

RAINFALL AT Cookstown Lissan Tyrone.

Lat.....

Long.....

County of Londonderry

Rain Gauge, by.....

Observer Mr. Staples Esq. Pt.

Bourn, L. height W - 2.

Diameter.....	5									
Height	4									
Altitude.....	300									
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879
										MEANS.
January.....	5.62	3.27	7.41	2.54	8.01	5.59	2.44			
February.....	1.51	2.01	1.40	4.70	5.93	2.68	2.03			
March.....	2.76	2.47	1.92	5.04	3.48	2.43	2.73			
April.....	9.0	3.00	5.53	2.84	3.86	3.27	2.75			
May.....	3.17	1.93	3.11	6.3	2.85	4.71	3.11			
June.....	2.80	1.65	3.16	3.01	3.02	4.97	5.32			
July.....	5.56	4.08	3.20	2.48	4.33	3.33	5.53			
August.....	5.98	4.66	4.02	3.48	5.91	4.00	3.74			
September.....	2.62	4.75	4.68	5.18	2.38	3.76	4.77			
October.....	5.79	4.77	5.69	5.38	5.74	5.42	(2.22)			
November.....	5.03	4.86	6.16	4.56	6.35	3.67	1.05			
December.....	1.98	4.50	2.97	8.42	6.05	3.63	(2.23)			
TOTALS.....	43.52	41.95	44.25	48.26	55.91	44.46	(3792)			

See next sheet. Slight discrepancies not explained. ^{ca.} _{13.100}

The rain gauge is one similar to those used in Scotland. It is 5 in in diameter placed on grass plot 4 in above the hard ground and 60 ft from the nearest garden wall which is nearly due East. There are no trees South North or West but small garden plants. The record is taken each morning but I notice a mistake I fear I have made in recording the fall that I have recorded on the 1st of a month that which was measured that day. This will make no difference in the annual fall and little in the monthly. Lissan lies at the foot of Slieve Gullion mountain which is 1700 ft above the sea 3 miles nearly due north of Lissan. There is a good deal of large timber in the Demesne and it appears to me that much of the rain from S.W. is caught by the circle of hills.

Extract from a letter from Mr. Staples Esq dated Sept. 15th 1874

1879 Oct 2^d Decth Gauge leaky amount computed

RAINFALL AT Cookstown, Lissan.

Lat.

Long.

County of

Tyrone

Rain Gauge, by

Observer

J. H. Staples Esq.

Barn, L. height W-2.

Diameter.....					5						
Height.....					— 10						
Altitude.....					300						
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....					3.26	7.41	2.64	8.01	5.59	2.44	
February.....					2.01	1.40	4.79	3.93	2.68	2.07	
March.....					2.47	1.92	5.04	3.48	2.43	2.73	
April.....					3.56	.53	2.84	3.86	3.27	2.75	
May.....					1.93	3.11	.63	2.71	4.71	3.11	
June.....					1.65	3.16	3.01	3.02	4.97	5.32	
July.....					4.08	3.20	2.48	4.33	33	5.43	
August.....					4.66	4.02	3.48	5.91	4.00	3.74	
September.....					4.81	4.61	5.18	2.38	3.76	4.77	
October.....					4.77	5.70	5.38	5.74	5.42	2.22	
November.....					4.86	6.16	4.56	6.35	3.67	1.46	
December.....					4.50	2.97	8.42	6.05	3.63	2.23	
TOTALS.....					42.56	44.19	48.35	55.77	44.46	38.26	

See previous sheet. Slight discrepancies not explained as
12. II. 1909.

Recd from A. Watt (Scot. Met. Soc.) 12. II. 1909. Entered 12. II. 1909.

Cookstown Sta. 3 mi S.E.

RAINFALL AT Cookstown, Lissan.

Lat. Lon. County of Tyrone
 Rain Gauge, by Observer J. H. Staples Esq.
 Bann, L. height w - 2.

Diameter	5										
Height	- 10										
Altitude	300										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.53	.82	2.66	.61	7.37	3.60	5.43	2.81	2.62	3.93	3.138
February	3.25	4.73	3.30	4.90	4.33	4.43	3.26	2.26	.98	3.92	3.536
March	2.90	4.19	4.46	2.57	4.11	2.69	3.67	2.05	4.76	2.20	3.360
April	4.69	2.09	4.46	1.86	2.03	3.12	2.11	1.97	(1.00)	3.97	2.730
May	1.41	2.30	2.60	.83	3.35	2.74	4.15	2.10	3.65	3.72	2.685
June	3.78	4.45	3.95	.75	7.5	1.22	2.33	1.17	4.46	.43	2.329
July	4.96	3.36	7.48	3.44	3.15	1.94	3.71	3.10	6.10	3.34	4.058
August	2.08	4.34	2.92	4.70	3.59	2.10	2.79	3.12	4.36	5.93	3.593
September	3.83	3.15	4.23	6.78	3.98	6.38	3.57	3.89	2.07	3.12	4.100
October	1.47	3.73	4.40	5.26	4.21	4.47	5.98	2.50	1.76	4.23	3.801
November	5.03	4.96	7.56	5.43	4.20	2.68	3.71	3.00	5.22	3.15	4.494
December	2.88	4.46	4.17	3.30	4.69	2.88	6.55	3.91	3.90	3.94	4.068
TOTALS	37.81	42.58	52.19	40.43	45.76	38.25	47.26	31.88	(40.88)	41.88	41.892

Recd. from Mr. A. Watt (Sci. Nat. Soc.) 12. II. 09. Entered 12. II. op.

Apr 1888 et^d for annual maps
 Cookstown Station 3 miles SSE

RAINFALL AT Cockstown, Lissan.

Lat.

Lon.

County of

Tyrone

Rain Gauge, by

Observer

J. H. Staples Esq.
Bann, L. Leagh W-2.

Diameter	5										
Height	- 10										
Altitude	300										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.65	2.79	4.00	3.35	6.13	3.77	2.57	1.66	2.45	4.09	3.646
February	1.39	.57	2.46	4.31	5.88	50	2.75	4.14	4.11	3.52	2.963
March	3.48	2.56	1.10	2.34	3.49	4.88	5.66	5.80	1.23	2.85	3.339
April	2.08	3.39	1.18	1.69	3.67	1.92	2.49	3.21	4.33	4.44	2.840
May	2.22	4.16	5.03	1.47	2.95	.77	.72	3.10	4.35	4.52	2.929
June	3.31	2.80	4.76	1.98	3.19	2.33	3.90	7.17	3.54	2.35	3.533
July	3.08	2.84	2.81	2.89	4.13	4.65	5.93	2.27	.47	3.19	3.226
August	4.73	6.49	5.66	5.28	2.46	5.92	2.47	4.92	4.92	2.39	4.524
September	3.98	4.09	4.06	2.96	.15	.57	5.12	2.30	4.22	3.76	3.121
October	2.64	4.38	4.58	4.22	5.49	4.24	4.24	3.19	4.60	2.26	3.984
November	9.71	3.16	5.15	3.35	3.17	4.42	1.78	3.13	5.04	3.55	4.246
December	1.98	6.22	3.11	5.05	4.79	5.68	5.45	5.88	4.69	6.08	4.873
TOTALS	144.25	43.45	43.90	38.89	45.50	39.65	43.08	46.77	43.95	(4300)	42.244

 rough copy
from two stations

Recd. from Mr. A. Watt (Soc. Met. Soc.) 12.11.09. Entered 12.11.09.

Cockstown Station 3 miles SSE

1899 distributed by Stewarton The Tyrone

RAINFALL AT Cookstown, Lissan

Lat. 54° 41' N.

Lon. 6° 45' W. County of Tyrone

Rain Gauge, by

Observer

Dear, L. Augt W. - 2.

J. H. Staples Esq.

Diameter ..	5										
Height ..	- 10										
Altitude ..	300										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	(4.50)	4.58	3.11	6.91	4.18	3.10	4.33	1.98	3.40	3.54	30.63
February ..	(2.50)	1.88	3.23	3.74	4.95	2.96	3.44	3.45	3.12	2.28	3.155
March ..	1.04	3.57	2.77	5.78	2.69	4.75	3.34	5.39	4.40	4.60	3.833
April ..	3.75	2.68	3.11	1.73	3.65	2.10	3.22	2.72	3.58	4.46	31.00
May ..	3.86	1.76	4.46	2.28	2.49	1.75	4.72	4.99	2.61	2.69	3.161
June ..	5.05	2.87	2.94	1.64	2.02	3.13	1.10	5.93	1.99	1.98	28.65
July ..	3.57	1.24	3.45	4.38	3.78	2.30	2.94	3.82	3.75	2.82	3.235
August ..	4.55	3.74	3.29	5.91	4.90	5.84	3.95	4.36	2.86	2.32	41.72
September ..	3.04	5.17	2.74	3.49	4.49	2.06	1.62	1.03	4.79	1.94	3.037
October ..	5.76	5.17	2.21	6.56	1.96	1.89	4.71	4.50	2.34	4.46	3.956
November ..	6.20	4.38	4.15	3.03	3.50	3.93	3.74	3.84	4.33	1.46	3.856
December ..	3.94	4.05	3.91	3.84	3.17	3.08	4.70	4.36	4.26	3.91	3.923
TOTALS ..	(47.76)	41.09	39.67	49.29	41.78	36.89	41.81	46.87	41.43	36.46	42.255

H.W.B.

Back years 1874-1907 recd. from Mr. A. Watt (Scot. Met. Soc.) 12.II.'09

Entered 12.II.'09.

Jan Feb 1900 estd for annual map

Cookstown Station 3 miles SSE.

1909 Lissan Church 3 miles SW.

RAINFALL at Cookstown Lissan House

County of Tyrone

Observer

J.H. Stapleton

Ballymena

River Basin Bann, Lough Neagh, West

2

Rain Gauge, by

Diameter ...	5										
Height	0.10										
Altitude ...	300	310									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.65	1.74	3.86	4.79	2.33	3.58	2.39				
February ...	4.88	3.21	2.95	1.75	4.24	4.46	4.00				
March	2.24	1.38	4.33	3.39	5.56	.80	1.22				
April	2.87	1.89	1.24	3.49	1.27	2.80	4.58				
May	2.04	2.16	1.40	3.69	1.30	1.25	4.34				
June	3.77	1.74	4.41	2.55	.79	2.81	1.89				
July	3.37	2.65	3.82	1.44	1.71	3.63	.87				
August.....	5.82	2.21	4.10	1.03	3.57	3.11	3.05				
September ..	1.78	1.63	1.09	2.90	1.24	1.15	1.02				
October ...	1.73	2.97	3.45	2.95	1.61	2.52	6.67				
November ..	3.45	4.95	2.93	2.69	5.12	2.06	3.45				
December ...	3.50	5.00	4.77	2.88	5.80	6.16	2.32				
TOTALS ...	38.05	31.53	38.35	33.55	34.54	34.33	35.80	NR			
	P	P	P	P	P	P	P	P			

1913 Box hedge 10 ft high 15 yds N
from house 2d. 20. 45

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	54°41'	6°45'	Cookstown	3 m	SE SW	Lissan $\frac{1}{2}$ m from N.E.	1½ m	N