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Text in square brackets may indicate the following:

- Misspellings, with the correct spelling in square brackets preceded by an asterisk
rendersveu*[rendezvous]
- Tags for types of content [newspaper cutting]
- Spelled out abbreviations or short form words F[ield[. Nat[uralists]

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3 31st Oct[ober] [18]84 Edgar R Waite Headingley n[ea]r. Leeds ____
Edgar R. Waite [1]

- 2 Mar[ch] [18]85 - Halle's Musical Library Section C No 12 - Mayer " " 13 Steibelt [3]

2 Mar[ch] 1885 Received from Edgar R Waite the sum of One Pound &[and] five shillings for one quarter's tuition of a course of ten lessons - Â£[pound]1-5-0 [signature] [4]

Cost of Making Egg Cabinet 4th. Mar[ch] 1885.- Wood (sides - partition top &[and] bottom of cabinet- wood for 20 draws*[drawers] cut &[and] grooved. pitch pine bottoms of same 6 - [six pounds] 6th. Mar[ch] 1885 - 1 ounce 3/4 in[ch] Gimp pins fine. 3 [three shillings] 9th. Mar[ch] 1885 - Grinding plane irons &[and] chisel 6 [six shillings] Jan:86 Rhodes putting back to Cabinet 2 <2> [two pounds] 12/2/86 2 doz[en] knobs. Drawer. 2 - [two pounds] [6]

2 1 Heron Bucklow 12/2/84 . " " " Darbyshires. 8/9/85 . Lapwing " 25/3/84 . Oyst[er]
Cat[cher] Bucklow. Br[own?] Owl " 2/9/95 . Kestrel " 7/3/84 . S[parrow?]Hawk. " " Darby.'s 3
Gull. W M Collier 28/9/85 " Birkinshaw 3/10/85 H[ooded?] Crow Wardman 2/4/84 . "
Birkinshaw 12/11/85 . C[orn] Crake. " 8/9/85 . Magpie Bucklow Dipper " 5&12&27/2/84 .
W[ater?] Hen " 5/2/84 [7]

2 Squir[rels] " 27/2/84. Swallow Wales 9/84. Curlew. Bucklow. 19/9/85. Shrew. GW. 2/12/83.
This I record because it was the first animal I tried to stuff. Merlin from Mr Bucklow 23
Jan[uary] ,86. Snow Buntings Feb[ruary] 27 84. Bucklow<?>. [8]

The Robin (Burns) Ilk happing bird, wee, helpless thing. That in the merry months of spring
Delighted me to hear thee sing, What comes o' thee? Whare wilt thou cow'r thy chattering
wing An' close thy e'e? ===== [10]

Index Clocks &c[et cetera]. -9-10-11 -Cello.12 Photography Cost of &c[et cetera] 58-9 60-1 "
Developing - 23+4 " Names of Wax W[or]ks. 50+49 " Amt realised . 48. " Size of Plates -38
Calendar. 51-6 Drill &[and] Shooting 47 - Reptiles 51 Dancing Music Lessons - 62-3-0- Mice.
56+7.-13 Book. Bt[?bought]. 57-56 Egg Cabinet -1- [12]

5 21st July 85 Huntly No 1 1/4 " 2 1/4 " 3 5/4 Castle No 2 S. 20 Secs-S 4 5/4 Bridge " 15 " "
5 5/4 Meting Water 3S 15 " " 6 5/4 Ver[?nun] Tower 1S 10 " " 7 1/4 8 1/4 Nos 3 4 5 6
exp[osed] on the 21st O[?ctober].Ex 22/7/85 No 3 1/2 Ver[?nun] Tower 6S No S No 1 1/4 "
8" " No 4 1/2 Old Castle 6" " No 1+3 Light on to plate Foy[?]d. 4 Very Fair 22nd. [13]

23rd July No 3 1/2 Group. 3 Secs 1st No S. " 4 " " 5 " 1st " < " 1 1/4 " 4 " 1st "> " 7 1/4 Aunt 3 " 1st " " 8 1/4 Uncle 3 " 1st " No 3 &[and] 7 good 4 &[and] 8 poor 24 July 85 1 1/4 Rothiemay Bdg[?buiding?bridge] 1 Sec 1st Sun 2 1/4 View on Deveron 1 1/2 " 1st " 25 July 85 3 1/2 Mr. Bucklow's Ho[use] 1 sec 1st NoS 4 1/2 " Dogs 2 " " 7 1/4 " Uncle 2 " " [14]

6 1 1/4 Baby 2 Secs (1) No S 2 " Herb. Mary " " " 7 " Art &[and] Ernst " " " 8 " Ron Will " " " 3 1/2 Baby 2 Secs " " 4 " Cooksleys 1 " " 5 [?]/5/4 " 1 1/2 " " 6 " " 2 " " 26 Sep[tember] 85 Stop 1 1/2 Crimble Viaduct dull 1. 4 Secs 2 " " " " 1. 5 " 3 " " " 1 12 " 4 " 5 " 6 " 7 " 8 " [15]

40 the Flint of the district several specimens were exhibited. List of the Birds &c[et cetera] which I intend to exhibit a[t] the Con versationa.- British Skins Kestrel Merlin Male &[and] Fem[ale] Brown Owl, Greenfinch Redbreast, Great Tit, Yellow- -ammer*[hammer]- Sapland Bunting Male &[and] Fe[male] Hooded Crow. Water Hen - Male &[and] Female. Landrail Oyster Catcher. Lapwing Curlew . Herring Gull Swallow - Stuffed, Starling Dipper, Young rat. Shrew- [20]

Gravity Clock (?Going) ----- Wheels. - 120-90-96 teeth Pinions 10-9-8 teeth for 1 1/4 Secs. pendulum for 1 1/2 " " the last wheel and pinion are 90 &[and] 9 The hour pinion has 40 teeth in all cases Striking wheels 9[upside-down] [21]

Marine Chronometers go for 56 hours ----- Gt Wheel - Centre - 3 - 4- Escape Wheel 90 - 90 - 80-80- 15 Pinion - 14 - 12-10- 10 _____
Common Clock Gt Wheel 100 teeth 1 Minute " 60 " 2 { Pinion - 8 " 1 Central " 60 " 3 { Pinion - 8 " 2 Escape " 30 " 4 { Pinion - 8 " 3 Pallets - 4 [22]

Watch Trains In the best wathes*[watches] with what are known as high numbered movements, the train used is as follows. Gt Whl Centre 3rd 4th Esc[ape] Wheel 84 80 75 72 15 Pinion 12 10 10 8 The large majority of English watches have the following train Wheel 75 64 60 63 15 Pinion 10 8 8 7 Watches of Inferior kind Wheel 84 64 60 63 15 Pinion 12 8 8 7 From Watch &[and] Clockmaking by David Glasgow 01 [23]

Take case one in which centre wheel has 80 teeth the third 75 with a pinion of 10 &[and] the fourth has 72 with a pinion of 10 and the escape wheel pinion with 8. Then $75 \times 72 \times 10 \times 8 = 54000$ the escape wheel turns 540 times to the centre wheel once and this number x by twice the number of teeth in the escape wheel will give the number of escapement beats in the hour $540 \times (15 \times 2) = 16200$ [24]

Clock Train Going - with seconds pendulum Main Centre Third Escape Wheel 96 64 60 30 Pinion 8 8 8 Striking Main Pin Wh[ee]l 3rd 4th Fly Wheel 84 64 56 50 - Pinion 8 8 7 7 The above is in common use Going with 1/2 second Pendulum Main Centre 3rd Escape Wheel 96 84 80 30 Pinion - 8 8 7 Striking Main Pin Wh[ee]l 3rd 4th Fly Wheel 84 64 56 50 - Pinion - 8 8 7 7 [25]

In case one, the relative speed of the train is as follows. G[reat]t Wheel Centre 3rd 4th
Esc[ape] 1/7 1 8 60 540 [26]

13 May 1885. I Bought a Cello from Wade in - Upperhead Row for Â£2.10.0 [two pounds ten shillings] and a bow 5/-[five shillings] als*[also] a Violincello Tutor from Syke's Albion St[reet]. 1/6 [one shilling and sixpence] - 9 Jan[uary] 86. I sold the Cello * to W.C. Atkinson for Â£4 [four pounds] he promised to pay me in May next. * &[and] Bow &[and] Tutor - 1[?] [27]

[three drawings] Swans Duthie Park Aberdeen 19/7/85 [28]

[Pencil/?crayon sketch of rural scene] dated 19/7/85 [29] 13[upside-down on right-hand side of page]

Mice - 1855 <May 9>, F+[and]W. B-W.D. 12 July 6 prod[?uced] - 1 dead 1 died Jno[John] [?T]Birkins has May 21. F+[and]W B-GD Nov[ember]12.85. Hooded Crow sent from Castleford- by* [?K]endalls Friend total lenght 17 inch Exp[ansion] of wings 32 "[inches] This letter inside lid of box - Dear Sir would you Kindly stuff me a wood Pigeon for a decoy Bird if you will I will shoot one &[and] send it Yours truly Jno[John] [?T] Birkins [?] stamp([?P]eckfield [30]

17 July Holidays 1885 Left Leeds 3-40 Pm - arrived at Hull. 5.55 - Took a cab which brought me on board at 6.20 - I went out and got some tea &[and] came back at 7Pm We began to move at 7.20 but did not get out of dock until 9 30 owing to the number of vessels going in &[and] out which we had to steer between &[and] also we had to wait for the tide. after parading about deck I turned in at 10.30 and 22 [upside down] [47]

Tower &[and] spoiled them Thursday. I and all the boys went to bathe in the Deveron until Dinner time, we saw a weasle*[weasel] run across the road &[and] I picked up a rook's skull we did very little in the Aftern[oon]. but after tea I took photos of the family in a group &[and] a<s> separ -ate photo each of Uncle &[and] Aunt After this we all went to nearly the top of the Clash Mach*[Clashmach] &[and] to bed continued on page 24- 14 [written upside down] [31]

beat a speedy retreat to the water we had a "go" at him and dislodged him but he got into some hole or other &[and] we could not again make him move this day I also saw a heron After dinner we went to the Bowling green &[and] watched a match played between Elgin &[and] Huntly the latter winning After tea I took 3 photos 2 of the Vermin[?] Tower &[and] one of the Old Castle but light got into both the plates of the vermin[?] [32]

15 bank about 6 yards from the water I was rather surprised to see a long brown stick rapidly advancing towards them I found that it was a polecat one of the birds left the other one when it was joined by a third these two now became aggressors evidently*[evidently] bent on helping their friend I should very much have liked to see the result but unfortunately the polecat saw us &[and] [33]

Wednesday 22nd. I had a long walk this morning with Mr Gurnell whom I find is a Botanist &[and] Geologist - Uncle Ronny &[and] Willie we went to <an old> Kinnoir Church (burial ground) &[and] saw several gravestones bearing the Skull &[and] Cross bones &[and] the hour glass &c[et cetera] we returned home by the side of the Deveron &[and] saw several large eels at the bottom The next thing I saw was two Sandpipers who were on the river [34]

16 there were some black rats there of course of*[?] I should like to see them. although I fancied that they must be voles they did not however favour us with a view that evening. we came back by the Lawn Tennis &[and] Bowls green - &[and] watched them play a little I had a ride on Mr Gurnell's tricycle*[tricycle] which I can ride every well It is a Singer's Traveller I forgot to write I saw a squirrel this afternoon [35]

old castle then the bridge over the Deveron - the meeting of the waters of the Deveron &[and] Bogie &[and] lastly of the vermin tower - upon developing I found they were all over exposed - in the afternoon I sat in the garden under the trees as the sun was very hot - after tea Uncle &[and] I went up the Clash Mach*[Clashmach] a hill about feet high on coming down we went to the brewery because Uncle said that [36]

17 permission to use his dark room. We then visited the vermin tower - attached to Huntly Lodge - where are nailed up thro'[through] the scull*[skull]- Rooks Magpies, Kestrels Sparrow Hawks Weasels Stoats Polecats though a great majority of them are indistinguishable owing to nothing but the Skeleton remaining. Tuesday in the morning I took out the camera &[and] first took a view of the [37]

arrived at Huntly about 9 where I was met by Uncle - we then went to his house &[and] had breakfast &[and] afterwards I was in- troduced <the> to his youngsters in the garden Uncle &[and] I had a nice walk round the village &[and] I saw some dippers &[and] Oyster Catchers along the side of the river in the afternoon we went to see a cricket Match between Banff &[and] Huntly in the evening we called on Mr Penny &[and] he kindly gave me [38]

18 rapid sketch (page 13) I called at a small refreshment Room &[and] got something to eat I then went back to Aberdeen to the Douglas &[and] had a wash &[and] dress[?ed] &[and] came down into the smoke room where I now am 3.45pm at 5 O'Clock I had dinner in the Coffee room with some London Nobs. I then had a walk round the town &[and] went to bed at 8.15 &[and] slept until Boots called me at 6. am. on Monday. the 20th a 7. I left Aberdeen &[and] [39]

was just be played at one of the barracks near. at 6.30 am a porter took my trap to the Douglas Hotel where I engaged a bed for the night (Sunday) wrote to Mother & Uncle & then walked on to the Bridge of Dee & sat down on this stone in the river to write my Diary a beautiful morning 8 am I now went back to Aberdeen & from thence to the Brig- O'Don of which I made [40]

19 a mile from it as soon as the <steam> engine was stopped the water got hold of the boat & made her roll still more. I went to bed about 10.20 & slept until 4-15 am when we were just entering dock. I found that the rough water had made a few of the passengers sick but it had not affected me at all. We landed at 5.30 am A Revellie*[Reveille] [41]

I had soup - Leek Potatoes & vegetable - & Rhubarb Tart At 2 o'clock we drew in the log & found that we had travelled 83 1/4 miles since 6 o'clock in the morning. as soon as we reached Fife Ness the water began to roll & so continued until we landed - we sighted the Aberdeen light at 9.55 Pm. there are two lights in this tower one above the other & we lay all night about [42]

[drawing of sailor at ship's wheel] [43] 20 [written upside down]

our ship (about 15 feet) he said 30 miles and therefore the horizon was about 15 miles off at 8 o'clock we went into breakfast & I had ham & eggs & tea & I enjoyed it very much - It now came on to rain so we went into the Forecastle & stayed there until 9-45 when it again cleared up but soon after the rain came & never cleared again that day. for dinner [44]

so I had a chat with him - we first talked about time & he said that 1 degree of longitude equalled 4 minutes and 13 miles = 1 minute we next saw the royals of a large ship & gradually the whole vessel<s> appeared the Captain said with regard to the horizon that we were all the centre of our own circle I asked him what was the diameter of the circle on a smooth sea & from the height of 1[?6] [45]

slept very well considering the racket*[racket]. I got up at 3 30 &[and] went on the deck &[and] the sun was just rising The mate said there was not often a chance of seeing the sun rise so beautifully as it did this morning - it came on to rain &[and] the sun was obscured so I went into the saloon about 1/2 an hour afterwards it cleared up &[and] I again went on deck the captain was up by this time [46]

Alexander Piere Captain Alex Linklater Tonnage 400- ----- 1. Ronald Frederick Waite 2 William Graham " 3 Ernest Moye " 4 Arthur Stanley " 5 Herbert St John " 6 Mary Sarah " 7 Percy ? " ----- (1) 19th Oct[ober] - 1872 - (2) 5th Feb[ruary] [18]73 (3) 25th Sep[tember] -[18]74 (4) 1 " [18]76 (5) [18]77 (6) [18]79 (7) 1 April/[18]83 [48]

<17/7/[18]85 Costs of <Holidays 1885> <Tram Fare Head[ingle]y to Leeds -2> <Did Loz 4d[pence] Cos Pills 4d[pence] -8> <Fare Leeds to Hull 4-3> <Cab<e> Fare to the dock 1-0> <Fare Hull to Aberdeen 15-0> <Tea at Hull -6> <Meals on Board 6-6> <Steward 1-0> <Porter to Douglas Hotel -10> <Three Buns Don Bridge 3> <Douglas Hotel Expenses 9-0> <Fare Aberdeen to Huntly 3-5> <Boys 5/- Mr Penny 2/6 7-6> <Fare Huntley to Aberdeen 3-5> <"[ditto] Aberdeen Edinb[o]ro[ugh] 9-8> <"[ditto] Edinb[o]ro[ugh] to Leeds 17-0> 23 [49]

&[and] finish development 4. If over exposed it will flash out on the appli- cation of the 5 drops- then add 2 drops of Potass[ium]-Brom[ide] &[and] finish development without adding the further 15 drops Amm[onium] Brom[ide] Sol[utio]n Strong Ammonia 1 oz[ounce] Brom[ide] potash 90grs - 1Â½ dr[am]s Water - 2 oz[ounce] _____ Over-exposed neg[ative]s can be easily reduced as above but under exposed neg[ative]s cannot be so easily righted â`[therefore] err on the side of over . exp[osu]re

Wralten's Formula Mr. Scorahs's Developer. 1. Put the exposed plate into water. 2 Use 3 gr[ain]s. Dry Pyro[gallol] to 1 oz[ounce] water &[and] pour over plate. while this is soaking in, pour into empty measure 5 drops of Amm[onium] Bromide Sol[utio]n. and pour Pyro[gallol] Sol[utio]n. into it &[and] return ... to plate 3. If image appears slowly &[and] shews full details in Â½ minute it is rightly exposed. Then add other 15 drops of Amm[onium] Bromide 24 [51]

Friday July 24 In the morning I went to the Photographers developed &[and] changed my plates &[and] got ready the fishing tackle for the afternoon when Uncle Ronald &[and] I took the train to Rothiemay - I took a photo of the Bridge - The day was too bright for trout fishing but Ronny &[and] I managed to secured*[secure] 4 eels from 1 foot to 18 inches long After tea I had a swim in the bogie about 8 [52]

feet of water later. I &[and] the 3 eldest boys went to the Old Castle to try &[and] catch some bats but we could not get the keys but we saw the bats flying about Saturday 25. I &[and] Uncle drove to Glendronach to Mr. Bucklow's House (it is distant about 9 miles) where we had dinner we then went to a place on the Deveron where large salmon are often taken out but the fish 25 [53]

would not take owing to there being so little water in the riverâ€»[reference mark]. We saw a heron &[and] a black rabbit â€»[reference mark] We only caught a few smelt which we threw back again -. I took 3 photos one of Mr. Bu[cklow]'s House - another of himself &[and] dogs &[and] a third of Uncle &[and] he - he keeps 4 dogs. 5 or 6 Ferrets. ducks, hens Belgian hares, A pair of Golden Pheasants &[and] a pair of partridges. he was very kind &[and] said [54]

that if I wanted any bird or animal, he would get me it if it was to be had. After fishing we came back to the "Glen" &[and] had tea &[and] then drove home again - the distant*[distance] we walked from the Glen to fish &[and] back again was about 8 miles. We arrived at Huntly about 10-30 Pm Sunday 26. I went to the Congregational Church with Uncle Aunt &[and] the boys in the morning 26 [55]

&[and] went to sleep in the afternoon &[and] after tea we went for a long walk &[and] the*[then] went to bed having passed a very quiet day Monday 27. Uncle &[and] I left Huntly by train at 9 am &[and] arrived a*[at] Keith from thence we rebooked to Fochabers - we next took a 6d[pence] bus into the town &[and] saw a woman washing clothes with her feet in a tub &[and] then drove in a trap to the spey*[Spey] a distance of 4½ miles - Uncle fished the river nearly down to the sea but caught nothing worth mentioning [56]

27 it was then about 3-30 so we packed up &[and] made for the sea we there found that nets were stretched across the river &[and] for ½ a mile out to sea so that we had not much chance of getting any fish up the river we next went to the fish House of the Duke of Richmond where they were bringing in Salmon &[and] Sea Trout by cart loads - we walked along the coast through Port Gordon &[and] on to Buckie a distance of 5 miles [57]

we went to the Commercial Hotel &[and] had a cup of tea we saw a great variety of Sea birds on the spey*[Spey] - Oyster Catchers, Gulls Terns &c[et cetera] the last named often caught small fish and were then often chased by the other birds - Buckie is the dirtiest place I ever saw. I mean as regards the place &[and] the habits of the people. I will not write all I saw there. We next took the Highland Railway to Keith &[and] there changed to [58]

28 the G[reat] N[orth] of Scotland line which brought us on to Huntly about 9<30>Pm the carriages of the H[ighland] R[ailway] are just like Cattle trucks the compartments being only shoulder high so that we could see from one end of the carriage to the other. The day was magnificent &[and] we saw some big hills on our way viz[videlicet = namely] The Knock 1409 <[?]> The Ballock Muldeary*[Muldearie] Ben Eighan*[Aigan], Ben Rinnes <Cullen Bin n[ea]r Lord [?]> Binn of Cullen 1050 [59]

Tuesday 28. After Breakfast I &[and] the boys went to the Deveron &[and] had a bathe but did not get back till 2 when we had dinner after which we went over the Old Castle having got the keys. After tea Uncle &[and] I did a little gardening &[and] we saw an owl flying &[and] although it passed within a few yards of us we could not hear it. Wednesday. At 9 am Uncle Mr. Gurnell &[and] I went to Glass where a Horse &[and] Cattle Market is held [60]

29 we got into a wagonette which was going the distance is about 8 miles. When we got there Uncle did his business with regard to all the tent holder <which> who were selling Beer and spirits - having licenses he found all square we there saw a buxom dame riding astride of a large horse &[and] there were a good many jokes cracked thereat. We walked <home> back partly by the road &[and] partly by the river side &[and] saw 2 curlews; &[and] when [61]

about ½ way home we had got so tired owing to the blazing sun that we took off boots and stockings &[and] had a dabble in the river. we got home about 5 o'clock &[and] after tea I took some photos of the Children &[and] then went with Uncle to the Station to obtain some information with regard to the train service to Aberdeen - We then went to Mrs. Robinson's house <to> where we were joined by Aunt &[and] the "two eldest" [62]

Exposures. 1885 pl[ate]. kind. light. Ex[posure]. Lens. Subject. Ap[erture]. Result $\hat{A}\frac{1}{2}$
RH3,S.S. . 2s Y J.Waite | Full | F.T. | [symbol] $\hat{A}\frac{1}{2}$ " " " " E.R. Waite. | " | " | " $\hat{A}\frac{1}{2}$ " " " " Wm
Waite | " | " | " $\hat{A}\frac{1}{2}$ " D 5s V E.R. Waite | Flor | F | " $\hat{A}\frac{1}{2}$ " B 5s " T.H. Anderson| Six | G | " $\hat{A}\frac{1}{2}$
" B 6s " T.E. Granger | " | " | " $\hat{A}\frac{1}{2}$ " D 8s " A. Crosfield | Flor | " | " $\hat{A}\frac{1}{2}$ " " 10s " Wm Waite | " |
"T | " $\hat{A}\frac{1}{4}$ D " 5s " J.Waite | " | VG | " $\hat{A}\frac{1}{4}$ " " 6s " E.R. Waite | " | " | " $\hat{A}\frac{1}{2}$ R&B M 10s " Miss
Cotlain | Six | F.T | " $\hat{A}\frac{1}{4}$ R. Room 20s M&Cam Cora | full | Ex | " $\hat{A}\frac{1}{4}$ " " " " Mrs W from
Portrait|" | G | " $\hat{A}\frac{1}{4}$ " Dusk 40 " Miss. T. | " | E | " | | | | | 30 [63]

Mr. R[obinson] is over 80 years of age &[and] is quite blind the object of our visit was to have some music - Staying at present for the purpose of education as the young Cooksleys their parents are in the transvaal &[and] their children have only just come over a month ago they gave me an Ostrich egg also the seeds of the Cream of Tartar plant &[and] Mahogany tree - Thursday. In the morning the Cooksleys came to Uncles House &[and] I took their Photos [64]

31 I left Huntly at 1-23 & arrived at Aberdeen @ [at] 3-15 and left "[ditto]" at 4-40 I crossed Broughty Ferry in the "Thane of Fife" at 7-45 & then took the train to Burntisland & then crossed the Firth of Tay in the "Jno[John] Stirling" & again took the line for Edinb[o]ro[ugh] where I stayed all night at the Crown Hotel in the morning Friday I left the Hotel about 8 O'clock & went round the City 1st to Carlton*[Calton] Hill then to the Castle where I saw Mons Meg & then down to the grassmarket*[Grassmarket] & saw [65]

[diagram] a cross in the center of the street which marked the place where the gibbet used to stand - then to West Port & saw the houses of Burke & Hare - then to - Arthur's seat*[Seat]. I heard the signal gun fired at 1 O'clock but I was too late to see the ball drop on Nelson's Monument I now saw Holyrood Palace I also saw the House of Jno[John] Knox - Dr Chalmers' Church Scott's Monument &c[et cetera]&c[et cetera]&c[et cetera] I left Edinb[o]ro[urgh] at 2-35 Pm [66]

&[and] came home by Midland via Carlisle &[and] Settle &[and] when we got to Kirkstall Sta[tio]n I looked out to see if we were going to stop but we did not - in drawing in my head away flew my chummy so I was hatless I*[a] gentleman in the carriage asked me if I had far to go &[and] gave me his soft hat when about $\hat{A}\frac{1}{4}$ mile from Kirkstall Station the train began to slow up &[and] I thought it was going to 32 [67]

stop so I got my Portmanteau & jumped out I then walked back to the Station & saw one of the Porters with my hat in his hand & he gave me a gentle hint saying that he had only just saved it from going under the wheel but I took no notice of it I carried my traps home & knocked Father up it was not yet 10 but they had gone to bed. [68]

<Whit> Monday Aug[ust] 3. My holidays are at an end - but - this day gives me a little longer being bank holiday - I and Father took the train to Pool &[and] then walked thro[ugh] Leathley &[and] on to Almscliff Crag &[and] from thence to Weeton station whence we embarked at 6.5Pm M 33 [69]

' long without being drowned ' and can get no purchase ' for their claws or solid ' place from which they ' might make a spring to ' get out. When Swimming ' about they will probably ' make a noise of distress &[and] ' the other rats (for they are ' inquisitive animals) will ' come to see what is the ' matter. This is the plan adopted by the captain of ' the slave ship when he ' makes his unfortunate ' fellow - creatures "walk the plank" [70]

' they get upon the inside ' half of the board, which ' is now no longer support- ' -ted it will tip up with ' them and precipitate them ' into the barrel below. This ' done, the board if properly ' balanced, will return to ' its proper position &[and] and be ' ready for another rat. In ' this way an indefinite ' quantity of rats may be ' caught in a single night ' The barrel may be half filled ' with water, if it is desirable ' to kill the rats for they ' cannot swim about very 34 [71]

" their weight, for two or 3 " nights till they gain con- " -fidence; then on the ' night that you wish to ' catch them simply remove ' the supporters from under ' that half of the board which ' overhangs the barrel, leaving ' the supporters of that half ' of the board which is outside ' the tub still in their places ' The bait must remain in ' its place at the end over- ' hanging the tub; the rats ' <which> will come as usual ' and run along the board ' to get the bait; but directly [72]

" in the tub that it is is perfectly ' balanced like the board on ' which the boys play see-saw ' on to the end which overhangs ' the tub fasten firmly a bit ' of bacon or cheese &[and] let the ' other , the free end, rest against ' a shelf or any projection so ' that the rats can get on to ' it to eat the bacon, By means ' of a nail or two or an upright ' bit of wood, fix the swinging ' board spo that it becomes ' perfectly steady &[and] immovable ' Let the rat become accustomed ' to get upon it &[and] eat the bait ' without its being moved by 35 [73]

25/9/85 Rat. Traps From F[rancis] Buckland's Curiosities of <11> Natural History Vol[ume] 1. "The most ingenious &[and] simple ' trap I know to catch rats is made ' with a common tub or barrel ' and a little bit of board. a ' tub without a head must be ' procured. deep enough to prevent ' a rat getting out of it when he ' is once in; then cut a bit out ' of its upper edge &[and] to this fit a ' bit of board about a foot long ' and an inch or more board ' through the centre of this board ' run a bit of wire &[and] so fix it ' by its centre into the notch [74]

on the flowers of West Yorkshire. After the meeting the minutes of last week were read &[and] my name again brought before them Carried unanimously Mr. Paul Mr. Stubbins Mr. Hewitson & Mr.Branson were my chief supporters 30 Oct[ober]. The club met to night for the purpose of hearing a paper on Norway but Mr. Addyman being ill we had a paper on 36{inverted} [75] 9{in circle}

to 40<46> as a van was going to Chapeltown &[and] would take us all there, I said that I wanted to go the Headingley so I ran out after Mr Stubbins &[and] overtook him on the road the rain was teaming down &[and] we walked home arriving there at 9 O'clock. On the 16th. I was proposed a member of the Leeds Naturalists club &[and] on the 23rd I attended a paper by Mr. Ja[me]s. Abbott [76]

Photography Dr ----- 58 Brought Forw[ar]d â€ 2 | 10 | 3Â½ Sale of Group to â€ | | 3rd Sept[ember]. 85 â€ | 11 | 6 ditto to 9/9/85 â€ | 5 | 6 â€ | | â€ | | â€ | | â€ | | [inverted 37] [77]

1885. Photography Cr. ----- to 38 Brought Forw[ar]d â€ 7. | 17 | 3 11. Sep[tember]. 6. Frames @[at] 1[shilling]/- â€ | 6 | - â€ | | [78]

Sizes of Plates ----- 1/16 = 1â...œ x 1â...□ - inches 1/9 = 2Â½ x 2 "[ditto] â...™ = 3Â¼ x 2Â¾ "[ditto] Â¼ = 4Â¼ x 3Â¼ "[ditto] â...“ = 5 x 4 "[ditto] Â½ = 6Â½ x 4Â¾ "[ditto] 1/1 = 8Â½ x 6Â½ "[ditto] Extra 1/1 = 10 x 8 "[ditto] Nw units Malvern - 6Â½ x 3Â¼ Promenade 8Â¼ x 4 Boudoir 8Â½ x 5Â½ 38[inverted] [79]

6.5 3 8 ----- 2.9 ===== Edgar R. Waite Pyro[gallo] 1 oz[ounce] | 1 | 6 Potass[ium] Brom[ide] | | 2 Ammo[nium] &[and] Brom[ide] | | 4 Derby Â½ Plates 1 doz[en] | 3 | 8 Drop Bottle - small | | 9 ----- | 6. | 5 [79a]

25th May 85. ----- { 3. Bridge Green Beck 45 { 4 Boston Bridge - 40 5 { 5 Thorparch Hall - 40 { 6 "[ditto] Mills - 40 5 1 Howley - 40s[hillings] 4. 2 Crag by River - 40s[hillings] 4 3 Jackman Crag 40 No S[um] 4 4 Dam &[and] Rd Hint[?] 30s[hillings] 2 5 Flint Mills 12s[hillings] 1 6 Raywood Farm 15s[hillings] [right margin top] (No Sum) [80]

Food to be avoided by one disposed to become stout sugar potatoes beer excess of meat butter take dry toast, lean meat poultry and drunk claret plenty of walking ex<c>ercise The names of the little [19/8/85] jumping weevil which infests the strawberry plant is Orchestes Fragariae 39[inverted] [81]

To Miss F.T. on May 18th. 1885 being her 21st. birthday &[and] enclosing a few flowers. May you be happy as these flowers, And each successive year bring happier hours E R W. _____ [82]

We then went to hear the brass band &[and] we did hear it with a vengeance. We then sent the smokers up stairs, and about. 8 O'clock, I heard Mr Stubbins dog barking &[and] some one in the room said, "there goes Mr. Stubbins" I rushed out <&[and] Mr> &[and] met Mr. Paul in the corridor of whom I asked, if Mr. Stubbins had gone, he said yes but pressed me to stay folio 36 40[inverted] [83]

whence we went to the 7 Arches fishing in the low stream as we went . we then struck off across Black Moor &[and] I then heard that we were going to Shadwell Industrial School Where Mr. Paul would provide tea for us, we arrived there in due course having been joined by several members on the way 20 sat down to tea we had a splendid set out. Beef Mutton Ham Chicken &c[et cetera]. [84]

The sides of the box to be 4 inches high ----- raise the bottle above the level of the partition it was slung over the shoulder by a strap. After leaving Greys' Pond we went thro[ugh] Meanwood wood &[and] keeping along the top road we found another pond which was duly inspected - then going thro[ugh] the other wood we emerged at Scotland Mill from 41[inverted] [85]

Box round Mus. habit -- for flowers -- [diagram] [diagram] [diagram] A&[and]B gives sight meas[urement] from top C&[and]D " actual meas[urement] of bottom. [86]

was divided horizontally into 2 equal parts &[and] each part was subdiv- ided into 8 compartments each one [diagram] carrying a glass bottle with a metal top which screwed on to it - a lid then cov[ered] the front of the case he had a little difficulty in getting out a single bottle so I suggested that behind each he should have a small spring which would 42[inverted] [87]

a piece of elastic --- When a sweep [drawing] under water was made, the small objects passed into the net while the larger ones, weeds &c[et cetera], were kept out by the sieve The net was then taken off &[and] the sediment shaken into a little clean water and poured into one of the small bottles. The tin case for carrying the bottles was about 8 x 6 inches &[and] 2 inches thick, this [88]

of the Gentlemen who was collecting for his Microscope had a very neat apparatus for gathering &[and] storing his invisible objects, his net consisted of about 5 pieces of wood which could be put together like a fishing rod it was then about 8 feet long &[and] the end piece terminated in a little sieve about 3 inches across &[and] grooved so that a small cambric net could be fitted with 43[inverted] [89]

from a man, that he "had seen 5 or 6 gentlemen go past[ed] a few minutes since with some things on their backs"- so off I started & overtook them opposite Mr. Ramsdens house, fishing in Greys. Pond. I knew only two of them . viz[videlicet = namely] Mr Stubbins &[and] Mr<s> Hainsworth who had his two little boys with him Mr. Stringer's son was also, there. Among them was. An Entomologist 2 or 3 Microscopists also a few Botanists. One [90]

10 Oct[ober] 85 During the week Mr. Stubbins asked Father if I would join the Leeds Naturalists Club on Saturday for a ramble on Adel Moor. He said they met at the 3 Horse shoes. but he did not know at what time In reply to a letter Mr. Stringer told Willie that the time was 2.30 but he did not know the place of meeting. Accordingly*[Accordingly] on the 10th I turned up shortly after 2.30 but found 44[inverted] [91]

Sep[tember] 28 1885 Mr W[illia]m M Collier one of Uncle's Officers at Banff sent me 3 young herring gulls. Oct[ober] 3/[18]85. I had a gull sent from near Hull by a friend of Kendalls 29 Sep[tember] [18]85 Lewis Hackett sent me his collection of Birds Eggs. &[and] gave me a little book Outlines of Natural History 19/9/[18]85 3 Oct[ober] He gave me another book British Butterflies 21 Aug[ust] [18]85 I bought Burns works. in the Market for 5d[pence]. [92]

I have found another another insect like puce humanus only lighter in color but about the same size only not so fat with a black dot in the middle of its body I have now found another insect about â... inch long with a seemingly detached head &[and] about the color of coffee 45[inverted] [93]

The Curlew sent me by Mr. Bucklow on 19. Sep[tember] 85 measured across wings 32 inch Beak to tail 21½ "[ditto] Top of Head to tail 16½ "[ditto] Back of Head to Beak 7 "[ditto] Length of Leg 9 "[ditto] "[ditto] Beak 4½ "[ditto] Found on it flies like drawing [diagram] &[and] with suckers on their feet also a small insect not â... inch long &[and] very this I suppose will be its parasite since writing the foregoing [94]

All animals which possess two condyles on the occipital bone and possess non-nucleated red blood corpuscles suckle their young. An animal which has only one condyle on its occipital bone does not suckle its young. The feet are cleft in all animals which ruminate but not in any other. 46[inverted] [95]

The Heron sent me from Wales 8 Sep[tember] [18]85 measured across the Wings 4 feet 6 inch Beak to tail 34 inches Length of leg 15 "[ditto] Beak to Juncture with the body 19 inches Length of body 10 "[ditto] "[Length of] body &[and] tail 15 "[ditto] Beak to back of head 7 "[ditto] Length of beak 4 "[ditto] did not weigh Heron =====
Land Rail given by Kendal 8 Sep[tember] [18]85 - Length 10½ in[ches] Across Wings 13 in[ches] Leg 5½ "[ditto] <Weight Seven ounces> [96]

Drills - 1885 ----- 18 Mar - C.ompany. O. C. (Roll) 29 " O. C. ---- 2 May Parade 2 June Company (Position) 6 " Parade 9 " Company Position (Roll) 20 " Parade. 7 July Company. 10 " " Guard of Hon. 11 " Parade " " 13 " " " 47 upside down [97]

1885 ---- Whit Tuesday Shot for third class made only 38 and â^[therefore] did not pass - 29 June. Shot for third class made 50 and passed by 10 see below 200 = 3 2 3 2 3 2 4 2 3 300 3 0 2 0 3 3 3 3 3 27 @[at] 200 - 23 @[at] 300= 50 ----- [98]

Photo[graphs] Group in Costume &c[et cetera] 23. June Mr Derry No[number] 1. 1 6 "[ditto] JH Simpson No[number] 3. 1 6 24, "[ditto] Mr James No[numbers] 1 &[and] 2 3 - 3 July "[ditto] Cutriss Nonumbers] 1&[and]2 1 6 22 Aug[ust] JH Simpson No[number] 1 1 6 3 Sep[tember]. Mr Smith 7 Photo[graphs]s 7 - 7 "[ditto] Miss Richardson 1 &[and] 2 3 - 9 "[ditto] W. Asquith 1 &[and] 2 2 6 [100]

Smith C Miss Richardson Asquith W "[ditto] Arthington Curtis "[ditto] "[ditto] James "[ditto] Allison Simpson J H "[ditto] Allison A Waite W "[ditto] E R May San[?] 49[inverted] [101]

Miss Richardson Portia Mr W Asquith Shylock Miss Arthington Britannia Mr W Waite Napoleon III "[ditto] B Simpson Lord Nelson "[ditto] C Smith The Mahdi Miss Ada Arthington Florence Nightingale attendant on Mr E R Waite Sick Soldier "[ditto] Allison Lord R Churchill "[ditto] S May Sick Arab "[ditto] <C Smith> <Mahdi> 1[inverted] [102]

In cases where two distinct living bodies are required to reproduce their species it is called "divacious" but where the essential parts of reproduction are pre- sent into the same individual it is called - "hermaphrodite " , " androgynous" androgynous or monoecious. But in the latter case two individuals are usually required &[and] each is being impregnated<y> &[and] is impreg- nating at one &[and] the same time (instance the snail) EW 50[inverted] [103]

(Waxworks -). June 13.[18]85 1. 6 seconds Lord Nelson Moved <very good> Excellent 2. 9 "[ditto] Bones on Right with Oil can. V[ery] G[ood] 3 15 "[ditto] Camera Moved - spoiled 4 12 "[ditto] Mr Smithson Right Moved V[ery] Good Group with Bycicles*[Bicycles] 5. 12 "[ditto] W[illiam] Waite looking to right. V[ery] Good 6 20 "[ditto] "[ditto] "[ditto] "[ditto] front. "[ditto] [104]

Reptiles Divisible into 4 groups 1 Chelonians or Turtles &[and] Tortoise 2 Saurians or Lizards 3 Orphidians or Snakes 4 Amphibians or Frogs Toads &[and] Newts (2) Gavials of the Ganges 18/[?] Crocodile of the Nile Alligator of N[or]th America Cayman of the South The above are giant Saurians 2 Sept[ember] [18]85 Mr. Bucklow Sent me a brown bird. 57[inverted] [105]

[cut-out calendar page for July 1885, showing 1 July as Wednesday] [105a]

Johnny caught it &[and] gave it to me, In 1883 Mr. Hartley caught one in Burley Fields on the 29th. June, this one came into my possession but I afterwards gave it away. 8 Sep[tember] 85. Annie Darbishire sent me a Heron <[?]> &[and] in its stomach I found a young eel about 6 inches long &[and] a shrimp also a lot of the green vegetation Kendall gave me a corn crake shot at Castleford on the 5 it was shot on the wing 8/9/[18]85 [106]

18/4/[18]85 Saw bumble bee in Headingley Church Yard. 19/4/[18]85 Daisy &[and] dandelion in flower (primrose day) also buttercup. swallow flying high in air Chaffinches pairing Starlings buildings 30/4/[18]85 Young Missel*[Mistle] Thrushes flying about. - Young thrushes &[and] young blackbirds in nest. Water Hens have eggs. 16/6/[18]85. Of the Jackdaws which built in Mr. Reid's House a young one came down rather prematurely 52[inverted] [107]

their droppings.- I saw several kinds of gulls flying on the river.- Willie &[and] I then visited Cross's Man- -agerie*[Menagerie] but owing to want of time we were not able to go round the Macaws &[and] Parrots were loose. &[and] climbed about all over - the return train left Liverpool at 6 Pm &[and] arrived at Leeds at 10 pm. We having spent a very enjoyable day [108]

Natural History science of Nature Ornithology "[ditto] Birds Oology "[ditto] Eggs Erpetology "[ditto] Reptiles Entomology Insects Zoology "[ditto] Animals Concology "[ditto] Shells Ichthyology "[ditto] Fishes Geology "[ditto] Interior of the Earth Physiology "[ditto] Human Body Phrenology "[ditto] Head Biology "[ditto] Things with life (including both Zoology & Botany) Anthropology "[ditto] Mankind 53 [inverted] [109]

I have yet seen . it is graced with many Marble statues representing Greek &[and] Roman celebrities*[celebrities] as. <Virgin> Venus, Appolo, Adonis Daphne. Minerva Herecules &c[et cetera] &c[et cetera] also some fine groups in Marble. the finding of Moses &c[et cetera] - On coming outside I was greatly struck with the hundreds of Pigeons congregating on the Capitals of the large buildings. &[and] the pavement beneath was covered with [110]

the docks &[and] saw a China - man ("Nester") about 400 feet long &[and] then went over the "Valparcaiso" a South American Liner 2"500 Tonnage. the whole vessel was lighted with the Electric Light &[and] had 4 Masts- We next went over the Mersey to - Birkenhead &[and] saw the operations of the Mersey Tunnel - recrossing we went over - the large City Hall. St Georges- a fine Building &[and] the Museum which is the finest 54 [inverted] [111]

22. Mar[ch]. Saw a Lapwing at Moortown - Rooks &[and] Missel thrushes pairing frogs. just commencing to spawn. This lateness is probably owing to the inclement weather there being ice on the water 28. Mar[ch]. Saw a sparrow plucking withered grass apparently for nesting 6.Apr[il]. Easter Monday. Willie &[and] I went by the Midland trip to Liverpool 3[shillings]/3[pence] return Left Leeds at 6.45 and arrived at Liverpool at 12.0 am. Went down to [112]

then a pigeon, but now I saw that it had a small bird in its claws - it was a Sparrowhawk and had apparently just caught its breakfast, on seeing me it flew away the little bird being still alive and the hawk taking it with it. The Sparrowhawk was not down more than 10 seconds having seen me, looking out of my bed room window not 12 yards from it <6th April> <Wille &[and] I went> <Easter Monday> 55 [inverted] [113]

away but never came on the ground to pick them up again - they (the twigs) must have been dead or the bird could not have broken them - they thus prune the trees - sometimes they carry the twigs by the end seeming not to have the sense to carry them by the middle [sketch] 14 Mar[ch]. This morning about 8 O'clock I saw a bird fly down on to the grass plot in front of our house - at first I thought it was a jackdaw [114]

Calendar 1885 7 Mar[ch]: Had a walk to ascertain whether the frogs had commenced spawning - no sign of it yet. 7 Mar[ch]. Saw a starling visiting <its> an old nesting place in a house where a pair had bred for several years. Feb[ruary] 28. Magpies inspecting there last year's nest I have noticed a few starlings all the winter 1884-5- Mar[ch] 13. First noticed Jackdaw preparing to nest by visiting our ash tree &[and] breaking off the small twigs &[and] flying away with them, they drop't [dropped] as many as they carried 28 [115]

Mice ----- Brought forw[ar]d â", 9 â", 9 8th June 1 White B[uck] Dawson â", â", 3 8th July Â¼ stone Oats â", â", 3Â½ 17 Aug[ust]. Wood for Â½ doz[en] â", â", cages ready cut. â", 1 â", 6 Wire Netting 4 Hinges 3 â", â", small fasteners 2d[pence] doz[en] â", â", 9 â", â", â", â", â", â", [116]

1884 . Cost of Keeping Mice. 26 Nov[ember]. 2 Fawn mice B[uck]&[and]D[oe] Mart â€- â", 8 9 Dec[ember] 1 white mouse D[oe] "[ditto] â€- â", 4 The 3 mice above died. â€- â", Bran 2d[pence] Oats 1d[pence] Letters 4d[pence] Scoop 1d[pence] â€- â", 8 Wire 3d[pence] Â½lb Groats 1Â½d[pence] Zinc nails 2d[pence] â€- â", 6Â½ Roofing Felt 7Â½d[pence] Wire 2d[pence] â€- â", 9Â½ 1885 â€- â", 19 Jan[uary] 2 black mice D[oe]&[and]D[oe] Dawson â€- â", 8 "[ditto] 1 chocolate D[oe] "[ditto] â€- â", 6 Wood for cage. Rhodes â€- 2 â", 3 19 Feb[ruary] Zinc " " Proctor â€- â", 6 Iron Bar 7d[pence] Lock 6d[pence] â€- 1 â", 1 10th Mar[ch]. 2 white mice B[uck]&[and]D[oe] Mart â€- â", 6 14th April 1 "[ditto]"[ditto] D[oe]. These 3 mice died â€- â", 3 5th May 1 "[ditto] mouse D[oe] Dawson â€- â", 4 "[ditto] 1 fawn &[and] white B[uck] "[ditto] â€- â", 4 "[ditto] 1 Choc[olate] D[oe] "[ditto] â€- â", 4 8 June changed for white B[uck] â€- â", ----- Carried Forw[ar]d â€- 9 â", 9 ----- 57[inverted] [117]

Books Bought ----- 1884 â€- â", â", 26. Aug[ust] Paterson's Zoology M â€- â", 1 â", - Oct[ober]. Cassels N[atural] History M â€- 1 â", 5 â", - 3 Dec[ember] Fancy Mice . Lou â€- â", â", 6Â½ 1885 â€- â", â", June Goldsmiths N H â€- â", â", in four volumes M â€- â", 2 â", 6 Aug[ust] 21. Burns Wks. M â€- â", â", 5 â€- â", â", â€- â", â", â€- â", â", â€- â", â", [118]

Photography Dr. ===== Brought Forward â€- 1 â", 13 â", 3Â½ 1 June. 1 sheet. P.P.Paper â€- â", â", (Father) â€- â", 1 â", - Sale of Group â€- â", â", Week ending June 27 â€- â", 6 â", - 16 July - given <o> by â€- â", â", Father towards â€- â", â", Paying for Britannia â€- â", â", Plates which I â€- â", â", took to Scotland â€- â", 10 â", - â€- â", â", â€- â", â", â€- â", â", ----- Carried Forw[ar]d. Â£[pound]â€- 2 â", 10 â", 3Â½ folio 37 ===== 58 [inverted] [119]

Photography Cr[edit]s =====
 Brought Forward 6 6", 6 11 16. May pocket Thermometer 8 " Hydrochloric
 Acid 2 " Weighing Chemicals 3 1 June. 3 sheets Pink P. Paper 2 2", - 13 " 3 Sheets Pink S Paper 2 2", - 17 " 1 doz[en] India 2d- Mounts 1 1",
 9 22 " 1 Bottle H&R Mounting 6 Mediums } 23 " 2 doz[en] India
 Tinted Mounts 3 6 26 . 2 sheets Pink Paper 1 sheet . Wh
 2 2", - 1 July Wood retouch desk 3 2", - 16 " 2 doz[en] 1 1/2 plates } 14
 6 2 " 5x4 2 doz[en] 1/4 } --- 2", --- 2", --- Britannia Plates } £ 7 2", 17 2", 3
 ===== [120]

Photography Dr. Brought Forward 16 2", - 1 1/2 25th April Agentic Bromide Enlarges }
 2 2", - 2", - including carriage, framed } 2 2", - 2", - complete. IE Grainger } 16 2",
 4 27 April Allowed by JD Scora 2 2", 5 1. May. Working Neg[ative] Father 2 2", 2",
 6 2 2", 2", 2 2", 2", ----- £ 1 2", 13 2", 3 1/2 59 [121]

Photography C ----- Brought Forward 5 2", 14
 2 21. April. 1 oz[ounce] Pyro 1/6 Potus Bromide 2 2", 2d Ammonium Bromide:
 4d 2 2", 2", Small drop bottle 9d 2 2", 9 " [21 April] see folio 58 2 2", 2",
 <Retouching Desk (Wood)> 2 2", 2", " [21 April] 1 doz[en] India tinted 2 2", 2", mounts,
 12 x 9. 2 2", 1 2", 9 (TEG) 2 2", 2", " [21 April] Carriage of Ammonium Bromide.- 2 2",
 2", 1 2", - 25 " [April] Frame. Mount &c[et cetera] TEG 2 2", 4 2", 6. " [25 April] Carriage of
 Neg[ative](back) 2 2", 2", 3 28 " [April] Working Neg[ative]. Father 2 2", 2", 6 16 May.
 1/4 oz [ounce] Nitrate of Silver 2 2", 1 2", . X 1 oz[ounce] Ammonium Bromide 2 2",
 2", 3 1 oz[ounce] Nelson's Gelatine 2 2", 2", 6 5 oz[ounce]s distilled H2O[water] 2 2", 2",
 with bottle 2d Test Tube 2 2", 2", 3 1d ----- £ 6 2", 6 2", 11 [122]

Photography. D[ebit] ----- Brought Forward 2 2", -
 2/4/85 Neg[ative] of A Crossfield } 2 2", 2", being defective allowed } 2 2", 2", 2 8/4/85
 Working Neg[ative] of W Waite 2 2", 1 2", - 10/4/85. 1 1/2 doz Cab. 1 1/2 doz. } 2 2", 2",
 C.D.V including } 2 2", 2", 1/- for Working Neg[ative] } 2 2", 2", ----- T.E Grainger 2 2",
 6 2", - 10/4/85. ditto T H Anderson 2 2", 6 2", - 15/4/85 1 doz[en] 2 2", ... Ramsdens plates
 Father 2 2", 2", 9 <17/4/85 Photo: Album I & Beck 2 2", 2 2", 6> 19/4/85 Ra[?]s?
 1/4. plate Father. 2 2", <1> 2", 1 1/2 <2/4/85 Argentic Bromide> 2 2", 2", <Print T.E
 Grainger> ----- Carried Forward £ 2 2", 16 2", - 1 1/2 60 [123]

Photography. Cr[edit] ----- Brought Forward 4 2", 12
 2", 1 1/2 25/3/[18]85 Hooks & Eyes for Screen 2 2", 2", 4 1/2 26/3/[18]85 1 doz[en]
 Derby Plates 1/4 2 2", 1 2", 8 31/3/[18]85 10 y[ar]ds tape for Screen 2 2", 2", 6
 2/4/[18]85 Working Neg[ative] Alf Cros[sed] 2 2", 1 2", 2 8/4/[18]85 " W Waite 2 2", 1 2", -
 13/4/[18]85 2 doz[en] 2 2", ... plates Ramsden 2 2", 1 2", 6 " Enlarging Neg[ative] of
 TEG[rainger] 2 2", - 2", - Argentic Brom - 4/3 postage 3d[pence] 2 2", 4 2", 6
 "[13/4/[18]85] 1 1/2 y[ar]d Ferro Prus paper 2 2", 2", 6. 16/4/[18]85 Wood for Garden Screen
 2 2", 4 2", 6 17/4/[18]85 Photo: Album I & Beck 2 2", 2 2", 6 18/4/[18]85. 1 doz[en] Derby
 1 1/2 plates. 2 2", 3 2", 8 21/4/[18]85 Hinges for Retouching Desk 2 2", 2", 2 Carried
 Forward, £ 5 2", 14 2", 2 [124]

<Cost of> Photography D[ebi]t ----- 21/2/[18]85 Working
Neg[ative] of Miss H â€– â”, 1â”, - 17/3/[18]85 " Miss Cottam â€– â”, 1â”, - â€– â”, â”, â€– â”,
â”, â€– â”, â”, â€– â”, â”, â€– â”, â”, â€– â”, â”, â€– â”, â”, ----- Carried Forward â€– â”,
2â”, - ===== 61 [125] 61 upside down [125]

<Cost of> Photography Cr[edit] Proportion of $\hat{A}\frac{1}{2}$ plate camera -/9/[18]84 $\hat{A}\hat{A}$, \hat{A} ", Printing
Frames &c[et cetera] $\hat{A}\hat{A}$ 3 \hat{A} ", 9 \hat{A} ", - Chemicals 1/10 P.Paper 7d[pence] $\hat{A}\hat{A}$ \hat{A} ", 2 \hat{A} ", 5 1
doz[en] $\hat{A}\frac{1}{4}$ plates Ramsden $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", 6 12/2/[18]85 " " $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", 6 " 2 sheets P.Paper
P.&[and]W. $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", 4 " working Neg[ative] of Self $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", - 16/2/[18]85 " " of Miss H
 $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", - " Camera &c[et cetera] from Milnes $\hat{A}\hat{A}$ \hat{A} ", 8 \hat{A} ", - 16/3/[18]85 2 Dozen Cab
Cards (4/6 100) $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", 1 $\hat{A}\frac{1}{2}$ " 50 C.D.[?]. 1/6 p100 $\hat{A}\hat{A}$ \hat{A} ", 9 \hat{A} ", " 3 Sheets P Paper
(Wh) $\hat{A}\hat{A}$ \hat{A} ", 2 \hat{A} ", - 17/3/[18]85 1 Foot Plough[e]d Wood $\hat{A}\hat{A}$ \hat{A} ", \hat{A} ", 6 18/3/[18]85 Work 9
neg[atives] T.H.A[nderson] $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", - " " T.E.G[rainger] $\hat{A}\hat{A}$ \hat{A} ", 1 \hat{A} ", - Carried forward
 $\hat{A}\pounds$ [pound] $\hat{A}\hat{A}$ 4 \hat{A} ", 12 \hat{A} ", 1 $\hat{A}\frac{1}{2}$ [126]

Music bought by Edgar R. Waite Six album leaves "â€", Schumann 11thFeb[ruary][18]85
2/- "â€ 1â", 8 Gipsy Rondo "â€", <Mayer> Steibelt 5 Mar [18]85 2/- "â€ 1â", 8 3
Characteristic pieces "â€", <Steibelt> Mayer 5 Mar [18]85 2/- "â€ 1â", 8 "â€", 62 [127]

Dancing. Jan[uar]y 2nd. Called on Mrs. Willis 61 Caledonian Rd re[garding] Lessons in Dancing. her Charge being 15/- for 10 lessons but owing to my doing some little thing for her she only charged me 12/6 <(Dry Meter)> 1885 Lessons Private Lessons. Jan[uar]y 5th 14th 21st Class Lessons. Jan[uar]y 29th Feb[ruary] 5th Feb[ruary] 12th - 19th - 26th Mar[ch] 5th 12th { Mrs. Willis } Miss Smith Mr. Birkenshaw { Miss " } " A " " Newsam<e> Mrs. Walker Miss Birmingham " Johnson Miss " " Polly " " Pullan Miss Rhodes " Marsden " Carr " Beaur " Waite [128]

Music Dec[ember] 28/[18]85 Wrote to Prof[essor] Parkin re[garding] Pianoforte lessons 2
Louis St New Leeds Dec[ember] 31/[18]84 Received letter from Prof[essor] Parkin saying
that his usual terms were 31/6d[pence] per quarter. but that he would give me lessons on his
old terms viz[videlicet = namely] 25/- 1885 Lessons Jan[uar]y 13th 20th 26th Feb[ruary] 9th
Feb[ruary] 16th Mar[ch] 2nd 9th 16th 63 [129]

Music bought by Prof[essor] Parkin Beethovens Rondo in C } Jan[uar]y 20 - 1885 } 2 -
Blumenlied - Gustav Lange } Feb[ruar]y 9th 1885 Paid } 1 6 [130]

Stanzas to Edgar Remember me when morning's beam To daily toil shall summon thee And
when the setting sun shall gleam O'er ocean's verger, remember me, Remember, me when
at the hour Of morn or eve, thy knee is bent Before His throne whose mighty power Has
safely, kept, has mercies sent Remember me, when the bright moon At silent midnight <fall>
shines on thee Should midnight be o'ercast with gloom Even in the gloom remember me And
when employ thy hands shall fill At noon-tide hours, remember me Where'er I dwell my heart
shall still With ardent fondness think of thee to Edgar

How to cut 15 cabinets out of a sheet [diagram] How to cut 42 C.D V out of sheet [diagram]
Encaustic Paste White wax cut in shreds 1 oz[ounce] Turpentine 1 oz[ounce] &[and] thinned
down of necessary until of the consistency of cold cream put a bit on the print &[and] rub
with a piece of flannel until a firm fine surface is obtained [131c]

Mounting photos. Fine cut gelatine or shredded glue is swollen in the least possible amount
of OH2 &[and] this is boiled with Alcohol with much stirring. Use 80 grains Nelsons
No[number] 1 gelatine 3 drams of water &[and] 2oz[ounce] of Alcohol when cool this set into
a jelly &[and] can be used by letting the bottle stand in water - the prints will not cockle the
mount [calculations]