

## Notes and Later Letters Concerning Twins

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Twins. A & B. Boys, born Nov 16. 1845.

Constantly answered for each other  
as well as at Eton with no discovery,  
between the ages of 10 & 15.

I have met many years after, who talk-  
ing to my husband, could not re-  
member which he was a <sup>distinguish</sup> ~~distinction~~  
<sup>between</sup> the <sup>two</sup> twins.

When A. returned from India after  
27 years absence, at 27, & suddenly  
appeared in the drawing room unan-  
-nounced, <sup>dressed</sup> ~~in~~ <sup>for</sup> ~~in~~ a  
suit of Kashmir puttees & with a  
shorter turban of the same, his  
waiter, calling him by B's name,  
told him to go & take that silly  
dressing-up off.

At the age of 27-28 these daughters  
of A, under a year old, would go  
to the arms of either to be quieted,  
when fractious.

Though differing in weight 1½ stone,  
between 50 & 60 & one quite white  
& ~~bold~~ very bold & the other not so  
bold & only very gray, are constantly  
mistaken both when staying  
each in the other's neighbor's hands.

P. 14

by persons of different classes ~~to~~  
who do not know them very  
intimately.

When middle-aged they both bought  
the same pattern carpet for their  
houses, with no collusion, at a  
~~dark~~ interval of time: it was a  
Persian pattern thick carpet, a  
common pattern, one for drawing-  
room, one for back bedroom.

Through different professions &  
living very much apart, have the  
same tastes - shooting, fishing  
in Norway, hunting, the reading  
of books, of roses, poultry.

At 570. A had slight cataract  
in both eyes, B. had practically  
lost the sight of one eye.

Voices so alike that at  
about 45-50 a Governor living in  
A's house could only distinguish which  
was calling here by the accent  
place on the first or last syllable  
of his name. Richardson.

Both admired the same girl, one got engaged to her; the other got engaged to another almost immediately & both married with an interval of 3 months between their marriages.

Their children, boys & girls, have no resemblance with speaking to their cousins, & differ in character; ~~the~~ both the same tastes in gifts - sport, music, games. The wives are quite different in character, tastes & appearance.

We had for ten years a very clean Pomeranian dog, uncertain in his treatment of habits of the house & very cross to strangers. Though only seeing B. say twice a year or so, always knew him & was at once friendly, though B. does not care for dogs as pets & despised him. One day B. offered to go down to A's prize fowls & collect the eggs as A., who was not well, was in the habit of doing daily. The dog accompanied

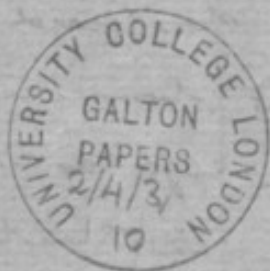
B. running on ahead down the path  
to the chicken yard as he was in  
the habit of doing with his mas-  
-ter, but not with the gardener,  
when the latter in his master's  
absence took the eggs. But the  
dog, however, when B. proceeded  
to unlock the fowl house to  
remove the eggs, flew at him, &  
had to be hunted away before B.  
could take the egg. The dog &  
B. were alone.

Edith E Cuttall  
(Mrs)

Frencham Grove

Farnham

Surrey





*Turner*  
*No. 2 Cat. 66*



DOCTEUR A. CORDES

Professeur libre d'Obstétrique  
à l'Université de Genève.

de 1 à 2 h. tous les Jours, sauf le Vendredi.

60, RUE DU RHONE

June 12/95 - f. 4r 2  
1869, on "Hereditary Twin-  
bearing family". This is a  
short article, but most

Br: Cargnum seems to  
have studied the subject  
of cause. I do not refer to  
your English text books, as  
Ramsbottom etc.

In fact, as much as I could  
think of it in such a small  
amount of time, I do not  
know any book, or  
article, which treat your  
interesting subject, worth any

falling. You are on as good a  
new ground, as far as I know.  
Read also: Des Sciences multiples  
de leur cause, et de leur fréquence  
relative, by Ponce. Paris:  
Lavy, 1878.

I am, dear Sir

Yours truly

W. Galton

F.O.S.L.



C. F. Georg, the book seller,  
Geneva, & Cornatini, will  
send over to you any  
one of the books I have  
indicated, or other ones,  
when you ask for them



Docteur Cordes  
Geneva



Docteur A. CORDES

60, Rue du Rhône

De 1 h. à 2 h. sauf le Vendredi.

Le Mercredi et le Samedi de

11 h. 30 min. et de 1 h. à 2 h.

Geneva, June the 12<sup>th</sup> 1881

Dear Sir

There are not, in my knowledge,  
many good books, about twins, however  
I send you the title of  
some of them. Probably you  
know them already.

Plinius : Natur. Hist. lib. VII, cap:  
II, (faucis medicine article)

Aristotle. De generat. animal. lib. IV,  
Cap. V.

Hippocrate. - De morbofactione (cap. I) and

De morbo. popul. lib. VII. Sect. II.

Eisemann : De utero duplici, Strasbourg,  
1752.



a. de Sack ~~af~~ <sup>simplici</sup> De superfœtatione  
vera in utero ~~duplici~~ <sup>simplici</sup>, Strasburg, 1755.  
See Journal Général de Médecine t. 4, p. 461

et t. XXXVI. p. 82, four cases of  
superfœtation in utero simplici by  
Bousquet and Millot, of Dijon.

Luber Dissertatio inaug. Amst. 1812.

Journal Général de Médecine, t.

LXX, p. 274.

Eyrich, Dissertatio de superfœt. in  
simplici utero hanc possibile Altdorf. 1790.

Fronez de Brouttenau Dissert. de

superfœt. Heidelberg; 1676.

Schaefer, Programma de superfœt.

Lipsick, 1720.

Waldschmidt. Dissert. de super.  
fœt. Hamburg, 1727.

S' Graverande Cajocturae de imperfect.  
falso praeterita, Leyde, 1738.

Gravel, Dissert: inter cajocturas  
de imperfect. Strasbourg, 1738.

Nallinger Dissert: epistolica, quae  
an dēctum imperfect: inquirat,  
Gryphis valdae, 1748.

Galloudaz, Dissert: de imperf.  
Ulmajecti, 1787.

Roose, de imperf: nunculla,  
Brieme, 1801.

Varentrapp Dissert: de imperf:  
respectu ad Romi libellum  
habita, Jena, 1803.

<sup>Rento</sup>  
Himble, Erkennungen der Zwillings-  
Schwangerschaft, Gattingsen, 1861.



Elwert Der Einfache Mutterkuchen  
der Zwillingen, Marburg, 1815  
Küchner De gemellis caluogon  
partu, Jetho, 1839.

Caspar Casdétus, dant et infan-  
tation, Paris, 1825.

Meißner Annuaire ad  
doctores de uandus, ge  
de uerfecto, Leipzig, 1849.

Kleinwächter Die Lehre der  
Zwillingen, Prag 1871.

Ganahl, Supplication (Paris 1865(?))

(Here I think will  
give you good information)

You know, certainly, the  
article communication read  
by J. Branden Cargenven,  
to the Obstetrical Society  
of London, the 5th of May



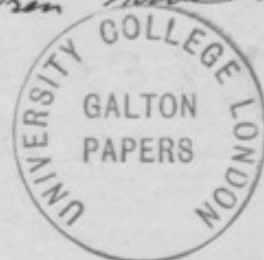


2 pair Argand - 1 Hensch see enclosure  
see of Tapher f. 8r

born } Dec 1895  
twins are only children

Robert Argand  
had five daughters  
and one son  
one daughter & the son  
died in infancy.  
of the four daughters  
remaining ~~there~~  
two twins daughters

Julia Argand.  
married Bouquet  
had three sons one daughter  
and no twins.  
and her children have had  
none either



Adèle Argand . Pauline Argand  
born } Dec 1831

Adèle Argand has  
had four sons and  
two daughters of which  
one son and one daughter  
were twins.

Pauline Argand  
married in 1854 has  
had four daughters  
but no twins.  
one daughter died in infancy

vi: Albert and. Pictet Spencer  
born 3 Dec 1856.

2-3. of the three generations of twins above

Adèle & Pauline Argand were closely alike

but Pauline died in 1863. The other <sup>particulars</sup> nothing

4 They were educated together up to their marriage  
1854

5 The two ~~daughters~~ did not ~~disappear~~

of eye after their marriage but at that  
time they were not dressed exactly  
5 the same as before

6 In the two other pair of twins  
there was nothing particular about likeness

7. 8 There were no case of twins in  
the family besides those mentioned.

John married Adèle Argand  
Mr. Spintner has in his family  
two cases of twins viz. Mr. Spintner  
had two under.

Each of them has in his grand  
children cases of twins.

no likeness  
in them  
twins  
17 years now  
close  
likeness  
existing  
still  
they are 10 years old

Mr. Ferdinand grand daughter of  
the above uncle has had seven children  
3 sons & 4 daughters  
of which two twin daughters  
and Mrs. Binet wife of the grand  
son of the above uncle has had also  
two twin daughters besides one son & one daughter  
We shall send hereafter  
other particulars.

Mr. Spintner has one brother  
and two sisters who have each also  
six children but no cases of twins.

Mrs. Spintner has had her  
twin sister has above besides

~~Two~~ sister married  
 One has two children left one of six  
 no can of turni.  
 the other has never had any children

Can of turni quite new.

Mad Good friend of Mrs. Spenton  
 was delirious yesterday of turni daughters  
 one died a few hours after her birth  
 the other delicate lives with first case  
 of turni in the family she had formerly  
 29 April 1875. 4 daughters  
 1 son



Dear Sir. The enclosed seeds  
so remarkable that I must  
send them. even if they are  
too late. I am sure you will  
be interested. Yours truly

M. C. Tupper  
9 Stratmore Gardens  
May 7<sup>th</sup> 75.

\* Robert Argand est le Père d'Adèle Hentisch qui épousa le Père d'Edith Hentisch

L. R. Argand  
(sent by Tupper)



f. 10r

Julie & Robert Argand  
sont nés à 5 <sup>minutes</sup> de distance.

Julie très forte  
Robert paraissant d. l. cat.

Leur enfance fut la même.  
Très intelligents tous deux.  
goûts déterminés pour la poésie,  
tendances littéraires.

beaucoup de ressemblance physique.  
cheveux noirs frisés : yeux bleus.  
teint coloré. tempérament sanguin.  
mêmes aptitudes. ils furent  
les seuls enfants.

Marier à 20 ans, Julie  
eut 3 fils et une fille.  
elle vécut long temps en  
Prussie où sa santé fut  
excellente. Elle mourut à  
l'âge de 77 ans.



Robert Argand marié à  
26 ans eut 4 filles et 1 fils  
il paraissait moins robuste  
que sa sœur, mais sa santé se  
fortifia. Il vécut jusq' à  
l'âge de 78 ans, sans aucune  
infirmité, son caractère  
et resté d'une douceur et d'une

P. A. Argand  
sent by Tupper



f. 115

2

Pauline & Adèle Argand sont  
mises à  $\frac{1}{4}$  heure de différence  
à terme. — Pauline semblait  
plus robuste. — Leur enfance a  
été délicate. — ressemblance  
tellement grande, que leur Père  
ne pouvait les reconnaître  
elles ont eu au bras un  
ruban de couleur différente qui  
servait à les reconnaître.  
les mêmes maladies de l'enfance  
ensemble, sauf la fièvre scarlatine  
à l'âge de 11 ans. Adèle en a  
été gravement malade. Pauline  
dans la même chambre ne l'a  
pas prise. —

Depuis l'âge de 15 ans elles ont  
été aussi bien portantes l'une  
que l'autre.

Mariées dans leur 20<sup>e</sup> année  
Pauline a eu 4 filles.

Adèle Argand est mère d'Albert & Edith Martin.

puis elle a été enlevée  
à l'âge de 31 ans par la  
fièvre typhoïde. —

Adèle a eu 6 enfants : sa fille aînée  
est devenue grand mère. —

A & E Hentoch  
(sect by Tapher)

f. 121r

3



Albert & Edith Hentoch sont  
nés à 20 minutes de distance  
à terme, et très bien conformés.  
Albert pesait

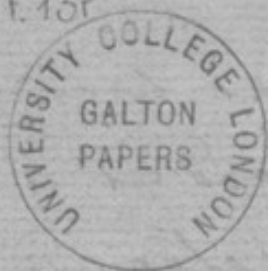
Edith

Ils étaient  
forts bien portants tous les deux.  
aucune ressemblance de figure.  
Albert traits de son Père. figure  
longue, teint brun. épaules larges.  
Edith, ressemblant plutôt à sa mère.  
Leur développement a été le  
même. intelligents tous deux.  
Edith a marché à un an  
son frère un peu après.  
ils ont su lire. Tous deux  
à 4 ans. —

Leurs caractères ont toujours diffé-

Albert beaucoup plus calme  
que sa sœur. enfant très sérieux.  
ils ont eu ensemble, toutes  
les maladies de l'enfance.  
Ils ont aujourd'hui 18 ans  
et sont très bien portants tous  
les deux.





Hotel de la Ville de Lyons  
 Fontainebleau  
 le 20 de Mai. 1875

Madame

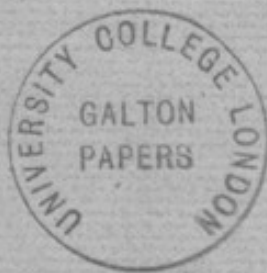
Fort grand artiste que vous êtes, vous n'en avez pas moins toujours été en plein rapport avec le mouvement scientifique de notre temps. C'est ce qui m'encourage à espérer que vous daignerez me pardonner de m'adresser à vous dans l'intérêt d'une recherche que je suis occupée à faire, quant aux phénomènes physiologiques, cérébraux et héréditaires que présentent les jumeaux. Une telle étude ne pouvait manquer de reporter ma pensée vers l'auteur, qui dans une des plus exquises d'entre ses admirables œuvres a pressenti avec la clairvoyance de vrai poète des problèmes qu'il importe maintenant à la science de résoudre. Je n'ai pas l'honneur d'être connue de vous, je n'ose même pas me

flatter que mon nom vous soit  
parvenu, mais je m'enhardis à  
compter sur votre disposition à  
aider de vos lumières un chercheur  
de faits. La circulaire ci-jointe  
vous expliquera à peu près la  
nature de mon enquête. Sauriez-  
vous Madame, m'indiquer des noms  
d'écrivains Français, qui sous un  
point de vue quelconque ont traité  
du sujet en question? Tout fait  
bien authentique, qui porte sur  
la ressemblance, ou sur la dissimila-  
rité physique ou morale des jumeaux  
est pour moi d'une grande valeur.  
S'il se trouvait que vous fussiez  
à même de m'en fournir d'après  
les observations que vous avez  
du ~~constituer~~ vous même, avant  
de créer la petite "Adette" vous  
me rendriez un véritable service.  
En faisant de nouveau appel à  
votre indulgence, j'ai l'honneur

f. 14  
Madame, de vous présenter mes  
saluts les plus respectueux.

(signed) Francis Galton

Je me trouve à Fontainebleau  
pour quelques jours.





Hôtel de la Ville de Lyon

f. 15r

Fontainebleau

Mai 1875.

Madame.

Très grand artiste que vous êtes, vous n'en  
avez pas moins toujours été en plein rapport  
avec le mouvement scientifique de votre temps.  
C'est ce qui m'encourage à espérer que vous  
désignerez une portion de la science à vous  
dans l'intérêt d'une recherche, que je suis  
occupé à faire, quant aux phénomènes phy-  
siologiques, cérébraux et héréditaires que  
~~présentent~~ ~~les~~ ~~jeuneurs~~. Une telle  
étude ne pouvait manquer de reporter  
ma pensée vers l'art, qui dans une  
des plus expriées d'être des admirables œuvres  
a pénétré avec la clairvoyance du vrai  
poète des problèmes qui il importe maintenant  
à la science de résoudre. Je n'ai pas  
l'honneur d'être connu de vous, je n'ai  
même pas me flatter que mon nom vous  
soit parvenu, mais je ~~m'adresse~~  
m'adresse à compter sur votre disposition à

aider de vos lumières un chercheur de  
 faits. Le circulaire ci-jointe vous expliquera  
 à peu près la nature de son objet. J'aurai  
 ras. Madame, en indiquant des noms d'élè-  
 vains français qui sous un point de vue  
 quelconque ~~ont trait~~ du sujet en question?  
 Tout fait bien authentifié qui porte sur  
 la <sup>remplacé ou dignité</sup> ~~constatation~~ physique ou morale des jeunes  
 est pour moi d'une grande valeur. S'il se  
 trouvait que vous fussiez à même de m'en  
 fournir d'après les observations que vous  
 avez dû instituer vous-même avant de  
 créer "la petite Adette", vous me rendriez  
 un véritable service.

En faisant un nouveau appel à votre  
 indulgence, j'ai l'honneur, Madame,  
 de vous présenter mes saluts les plus  
 respectueux.

Paulin Talbot.

Je me trouve à Fontainebleau pour quelques  
 semaines.





Fox Lane



Anthropological Institute  
of Great Britain & Ireland,  
4, St. Martin's Place, W.C.

Feb 7

1875

Dear Mr Galton

I can do with a few  
more of your papers being  
disposed of as you sent in  
a way that I think will  
bring you some information.  
We have heard of a case in  
Scot. of frim all grown up  
In most of the cases we have

head of the twins are much  
alike but in the case of my  
father in law and his brother  
who is still alive. They were  
very ~~to~~ unlike.

Yours sincerely

Almon Fox.

From Vaucluse Rectory  
Aug. 2/75

Sir I enclose some particu-  
- lars relative to myself &  
Brother Lewis, in reply  
to your application, in case  
they may prove of service, in  
the object you have in view -

Yrs faithfully  
W. W. Hautes

No 1 - William Hamilton & John  
Ogle Hunter, born Apr. 10. 1811

2. So alike in body, that up to the  
3 age of 12 they were frequently mis-

4 taken, the one for the other by

Strangers - unlike in mind  
Of the same height & stoutness, &  
they dressed alike - Hair & eyes

of the same colour, very light,  
almost flaxen till the age of 12 yrs

So equally matched in strength  
& manual skill, that it used

to be the amusement of their  
Schoolfellows to set them to fight

or wrestle - Their handwriting  
was similar, but that met. have

been from being taught by the same  
Master - intonation of voice &

state of health the same -

But their tastes & dispositions  
were dissimilar - Wm. being fond

of reading - liking poetry & attempting  
it from an early age - Jn. having

no taste whatever of the kind, but  
quicker than his brother in arithmetic

- & slower in composition &  
in the study of Greek & Latin -

Both however, equally fond of  
athletic exercise, - cricket, football

&c - Their tempers also very dissimilar  
Wm. of a very even temper, & not easily

offended - Jn. hot & fiery, but generous  
in acknowledgment of fault - Wm. reserved

& taciturn - Jn. frank & communicative -  
Wm. careful & saving - Jn. unthriftily &

Lavish - Both having a great spirit of emulation in their respective aims but Jn. always the more hopeful & sanguine -

At the age of 12, their close <sup>personal</sup> resemblance began to decrease - Wm. grew taller, ~~he~~ reaching when full grown  $5.9\frac{1}{2}$  - Jn. never getting beyond  $5.7$  - Wm. remaining of a spare habit & has never exceeded 10 stone Jn. growing rapidly stout after the age of 22 -

At the age of 15 Jn. went to Canada & was occupied eventually in mercantile pursuits - Wm. remained at School till 19 & then graduated at Cambridge & took Holy Orders - The two Brothers only met once in the interval, in 1837 - when the younger was found to have altered sufficiently to be easily distinguished from the elder - being much stouter - having darker hair, & scantier whiskers - Jn. married very early, when he was only 19 - lost both wife & 2 children & married again in 1834 - & died (leaving a widow & 3 children) in consequence of an accident, in 1847 - Wm. did not marry till 1837 when he was 26 & had 11 children - only survive - In neither family have there been twins -

I ascribe the gradually increasing dissimilarity between them to natural development of different physical & mental qualities -

Among the families (many) of paternal & maternal Uncle & Aunts, I am not aware of any case of twins - Two of my father's <sup>female</sup> grandchildren have had twins - My father was 3 times married & had children by each wife -



J. O. B. 11

Jan 18. 1886

18, GORDON SQUARE, W.C.

Dear Mr. Gallon

I am to thank  
you for your letter  
regarding twins - it  
is quite possible that  
one might be able  
to gather more infor-  
tion on the subject if  
one could get the patients

18, GORDON SQUARE, W.C.

to fill up answers to  
questions on - give  
printed form - the answers  
of Hospital patients  
as a rule are so  
unsatisfactory however -  
Regarding the question of  
fertility one finds that  
so commonly means are  
adopted

for the present I con-  
ceive them statistics  
on time point and  
practically worthless -

Yours very truly  
Jas Oliver





Jan 14. 1896  
18, GORDON SQUARE. W.C.

Dear Mr. Ballin

Last year you kindly  
sent me a copy of your  
2<sup>nd</sup> paper on twins - I  
have gone through some of  
my aut. patients histories  
taken at the Hospital  
for Women & the result in  
detail I now enclose you -  
You are welcome to use it  
at any time

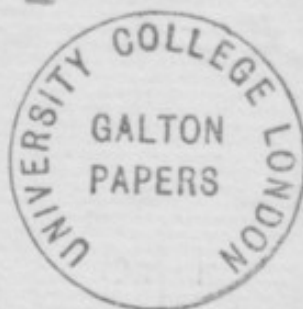


18, GORDON SQUARE, W.C.

4 as the detail I send you  
is a copy for my book  
please keep it.

Yours very truly  
James Oliver  
M.D., F.R.S. (Ed.)

P.S. It is of course as you  
will understand & I feel sure  
I get a good history from  
Hospital patients.





1 Sullivan aet 44 married twice twins twice by 1<sup>st</sup> husband } by 2<sup>nd</sup> husband  
no children  
Mother of patient had twins  
wife of mother's brother had twins twice  
daughter of mother's sister had twins twice  
2 cousins of patient on father's side had twins

2 Hayman aet 29 married twice twins by 1<sup>st</sup> husband no children by 2<sup>nd</sup>  
2 sisters of patient had twins  
mother of patient had 13 children no twins & no history of twins

3 Hancock aet 44 twins - girls  
no history of twins

4 Jones aet 23 twins - girls  
sister of mother had twins

5 Stone aet 28 twins - girls  
mother had twins

6 York aet 32 twins twice  
wife of father's brother had twins

7 Walton aet 40. twins  
1 sister twins twice  
wife of father's brother had triplets

8 Francis aet 37 twins  
sister of mother had twins



- 9 Kingdom      act 50      twins  
     sister had twins  
     mother of father had twins (patient's father was one of the twins)
- 10 Hayward      act 32      twins - boys -  
     mother of husband had twins twice (husband was not a twin)
- 11 Wood      act 41      twins  
     wife of brother of husband had twins  
     sister of patient had twins
- 12 Littleham      act 37      twins  
     sister of mother of husband had twins
- 13 Huggins      act 24      twins twice  
     mother had twins  
     father's mother had twins  
     mother's mother had twins
- 14 Pigby      act 33      twins  
     mother of mother had twins twice  
     sister of mother of mother had twins  
     sister of mother had twins
- 15 Lange      act 26      twins  
     sister of patient had twins



- 16 Chamberlain      age 46      twins  
                                  husband is a twin  
                                  one sister of patient had twins
- 17 Gamand              age 55      twins  
                                  mother of husband had twins
- 18 Steed                age 34      twins - girls -  
                                  mother of husband had twins
- 19 Bercland            age 27      twins - boys -  
                                  sister of husband had twins
- 20 Deal                 age 44      twins three times  
                                  no history of twins
- 21 Goodwin            age 36      twins - boys -  
                                  no history of twins
- 22 Rendell            age 35      twins  
                                  mother of husband had twins
- 23 Sim                  age 42      twins - girls -  
                                  mother of husband had twins
- 24 Bently              age 26      twins  
                                  mother of patient had twins  
                                  mother's mother had twins
- 25 Bulling             age 31      twins  
                                  no history of twins.



Thomas Oliver  
Hereditary  
J. Oliver  
1896

Geoffroy St. Hilaire

F. 26c

Philosoph. Anatomy II  
(History & Character)

Serres Recherches d'Anatomie  
Transcendental.

Mind over Matter Sent Library Apr

2-4-18

See in thing about the VII Chap. II § 5-k about strong likenesses  
between persons not related — 2 boys were so alike  
one born in Asia & the other beyond the Alps that he told  
<sup>was a great proof</sup> them of twins — The fraud was ~~often~~ soon discovered

= Conversational Lexicon

Twins are <sup>explained</sup> ~~rare~~ in our common (Eichhülle)? Placenta  
Mortality of twins is greater than of other children.

1 Twin birth out of 10 births one Trix out of 4-7000

& one 4 from 20-50,000 & 15 out of many millions  
More common than not have twins <sup>because increased</sup> births after great epidemics,  
viz. a Black Death.



Spaeth: Studien über Zwillinge.

Zeitschrift der Wiener Gesellschaft der Ärzte  
1860 Nos 15 und 16

Num. def. 2. 20



Sir Walter Raleigh's

So toad my bodie's quest

Quote Habidra Horse & engine  
Vsk II

Narrower the circle in which liberty  
is possible  
Confirms the pitiful logic

Illustration: —

Maternal love - web nurse  
bestial instincts  
Eve's remarks in fanaticism

Formal aptitudes, readily awakened as  
Olympie catching the twirl of the fan from her  
sister.

Twins, both quad & with identical hallucinations  
& attacks Moreau Psychologie morbide 172. & Troufseau  
Clinique Médicale 2.253 (taken from Ribot note. 266)

Troufseau

When the mind is inherited at once by both twins  
it is clear that the elements of feature & character  
cannot be looked on as independent variables,





Lansdowne. Upper Norwood. 7<sup>th</sup> Sept. 1875.

Sir Newton Newton presents his compliments to Mr Galton, and has pleasure in forwarding to him the enclosed information regarding his Tunis, which he was prevented from sending sooner, as he was much occupied in preparing for leaving Barbados, when he received Mr Galton's circular, and has not been able to attend to it since his arrival in England.

Newton

Newton



Answers to Questions.



p. 31r

1. Kathleen Sophia } Dawson, born Feb 4 1861.  
Nora Louisa }
2. Very much alike in body & mind, from birth up to the present time.
3. Friends, relatives, & ~~parents~~ have all had more or less difficulty in distinguishing them, & even the latter have sometimes mistaken one for the other.

All the details noted in the question may be answered in the affirmative, with the exception that their relative height has sometimes varied by a quarter or half of an inch, & that the elder was generally about 2 lbs heavier than the younger, until about a year ago, when the latter gained upon her sister in height, and proportionately in weight.

4. Up to the present time.
- 5 } Their close resemblance has rather increased.
- 6 }

Note. These twins had 5 brothers & one sister older than themselves; none younger. They are fine, well made girls, taller than their elder sister, or their mother.

## Heredity.

7. One uncle & 3 Aunts. No twins  
 8. 7 Uncles & 8 Aunts No twins.  
 9. None. Their uncle died unmarried.  
 10. 3. The two eldest had not any children. The third had 6 children, including one case of Twin girls.  
 (I believe that my sister, Mrs S. W. Hull, has sent replies relating to her twins.)  
 M.H.  
 11. 2. Twelve children. ( $2 \times 10$ ) No twins.  
 12. 5. <sup>Seventeen</sup> ~~Eighteen~~ children ( $3 + 4 + 1 + 3 + 3$ ) No twins.

Samuel Adams

# Notes & letters

1875	45 letters of which	13 are II	8 & 17 are X
Up to Jan 9 -	III III "	III "	III "
Since then	III I		
	70	16 at least	21 at least
	III III III II	5 (?) more	5 (?) more
		III I	II II





Notes

Not yet extracted

~~Backham~~  
~~Chells~~  
~~Fowler~~  
~~Grimmer~~  
~~Harrison~~  
~~Pattinson~~  
~~Robtson~~  
~~Fuller~~  
~~Harwood~~  
~~Millican~~  
~~Macrae~~  
~~Navarlein~~  
~~Sansome~~  
~~Small~~  
~~Tuke~~  
~~Thrush~~  
~~Wain~~  
~~Welch~~

Butler  
 Burnett  
 Coles  
 Hensett  
 Holland  
 Nichols  
 Sheppard

Littlebridge

