

IRELAND.

Division XX.—MUNSTER.												Div. XXI.— LEINSTER.	
CORK.				KERRY.		WATERFORD.		CLARE.		CARLOW.			
Height of Rain-gauge above Ground Sea-level.....	Cork, Queen's College.		Fermoy.		Darrynane.		Waterford.		Killaloe.		Fenagh House, Bagnalstown.		
	6 ft. 0 in. 65 ft.		4 ft. 0 in. 114 ft.		1 ft. 1 in. 12 ft.		4 ft. 6 in. 60 ft.		5 ft. 0 in. 123 ft.		1 ft. 0 in. 340 ft.		
	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
January	7'26	9'70	4'94	7'47	7'81	7'79	6'94	8'01	6'44	7'72	5'22	4'95	
February ...	5'32	1'46	5'11	2'24	5'62	4'49	5'52	2'92	4'59	2'01	4'96	1'44	
March	3'80	4'85	3'51	3'83	4'67	4'65	5'46	3'87	2'92	3'98	3'21	2'99	
April	1'11	1'98	1'26	1'80	1'72	2'26	3'04	1'02	2'46	2'71	2'76	'87	
May	1'50	1'47	1'30	1'21	2'45	3'03	1'41	1'36	2'44	3'09	1'78	2'20	
June	3'52	2'43	2'68	1'54	5'27	2'99	3'20	1'44	4'73	2'91	4'39	1'18	
July	6'94	3'40	4'54	2'96	5'72	6'07	2'76	3'73	1'88	4'18	2'09	3'49	
August	6'83	3'24	4'59	3'85	5'38	5'95	4'25	6'00	5'01	8'61	5'40	6'09	
September ...	3'16	2'80	2'26	2'22	5'04	6'59	3'20	3'39	4'59	5'26	3'41	2'48	
October	5'27	2'17	3'15	3'04	8'11	6'95	3'30	4'19	5'70	6'57	3'56	3'35	
November ...	6'27	2'52	4'89	2'07	6'50	4'41	6'24	3'17	5'51	3'18	5'48	2'16	
December ...	10'59	'77	8'37	'87	8'73	1'86	11'08	1'16	6'78	2'51	9'66	'80	
Totals	61'57	36'79	46'60	33'10	67'02	57'04	56'40	40'26	53'05	52'73	51'92	32'00	

Division XXII.—CONNAUGHT (continued).						Division XXIII.—ULSTER.						
ROSCOMMON.		MAYO.		SLIGO.		CAVAN.		ENNISKILLEN.		ANTRIM.		
Height of Rain-gauge above Ground Sea-level.....	Holywell.		Doo Castle.		Mount Shannon, Sligo.		Red Hills, Belturbet.		Florence Court.		Aghalee, Lurgan.	
	5 ft. 0 in.		1 ft. 0 in.		4 ft. 5 in. 70 ft.		0 ft. 9 in. 208 ft.		1 ft. 11 in. 250 ft.		1 ft. 0 in. 105 ft.	
	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January	5'31	3'09	6'44	5'01	5'91	6'16	5'67	5'29	9'17	9'92	5'05	3'90
February ...	2'27	1'18	3'60	1'02	3'83	'79	3'16	'80	4'50	'95	3'31	'66
March	2'66	2'99	4'70	2'83	3'01	2'53	2'31	2'45	3'62	2'02	2'61	2'11
April	'56	'99	1'16	1'29	2'08	1'43	2'30	1'41	1'56	1'12	3'54	'62
May	2'57	2'10	2'43	2'45	2'29	2'37	1'94	1'74	3'40	1'32	3'15	1'78
June	3'48	1'69	3'96	1'39	6'15	1'60	4'04	1'42	5'17	1'39	3'98	1'97
July	1'75	5'00	2'15	4'23	1'81	3'82	1'50	3'73	1'74	4'43	2'43	7'17
August	4'02	2'99	4'28	5'35	3'79	7'02	3'25	5'62	6'51	7'20	3'40	4'95
September ...	5'11	2'62	6'96	2'42	7'17	2'38	5'50	3'20	6'63	3'03	4'59	2'91
October	5'68	4'90	6'33	4'81	6'97	7'03	4'37	2'77	5'11	3'91	4'58	2'77
November ...	4'33	1'20	5'82	1'86	5'33	2'29	3'73	2'05	5'90	2'61	4'13	2'35
December ...	5'22	1'00	5'03	1'63	5'49	1'16	5'30	1'13	7'69	2'36	6'02	'75
Totals	42'96	29'75	52'86	34'29	53'83	38'58	43'07	31'61	61'00	40'26	46'79	31'94

IRELAND.

Division XXI.—LEINSTER (continued).

Division XXII.—
CONNAUGHT.

Division XXI.—LEINSTER (continued).										Division XXII.— CONNAUGHT.			
CARLOW (continued).		KING'S CO.				WICKLOW.		DUBLIN.		GALWAY.			
Brown's Hill, Carlow.		Portarlington.		Tullamore.		Fassaroe, Bray.		Black Rock.		Cregg Park.		Galway, Queen's College.	
1 ft. 0 in. 291 ft.		1 ft. 2 in. 240 ft.		3 ft. 0 in. 235 ft.		5 ft. 0 in. 250 ft.		29 ft. 0 in. 90 ft.		3 ft. 0 in. 130 ft.		9 ft. 0 in. 30 ft.	
1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
4'43	4'92	2'63	4'32	3'45	5'22	4'97	4'37	3'74	3'71	5'64	7'06	6'63	7'13
4'61	0'88	3'12	4'49	2'41	5'82	4'97	1'35	3'91	3'50	3'61	1'64	3'93	1'51
2'84	3'16	2'44	3'24	2'11	3'49	2'88	3'24	2'41	2'78	1'85	2'95	2'72	3'13
2'57	1'26	2'33	2'14	2'10	2'19	3'25	5'53	3'02	0'85	1'60	2'16	1'70	3'22
1'46	2'12	1'92	1'78	1'87	1'72	2'48	0'84	1'97	0'81	3'24	2'41	2'30	2'40
3'32	1'10	3'21	1'47	3'99	1'12	3'25	1'04	2'92	0'45	4'43	2'23	6'09	3'54
2'40	3'29	2'62	3'17	2'14	3'96	1'40	3'13	1'12	4'42	2'31	5'14	2'80	6'47
4'89	6'33	3'61	4'33	3'51	4'22	3'79	4'18	4'31	3'88	3'39	5'40	5'25	6'28
3'60	2'28	2'59	1'76	2'51	2'55	3'13	2'46	2'68	2'32	3'56	3'21	6'90	4'14
4'04	3'19	4'22	3'58	3'85	4'62	5'04	3'28	4'23	2'41	4'48	5'32	6'45	5'50
4'95	1'55	3'39	2'13	3'59	2'30	6'51	2'77	5'19	2'33	4'18	1'94	5'77	2'92
8'18	0'93	5'64	1'09	4'15	0'91	8'83	0'55	6'82	0'50	5'88	1'28	5'83	1'84
47'29	31'01	37'72	29'50	35'68	33'12	50'50	27'74	42'32	24'96	44'17	40'74	56'37	48'08

Division XXIII.—ULSTER (continued).

ANTRIM (continued).				LONDONDERRY.				TYRONE.		DONEGAL.			
Antrim.		Belfast, Queen's College.		Monedig, Garvagh.		Londonderry.		Omagh.		Dungloe.		Moville.	
1 ft. 0 in. 150 ft.		7 ft. 4 in. 68 ft.		1 ft. 0 in. 120 ft.		0 ft. 3 in. 80 ft.		1 ft. 0 in. 275 ft.		0 ft. 6 in. 10 ft.		4 ft. 0 in. 100 ft.	
1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.	1872.	1873.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
4'18	3'73	4'26	3'58	6'58	4'56	6'02	5'20	5'65	4'69	8'26	6'00	6'69	4'11
3'14	0'54	3'55	0'76	3'89	1'29	3'05	0'86	3'65	0'77	3'77	0'83	2'79	1'45
3'27	1'87	1'79	2'23	3'16	2'29	3'25	2'62	2'00	2'01	3'40	2'71	3'68	2'38
3'83	0'80	2'59	0'33	3'44	0'81	2'70	0'75	2'49	0'56	1'41	1'30	4'10	0'90
2'15	1'92	2'60	2'12	3'44	2'61	2'90	2'10	1'90	2'36	2'79	3'32	3'26	3'67
3'70	1'67	4'17	1'81	4'78	1'61	3'65	2'20	5'27	2'14	5'60	2'18	4'77	1'62
1'61	6'58	3'05	5'10	2'08	4'82	1'25	5'04	1'50	4'43	1'11	5'04	2'39	4'60
4'05	5'41	3'25	5'63	4'50	5'73	4'15	6'50	3'05	6'15	4'63	7'02	4'77	5'90
4'47	1'92	4'28	2'44	6'90	3'61	4'90	3'75	6'71	4'13	7'65	4'15	9'28	4'59
4'98	3'93	5'10	3'97	5'95	4'58	4'30	5'90	4'47	4'00	5'05	7'48	5'30	7'30
2'74	2'65	4'53	2'55	5'27	2'02	4'30	2'40	5'30	2'09	5'02	3'85	6'68	2'68
4'48	1'04	5'29	0'61	5'01	2'03	3'20	2'75	4'20	1'55	4'08	3'33	3'80	2'99
42'60	32'06	44'46	31'13	55'00	35'96	43'67	40'07	46'19	34'88	52'77	47'21	57'51	42'19

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
480.	1872. Dec. 4.	OXFORDSHIRE. Banbury, Parson Street. <i>J. JARVIS, ESQ.</i> <i>J. Jarvis, Esq.</i>	II.	.....	9 a.m.	ft. in. 4 6	feet. 35°
481.	Dec. 4.	OXFORDSHIRE. Banbury, Parson Street. <i>J. JARVIS, ESQ.</i> <i>J. Jarvis, Esq.</i>	II.	.....	.....	4 0	35°
482.	Dec. 5.	HERTFORDSHIRE. Rothamsted. <i>J. B. LAWES, ESQ., F.R.S.</i>	XI.	.....	9 a.m. and 4.30 p.m.	2 0	420
483.	1873. July 13.	KENT. Harefield, Selling. <i>E. NEAME, ESQ.</i> <i>E. Neame, Esq.</i>	XII.	Casella	9 a.m.	2 6	217
484.	July 13.	KENT. Sheldwich Vicarage. <i>REV. B. S. MALDEN.</i> <i>Rev. B. S. Malden.</i>	III.	Casella	9 a.m.	1 0	259
485.	Aug. 14.	SUSSEX. Crowborough Beacon Observatory. <i>C. L. PRINCE, ESQ.</i> <i>C. L. Prince, Esq.</i>	VI.	.....	9 a.m.	6 0	777
486.	Aug. 15.	SUSSEX. Uckfield Observatory. <i>C. L. PRINCE, ESQ.</i> <i>C. L. Prince, Esq.</i>	VI.	.....	9 a.m.	6 3	149
487.	Aug. 15.	SUSSEX. The Grange, Framfield. <i>CAPT. DRAKE.</i> <i>Capt. Drake.</i>	X.	Negretti & Zambra .....	.....	1 2	185
488.	Aug. 15.	SUSSEX. Buxted Park. <i>COL. HARCOURT.</i> <i>Mr. J. Edmeads.</i>	X.	Negretti & Zambra	9 a.m.	1 0	193
489.	Sept. 29.	WESTMORELAND. Mardale Green. <i>BRITISH ASSOCIATION.</i> <i>Mr. Hebson.</i>	I.	Casella	9 a.m. 1st of month.	1 0	800
490.	Sept. 29.	WESTMORELAND. Measandbecks, Haweswater. <i>BRITISH ASSOCIATION.</i> <i>Mr. J. Rigg.</i>	I.	Casella	9 a.m. 1st of month.	1 2	1200

RAIN-GAUGES (continued from Brit. Assoc. Rep. 1873, p. 303).

Diameters (that marked M = mean).	Equivalents of water.		Error at scale-point specified in previous column.	Azimuth and an- gular elevation of objects above mouth of rain- gauge.	Remarks on position &c.	Reference number.
	Scale- point.	Grains.				
in.	in.		in.			
9'92	'1	1760	+·012	.....	In garden in centre of town, fair exposure.	480.
10'06	'2	3523	+·024			
10'02	'3	5283	+·037			
9'92	'4	7045	+·049			
M 9'980	'5	8805	+·061			
10'10	'1	1980	+·002	.....	Close to 480.	481.
10'15	'2	3954	+·003			
10'00	'3	5930	+·005			
10'03	'4	7908	+·007			
M 10'070	'5	9885	+·009			
4'93				.....	Gauge in large experimental field. Measuring-glass not accessible; said to have been verified in the laboratory.	482.
4'98						
4'98						
5'01						
M 4'975						
5'02	'1	495	correct.	S. Tree, 46°.	Position not good, but no better available for daily observations. Establishment of a monthly gauge at a little distance suggested.	483.
4'98	'2	990	correct.	S.E. „ 35°.		
4'99	'3	1470	+·003			
5'01	'4	1970	+·003			
M 5'000	'5	2450	+·006			
5'00	'1	490	+·001	.....	All clear, S.E. of church and within 100 yards of it.	484.
4'95	'2	980	+·002			
5'09	'3	1470	+·002			
4'92	'4	1970	+·001			
M 4'990	'5	2470	correct.			
11'20	'1	2265	+·010	.....	This gauge not in use, being considered incorrect.	485.
11'28	'2	4550	+·019			
11'32	'3	6825	+·028			
11'22	'4	9100	+·038			
M 11'255	'5	11375	+·047			
11'28	'1	2450	+·002	N.W. Chestnut, 25°	.....	486.
11'21	'2	4940	+·002	S.E. Apple, 24°.		
11'23	'3	7300	+·008			
11'19	'4	9720	+·011			
M 11'228						
7'88	'1	1280	-·001	W.N.W. Tree, 15°.	On lawn; no better position available.	487.
8'13	'2	2500	+·003	N.W.-N.N.W. Ho. 45°		
7'96	'3	3790	+·001	N. Trees, 30°.		
8'02	'4	5100	-·002			
M 7'998	'5	6330	+·001			
8'04	'1	1360	-·007	S.W. Tree, 48°.	Gauge to be moved further northwards; on lawn N. of house.	488.
8'03	'2	2550	-·001	N.E. Fir, 31°.		
8'00	'3	3800	correct.			
7'92	'4	5040	+·003			
M 7'998	'5	6250	+·007			
8'00				E.S.E. Hill, 31°.	Else clear. Rod and gauge correct.	489.
7'98				S.S.E. Firs, 36°.		
8'03						
8'00						
M 8'002						
7'92				.....	The gauge was moved two years ago; rod correct and gauge true.	490.
8'07						
8'00						
7'98						
M 7'993						

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
491.	1873. Sept. 30.	WESTMORELAND. Crosby Ravensworth. REV. G. F. WESTON. <i>Rev. G. F. Weston.</i>	X.	Baker .....	.....	ft. in.	feet.
						1 0	600
492.	Sept. 30.	WESTMORELAND. Reagill. MR. W. WILKINSON. <i>Mr. W. Wilkinson.</i>	X.	Baker	9 a.m.	0 10	890
493.	Oct. 3.	WESTMORELAND. Belsfield, Windermere.† H. W. SCHNEIDER, ESQ. <i>Mr. Chaplin.</i>	XII.	Casella	9 a.m.	4 6	160
494.	Oct. 3.	LANCASHIRE. Backbarrow, Cartmell. MAJOR AINSWORTH.	IV.	Hartley .....	.....	3 2	70
495.	Oct. 4.	LANCASHIRE. Lanehead, Coniston. R. T. BYWATER, ESQ. <i>R. T. Bywater, Esq.</i>	XI.	Negretti & Zambra .....	.....	1 0	287
496.	Oct. 4.	LANCASHIRE. Lanehead, Coniston. R. T. BYWATER, ESQ. <i>R. T. Bywater, Esq.</i>	X.	Negretti & Zambra	9 a.m.	1 0	287
497.	Oct. 9.	WESTMORELAND. Greenside Mines. MR. TAYLOR. <i>Mr. Taylor.</i>	X.	Casella	1st of month.	1 0	1000
498.	Oct. 11.	CUMBERLAND. Barrow House. S. Z. LANGTON, ESQ.	X.	Negretti & Zambra	9 a.m.	0 6	282
499.	Oct. 13.	CUMBERLAND. Brow Top, Keswick. W. SHERWIN, ESQ. <i>Mr. J. Barker.</i>	III.	Cook	8 a.m.	0 8	407
500.		CUMBERLAND. Shu-le-Crow, Keswick. H. DAWSON, ESQ. <i>H. Dawson, Esq.</i>	IV.	Chadburn	9 a.m.	3 0	278
501.	Oct. 20.	CUMBERLAND. The Styte. ISAAC FLETCHER, ESQ., M.P. <i>Mr. J. Wilson.</i>	.....	Cook	1st of month.	1 0	1077

RAIN-GAUGES (continued).

Diameters (that marked M = mean).	Equivalents of water.		Error at scale-point specified in previous column.	Azimuth and an- gular elevation of objects above mouth of rain- gauge.	Remarks on position &c.	Reference number.
	Scale- point.	Grains.				
in.	in.		in.			
7.92	.1	1250	+ .001	S.E. Stables, 28°.	S.E. of church ; gauge in garden, clear except as noted.	491.
8.00	.2	2550	- .002	W.N.W. Belt of		
8.02	.3	3780	+ .001	trees, 25°.		
8.00	.4	5030	+ .002			
M 7.985	.5	6300	+ .002		In field, quite clear except as noted.	492.
7.98	.1	1310	- .003	S. House, 20°.		
8.00	.2	2550	- .001			
8.00	.3	3780	+ .002			
8.00	.4	5100	- .002		In gardens, quite clear.	493.
M 7.995	.5	6340	correct.			
5.00	.1	500	- .001			
5.00	.2	1000	- .002			
5.00	.3	1490	- .001		In garden, very much shut in by trees. Gauge out of order, and believed to have been subse- quently abandoned.	494.
5.00	.4	2000	- .003			
M 5.000	.5	2470	+ .002	E. Fir, 54°.		
12.10	.082	780	+ .056	S. „ 34°.		
12.05	.110	1650	+ .052	W. „ 0°.	N.W. Trees, 58°.	495.
12.05	.138	2570	+ .047	N. House, 10°.		
M 12.025					Quite open, on lawn.	
4.98	.1	490	+ .002		Close to 495.	496.
5.00	.2	990	+ .001			
5.02	.3	1470	+ .005			
5.04	.4	1960	+ .006			
M 5.010	.5	2470	+ .004		On N. slope of valley, but near its bottom ; unsheltered except by the ground, which runs up at perhaps 45° to between 1500 and 2000 feet.	497.
7.98	.1	1290	- .002			
8.02	.2	2560	- .002			
8.03	.372	4730	- .001			
8.03	.5	6250	- .008		E. Shrubby, 53°.	498.
M 8.000				S. Oak, 48°.		
7.00	.1	1090	- .012			
6.99	.2	2000	- .006			
7.02	.3	3000	- .008		Clear ; on N. corner of lawn.	499.
7.00	.4	3900	- .001			
M 7.002	.5	4900	- .003			
7.98	.1	1260	+ .001			
8.02	.2	2540	correct.		In garden on bank of Derwent, quite clear.	500.
7.98	.3	3800	+ .001			
8.02	.4	5048	+ .002			
M 8.000	.5	6300	+ .004			
5.01	.1	490	+ .002		Measuring-glass not accessible. Gauge concealed among rocks on the eastern slope of the Sty Head Pass.	501.
5.05	.2	970	+ .007			
5.01	.3	1480	+ .005			
5.05	.4	1980	+ .005			
M 5.030	.5	2470	+ .008		In garden on bank of Derwent, quite clear.	500.
12.00	.09	3000	- .015			
12.00	.19	6000	- .020			
11.99	.295	9000	- .020			
12.01	.406	12000	- .014		Measuring-glass not accessible. Gauge concealed among rocks on the eastern slope of the Sty Head Pass.	501.
M 12.000	.51	15000	- .015			
4.00						
4.00						
3.99						
4.01						
M 4.000						

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
502.	1873. Oct. 22.	CUMBERLAND. Deer Close, Keswick. <i>H. C. MARSHALL, ESQ.</i>	XII.	Casella	9 a.m.	ft. in. 1 8	feet. 300
503.	Oct. 23.	YORKSHIRE. Moorside, Halifax. <i>L. J. CROSSLEY, ESQ.</i> <i>Mr. Page.</i>	X.	.....	9 a.m.	1 0	429
504.	Oct. 24.	YORKSHIRE. Settle.	III.	.....	.....	8 0	519
505.	Oct. 24.	YORKSHIRE. Langcliffe, Settle. <i>MISS SEDGWICK.</i> <i>Miss Sedgwick.</i>	X.	Negretti & Zambra .....	.....	1 6	623
506.	Oct. 25.	YORKSHIRE. Cherry Hill, York. <i>H. RICHARDSON, ESQ.</i>	III.	.....	9 a.m.	1 6	40
507.	Oct. 25.	YORKSHIRE. Cherry Hill, York. Second gauge. <i>H. RICHARDSON, ESQ.</i> <i>H. Richardson, Esq.</i>	III.	.....	9 a.m.	2 0	40
508.	Nov. 1.	NOTTINGHAM. Southwell. <i>W. W. P. CLAY, ESQ.</i> <i>W. W. P. Clay, Esq.</i>	III.	Davis .....	.....	.....	.....
509.	1874. Mar. 31.	YORKSHIRE. Penistone. <i>M. S. & L. R. Co.</i>	VIII.	Casartelli	8 a.m.	3 6	717
510.	Mar. 31.	YORKSHIRE. Carlcotes. <i>M. S. & L. R. Co.</i>	VIII.	Casartelli .....	.....	2 11	1075
511.	Mar. 31.	YORKSHIRE. Dunford Bridge Reservoir. <i>DEWSBURY WATER Co.</i> <i>Mr. G. Whitfield.</i>	II.	.....	9 a.m.	2 0	1100
512.	Apr. 1.	YORKSHIRE. Dunford Bridge Station. <i>M. S. & L. R. Co.</i>	VIII.	Casartelli	9 a.m.	3 6	954

RAIN-GAUGES (continued).

Diameters (that marked M = mean).	Equivalents of water.		Error at scale-point specified in previous column.	Azimuth and an- gular elevation of objects above mouth of rain- gauge.	Remarks on position &c.	Reference number.
	Scale- point.	Grains.				
in.	in.		in.			
6·96	·1	970	correct.	N.E. House, 32°.	Good position in front of house.	502.
7·00	·2	1960	-·002		Set on a large stone, which had	
6·95	·3	2940	-·004		sunk towards S.W.: requested	
7·00	·4	3880	-·002		that it might be rendered level.	
M 6·978	·5	4855	-·002		On edge of lawn, quite clear.	
8·04	·1	1260	+·001			503.
7·90	·2	2520	+·002			
8·03	·3	3800	-·002			
M 7·96	·4	5040	+·003			
M 7·983	·5	6260	+·012			
5·00	·1	496	correct.		On a bracket from west eaves of	504.
5·00	·3	1490	correct.		cottage. Gauge was tipping one	
5·01	·5	2450	+·006		inch to the west. Believed to	
5·01					belong to contractor of Settle	
M 5·005					and Carlisle Railway.	
8·00	·1	1255	+·003	N. House, 22°.	Gauge in dwarf stump. Good po-	505.
8·02	·2	2520	+·004	S.E. Laburnum, 16°.	sition in garden.	
8·00	·3	3800	+·002	W. Tree, 13°.		
7·98	·4	5100	-·004			
M 8·000	·5	6310	+·007			
4·96	·1	450	+·008	W. Tree, 58°.	In garden, too much sheltered by	506.
5·02	·2	948	+·007	S. " 38°.	trees; better spot selected.	
4·94	·3	1415	+·012	E. " 50°.		
5·01	·4	1915	+·011	N. " 30°.		
M 4·983	·5	2400	+·012			
5·02	·1	450	+·011		Close to 506.	507.
5·07	·2	948	+·012			
5·00	·3	1415	+·019			
5·05	·4	1915	+·019			
M 5·035	·5	2400	+·023		The measure supplied with the gauge	508.
6·05	·05	440	-·011		was broken shortly after, and a me-	
6·00	·1	880	-·022		morandum was made previously that	
6·05	·2	1750	-·042		0·25 in. in measure = 5 oz. in the	
6·05	·3	2630	-·064		large graduated measure, which holds	
M 6·037	·4	3500	-·098		8 oz. The memorandum probably	
8·50	·1	1280	+·012		should have been that 0·25 in. = 4 oz.,	
8·48	·2	2600	+·017		instead of 5 oz., a most serious error.	
8·58	·3	3860	+·030		E.N.E. of church, in the yard of	509.
8·42	·4	5270	+·032		the old station.	
M 8·495	·5	6580	+·043			
8·70					Gauge not firmly fixed.	510.
8·48	·1	1510	-·005			
8·43	·2	3020	-·010			
8·42	·3	4290	+·001			
M 8·507	·394	5740	-·006			
11·92					Same gauge and in same position	511.
12·02					as when visited April 5th, 1869.	
12·00					See No. 299.	
11·93						
M 11·968						
8·45	·1	1450	-·001		Since previous testing (No. 293) a	512.
8·55	·2	2790	+·005		new glass has been provided,	
8·42	·3	4300	correct.		and the funnel either bent or	
8·60	·4	5780	-·003		renewed.	
M 8·505	·45	6450	correct.			

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
						ft. in.	feet.
513.	1874. Apr. 1.	YORKSHIRE. Border Hill, Swinden. WAKEFIELD NEW WATER Co.	III.	Negretti & Zambra	9 a.m.	.....	.....
514.	Apr. 1.	YORKSHIRE. Swinden Lodge. WAKEFIELD NEW WATER Co.	III.	Negretti & Zambra	8 a.m.	1 1	.....
515.	Apr. 1.	YORKSHIRE. Langsett. WAKEFIELD NEW WATER Co.	III.	Negretti & Zambra	.....	1 1	.....
516.	June 16.	YORKSHIRE. Gibbet, Halifax. HALIFAX CORPORATION. J. E. Lambert, Esq.	XII.	Guest & Chrimes	9 a.m.	5 0	568
517.	June 16.	YORKSHIRE. Victoria Reservoir, Halifax. HALIFAX CORPORATION. Mr. G. Moore.	XII.	Guest & Chrimes	9 a.m.	1 0	795
518.	June 16.	YORKSHIRE. Ramsden Wood, Halifax. HALIFAX CORPORATION. Mr. E. Dennis.	X.	Negretti & Zambra	9 a.m.	1 2	805
519.	June 16.	YORKSHIRE. Ogden Reservoir, Halifax. HALIFAX CORPORATION. Mr. John Smith.	X.	.....	9 a.m.	1 3	990
520.	June 16.	YORKSHIRE. Stansfield Hall, Todmorden. J. FIELDEN, ESQ., M.P. Mr. W. Fielden.	X.	Negretti & Zambra	9 a.m.	2 0	.....
521.	June 17.	YORKSHIRE. Walshaw Dean. HALIFAX CORPORATION. J. Midgeley.	I.	.....	Mon- days and 1st of month.	0 3	1380
522.	June 17.	YORKSHIRE. Midgeley Moor. HALIFAX CORPORATION. Mr. N. Greenwood.	I.	.....	Mon- days and 1st of month.	0 6	1350
523.	June 17.	YORKSHIRE. Warley Moor. HALIFAX CORPORATION. Mr. N. Greenwood.	I.	.....	Mon- days and 1st of month.	0 6	1425

RAIN-GAUGES (continued).

Diameters (that marked M = mean).	Equivalents of water.		Error at scale-point specified in previous column.	Azimuth and an- gular elevation of objects above mouth of rain- gauge.	Remarks on position &c.	Reference number.
	Scale- point.	Grains.				
in.	in.		in.			
					Site only of gauge inspected, the gauge having been broken and removed. Very open tableland, good position.	513.
5'04	'1	490	+ '003			
5'04	'2	1020	- '002		Rim of gauge rather flat. Gauge well exposed in open field.	514.
5'04	'3	1500	+ '002			
5'04	'4	2000	+ '003			
M 5'040	'5	2500	+ '004			
				N.W.-N.E. Wall, 40°.	Site only inspected, which was extremely bad, a mere shelf-like path on the northern side of a gorge.	515.
4'98	'1	490	+ '001	S. House, 33°.	Gauge erected on the base of the old Gibbet; site bad, but no better available.	516.
5'00	'2	960	+ '006	S.W. House, 52°.		
4'97	'3	1450	+ '006	N. Buildings, 12°.		
5'01	'4	1948	+ '005	W. Buildings, 25°.		
M 4'990	'5	2450	+ '004			
5'00	'1	460	+ '007		Very open position on side of reservoir.	517.
5'00	'2	950	+ '008			
5'00	'3	1450	+ '007			
4'98	'4	1950	+ '006			
M 4'995	'5	2435	+ '008			
7'96	'1	1275	correct.	S. House, 33°.	Clear except as noted.	518.
8'02	'2	2550	- '001	W. Reservoir bank, 25°.		
8'04	'3	3820	- '001			
8'00	'4	5040	+ '003			
M 8'005	'5	6320	+ '003			
8'02	'1	1280	- '001		Very open position.	519.
8'00	'2	2520	+ '002			
7'98	'3	3750	+ '005			
8'03	'39	4900	+ '005			
M 8'007						
7'98	'1	1320	- '004		In garden, quite unsheltered. Gauge old, and measuring-glass broken off at '41.	520.
8'05	'2	2590	- '003			
7'92	'3	3760	+ '005			
8'10	'4	5050	+ '003			
M 8'012					Gauge sunk in a box which was nearly level with the rim; put in sods to raise it 2 in. above the wood. Site quite open, and gauge correct.	521.
8'08						
8'10						
8'00						
M 8'07						
6'76					Gauge correct, and site very good.	522.
6'97						
6'86						
6'96						
M 6'888						
7'12			correct.		On open moor.	523.
7'06						
7'00						
7'00						
M 7'045						

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
524.	1874. June 17.	YORKSHIRE. Ovenden Moor. <i>HALIFAX CORPORATION.</i> <i>Mr. N. Greenwood.</i>	I.	.....	Mon- days and 1st of month.	ft. in. 0 6	feet. 1375
525.	July 30.	HAMPSHIRE. Ashdell, Alton. <i>F. CROWLEY, ESQ.</i> <i>F. Crowley, Esq.</i>	X.	Smith & Beck ...	9 a.m.	3 3	396
526.	July 30.	HAMPSHIRE. East Tisted Rectory, Alton. <i>REV. F. HOWLETT.</i> <i>Rev. F. Howlett.</i>	III.	Casella .....	.....	1 3	420
527.	July 30.	HAMPSHIRE. The Wakes, Selborne. <i>T. BELL, ESQ., F.R.S.</i> <i>Mr. W. Binnie.</i>	Square V.	Anon.....	9 a.m.	4 7	400
528.	July 30.	HAMPSHIRE. Chawton House, Alton. <i>MR. FRANCES.</i> <i>Mr. Frances.</i>	III.	Casella	9 a.m.	1 0	445
529.	July 31.	HAMPSHIRE. Wester Court, Alresford. <i>T. P. MAY, ESQ.</i> <i>T. P. May, Esq.</i>	X.	Negretti & Zambra	9 a.m.	0 9	253
530.	July 31.	HAMPSHIRE. Arle Bury, Alresford. <i>F. MARX, ESQ.</i> <i>Mr. Kinge.</i>	III.	Casella	9 a.m.	1 4	308
531.	July 31.	HAMPSHIRE. Otterbourn, Winchester. <i>J. B. YONGE, ESQ.</i> <i>J. B. Yonge, Esq.</i>	XII.	Casella .....	.....	1 0	115
532.	July 31.	HAMPSHIRE. Otterbourne, Winchester. <i>J. B. YONGE, ESQ.</i>	III.	Casella .....	.....	1 3	115
533.	Aug. 1.	HAMPSHIRE. Red Lodge, Southampton. <i>R. C. HANKINSON, ESQ.</i> <i>R. C. Hankinson, Esq.</i>	XII.	Casella	9 a.m.	0 5	200
534.	Aug. 1.	HAMPSHIRE. Red Lodge, Southampton. (Plantation Gauge.) <i>R. C. HANKINSON, ESQ.</i> <i>R. C. Hankinson, Esq.</i>	III.	Davis	9 a.m.	4 0	194

RAIN-GAUGES (*continued*).

Diameters (that marked M=mean).	Equivalents of water.		Error at scale-point specified in previous column.	Azimuth and an- gular elevation of objects above mouth of rain- gauge.	Remarks on position &c.	Reference number.
	Scale- point.	Grains.				
in.	in.		in.			
7'10	.....	.....	correct.	.....	On open flat moorland.	524.
7'00						
7'06						
7'10						
M 7'065						
7'98	'1	1290	- '002	S.S.W. Peas, 20°.	In garden, quite clear; ground level,	525.
8'00	'2	2550	- '001		but falling rapidly at a short	
8'01	'3	3800	correct.		distance.	
7'98	'4	5400	- '026			
M 7'993	'5	6340	correct.			
4'99	'1	495	correct.	S.E. Church-tower,	On lawn N.W. of church.	526.
5'00	'2	980	+ '002	28°.		
4'97	'3	1480	+ '001			
5'02	'4	1980	correct.			
M 4'995	'5	2470	+ '001			
6'0009	'028	200	- '003	N.E. Yew, 38°.	Position good, but glass very in-	527.
5'9509	'139	1320	- '024	S.W. Hill wooded,	correct; a new one supplied.	
6'0409	'278	2740	- '061	10°.		
6'0109	'417	4050	- '083			
M 6'0039	'556	5210	- '087			
3'00	'1	180	correct.	.....	Gauge not in use, but to be re-	528.
2'99	'2	340	+ '010		started August 1st, 1874. Fair	
3'01	'3	520	+ '010		position in garden.	
3'00	'4	692	+ '013			
M 3'000	'5	865	+ '017			
8'00	'1	1248	+ '001	S.E. Firs, 48°.	On N. side of a sunk fence, and	529.
7'98	'2	2500	+ '003		about 3 ft. from the edge; other-	
7'99	'3	3750	+ '004		wise good position.	
8'00	'4	5010	+ '005			
M 7'993	'5	6280	+ '004			
5'01	'1	470	+ '005	S.E. Limes, 42°.	In kitchen-garden; clear, except as	530.
4'99	'2	980	+ '002		noted.	
5'00	'3	1480	+ '001			
5'00	'4	1950	+ '007			
M 5'000	'5	2450	+ '006			
5'00	'1	500	- '001	S.W. Trees, 32°.	Open position in kitchen-garden.	531.
5'01	'2	1000	- '002	E.N.E. Peas, 30°.		
5'00	'3	1500	- '002			
5'00	'4	2000	- '003			
M 5'002	'5	2500	- '004			
4'94	.....	.....	.....	.....	Close to 531.	532.
5'00						
5'02						
4'97						
M 4'983						
5'03	'1	480	+ '003	N.E. House, 25°.	On lawn; clear, except as noted.	533.
4'94	'2	1000	- '002			
4'98	'3	1470	+ '003			
5'04	'4	1960	+ '004			
M 4'998	'5	2460	+ '003			
5'03	'1	490	+ '001	.....	In plantation, S.W. of house;	534.
4'96	'2	1000	- '002		clear at present.	
4'99	'3	1460	+ '004			
4'98	'4	1970	+ '001			
M 4'990	'5	2450	+ '004			

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
535.	1874. Aug. 1.	DORSETSHIRE. Upwey. <i>J. MILLER, ESQ.</i> <i>J. Miller, Esq.</i>	III.	Casella	9 a.m.	ft. in. 1 3	70
536.	Aug. 3.	DORSETSHIRE. Osmington Lodge, Weymouth. <i>MAJOR HALL.</i> <i>Major Hall.</i>	XII.	Casella	9 a.m.	1 0	270
537.	Aug. 3.	DORSETSHIRE. Abbotsbury. <i>EARL OF ILCHESTER.</i> <i>Mr. Dight.</i>	XII.	Casella	9 a.m.	3 0	140
538.	Aug. 4.	DORSETSHIRE. St. Andrew's Villas, Bridport. <i>A. STEPHENS, ESQ.</i> <i>A. Stephens, Esq.</i>	X.	Negretti & Zambra	9 a.m.	1 3	60
539.	Aug. 4.	DORSETSHIRE. Bridport. <i>A. STEPHENS, ESQ.</i> <i>Mr. H. Hoare.</i>	X.	Negretti & Zambra	9 a.m. 1st.	1 3	45
540.	Aug. 4.	DORSETSHIRE. Spring Cottage, Lyme Regis. <i>H. TUCKER, ESQ.</i> <i>H. Tucker, Esq.</i>	XI.	Negretti & Zambra		4 6	270
541.	Aug. 4.	DEVONSHIRE. Clevelands [Lyme Regis]. <i>E. L. AMES, ESQ.</i>	XI.	Negretti & Zambra	9 a.m.	1 0	463
542.	Aug. 4.	DEVONSHIRE. White Cliff Glen, Scaton. <i>T. F. A. BYLES, ESQ.</i> <i>T. F. A. Byles, Esq.</i>	XI.	Negretti & Zambra	10 a.m.	2 0	160
543.	Aug. 4.	DEVONSHIRE. Sidmount, Sidmouth. <i>DR. RADFORD.</i> <i>Dr. Radford.</i>	III.	Casella	9 a.m.	1 0	149
544.	Aug. 4.	DEVONSHIRE. Sidmount, Sidmouth. <i>DR. RADFORD.</i> <i>Dr. Radford.</i>	.....	.....		8 7	195
545.	Aug. 6.	DEVONSHIRE. Mount Tavy, Tavistock. <i>H. CLARK, ESQ.</i>	III.	Casella		1 3	316

RAIN-GAUGES (*continued*).

Diameters (that marked M = mean).	Equivalents of water.		Error at scale-point specified in previous column.	Azimuth and an- gular elevation of objects above mouth of rain- gauge.	Remarks on position &c.	Reference number.
	Scale- point.	Grains.				
	in.	in.	in.			
	4.98	.1	510	-.002	E. Thorn bush, 43°.	On lawn in rear of house; good position.
	5.03	.2	1010	-.003		
	5.03	.3	1500	-.001		
	5.00	.4	2000	-.002		
M	5.010	.5	2500	-.002	N.W. House, 25°. N.W. Pear-tree, 27°.	536.
	5.00	.1	490	+.001		
	5.00	.2	980	+.003		
	5.02	.3	1500	-.002		
	5.00	.4	1980	+.001		
M	5.005	.5	2450	+.007	S.E. Oak and mulberry, 42°.	Gauge to be moved 40 ft. N., when all will be under 20°.
	4.98	.1	490	+.001		
	5.02	.2	broken.			
	4.99					
M	5.01				E. Elms, 52°. N.W. House, 42°. N.E. Elms, 30°.	Position not good, but no better available.
	5.000					
	8.02	.1	1210	+.004		
	7.98	.2	2510	+.002		
	7.98	.3	3740	+.005		
M	7.99	.4	5090	-.002	Very good position in field; kept as a check on 538.
	7.993	.5	6340	correct.		
	8.00	.1	1270	correct.		
	8.00	.2	2570	-.003		
	8.00	.3	3770	+.003	S.W. Trees, 38°.	On N.E. slope of hill, at side of road. Position not good, but no better on the premises.
M	7.98	.4	5050	+.002		
	7.995	.5	6350	-.001		
	4.98	.1	500	-.001		
	4.99	.2	1000	-.002		
M	5.01	.3	1470	+.003	E.N.E. Pear, 33°. N.N.W. Tree, 41°.	Very good position in kitchen- garden.
	5.00	.4	1980	correct.		
	4.995	.5	2480	-.001		
	5.00	.1	475	+.004		
	5.01	.2	940	+.011	S. Hill, 32°.	On a rapid slope, in the best posi- tion available.
M	5.02	.3	1450	+.008		
	5.00	.4	1950	+.008		
	5.007	.5	2465	+.004		
	5.02	.1	460	+.007		
	4.98	.2	950	+.009	S.E. & S.W. Elms 40°.	On lawn; open, except as noted.
	5.02	.3	1450	+.008		
M	5.00	.4	1940	+.009		
	5.005	.5	2440	+.009		
	5.03	.1	490	+.001	S.E. Elms, 20°.	Very good position.
	4.98	.2	980	+.002		
	4.95	.3	1480	+.001		
	5.01	.4	1970	+.002		
M	4.993	.5	2460	+.002		
	5.02	.1	490	+.002	N. Beech, 72°.	Gauge to be moved 40 ft. S., where tree = 40°, and all else clear.
	5.01	.2	980	+.003		
	5.00	.3	1470	+.005		
M	5.01	.4	1960	+.006		
	5.010	.5				
	5.00	.1	500	-.001	
	4.99	.2	990	correct.		
	5.00	.3	1490	-.001		
	4.99	.4	1980	correct.		
M	4.995	.5	2470	+.001		

EXAMINATION OF

Reference number.	Date of examination.	COUNTY. Station. OWNER. Observer.	Construction of gauge.	Maker's name.	Time of reading.	Height of gauge.	
						Above ground.	Above sea-level.
546.	1874. Aug. 6.	DEVONSHIRE. Rundlestone, Dartmoor. <i>G. J. SYMONS, ESQ.</i>	XII.	Casella		ft. in. 1 0	feet. 1450
547.	Aug. 6.	DEVONSHIRE. Prison Garden, Dartmoor. <i>G. J. SYMONS, ESQ.</i> <i>R. E. Power, Esq., M.D.</i>	XII.	Casella	9 a.m.	0 10	1381
548.	Aug. 6.	DEVONSHIRE. Kilworthy Hill, Tavistock. <i>W. MERRIFIELD, ESQ.</i> <i>W. Merrifield, Esq.</i>	XII.	Casella	9 a.m.	0 8	362
549.	Aug. 7.	DEVONSHIRE. Oaklands, Okehampton. <i>W. H. HOLLEY, ESQ.</i> <i>W. H. Holley, Esq.</i>	XII.	Casella ..	9 a.m.	1 0	521
550.	Aug. 7.	DEVONSHIRE. Lit. and Sci. Instit., Barnstaple. <i>LIT. AND SCI. INSTITUTION.</i> <i>Mr. Knill.</i>	X.	Negretti & Zambra	9 a.m.	0 8	31
551.	Aug. 8.	DEVONSHIRE. Northam, Bideford. <i>REV. J. D. CHURCHWARD.</i> <i>Rev. J. D. Churchward.</i>	XII.	Casella	9 a.m.	1 1	173
552.	Aug. 8.	DEVONSHIRE. Horwood, Bideford. <i>REV. J. DENE.</i> <i>Rev. J. Dene.</i>	III.	Pastorelli	9 a.m.	1 0	304
553.	Aug. 8.	DEVONSHIRE. Great Torrington. <i>REV. S. BUCKLAND.</i> <i>Rev. S. Buckland.</i>	XII.	Apps ..	Noon.	1 0	330
554.	Aug. 8.	DEVONSHIRE. Langtree Wick (daily). <i>MISS NUNES.</i> <i>Miss Nunes.</i>	XII.	Pastorelli	9 a.m. daily.	1 0	451
555.	Aug. 8.	DEVONSHIRE. Langtree Wick (monthly). <i>MISS NUNES.</i> <i>Miss Nunes.</i>	XII.	Casella		1 0	451
556.	Aug. 10.	SOMERSET. Gay Street, Bath. <i>C. S. BARTER, ESQ., M.B.</i> <i>C. S. Barter, Esq., M.B.</i>	XI.	.....	9 a.m.	1 3	.....