

## **Female Twins: Unalike**

### **Publication/Creation**

Dec 1874-Mar 1875

### **Persistent URL**

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was secured by a renewal of the old agreement under which the Czar is to assist Germany, if attacked by more than one Power. At all events, peace is secure till the Czar changes his mind, or Prince Bismarck can occupy Russia, or the War party in Berlin becomes irresistible, or France has found an ally—that is, it is secure till it suits either Germany or France to break it. As we have tried to show elsewhere, of real peace there is no more certainty than there was a week ago, and there will be none, when France and Germany, armed to the teeth, are each expecting to feign to expect aggression from the other.

It is probable that, war being postponed, other questions were discussed between the two potentates and their Chancellors, for it is stated that Russia promised to use her good offices to induce Belgium to change her laws, and that Germany promised to use her best endeavours to persuade England to come to a final agreement with Russia about Central-Asian affairs. These statements have not yet been confirmed, but if they are true, they mean that severe diplomatic pressure is to be applied both to Belgium and Great Britain to modify their policy on subjects really of internal interest. It is very difficult to understand what Prince Bismarck wants in Belgium or Prince Gortschakoff in Central Asia, but we may be certain in either case that it is something which the menaced State will be most unwilling to grant. There may be serious events in Kashgar before long, if the Chinese troops are massing on the frontier in the numbers reported, and we trust Lord Derby will not be betrayed into another Luxembourg guarantee. The only safe course in Central-Asian politics is to remain perfectly free to act as the interests of the Empire may at the moment of action dictate.

The Belgian incident is clearly not yet over. The German papers declare that the Belgian reply, which we summarised in our last issue, is thought very unsatisfactory at Berlin, and will require a rejoinder. Professor Bluntschli, who, though no organ of the German Government, has more than once guided the National Liberals to the official view of international affairs, has intimated that Belgium is making a very great mistake in simply awaiting news of Prussian or German legislation, instead of at once altering her own laws so as to prevent offences against "international amity." And English correspondents telegraph

to the views of a predecessor in 1875 "who wished to do something, and had not the money to do it with."

Sir Stafford Northcote's reply was unusually bright and effective. He complained that the only case in which the Liberals are hard upon the close-fit of a Budget should be the case in which the Government propose to do something towards paying off the Debt. In other cases, they had calmly left £1,200,000, which would have amounted to be nearly £2,500,000, to be taken out of the Exchequer. In answer to Mr. Gladstone's question, "Did you ever see a Chancellor of the Exchequer who came forward and proposed taxes in this House for the purpose of keeping up the sinking fund?" he replied, rather successfully, "Yes, I did. I remember a Chancellor of the Exchequer coming forward and proposing a Match-tax. I am proposing taxes at this moment to carry out arrangements into which my right honourable friend has himself entered." As to the great contrast drawn between terminable annuities as a mode of paying Debt and the ordinary sinking fund, he said it reminded him of a boy in Sir Walter Scott's novels, who, when told by a traveller not to lose the half-crown he had given him at pitch-and-toss, boasted that he had not lost it at pitch-and-toss, but at "neevie-neevie-nick-nack." The difference between the two methods was just as great or small as the difference between "pitch-and-toss" and "neevie-neevie-nick-nack." Mr. Lowe continued the discussion in a clever speech, in which he defined a Chancellor of the Exchequer as "an animal who ought to have a surplus,"—to which he might have added, an animal which it is no sin to vivisect; but on the whole, the feeling of the House remained decidedly with the Government, and unmoved by the somewhat petty attacks of the Liberal chiefs.

Lord Salisbury has appointed the Duke of Buckingham and Chandos Governor of Madras. That is an opportunity lost. The Duke has held many posts with respectable credit, and may administer the Southern Presidency fairly well, but he is not the originating Governor Madras wants. As to his rank "impressing" the natives, that is conventional rubbish. How much are we impressed with their rank? Passed Cabinet Ministers, however, who will govern Colonies have a certain claim to govern them, and the notion which has somehow grown up in England that a

*Goith (unlike)*



914  
Japan by which the Southern half of the island of Saghalien is conceded to St. Petersburg for ever. The whole island now belongs to Russia. It is believed that it is full of metals; and known to yield good coal; while its position makes its owner, if a European State and in possession of a fleet, almost irresistible in Japanese waters. If, as is stated, it is intended to work the mines and forests by means of convicts, Saghalien may prove a valuable possession. One would like to know what Russia has given in return,—alliance against China?

M. John Lemoine, political Editor of the *Débats*, the ablest serious journalist in France, has been elected to the Academy.

The Tenant-right Bill passed the House of Lords on Thursday, amidst a general chorus of approval, which at least proved that the great landlords do not think it will do them much harm. The Duke of Richmond was quite effusive in his thanks for the manner in which the Opposition had been conducted, and the Duke of Argyll said it was not a sham Bill, but would increase the security of the tenants, lead everywhere to written agreements, and necessitate a universal revaluation of land. How it is to produce those results, when any landowner can advertise himself out of the Bill, his Grace did not explain. The real fight over the Bill will be in the Lower House, and the Duke of Richmond, foreseeing that, stated decisively that the Government would consider any interference with freedom of contract equivalent to the rejection of the Bill. It is the kind of measure, however, which never comes out of a Committee of the House of Commons as it went in, and we should not wonder at all if, when it emerged, it was found that Mr. Disraeli's promise to give tenant-farmers a right to two years' notice had been kept, and that the rest of the Bill had somehow melted into the air. If the fight over freedom of contract proves severe, the Premier may force through that compromise.

The Army Exchanges Bill passed its second reading in the Lords on Friday week by a majority of 137 to 60. The debate was on an exhausted subject, but it was a very fine one, and any one who wishes to understand both sides of the question should read the speeches of Lord Sandhurst against and Lord Derby for it. The effect of the former was marred by a certain brutality of statement which sometimes impairs Lord Sandhurst's speeches,

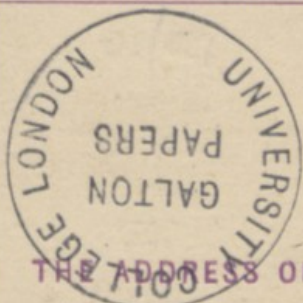
conformists, apparently, were content with Mr. Sandhurst's speech,—which was being easily satisfied,—and made no further opposition. The second reading was carried by a majority of 212.

The first act of the French Assembly after the recess has been to prohibit any more partial elections. The object of this unusual and unconstitutional proposal is, of course, to prevent any increase to the Liberal benches, but it has been accepted by the Centre, on an understanding that the dissolution shall take place this year. The Government refused to fix a date by law, on the ground that foreign complications might arise, but it seems to be understood that the dissolution will occur in October. A quantity of work is to be got through before that, and the calculation is that illiberal laws like the voting by arrondissement instead of by departments—a change intended to strengthen M. Buffet's hands—and a new Press law, may be carried, from the unwillingness of the majority to divide. It is possible that the calculation may prove erroneous, as the moderate Liberals, in view of the dissolution, will be anxious to please their constituents, and the extreme Conservatives are so sure not to be returned that their influence on the Government will be *nil*.

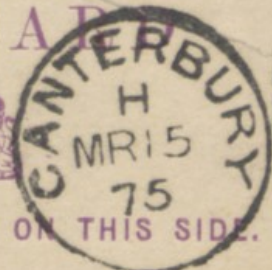
Philanthropists sometimes get not a little despotic. The British and Foreign Anti-Slavery Society thinks, what is no doubt true, that a coolie trade may degenerate into a slave trade, and that "native" interests in the West Indies, Mauritius, and elsewhere require careful guardianship. They therefore on Tuesday, through a deputation, pressed on the Secretary for the Colonies what was practically a prohibition of the coolie trade. In reply, Lord Carnarvon very justly said that coolie immigration, if carefully watched, might be a blessing to the Colonies, and to the immigrants; that even in the Pacific Bishop Patteson had advised regulation, and not suppression; and that he himself might be trusted, for he had just emancipated the slaves on the West Coast of Africa. He might have added, what everybody seems to forget, that while it is necessary to protect emigrants, even when they are Englishmen, and while compulsion or deception on emigrants ought to be punished, her Majesty's Indian subjects have a right to visit her Majesty's colonies, if they like. What we have to see is that the Colonial authorities do not oppress them when they arrive,



f.2c



POST CARD



THE ADDRESS ONLY TO BE WRITTEN ON THIS SIDE.

To

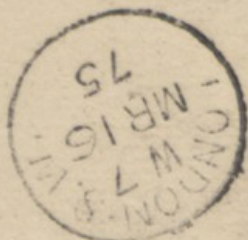
*F. Galton Esq. F.R.S.  
42 Rutland Gate  
London. S.W.  
E. Dover.*



f. 2v

Please send Circular in re

Twins to



Rev. G. J. Blomfield

Aldington Rectory  
Hythe

Private  
&  
Confidential

24  
Dover (Bishop of)

f.3c

24 Feb. /75

Dear Sir



I do not like  
again to turn a deaf  
Ear to your Circular, if  
any benefit is likely to  
arise from your Enquiries,  
and I therefore enclose  
some particulars about  
my own family. By

My Father's first marriage

he had in all 10,

and by the 2<sup>nd</sup>. 3 children.

Several died in infancy, and

now of the 2 families 5

alone survive.

My maternal Uncle, 2<sup>nd</sup>.

Ld. Stanley of A. now

dead was twin with

the Hon. W. O. Stanley now



living. The late Mrs.  
 one of  
 Adeane, my mother's sisters,  
 also had twin girls,  
 one of whom is now living,

Mrs. Greenfell.

I write this trusting  
 that you will be good

enough to let no names  
 and that you will not  
 appear, ~~nor~~ mention

me by name as

your correspondent.

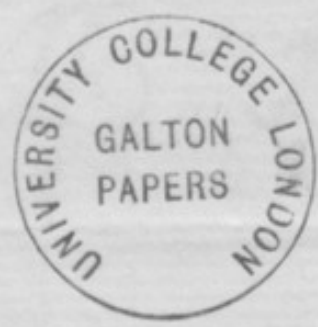
I remain

yours faithfully

E. Dover.

F. Galton Esq.

F.R.S.



Bishop 180000

Private

f.5

1826 Sir W. Edward Parry married in 1826  
Isabella, 4<sup>th</sup> d. of Ld. Stanley of Aldenley  
By this 1<sup>st</sup> wife he had twins twice

1830 { Edward (Bishop of Dover) now living  
      { Isabella died of scarlet fever at age of 6.

1839 twin boys died at birth. Mother died also.

1841 Sir W. E. P. married again in 1841  
and by his 2<sup>nd</sup> wife had twins both living  
born Jan. 1844.

1844 { Katharine } differed inter se from the  
      { Elizabeth } first physically & in character.  
      They are both married





Private

f. 6r

Twin living daughters of Sir W.  
E. Parry <sup>vis: -</sup> Mrs. Brodie Hoare  
and Mr. Edward Estlin  
(Katharine & Eliz<sup>th</sup>. Parry)

---

Brought up together from  
infancy and never separated  
until marriage.

Unlike in feature, voice  
manner, character, from the  
first and to the present  
day. One very like her

Mother in character,  
voice, and figure: the  
other like neither parent,  
in any way, exc. stature.  
Both tall.

E.D.





Private



F. Galton Esq.

42 Rutland Gate  
London. W.

f. 8r



with the Bishop of Worcester's copy.

PAID BY ADDRESSEE



8/2

f. 8v

Docteur A. CORDES  
60, rue du Rhône

De 1 h. à 2 h. sauf le Vendredi.

Le Mercredi et le Samedi de  
11 h. à midi et de 1 h. à 2 h.



Fernand

f. 9r

Geneva, April the 18<sup>th</sup> 1875

Berthe and Marguerite Fernand  
came to the world, a few weeks before  
term. M: weighed 625 grammes,  
B: 1250 grammes, their rearing was very  
difficult. Berthe had strong ears &  
2 titulations. They were always fed  
in the same way, and the physical  
circumstances were always the same  
for both. But their <sup>and intellectual</sup> physical  
development was more and more  
different when they grew up.  
M: was able to walk alone  
when 22 months old, B:  
when 17. Have not had the  
same diseases. For instance, B:  
had scarlatina, and M: did not

taste it. Their tastes are quite  
in discrepancy, and their aptitudes  
quite different also, they <sup>can</sup> not  
follow the same lesson.

B. is taller than M. Same hue  
of eyes, and hair. However, they  
do not bear a striking  
likeness. They are now 17  
years old; when small, they  
were very alike. Their feeling  
is rather different, about  
things and men. They are  
of the same strength.  
(V. obs. Journal & II p. 11 for some particulars  
about the measures) Heredity.

Their father had twins  
brothers; on the maternal side,  
no twins.

70/ 2 uncles, 2 aunts, no twins.  
80/ one uncle, 2 aunts, no twins.



90/ An uncle had 4 children  
 another 1 child  
 no wives.

100/ An aunt had 1 child  
 the other one 5 children  
 no wives.

110/ An uncle, who has no children

120/ An aunt has 4 children  
 no wives.

another one, 3 children. <sup>She is</sup> Now dead.

(Translated from mother's  
 information)

A. G. G. G.

F. O. S. Lond.



f. 10v

from Mrs. Mary L. Gupper  
3 Chesham Garden  
W.

Fry

f. 115



5 The Grove

Highgate

22 Feb. 1875

Dear Sir.

I have received thro' my  
friend D. Take a copy of your  
questions about twins.

1. I have twin girls -  
aged nearly 6 years. viz Isabel

Fry & Agnes Fry

2. They are dissimilar in  
body & mind. Isabel is more  
like the majority of my other



children and appears to me  
to be of a type which I attribute  
to their maternal grandmother.  
Agnes is very different, & of a  
type which I attribute to my  
mother - the chief paternal  
grandmother. She is a great deal  
taller than her sister. The one  
Abel is dark: the other very  
fair.



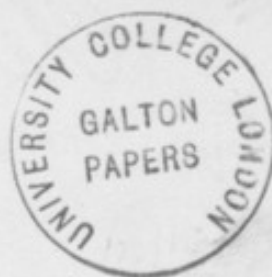
7. My twins have 4 uncles  
 & 5 aunts on my side. Of these  
 aunts two died very shortly after  
 birth.

8. They have 3 uncles & one  
 aunt on their mother's side -  
 one uncle having died in early  
 infancy. They have also on their  
 mother's side 4 half uncles &  
 three half aunts, i.e. children  
 of their maternal grandfather by  
 wives not their maternal grandmother.

9. My twins have on their father's side 3 married uncles. These uncles have had 10 children including one who died in infancy. No case of twins has occurred in their children.

10. My twins have on their father's side 2 married aunts. They have had 17 or 18 children (as above) / No case of twins

11. My twins have on their mother's side 2 married uncles



These uncles have had 14 children  
as above. No case of twins. They  
have also a maternal half  
uncle married without child.

12. My twins have on their  
mother's side one married aunt-  
with 5 children but no twins.

13. Mr. J. B. Braithwaite, 3

New Sq. Limerick's son is a

brother. Mr. Nathaniel Doubleday &c.



Mr. Horace Davy, Mr. A. J.

Martin & C. M.P. all of Lincoln

are fathers of twins -

So are Mr. Henry Fowler of

Woodford Spca. & his brother

Mr. Wm Fowler of Forest House

Leighton Spca. I think that

all these gentlemen would be

willing to give you information.



If you like to send me some of  
yours for my, I will apply to them.

Yours truly

Edw. J. R.

Francis Galton Esq -

This is by Holbrook Gaskell - see N Gaskell  
letters.

Woolton Wood  
Much Woolton  
near Liverpool.

1 Edith & Amy Gaskell

2 Unlike in body & mind

Amy rather above middle height  
sweet tempered - musical -

Edith below middle height - unassuming  
violent in temper & singular in manner  
very hysterical temperamental

Amy has been subject to Epileptic  
Seizures - especially since Railway  
accident - Peculiarities in

both developed about age of  
puberty. up to which time  
they were educated together  
& alike - From 21 yrs of age  
on thereabout they have lived  
separately. Amy is now married.

4 4 letters - 2 Am. 5.  
one case of twins - sons of  
one of the Am. 5. I subjoin  
their address -

8 3 letters - 4 Am. 5 - No twins

9 1 - 6 - no twins

10 2 - 9 - one case of twins - reading

11 1 - 3 or 4 - no L L

12 2 - 10 or 12 - No L L

13. Walter Holbrook Gaskell  
 Ernest " " "  
 North Hill  
 Highgate  
 London

These, I have,

Cousins to preceding  
 i.e. - Mother of 13 was  
 sister to father of 1

Mrs Charles Holland  
 nee Gaskell - has  
 twin sons.

address

These twins  
 are 30 years in New Brighton  
 to preceding  
 in Gaskell line

Liscard Vale  
 Birkirkhead

Mrs John Bellhouse  
 Green oaks Altrincham  
 Manchester -

Twin sons - They are Cousins  
 to Mother of twins & 1 -

Agnes & Jessie Robertson  
 Cousins of mother of No 1  
 address. Mrs Boyle  
 New Mills  
 near Manchester

Ernest Bellhouse  
 Altrincham - son of  
 Mrs Wm Bellhouse  
 above referred to & himself  
 and the twins referred to  
 is married & has had twins  
 son & daughter.

Mrs Martha Wilson  
 Claybourn  
 Ramsey  
 Islington  
 Cousin of mother of No 7  
 has twin daughter & son.

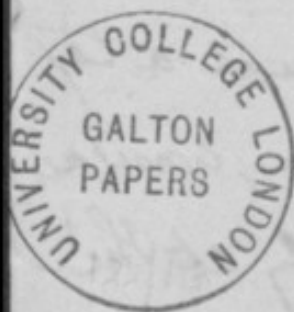




Can mentioned - (Holcombe)

Yours faithfully  
Chas. Alg. Holcombe

29 South Hill Road  
Liverpool 26<sup>th</sup> Dec 1874



Dr. Sir.

You are engaged upon an interesting enquiry, but whether you will be able to gather facts upon which you can arrive at any definite conclusion, I am very doubtful.

Two of my daughters, Corbetta Catherine, and Alice Susan, have been from infancy rarely separated, even at school, and as children visiting their friends, they always went together.

At their birth, in Corbetta, the oldest by about 15 or 20 minutes.

there was nothing remarkable. To  
 nurse both was too ~~much~~ great a tax  
 upon their Mothers constitution, consequently  
 they were brought up, partly at the  
 breast and partly by hand.

The two Sisters are very different  
 in ability and disposition -

Isabella enjoys only the ordinary  
 amount of talent and ability. When  
 at School she kept her position in her  
 class through industry, and has no  
 taste for music or drawing -

Alie was born a poor weak delicate  
 little thing. for the first year I did  
 not think she could possibly live,  
 as however she became stronger,  
 so she displayed an unusual  
 amount of quickness and talent,

was passionately fond of music and drawing. She is of an active & lively temperament, whereas, her Sister is more retiring, but firm and determined.

Mr. Holcombe's Father married twice. By the first marriage he had two daughters - My Wife is by the second marriage. Her half Sisters were seldom separated, and I should say, there is as much difference between their disposition and character as there is in my Daughters.

Strange to say, they married two Brothers not twins, but two of a kio

These three grew up to man's estate, Two entered the medical profession, one the Church. The surviving one, Dr Evans resides at Hertford, Herts. I cannot conceive he could have any

objectum to reply to your questions, if  
you were to send him a letter, circular

The three brothers were not only very  
alike in disposition and character  
but in their person. Voice and figure  
there was so strong a resemblance  
that oftentimes one was mistaken  
for the other -

I am told Dr. Archer's Son  
of Crosby near Liverpool has twins -  
On my side, the Twins had 5 Uncles, all  
married. and four Aunts, two married.

On the Mother's side, One Aunt, married.  
The others (as I have explained) were only  
half Aunts & Uncles.

I am not aware of any branch  
of my Family having had Twins. The same  
may be said of Mr. Holcombe, excepting the





(Levens)  
Parsonage Road  
Withington  
Manchester  
23 Jan 75.

Dear Mr Galton

Thanks for the  
paper on Statistical method.  
It seems to me a most impor-  
tant and interesting one  
& shall have my close attention.  
The notion of disentangling  
estimating the number of  
Concurring causes is a novel  
one. I think you should  
further give your thoughts  
to cases of lob sided laws  
so to speak, where a tendency

in one direction is combined  
with the binomial law.

I have sent two copies of  
your circular one to Mrs  
Barham, a cousin who lives  
at Bridgewater & has twin  
children. A second to Mr  
Wm Thomey at Windermere  
who has twin brothers one  
of whom is Charles Thomey  
an artist of Hastings (No 3  
The Croft) who usually has a  
picture in the Academy. He  
& his brother Edward might  
make a good study.

I enclose some notes about  
my own family, showing that

there are several cases of twins  
in the previous family but none  
except one  
so far as I can possibly remember  
a find in my records on the  
Roscoe side.

I may add that the <sup>mother</sup> ~~father~~  
of the two Thornely's ~~and~~  
and the mother of Mr Barham  
were sisters. if I recollect right.

I shall be seeing a cousin who  
is the father of two girl twins  
& will see if I can get any  
hints from him, but I fear  
you will find at least one  
person in two disinclined  
to answer. If you do not  
hear from Mrs Thornely in

2 weeks or so I will send a paper to Charles direct as you can do it if you like.

Mrs Jeavons tells me that she remembers when young learning from a music master in Manchester named Gunton who had a twin brother so like that they were constantly mistaken for each other. They are probably not living now.

Will you send me two more copies of the number.

Yours faithfully

W. S. Jeavons.

P.S. Might you not take in another generation, as there may be atavism in twins.



THE OWENS COLLEGE,  
MANCHESTER,

5 Feb. 75.

My dear Sir

A few days ago I saw my cousin Mr Henry Jevons who is the father of twin girls and obtained what is probably right information about them.

Nelly Jevons is a slender tall girl half a head taller than her twin sister, dark eyes & complexion & long straight ~~has~~ dark hair. Riches in intellect & with fair capacity for music.

May Jevons on the other hand is short & thick made in figure



with short curl hair, light  
complexion & blue eyes, not  
so intelligent, with some capacity  
for drawing, but apparently none  
at all for music. Although she  
was well taught in music she  
was in the habit of playing pieces  
straight through in happy disregard  
of sharps & flats apparently uncon-  
scious that they had any importance.  
The girls who are both in their  
teens 15 or 16 or thereabouts  
are both of the same good temper  
& have had, except in regard to  
music which was given up in the  
latter case, exactly the same good  
education. They differ so much  
that it is needless to answer the  
other questions.

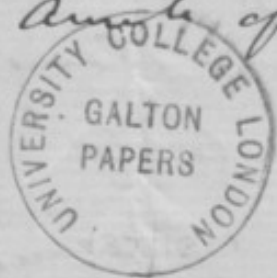
I was interested by the remarks in your last letter upon hepatic lithif, but on reflection you will see that the instance you give of the tin plates is one where the lithif became small or nearly zero, but not ~~negative~~. The latter arises where you have too much of a good thing as in a flood of water which destroys your crops, whereas the plates at the worst did the bigger no harm. Your anecdote is a very good one and I shall probably dress it up some day as an instance of economical laws. but it is not miners only who turn up their noses at too many specimens. Any collector of gold books or coins would have done exactly the same, & the whole picture of engraving trade is forewarned

by similar principles rather than  
the love of art.

I shall try some time or other  
to develop the ideas of negative  
utility to which you allude but it is  
too difficult at present to get  
people to see positive utility in  
the right light.

I have found among my papers  
a long pedigree of the Lowen  
family from which the Thomesley's  
& Henry's sons children were de-  
scended by the female side. They were  
a very prolific family, the numbers  
in successive generations going back  
being 11, 5, 7, 12, but I know  
of no twins & am assured that there  
were none among the 10 uncles &  
aunts of the two pairs of Thomesley's.

Yours faithfully  
W. S. Jevons.



April 30<sup>th</sup> 1830. were born  
 Mary Emily and Charles Thomas  
 twin daughters & son of Thomas and  
 Mary Anne Jevons. They died  
 respectively on May 5<sup>th</sup> & 9<sup>th</sup>  
 carried off by influenza. The whole  
 number of children of the above  
 Thomas & Mary Anne were eleven in  
 number of whom only four survive.

Answers to Queries

- (7). Two uncles & one aunt. No twins.
- (8). Seven uncles & one aunt. No twins.
- (9) Both uncles married & had  
 respectively six & eight children -  
 no twins.
- (10). The aunt married - Two children  
 not twins.
- (11) Seven married uncles had  
 thirty one children - no twins.  
 I have never heard of a <sup>more than</sup> eighth case  
 of twins in the Roscoe family in

Three generations

(12). The aunt married but had  
no children

---

Addition to (9). The married  
uncle on father's side had a married  
son Henry Jeavons among whose  
extensive family of 11 children is a  
pair of girl twins. A daughter of  
the same uncle Mrs Barham,  
has also an extensive family of ten  
with one pair of twins (daughters)





Redfern  
 Eden Place  
 Am. St.

Birmingham

Dec 22<sup>nd</sup> 1874

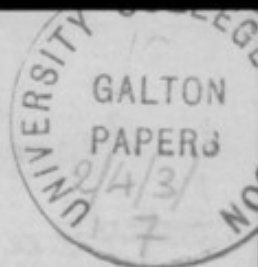
Sir

I have much pleasure  
 in sending you the following  
 reply to your enquiry

1) Edith Redfern } aged  
 Constance Redfern } 11½ years

2) They were never alike either  
 in body or mind

3) The external influences  
 have been identical they  
 have never been separated  
 and the daily increasing  
 dissimilarity I ascribe to  
 the fact that Edith developed  
 the outward mother and



mental qualities of her  
 grandfather (my father)  
 and Constance the  
 outward make and  
 inward capacity of her  
 grandmother (my mother)  
 neither of them being like  
 my wife

7. Five aunts and  
 one uncle. None.

8. Four aunts none

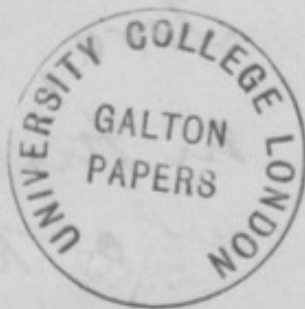
9. The one uncle unmarried

10. Four children respectively  
 Two, three, and six;  
 in the case of the aunts  
 who had six children

has one Case of Tricus  
11. none  
12. none

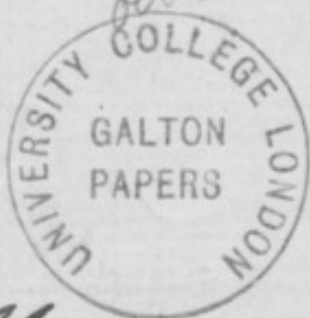
I am &c Sir  
Yours faith<sup>ly</sup>.  
W. Redfern

To  
Francis Galton Esq  
London.



(Sanders)

f. 26r



Handsworth

Dec 3 / 11 / 44 -

Sir,

Having received your  
papers of questions relative  
to the resemblance  
structure & of Iridis, and  
being assured that all  
communications will be  
held strictly private; I  
am with to reply as far  
as it is in my power, and  
shall be happy if I can  
be of any service to you.

My sisters & I are twins our  
names are

1. Bertha & Katherine  
Sander. Born the 8<sup>th</sup> of  
June 1843 - at Boely - County  
of Worcester

2. We were never in the  
least degree alike, Kate  
is the elder by  $\frac{1}{2}$  an hour  
& is much the smaller of  
the two, being only 4 ft 10 in  
height, whilst Bertha is 5 ft  
7 in - and rather large



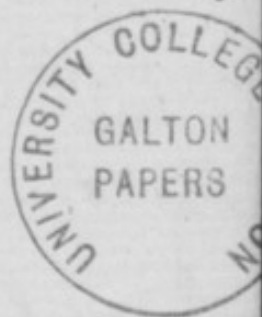
boned, she is fair with blue eyes & small features, as a child was extremely robust & strong but had Typhus Fever when about 16 years old & has always been delicate since, she is fond of work and all house hold occupations, amiable & sweet-tempered.

She is small with dark grey eyes & dark brown hair, as a child extremely delicate but after Typhus Fever <sup>at 16</sup> her constitution was completely.

f. 27v

altered & she is now in  
very good health, she is fond  
of Books & especially of the  
study of languages, not  
fond of house-keeping or  
needle-work of any kind.  
A very strong affection subsists  
between the two sisters.

---



Hereditary

On the Father's side, there  
were 21 children, of whom  
I lived to grow up, viz  
3 Brothers & three sisters  
There were in this family  
no twins.

8 On the Mother's side were  
3 Uncles & 3 Aunts.

No twins in this family.

9 Two Uncles married on the  
Father's

The Rev<sup>d</sup> Thos Sanders, Vicar  
of Moulton near Northampton  
has had 9 children of whom  
7 are living of these there  
were a son & daughter twins  
the latter died a few hours  
after birth.



The Rev<sup>nd</sup> Wm Sanders former  
Rector of Watford near Nilsby  
Rugby, dead. Had 1 son  
& 5 daughters no twins.

10 Two Aunts married on the  
father's side, neither of them  
ever had any family.

11 Two married Uncles on  
the mother's side

Richard Jabet, of Liverpool  
had one daughter who died  
at 6 <sup>months</sup> years of age.

Phot. Janet of Birmingham  
 had 9 children of whom  
 only four <sup>3 boys & 1 girl</sup> lived to any age  
 & of these one girl died at  
 13 & a boy at 5. no twins

12 One Aunt married on  
 her Mother's side, never had  
 any children

13. Mrs G. Bright  
 Heathcliffe  
 Clifton Down  
 Bristol.

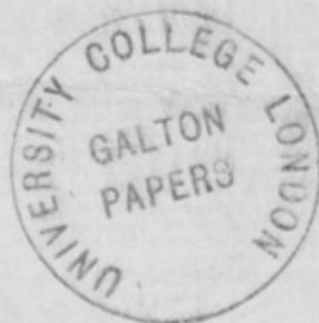


This lady has two  
daughters & I think she  
would reply to your questions

Yours respectfully

J. L. Sanders.

K



Sanders

f. 30c

Handsworth

January 4<sup>th</sup> / 45.

Sir

To the best of my  
ability I will endeavour  
to furnish you with the  
information you  
require;



I should say my sister's  
& my own characters are  
diametrically opposed  
& have been utterly  
& differently from our birth.

Bertha is not studious,  
 not fond of any kind of  
 learning, but with a  
 very considerable share  
 of natural wit, <sup>she draws & paints well</sup> says  
 I do neither  
 comical & witty things but  
 is never sarcastic, a very  
 good companion, very  
 amiable, quick to see &  
 supply the wants of others;  
 a bold & almost hoydenish  
 girl, she is become a timid  
 & yielding woman, she  
 is very affectionate &

needs the strength & support  
 of a character stronger than her  
 own, very unself-reliant,  
 generally gay & light hearted,  
 she becomes very depressed  
 under even a slight illness,  
 feels the loss of a friend &  
 the sorrows of other most  
 acutely, if is full of a simple  
 & reliance faith as to religious  
 matters; a faith which has  
 never wavered never questioned.

---

I am physically smaller  
 & weaker than my sister; as  
 a child, very timid, not  
 fond of play, always reading.

F. 31v

learning was, I may say,  
never the least trouble to  
me as long as it required  
only the mind, all kinds  
of mechanical work were  
exceedingly distasteful to  
me; I am not naturally  
musical, but by perseverance  
am now a good musician  
my sister with a natural talent  
for music, has never conquered  
the rudiments & does not  
play at all; as the child I  
was dreadfully passionate,  
but always ready to acknowledge  
my fault; even now I  
am quick-tempered, though  
I am seldom overcome;



from my <sup>Sandy</sup> 17<sup>th</sup> year I F. 32r  
have fought my own way  
in the world, and am I  
very very very self-reliant,  
possessed of a great share  
of presence of mind, equal  
to any emergency, but  
feeling things much when  
the excitement is passed;  
my sisters of whom there  
are two, rely completely  
upon me in all business  
matters; I am I know  
very sarcastic, but feeling  
this a dangerous gift for  
a woman, have never  
since I grew up allowed  
myself to indulge in it;

I am exceedingly fond  
of & possess considerable  
talent for imparting  
instruction; I am  
capable of strong affection  
but I am undemonstrative  
& my affection not easily  
to be won; matters of faith  
are not so easy to me as  
to my sister, many questions  
have perplexed me &  
many are still unanswered  
Pray do not think me  
an egotist, I never  
wrote so much of myself

in my life, but you asked  
me to do so -

I should say I have an  
indomitable will; when  
ten years of age I resolved I  
would go to Germany & study  
the language of that country  
& although I had no opportunity  
of fulfilling my determination  
I never relinquished it, &  
at the age of 26, entirely thro'  
my own exertions, I was  
enabled to go there for a  
year -

I shall see Mr. Bright

in a few days & will

ask her to reply to your  
questions—

I remain

yours respectfully  
Hale Sanders.



107. Florence Small }  
Evan Wm Small }

f. 35r

2 } Not alike. Educated to -  
3 }  
4 }  
5 }  
6 }  
}  
}  
} their mother until  
} their teens, being very  
} delicate children.

7 - ~~Four~~ Three + one <sup>other</sup> brother of  
the father died in infancy.  
No twins.

8 - Three - No twins.

9 - One - Seven children. No twins.

10 - One - Two do - No twins.

11 - One, only recently married.

12 - None.



over



13. - Joseph Elsey, Waverley St. Hottel  
twin brother ~~last~~ very much  
alike, now getting old.

- Wm Baker, Carrington St.  
Hottel }  
twin sister. Middle age.

- John & Joseph Remals  
Leuton, W. Hottel.

- Mrs Rupert Baldwin.  
has twin children.  
Carrington, W. Hottel.

<sup>Small</sup>  
1 Mac Ivor Tennel  
Nov. 13 75

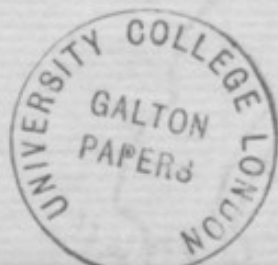
Dr. Dr. Dr.

I regret to have  
overlooked so long your  
Circular addressed to my  
wife. The accompanying  
replies are I think about  
as correct as we can give  
them.

Yours truly

W. Small

F. Galton Esq





(Stokes)

f. 36r

Rowden Hill,  
Chippenham.

29<sup>th</sup> Dec 1874

Sr.

I enclose replies to your  
printed Questions on the  
subject of Twins - and trust  
you will meet with a ready  
response to your enquiries in  
other quarters -

So far as my experience goes  
it is but rarely that Twins resemble  
each other - one of our principal  
Landed Proprietors in this neighbourhood  
(Sir John Deild Bart.) has a son  
and Daughter ~~both~~ twins and  
now nearly 30 years of age - there

is no resemblance in appearance  
 character or habits in that case—  
 and the instance of Mr Edgewood's  
 two Daughters mentioned in the  
 enclosed Answers is the only case  
 of strong personal resemblance that  
 I know of. I know nothing as  
 to their mental characteristics—

I should not like Mr John Reel  
 to know that I had mentioned  
 his name on this subject—and  
 I think he would not trouble  
 himself to write about it.

Yours faithfully  
 F. Galton Esq D.R.S. D. J. Stokes.

# Mr Galton's Questions about Twins.

Replies to numbers in printed Questions

1. I have two Daughters twins - now aged 15 years and 5 months - named Emily and Amelia.
2. They are not alike either in body or mind - and have never been so - The earliest born (there being 15 minutes difference in period of birth) has always been the strongest in body; taller, healthier, and feeds better - The younger is of nervous sanguine temperament, more susceptible of variations of temperature - quicker in intelligence, and holds a gentle sway over her stronger sister. The elder is taller than the other by about 4 inches, fairer complexion - and of a more yielding disposition: willingly submitting to the other.

[Nos 3. 4. 5. 6 not to be answered]

## Heredity.

### Uncles & aunts

7. Two uncles on Father's side - no aunts - no twins.
8. Two uncles and one aunt on mother's side, no twins.

### Cousins

9. Both uncles on the Father's side married - 6 + 7 children respectively - no twins.
10. No aunts on Father's side -



11. Two married uncles on the Mother's side - one uncle now dead had one Child - the other (living) has 3 Children I believe - no twins -

12. One married Aunt on the Mother's side - 10 Children no twins.

Rowden Hill,  
Chippenham.

13. Without expressing a decided opinion as to the birth of twins, it is rather remarkable that Chippenham where my twin Children were born (I am a native of Warwickshire) has a more than ordinary number of twins in the population - A deceased medical friend Dr. W. H. Colborne mentioned this to me when I first settled here 15 years ago - and he remarked <sup>also</sup> that the birth of twins was not so likely to make a permanent addition to the population ~~than~~ as single births increased it - probably owing to division of sustenance before birth and the difficulty of nursing amongst the lower classes.

Without naming persons of the latter class in Chippenham who have had twins in their families, I may mention that Mr George Edgcombe of Keynsham near Bath formerly resided at Chippenham & during his residence there Mr. E. had twin Daughters so much alike that they could scarcely be distinguished apart - both are grown up.

I believe Mr Justly Audry of Melksham Solicitor is one of twins - his twin Brother Mr Peter Audry of Chippenham now dead had twins born to him on 2 occasions - I have no authority for mentioning these Gentlemen's names as likely to give information.

56 Chancery Lane (White) m.c. f. 39

Dec. 29 / 74

Sir

Having had 2 sisters  
who were twins, I send you  
the particulars concerning them  
you ask for - I may add  
that neither of them ~~were~~ ever  
~~delivered~~ bore twins -

I have the honor to be

Sir

Your obed<sup>t</sup> serv<sup>t</sup>

Arthur S. White M.D. &c

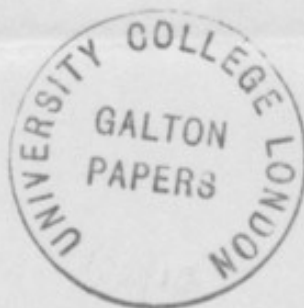


To Francis Galton Esq

Answers to questions put by J. Galton F.R.S.

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1. Augusta Philippa Tritton (née White)  
Olivia Sophia Ward (née White)
2. very little alike either in body or  
mind - one being very dark, the  
other very fair -
7. 1. Uncle & 2 aunts - none twins
8. none -
9. 1, who had 13 children none twins
10. 2, who neither bore children -
11. none
12. none -



F. 41r

(Wynyard)

Bursley  
Winchester Feb 13. 1875

Sir  
In answer to your ques-  
tion about twins I reply  
with regard to my two young-  
est children born June  
5. 1866. I am your sincerely  
& respectfully

I am, Yours truly, Wynyard  
~~Wynyard~~

Now Mary Wynyard

2. Very dissimilar in  
body and mind. My the  
finest ~~XXXX~~ of my six chil-  
dren: always healthy.  
Yours

fine appetite & when she  
suffering but little & having  
all infantile diseases in  
a mild form. None on the  
contrary with difficulty  
made to breathe at her birth,  
kept alive for the first week  
of her life by brandy. a very  
smile child of her age - had  
teeth and always suffering  
much from infantile dis-  
=orders - very fair skin  
eyes fair hair large, like  
her father; very dark dark  
eyes than any other children



a sister and dark hair  
like her mother. In mind  
very quiet retiring and  
slow but sure. More quick  
vivacious forward - very  
slow at learning yet re-  
-turning what she learns.  
More acquiring quickly  
and forgetting soon. Very  
good tempered but dis-  
-posed to be sulky when pro-  
-voked More quick tem-  
-pered & choleric but quickly  
forgetting & forgiving. Very  
-very would say, to look at

them together from their size  
 General appearance, that  
 Amy was 18 months or two  
 years older than Mary

4. They have been educa-  
 ted together & never separated

5. 7. On the Father's side  
 one uncle & 3 aunts no  
 twins among them

8. On Mother's side  
 4 Uncles and four aunts  
 no twins among them

9. None

10. 3 Married Aunts  
 on Father's side These Aunts  
 have

Wynyard

f. 43r.

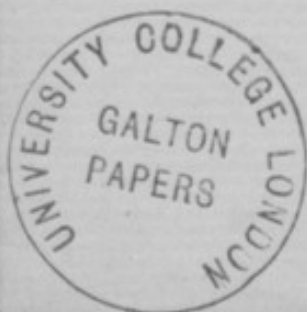
2

2/ I have had one & another  
6 children; No twins —

11. They had 4 married  
uncles on the mother's  
side one had two children  
another five, another three,  
and another four. No twins  
among these children

12. They had two suc-  
- ceed Aunts on their mother's  
side: one had three children  
the other six & no twins —

13 Mrs Bingham  
care of Col Bingham  
Dorchester.



John P. Mansel Pleydell Esq  
 Longthorpe  
 Dorchester

Lt Col. George Mansel  
 Sandown  
 Cowes Castle  
 Dorset

The above are twins

J. E. Gibson Esq  
 Cowes

J. of Wight  
 Father of two or 3 sets of twins

Sir Wm Heathcote Bart  
 Hurley

P.C

Winchester

Father of twins -

The above is of course all  
from you in the strictest  
confidence

Yours &c

Wm W. Guyard

Francis Fulton Esq

42 Rutland Gate