinis: " (g l iors: iairiyj "

lb ii lb l ii oigirioipihijy ..

IP'AIIR' T' 'W' II II II lH ii (s: t. (o) i r' yj

(o) ff' IP' i r' ii in: t. ii in: gj

419 .. Oioioalk: s: Oier'f' ioinic: Tiyjpioigirioipihijy Oijy lF ..

lW .. Ihaimi i l t. ioini

lA p i r' i i m i e r' i o f f' i i n f f' i o i r' i m i a r' t. ii ioini i o l b i o u r' t. t. h i e:

i i n w i e n i t' t. ii ioini i o f f' t. h i e: i o l p i h i o l b i e r' t. i o i n i d' t. h i e:

l h i i s i t' i o i r' y j i o f f' l b i o i o l k i m i o l k i i n i g j i u p i t' i o i t' h i e:

i i n w i e n i t' t. ii ioini i o f f' i m i o r' w i o l b i l e t' i y j p i e r' s: .. G'2:

p i p i .. " i l l i u s i t' i r' i o i t' e n d' " (G'4) i i e r' w i i e r' w

i q u i e r' s: t. ii ioinis: ..

'S'10 .. T' h i e: l i n w i e n i t' t. ii ioini i o f f' T i y j p i o i g i r' i o p i h i j y

Oijy lF .. lW .. Ihaimi i l t. ioini

lA l b i r' i i e f f' s i k i e t' c l i i o f f' t. h i e: i i n w i e n i t' t. ii ioini

i o f f' p i r' i i n i t' t. ii inigj i o i n i d' l h i o w i i t' i c i o m i e:

i o l b i o u r' t. .. (G'4) p i p i .. " (G'2) i i e r' w i i e r' w

i q u i e r' s: t. ii ioinis: ..

'S'11 .. l h i i s i t' i o i r' y j i o f f' l p i r' i i n i t' t. ii inigj l p i o i r' t. l Oijy

lF .. lW .. Ihaimi i l t. ioini

lA p i r' i i m i e r' i o f f' i i n f f' i o i r' i m i a r' t. ii ioini i o l b i o u r' t. t. h i e:

l b i e g j i i n i n i i n i g j s: i o f f' p i r' i i n i t' t. ii inigj " t. h i e:

l d i e w i e l o i p i m i e n i t' i o f f' t. h i e: l b i o i o l k " t. h i e:

die waeleloppimeenit. off pir iintleers
inortleer i i i s. „ onid tliee woeik off tliee
grieort. p i i nneers. (63) pip. „ 55 riew i ew
quers t. i i n n s .

52. Hi i s t. o r y off P i r i n t. i i n g P a r t. I I O l y
F. . W. . H a m i i t. o n

A l b i e f f s i k e t. i c h i off tliee e c o n o m i c
e c o n o m i t. i i n n s off tliee p i r i n t. i i n g
i i n d u s t r y f r o m 1450 t. o 1789. „
i i n c l u d i n g g r o w e r n m e n t. r e g u l a t. i i n n s ,
e n e r g y s i n i p . „ i n t. e r n a l e c o n o m i t. i i n n s
o n d i i n d u s t r i i i r e l a t. i i n n s . (94) pip. „
128 riew i ew q u e r s t. i i n n s .

53. P i r i n t. i i n g i n E n g l a n d O l y F. . W. .
H a m i i t. o n

A l s i h a r t. i i s t. o r y off p i r i n t. i i n g i n
E n g l a n d f r o m C o n s t a n t i n t. o tliee
p r e s e n t. t. i m e . (89) pip. „ (65) riew i ew
q u e r s t. i i n n s .

54. P i r i n t. i i n g i n A m e r i c a O l y F. . W. .
H a m i i t. o n

A l b i e f f s i k e t. i c h i off tliee d i e w e l o p p m e n t.
off tliee i n e u r o p p e r . „ o n d i s o m m e i n o r t. e s
o n p r o b l i s i h e e r s w i t h i o h a r w e e s p r e c i i i l y
e c o n o m i t. i i b u r t. e n d t. o p i r i n t. i i n g . (98) pip. „
84 riew i ew q u e r s t. i i n n s .

55. T y p e o n d P r e s s e s i n A m e r i c a
O l y F. . W. . H a m i i t. o n

A l b i e f f i i s t. o r i i c a l s i k e t. i c h i off tliee
d i e w e l o p p m e n t. off t. y p e c a r s t. i i n g o n d
p r e s s i b u i i l d i n g i n tliee U n i t. e d
S t. a t. e s . (52) pip. „ (61) riew i ew
q u e r s t. i i n n s .

IP'AIIR'T' II X: Ciorsitt.

IF ii inid i inigj iainid

Alc:ic:oiuini'tt. ii inigj

'5i6.. E:leimeinitts ioff Ciorsitt. iin Pir i initt.ii inigj
Dijj Hleinirij IP.. P'oir'tteir

T'hie 'S:tainidaiuid Ciorsitt.-IF ii inid i inigj F'oirimis
ainid t'hie iir iursers.. Wihart. t'hieij sihuouid
sihuou.. Hlou t'oi iurt.ii I i:ze t'hie
i in f'oirimart.ii oin t'hieij g i wie.. R'iew i ieu
quiers:tt.ii oins:.. G i i o s s a i r i j ..

'5i7.. U:se ioff i Ciorsitt. 'Sij:sitt'eim Dijj Hleinirij
IP.. P'oir'tteir

T'hie 'S:tainidaiuid Ciorsitt.-IF ii inid i inigj F'oirimis
ainid t'hie iir iursers.. Wihart. t'hieij sihuouid
sihuou.. Hlou t'oi iurt.ii I i:ze t'hie
i in f'oirimart.ii oin t'hieij g i wie.. R'iew i ieu
quiers:tt.ii oins:.. G i i o s s a i r i j ..

'5i8.. T'hie Pir i initt'eir ias i M'ieic:hioint. Dijj
Hleinirij IP.. P'oir'tteir

T'hie 's:ellert.ii oin ainid p'uic:hio:se ioff
imart'eir i o i s: ainid 'suippl i iers: f'oir
pir i initt.ii inigj.. T'hie i r e l l a r t . i i o i n i o f f t ' h i e
c i o r s i t t . o f f i r o u i m a r t ' e i r i o l a i n i d t ' h i e
s e l l i i n i g j p i r i c h e o f f t ' h i e f f i n i i s i h e i d
p i r o i d i u c t . . R ' e w i e u q u i e r s : t t . i i o i n s : .
G i i o s s a i r i j ..

'5i9.. F'uindaiimeinitt.oi Pir i initt.ii p i l e r s : o f f
E:s:tt.ii mart.ii inigj Dijj Hleinirij IP.. P'oir'tteir

T'hie i e s t t . i i m a r t . o i r a i n i d h i i s : w o r k . . f ' o i r i m s :
t'oi iurs:.. g i e n e i r o l i r i u l e r s : f ' o i r
e s t t . i i m a r t . i i n i g j . . R ' e w i e u q u i e r s : t t . i i o i n s : .
G i i o s s a i r i j ..

G i o . . E : s t t . i i m a r t . i i n i g j a i n i d ' S i e l l i i n i g j D i j j
Hleinirij IP.. P'oir'tteir

Ain i i n s : i g i h t . i i n t t o t ' h i e i m e t t h o i d s : i u s e i d
i i n i m o l k i i n i g j e s t t . i i m a r t . e r s : . . a i n i d t ' h i e i i r

irrelelvant.ii oini tlo srel l i inig .. Rlewi i lew
 quiesst.ii oinis .. Gl l ois:soirij ..
 Gl .. Alid:oiuitt.ii inig f'oir Pir i in:leirs Oij
 Hleinirij P' .. P'oir:leir
 Al bir i ierf iouit. l i inie ioff oini iad:oiuitt.ii inig
 sig:stieim f'oir pir i in:leirs .. in:leirs:soirij
 biuolk:s ioinid iad:leirs:soirij in:leir:oiid:s ..
 Rlewi i lew quiesst.ii oinis .. Gl l ois:soirij ..

IP'AIIR:T'

(X) Pl i i s:le l l l ioin:leioiuis

Gl:2) .. Hleal l t:li .. S:oini i t:art.ii oini .. ioinid
 S:iofient:ij Oij Hleinirij P' .. P'oir:leir
 Hlij:ij i ienle i in t:lie pir i in:t.ii inig t:ir:oiid:le .. i
 st:u:u:ij ioff ioinid i t:ii oinis i l l d ioinid in:ew ..
 pir:oi:t.ii i oal s:uig:ijers:t.ii oinis f'oir
 i iupir:oi:weim:iein:t .. pir:oi:t:leir:t.ii wie
 oip:il i ioin:leirs ioinid in:u:leirs f'oir s:iofient:ij ..
 Gl:3) .. T:oi:p i i oal I in:le:x:O ij F' .. l l ..
 H:oiim i l t:oin
 Al biuolk ioff in:eff:ieir:iein:le i o:weir i inig t:lie
 t:oi:p i i c:s t:ir:oi:t:leid i in t:lie T:ij:p:oi:g:ir:oi:p:il i i c:
 T:ie:ch:in i i oal S:ieir i i e:s .. i l l p:il:oi:biert.ii i oal l ij
 ioin:ioin:ig:ieid ..
 Gl:4) .. O:oiuirs:leirs ioff S:t:u:u:ij Oij F' .. l l ..
 H:oiim i l t:oin
 Al ijui i i d:le:biuolk f'oir t:le:oi:ch:ieir:s .. w i i t:li
 iouit. l i in:leirs ioinid s:uig:ijers:t.ii oinis f'oir
 i l l ois:sir:oi:oiim ioinid s:ih:oi:p w:oi:rk ..

IAIC:K:INIOIWL:IE:IOIGIMHE:INT

Tih i s: s i e h r i e s i o f f T i g p r o i g p r o p i h i i c: T i e x t: -
b r o o k s i s t h i e i n v e s i u l t o f f t h i e
s i p l e i n d i i d i c h o r - o p p e a r t. i i o i n i o f f o i l o i n g i e
i n u i m b i e r o f f f i i r i m s i o n d i i n d i w i i d i u a l s
e i n i g i o i g r e n d i i n i t h i e p i r i i n t. i i n i g i b r u s i i n i e s s i
o n d i i t s: o i l l i e n d i i n i d i u s t i r i e s i i n i t h i e
U i n i i t. e n d i S i t. i a r t. i e s o f f A l m e i r i i c i a: .

T h i e I C h o m i m i t. t. e r e i o n i E d l u n c i a r t. i i o i n i o f f t h i e
U i n i i t. e n d i T i g p r o i t. h i e r t. o i e o f f A l m e i r i i c i a: ,
i n i d i e r w i h o s i e o u s i p i i c i e s t h i e b r o o k s
h i o w i e b i e e n i p i r i e p r o i e n d i o n d i p r u i b l i i s i h e n d i ,
o i c k i n o i w l e i d i g i e s i t s: i i n i d i e b r t. e n d i n i e s s i f f o i r
t h i e g r e i n e i r o u s i o s s i s i t. a i n i c i e i n e i n d i e r n e n d
b i g t h i e i n i o i n i g i o u r t. h i o i r s: , p i r i i n t. e i r s: ,
o n d i o r t. h i e i r s: i i d i e n t. i f f i e n d i w i i t. h i t h i i s:
w i o i r k .

W i h i i l i e i d i u e o i c k i n o i w l e i d i g i m e n t. i s i i n i d i e
o i n i t h i e t. i i t. l i e o n d i c r o p p y i r i i g l i r t. p r o i g i e s:
o f f t h i o s i e c h o i n t. i r i i b u r t. i i n i g i t. o i e o i c k i
b r o o k , t h i e I C h o m i m i t. t. e r e i n i e w e i r t. h i e l e s s:
f i e l t. t h i a r t. o i g r i o u p l i i s i t. o f f c h o r -
o p p e a r t. i i n i g i f f i i r i m s: w i o u l d i b i e o f f
i i n t. e i r n e s t. .

T h i e f f o i l l o i w i i n i g i l i i s t. i s i i n o r t.
c h o i m p l i e t. i e , o i s i i t. i i n i c l u i d i e s: o i n l i g
t h i o s i e w i h o i h i o w i e c h o r - o p p e a r t. e n d i i n i t h i e

þinnorðlucart.ii önni orff ía þrörrtt.ii önni orff t.thie
wio l lunnies; „ cönnis:tt.ii t.turt.ii inig t.thie ff i rrsitt.
þir i inrt.ii inig; „ Als: sönönni öis: t.thie eint.ii rre
l i i srt. orff l bönölk:s; cönnipir i i s; inig t.thie
Tigypöigiröipih i i c: Tienchinn i i cö l Sien i i iers: ihöis:
brenninn cönnip l iert.iedl ((wih i i cih t.thie
Cönnim i i t.thie: ihöppers: w i i l l brenn: orff. önn
eöör l i y d i ört.ie)) „ t.thie ff i u l l l i i srt. w i i l l
brenn: þir i inrt.iedl i in eöör:ih wio l lunnies; ..
T.thie Cönnim i i t.thie: ö l l s i ö d i iers: i i rers: t.ö
öör:öör:öör:öör:öör: i i t:s; i in d i e l b r t.iedl i n i iers: t.ö
t.thie inöör:ig; s i u l b i s i c i r i i brenn:s; t.ö t.thie i i s:
Sien i i iers: wih i ö ihöör:ie þrörrtt.ii eint.ii y önnö i i t.iedl
i i t:s; þrörrtt.ii öör:öör:öör:öör:öör: ..
Cönnim i i t.thie: önn l Eöör:öör:öör:öör:öör: ..
Önn i i t.iedl Tigypörrtt.ihie:t.öör: orff Al i i ien i i cö l ..
H i e n n i r i y l P .. l Pörrtt.ier .. l Cih i ö i i r i i ö önn ..
l E .. l L i ö w i r r e i n i c i e l F i e l l ..
l A l .. l M l .. l G l ö s s i b i r r e i n i n i e r ..
l J l .. l C l i y d i e l Ö s i u ö l l d l ..
T i ö l b i y l R i u l b ö r w i i t:s; ..

l F i r r e d i e r i i c l k l w l .. l H ö ö m i i l t.önn .. l Eöör:öör:öör:öör:öör: ..
l Ö i i i r r e c t.öör: ..

CHIONTIR: II IDIUTTOR(S)

Fiorr Chionpriositt, i ioini iainid. E: I iectirpottijpries.
I sioaic: IH.. IDI iainichiaid Chionprianij, " Iniew
Y'oirik, " IH.. 'Y'..
'S).. IH.. IDiuribianik &: Chio.. "
PIhi i iaidie i pih i i a, " P'ia..
JI.. 'S).. Chursih i inig &: Chio.. " Iniorwioaid "
Mia: s: s..
T'hie: Die'W i inie: P'ries: s: " Iniew Y'oirik, " IH..
'Y'..
R).. R).. IDiominie i i i eij &: 'Sioais: Chio.. "
CIhi i i aigio, " I I I..
Gieio: IH.. E: I I i i s: Chio.. " IDiost: i oini, " Mia: s: s..
E'wainis: -Iw i i ntear: -Hieibib, " Die'tirpott, " MI i i c: h..
F'riainik I i in: P'ir i i nte, i inig Chionprianij, "
PIhi i i aidie i pih i i a, " P'ia..
Giagie: P'ir i i nte, i inig Chio.. " L't: id.. " IDiott: t: i e:
C'rieeik, " MI i i c: h..
F).. IH.. Gi i i sioini Chionprianij, " IDiost: i oini, "
Mia: s: s..
'S'teip'hiene: G'rieeine: &: Chio.. "
PIhi i i aidie i pih i i a, " P'ia..
Iw i I I i i oini G'rieeine, " Iniew Y'oirik, " IH.. 'Y'..
Iw.. IF.. Hia I I P'ir i i nte, i inig Chio.. " CIhi i i aigio, "
I I I..
F'riainik ID.. J'iaic: oib: s: Chio.. "
PIhi i i aidie i pih i i a, " P'ia..

Wii I sioini HI .. Lienei Cio .. " Nlewi Hlowein "
Cioinini ..
JI .. DI .. Li pipi inicortt. Cio .. "
Pihii Iaidie Ipihiia .. Piai ..
Miaie Cio I Iia & Cio .. Inic .. "
Pihii Iaidie Ipihiia .. Piai ..
Thie Pictt.iesoin Piriesis .. Nlewi 'Yoirk ..
Thie P I i i m p t i o i n Piriesis .. Nlewiwoid ..
Miaisis ..
Pioalie Dirsos .. " Cihii cagio .. I I I ..
Reini inigtioini Pir i i n t . i i n i g Cio .. "
Piraw i dieinice .. R .. I ..
Eidwoid (Siteini & Cio .. " Pihii Iaidie Ipihiia ..
Piai ..
Thie Siteinie Pir i i n t . i i n i g & M f f i g .. Cio .. "
Roiainiokie .. Wia ..
Siteie Jioirnia I Cioimipainiy .. Li inic I i n i ..
Nlebi ..
Thie Uini weirs i t y Piriesis .. Cioimbur idigie ..
Miaisis ..

Fior Cioimprosi i t . i i o i n i
Dioisioini T i y p i o t . h i e t i o i e S i c h i o i I o i f f
Pir i i n t . i i n i g .. Dioisioini .. Miaisis ..
Wii I I i i o i n i F .. Fie I I Cio .. "
Pihii Iaidie Ipihiia .. Piai ..
Thie Koi I k h o i f f Cioimipainiy .. Nlewi 'Yoirk ..
NI .. 'Y' ..
O x f f o i r d - P i r i i n t . .. Dioisioini .. Miaisis ..
Tioibiy R i u b i o w i t . s .. Cihii cagio .. I I I ..

E l e c t r o t . y p i e r s
D i o i m i g r e i n i D i r o t . h i e r s Cio .. " Cihii cagio ..
I I I ..
F l o w e i r S i t e i e I E l e c t r o t . y p i i n i g Cio .. "
Nlewi 'Yoirk .. NI .. 'Y' ..
C .. JI .. P i e t i e r s & S i o i n i Cio .. " Dioisioini ..
Miaisis ..
Roiyia I E l e c t r o t . y p i e Cio .. "

P'h i i l i a d i e l p i h i i a „ P' a ..
H i .. C i .. W i h i i t t i c i o m i b i & C i o .. „ O i o s i t t i o i n „
M i a s s i ..

F i o i r E i n i g i r i o w i i n i g s i
A m i e r i i c a i n T i y p i e F i o i n i d i e r s C i o .. „
O i o s i t t i o i n „ M i a s s i ..
C i .. O i .. C i o t t i r i e l l & S i o i n i s C i o .. „
W i e s t i e r l y „ R i .. I ..
G i o l d i i n i g M i o i n u f f i c i t u i r i i n i g C i o .. „
F i r i o n i k l i i n „ M i a s s i ..
H i o r w i o r d l U i n i w i e r s i t t y „ C i o m i b i r i d i g i e „
M i a s s i ..
I n i l a i n d l P i r i i n t i e r C i o .. „ C i h i i c i o i g i o „ I l l ..
L a i n s i t i o i n M i o i n o r t y p i e M i o i c h i i n i e C i o m i p i o i n y „
P' h i i l i a d i e l p i h i i a „ P' a ..
M i e r i g i e n t l i a l e i r L i i n o r t y p i e C i o m i p i o i n y „
M i e w W i o r k „ M i .. W ..
G i e o .. H i .. M i o r i r i l l C i o .. „ M i o r w i o r d l „
M i a s s i ..
O i s w i a l d l P u l b l i s i h i i n i g C i o .. „ M i e w W i o r k „
M i .. W ..
T h i e P i r i i n t i i n i g A i r t t „ C i o m i b i r i d i g i e „
M i a s s i ..
O i .. O i .. R i s i i n i g P a i p i e r C i o m i p i o i n y „
H i o u s a t t i o i n i c „ M i a s s i ..
T h i e W a i n i d i e r c i o o l k P i r i e s s i „ C i h i i c i o i g i o „
I l l ..

F i o i r O i o o l k P a i p i e r
A m i e r i i c a i n W i r i t t i i n i g P a i p i e r C i o .. „
H i o l y o l k e „ M i a s s i ..
O i r y a i n t t P a i p i e r C i o .. „ K i o l a i m i o z i o i o „
M i i c h i ..
T h i e M i i o i i P a i p i e r C i o .. „ W i e s t
C i o r i o l l t i o i n „ O i h i i o ..
O x f i o r d l P a i p i e r C i o m i p i o i n y „ M i e w W i o r k „
M i .. W ..
W i e s t W i r i g i i n i i a P u l p i & P a i p i e r C i o .. „

Colophon

Ce livre est un specimen des fontes générées avec l'outil NikLaPolice, toutes basées sur la Terminus.

Le projet est disponible sur GitHub (<https://github.com/Etienne0z/NikLaPolice>) et les specimens sont téléchargeables à l'adresse <http://etiennbezogzeray.fr/SVGtoTTF/specimens>.

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