
Deeping Fen
General Drainage Works

DEEPIG FEN GENERAL
WORKS OF DRAINAGE.

Abstract
of

Accounts

for the

Year ending 31st. March, 1931.

Annual Meeting 13th May, 1931.

CALTHROP & LEOPOLD HARVEY,

Clerks.

The West Elloe Printing Co., Spalding.

TO THE PROPRIETORS OF LANDS

IN DEEPING ST. NICHOLAS.

TRUSTEES.

The Marquis of Exeter,	Mr. Samuel Freir,
Mr. R. Cooke, Jnr.,	„ Lucas Atkinson,
„ Frank W. Dennis,	„ T. H. Richardson,
„ E. E. Welby-Everard,	„ T. A. Pick,
„ C. E. Andrews,	„ H. Searby.

SUPERINTENDENT.

Mr. Henry Bain, King's Road, Spalding.

ENGINEER.

Mr. H. Richardson, Engine House, Pode Hole, Spalding

RECEIVERS OF RENTS AND TAXES.

Messrs. Calthrop & Leopold Harvey, Spalding.
Messrs. Sharpe, Wade & Whittome, Market Deeping.

TREASURERS.

Lloyds Bank Ltd., Spalding.

AUDITORS.

Messrs. Stephenson, Smart & Co.

CLERKS.

Messrs. Calthrop & Leopold Harvey, Spalding.

Lords and Gentlemen,

We forward by order of the Trustees of the Deeping Fen Drainage Act, 1856, an Abstract of their Accounts as prepared for the ensuing Annual Meeting which will be held at the Corn Exchange, in Spalding, on Wednesday, 13th May next, at 12 o'clock noon.

We are,

Your very obedient Servants,

Calthrop & Leopold Harvey,

Clerks to the Trustees.

Spalding, May, 1931.

Abstract of the Accounts
DEEPING FEN GENERAL
For the Year Ending
IN RESPECT OF THE

Dr.	EXPENDITURE	£ s. d.	£ s. d.
To Balance 1st April, 1930	...		4969 14 2
„ PODE HOLE ENGINES			
Labour	...	455 16 0	
Repairs	...	21 4 7	
Rates	...	3 0 0	
Oil and Fuel	...	436 5 1	
Carpenter	...	59 9 2	
Building repairs	...	4 18 0	
Replacements	...	75 6 6	
Insurances	...	158 17 11	
Carriage	...	1 6 0	
Smithswork	...	2 19 1	
Cleaning materials	...	9 17 9	
		1229 0 1	
„ COUNTER DRAIN			
Roding, Colching, &c.	...	92 17 11	92 17 11
„ VERNATTS' DRAIN			
Destroying Rabbits	...	252 12 9	
Repairs	...	4 4 11	
Roding and Piling	...	80 12 6	
Labour and Cotting	...	193 8 1	
Dredging	...	148 2 0	
Coal	...	24 16 0	
		703 16 3	
„ RIVER GLEN			
Repairs	...	91 10 10	
Labour and Roding	...	20 1 3	
Rents and Acknowledgments	...	1 0 0	
		112 12 1	
„ RIVER WELLAND			
Labour	...	38 8 8	
Repairs	...	6 18 8	
Roding, &c.	...	29 6 8	
		74 14 0	
„ GENERAL WORKS			
Concrete Tubes and Replacements	...	179 17 0	
Faggots	...	22 14 3	
Boat Repairs	...	6 13 2	
Licences	...	27 0 0	
Painting	...	30 18 1	
Water Supply	...	7 10 10	
Bricklayer, &c.	...	36 1 7	
Blacksmith and Carpenter	...	32 10 10	
Labour, Roding, Dredging and Cotting	...	1174 4 7	
National Insurance	...	76 10 0	
Fuel and Oil	...	73 8 1	
Telephone	...	12 9 9	
Stationery	...	3 1 1	
Rates	...	4 11 9	
Miscellaneous Expenses	...	4 10 6	
		1692 1 6	
Carried forward			£8874 16 0

of the Trustees of the
WORKS OF DRAINAGE
31st March, 1931
GENERAL WORKS.

	RECEIPTS	£ s. d.	£ s. d.
By Arrears of Taxes	...		1 0 0
GENERAL WORKS TAX:—			
DEEPING ST. NICHOLAS.			
Amount of 1 year's Tax @ 4/- an acre			
charged on 15217a. 3r. 29p. due 11/10/30	...	3043 11 8	
„ on Hide's Farm @ 4/- an acre on 294a. 0r. 7p.	...	58 16 6	
„ on Counter Drain Washes @ 4/- an acre			
on 412a. 3r. 4p.	...	82 11 2	
„ @ 6d. an acre on 235a. 1r. 38p.	...	5 17 9	
FIRST DISTRICT			
The like @ 4/- an acre on 1034a. 3r. 11p.	...	206 19 6	
SECOND DISTRICT			
The like @ 4/- an acre on 1273a. 3r. 16p.	...	254 15 6	
THIRD DISTRICT			
The like @ 4/- an acre on 1450a. 1r. 12p.	...	290 1 10	
FOURTH DISTRICT			
The like @ 6d. an acre on 1527a. 0r. 2p.	...	38 3 3	
FIFTH DISTRICT			
The like @ 4/- an acre on 2455a. 1r. 34p.	...	491 1 10	
SIXTH DISTRICT			
The like @ 4/- an acre on 2715a. 2r. 17p.	...	543 2 5	
The like @ 6d. an acre Gravel Drain District	...	7 15 1	
CROWLAND COMMON			
The like @ 4/- an acre on 1100a. 2r. 9p.	...	220 2 6	
MONKS HOUSE FARM			
The like @ 4/- an acre on 224a. 2r. 0p.	...	44 18 3	
DUCK HALL FARM			
The like @ 4/- an acre on 231a. 2r. 18p.	...	46 6 6	
		5334 3 9	
ADVENTURER'S TAX:—			
One year's Tax @ 1/6 an acre charged in perpetuity			
on 10091a. 1r. 18p.	...		756 17 6
RENTS, &c. :—			
Amount of one year's Rent of Public Houses, Lands and Fisheries (late estate of the Adventurers) due 11/10/30	...	567 2 6	
Cash of W. T. Coddington—One year's Rent of Garden	...	10 0	
„ „ R. Pick's Exors. for maintenance of Fence, Deeping High Bank	...	1 0	
„ „ L. & N.E. Rly. Co.—One year's allowance for clearing bridges	...	5 0 0	
Carried forward		£572 13 6	£6092 1 3

Dr.

EXPENDITURE

	£	s.	d.	£	s.	d.
Brought forward				8874	16	0
To SALARIES						
Richardson, H., Engineer	...	270	16	8		
Bain, H., Superintendent	...	375	0	0		
Calthrop & Leopold Harvey, Receivers	...	98	15	0		
" " " Clerks	...	173	15	0		
Sharpe, Wade & Whittome, Receivers	...	47	10	0		
Stephenson, Smart & Co., Auditors	...	12	12	0		
				978	8	8
„ MISCELLANEOUS EXPENSES						
Meeting Expenses	...	47	6	9		
Loan Account Interest	...	323	15	0		
Rates	...	546	6	0		
Income Tax	...	328	14	9		
Office Rent	...	37	10	0		
Printing, Stationery and Postages	...	80	5	11		
Insurance	...	83	13	0		
Bank Charges	...	20	7	3		
Holland County Council, re Sharpe's Bridge	...	300	0	0		
				1767	18	8
„ Arrears of Rents and Rates	...			21	4	7
„ Allowance to Tenants (including £2 to E. D. Cooke re Calthrops Dyke)	...			17	0	6
„ Rates on Lands in Tallington and Uffington	...			5	8	11
				11664	17	4

£11664 17 4

RECEIPTS

	£	s.	d.	£	s.	d.
Brought forward				572	13	6
BY RENTS, &c. cont. :-						
Cash of C. W. Bealby—One year's acknowledgment for placing footbridge over River Glen at Surfleet due Lady Day, 1930	...					6
" " Hy. Harvey—One year's rent of House due 11/10/30	...	11	4	0		
" " E. Cooke, J. K. Gandy & A. C. Preston	...	6	0	0		
" " W. Dennis & Son—Light Railway along South Drove	...	3	3	0		
" " G.P.O.—One year's acknowledgment for erection of Stays on River Bank, High Bridge, 1930—31	...			16	6	
" " Revd. Grey—One year's rent of land due April, 1930	...			10	0	
" " Anglo-Scottish Beet Sugar Corporation Ltd., for right to take water from the Vernatts' Drain to Sept., 1930	...	200	0	0		
Acknowledgments of Bungalows at Surfleet	...	36	7	7		
Sundry small acknowledgments	...	1	0	0		
Cash of T. B. Fairbanks & Sons—Rent of land due 11/10/30	...	3	0	0		
" " R. Glenn—One year's rent of land 11/10/30	...			10	0	
Rent of lands in Counter Drain Washes	...	34	0	0		
Cash of Hy. Garwell—Rent of House due 26th March, 1931	...	10	8	0		
						879 13 1
" " J. Holden—One year's Rent of Slipe at Locks Mill	...			2	6	
" " F. Fletcher—One year's Rent of Garden at Pode Hole	...			2	6	
" " W. Chapman—One year's Rent of Garden at Pode Hole	...			2	6	
						7 6
Amount withdrawn from Deposit and Interest allowed	...			301	5	11
Bank Interest	...			7	17	4
Cash of Ocean Accident Corporation Ltd.—Reimbursement accident to workman	...					4 10 0
" " Spalding U.D.C.—Refund on Rates and Hire of Plant	...					6 12 4
" " Hire of Motor Lorry	...					11 14 8
Sale of Boiler, &c.	...					16 5 0
Balance	...					4344 10 3
						11664 17 4

£11664 17 4

Dr.

THE FIRST

DISTRICT

Cr.

	£	s.	d.	£	s.	d.
To Balance 1st April, 1930	...			27	12	5
" Labour and Roding	...			90	13	1
" Rates	...			11	5	5
" Bain, H., Salary	...			14	10	0
" Calthrop & Leopold Harvey—Clerks' Salary	...	2	19	0		
" " " " Receivers' Salary	...	5	16	10		
				8	15	10
				152	16	9

£152 16 9

	£	s.	d.
By One year's Interior Tax at 1/6 an acre charged on 1034a. 3r. 11p.	...		77 12 10
" Rent of Banks and Slipes	...		32 9 6
" Balance 31st March, 1931	...		42 14 5

£152 16 9

Dr.

THE SECOND

DISTRICT

Cr.

	£	s.	d.	£	s.	d.
To Labour and Roding	...			95	11	5
" Repairs, Pipes, &c.	...			31	3	8
" Rates	...			11	18	5
" Bain, H., Salary	...			18	10	0
" Calthrop & Leopold Harvey—Clerks' Salary	...	3	10	10		
" " " " Receivers' Salary	...	7	4	6		
				10	15	4
				167	18	10

£167 18 10

	£	s.	d.
By Balance 1st April, 1930	...		42 8 9
" Rent of Banks and Slipes	...		39 0 0
" One year's Interior Tax at 1/- an acre charged on 1273a. 3r. 16p.	...		63 13 8
" Balance 31st March, 1931	...		22 16 5

£167 18 10

Dr.

	£	s.	d.	£	s.	d.
To Labour and Roding				68	18	11
Rates				9	0	8
Bain, H.—Salary				20	10	0
Calthrop & Leopold Harvey—Clerks' Salary	3	18	0			
" " " "—Receivers' Salary	8	3	8			
Balance 31st March, 1931				12	1	8
				30	7	8
				<u>£140</u>	<u>18</u>	<u>11</u>

Dr.

	£	s.	d.	£	s.	d.
To Labour and Roding				127	15	10
Rates				11	7	2
Bain, H.—Salary				34	0	0
Calthrop & Leopold Harvey—Clerks' Salary	7	1	0			
Sharpe, Wade & Whittome—Receivers' Salary	5	12	2			
Balance 31st March, 1931				12	13	2
				90	2	10
				<u>£275</u>	<u>19</u>	<u>0</u>

Dr.

	£	s.	d.	£	s.	d.
To Balance 1st April, 1930				20	5	0
Labour and Roding				115	19	8
Rates				13	14	4
Bain H.—Salary				37	10	0
Calthrop & Leopold Harvey—Clerks' Salary	8	16	2			
Sharpe, Wade & Whittome—Receivers' Salary	6	17	10			
Arrears of Rates				15	14	0
Balance 31st March, 1931				22	13	5
				47	15	8
				<u>£273</u>	<u>12</u>	<u>1</u>

LOAN

	£	s.	d.
To Balance	6586	19	9
Interest to 30th December 1930	323	15	0
	<u>£6910</u>	<u>14</u>	<u>9</u>

SUMMARY OF

	£	s.	d.
General District	4344	10	3
First do	42	14	5
Second do	22	16	5
Lloyds Bank Ltd.—General Account	1874	14	4
	<u>£6284</u>	<u>15</u>	<u>5</u>

TIMES OF WORKING THE ENGINES FROM THE 1st APRIL, 1930,
TO 31st MARCH, 1931.

The Elloe Engine, 50 days 8 hours, at 12 hours per day.
The Welby Engine, 33 days, 4 hours, at 12 hours per day.
The William Dennis Engine, 167 days 1 hour, at 12 hours per day.

ESTIMATED STOCK IN HAND.

Fuel Oil—9 Tons. Coal and Coke— $\frac{3}{4}$ Ton Petroleum—45 Gallons.
Engine Oil—140 Gallons. Waste—1 Stone. Spun Yarn—Nil.

Rainfall for the same period 25.91 inches.

DISTRICT

Cr.

	£	s.	d.
By Balance 1st April, 1930	10	3	5
One Year's Interior Tax at 1/6 an acre on 1450a. 1r. 12p.	108	15	6
Rent of Banks and Slipes	22	0	0
	<u>£140</u>	<u>18</u>	<u>11</u>

DISTRICT

Cr.

	£	s.	d.
By Balance 1st April, 1930	94	8	6
One Year's Interior Tax at 1/6 per acre on 2455a. 1r. 24p.	122	15	6
Rent of Banks and Slipes	50	15	0
Rent of Lands	7	0	0
Rent of Fishery	1	0	0
	<u>£275</u>	<u>19</u>	<u>0</u>

DISTRICT

Cr.

	£	s.	d.
By Arrears of Taxes 1st April, 1930	49	3	8
One Year's Tax at 1/6 per acre on 2716a. 1r. 10p.	203	13	5
Rent of Banks and Slipes	19	10	0
Rent of Garden	1	5	0
	<u>£273</u>	<u>12</u>	<u>1</u>

ACCOUNT

	£	s.	d.
By Sale of Bricks &c.	16	5	0
General A/c. Repayment of Principal	454	5	6
" " " Interest to 31/12/1930	323	15	0
Balance	6116	9	3
	<u>£6910</u>	<u>14</u>	<u>9</u>

BALANCES, 31st MARCH, 1931

	£	s.	d.
Third District	30	7	8
Fifth do.	90	2	10
Sixth do.	47	15	8
Lloyds Bank Ltd.—Loan Account	6116	9	3
	<u>£6284</u>	<u>15</u>	<u>5</u>

We have examined the above Accounts with the Books and Vouchers and find the same correct.

STEPHENSON, SMART & Co.,

May, 1931.

Auditors.

PODEHOLE ANNUAL RAINFALL FROM 1829 TO 1908.

Year.	Inches.	Remarks.
1829	30.25	
1830	34.38	Glen Bank broke
1831	34.32	Glen Bank broke
1832	28.87	
1833	24.95	
1834	18.10	Dry, July excepted
1835	24.20	
1836	26.65	
1837	23.90	Glen Bank broke
1838	21.10	
1839	31.65	
1840	21.30	
1841	29.45	Coal used—1,350 Tons.—Several new drainage steam engines erected in the Fens
1842	32.10	
1843	29.45	
1844	22.20	Low rainfall
1845	27.25	
1846	26.10	8 years' average—27 inches
1847	25.62	"Kesteven" engine wheel lowered 14 ins., first time
1848	34.30	
1849	27.45	
1850	20.93	
1851	22.25	
1852	31.00	Great Floods in the Fens and in Cowbit Wash
1853	26.62	
1854	17.75	Slightly below 1834—Dry
1855	22.00	
1856	22.62	Vernatt's New Sluice opened
1857	27.87	Similar to 1854
1858	17.50	
1859	25.25	
1860	30.37	
1861	25.75	
1862	24.87	"Holland" engine wheel lowered 14in., first time
1863	22.87	
1864	17.62	Dry year; similar to 1854
1865	29.12	Welland landed up by Tides
1866	26.75	
1867	23.37	Hot Dry Springs! Pastures burnt up Max. June, July. Rainfall 3 in.
1868	24.75	
1869	27.87	May Flood
1870	16.87	Lowest yet recorded
1871	25.50	
1872	33.50	Glen Bank broke into Bourne North Fen
1873	19.62	"Holland" engine wheel lowered 18in.
1874	16.25	Another ten years since 1864 dry
1875	34.25	Great change set in in this year
1876	31.00	North and South Drove Drains cleaned out
1877	24.25	Glen Bank broke into Bourne North Fen. Great Flood in Cowbit [Wash. Water at Duck Hall 18in. deep on Road
1878	25.26	
1879	24.37	A most wretched harvest. Glen New Sluice opened
1880	37.12	Glen Bank broke into Bourne South Fen. Flood in Cowbit Wash [4in. higher than 1877.
1881	26.12	"Kesteven" wheel lowered 18in.
1882	30.50	Glen Bank broke South side, water at Pote Hole 6ft. 10in. gauge [in Fen, 8ft. 4in. in Vernatt's [New Sluice
1883	30.87	Low Water in Welland, 1½in. below Sill of Glen
1884	16.75	Ten years again and dry
1885	23.87	
1886	30.25	May Flood
1887	15.12	The lowest recorded. Crossgate Bridge re-built
1888	21.56	
1889	26.73	
1890	19.97	
1891	25.08	No rain in February
1892	22.66	"Holland" wheel lowered 4in., total 3ft. since 1825 new Dredger [launched.
1893	18.32	Very dry Summer
1894	22.35	Welland again heavily landed up by Tides
1895	22.23	Feb. 9th, 35 degrees of frost in Spalding
1896	22.73	
1897	23.59	Glen North Bank broke at Guthram; highest known [Flood in Glen
1898	21.23	
1899	20.77	Portion of Counter Drain cleaned out, and inner bank strengthened
1900	23.34	Improvement of River Glen. Mud ploughing and casting out
1901	22.37	Delph Drain deepened and widened
1902	22.59	
1903	29.74	Wet year. Rainfall in October 6.25 inches
1904	22.23	"Kesteven" wheel lowered 4in., total 3ft. since 1825
1905	24.62	High tide in Welland Jan. 6th, 17ft. 9in. on Glen Sluice gauge. [River overthrewed bank at Pigeon End.
1906	25.99	
1907	22.45	Dredger "Nesta" launched, November
1908	17.22	Extensive repairs to Vernatts Sea Gates

PODEHOLE ANNUAL RAINFALL FROM 1909 TO 1931.

Rainfall.	Jan.	Feb.	Mar.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total
1909	24.00												
1910	26.12												
1911	18.98												
1912	29.38												
1913	21.11												
1914	21.85												
1915	25.74												
1916	27.89												
1917	19.94												
1918	26.46												
1919	3.12	2.58	3.04	2.39	0.51	1.04	2.87	2.43	1.68	1.45	2.04	3.34	26.49
1920	1.76	0.78	2.23	3.73	1.98	2.37	3.14	1.07	2.31	1.76	0.69	2.26	24.08
1921	1.85	0.53	0.73	1.13	1.16	0.45	0.44	1.97	0.67	1.32	1.15	1.26	12.66
1922	2.75	2.64	1.83	2.57	1.14	0.84	5.47	1.96	1.99	1.34	1.17	2.61	26.31
1923	1.42	3.28	1.93	1.16	1.13	0.57	2.15	2.13	2.11	2.66	1.59	2.76	22.89
1924	2.22	0.93	0.60	1.52	3.24	2.04	2.95	1.98	1.90	4.65	2.34	2.10	26.47
1925	1.04	1.95	1.18	1.82	3.11	1.12	1.77	2.44	2.70	2.61	2.09	2.17	23.00
1926	3.15	1.54	3.36	2.09	2.59	2.88	1.32	.89	2.49	2.20	3.15	.81	23.47
1927	1.61	2.11	2.29	1.71	1.10	3.42	2.21	2.96	4.12	2.17	3.04	2.75	29.49
1928	2.85	1.06	1.75	1.03	1.51	4.08	2.24	2.06	0.47	3.41	2.61	2.22	25.29
1929	1.66	0.97	0.19	0.90	1.06	1.22	1.94	1.38	0.81	2.59	3.91	4.27	20.90
1930	2.13	0.62	1.64	2.33	2.68	0.54	2.95	2.33	3.89	1.04	2.84	2.65	25.04
1931	2.17	2.60	0.40										
Total depth for each month 1829 to 1929	193.79	165.51	160.22	168.73	189.95	218.76	262.91	267.70	221.91	253.15	235.58	207.88	Total depth in inches.

River Glen stops, Tongue End, lowered 2 feet.
 Glen North Bank broke near Tongue End, December 3rd.
 Horseshoe, Money and Cuckoo Bridges rebuilt in ferro-concrete.
 Rainfall Aug. 26th, 2.14ins. in 24 hours. Highest recorded flood in Glen, Aug. 27th.
 South Drove Drain cleaned out. Crowland Bridge rebuilt in ferro-concrete.
 Diesel Engine and Pump started work, April.
 North Drove Drain cleaned out. Vernatts Drain Improvement.
 Delph Drain Improvement commenced.
 Low Rainfall (under 20 inches).
 Heavy Rainfall—September.

NO. OF DAYS THE ENGINES WORKED, AT 12 HOURS PER DAY.

Year	97 days	3 hours	100 days	4 hours	8+ days	8 hours
1918	Holland					
"	Kesteven					
"	Elloe					
1919	Holland					
"	Kesteven					
"	Elloe					
1920	Holland					
"	Kesteven					
"	Elloe					
1921	Holland					
"	Kesteven					
"	Elloe					
1922	Holland					
"	Kesteven					
"	Elloe					
1923	Holland					
"	Kesteven					
"	Elloe					
1924	Holland					
"	Kesteven					
"	Elloe					
1925	Holland					
"	Kesteven					
"	Elloe					
1926	Holland					
"	Kesteven					
"	Elloe					
1927	Holland					
"	Kesteven					
"	Elloe					
1928	Holland					
"	Kesteven					
"	Elloe					
1929	Holland					
"	Kesteven					
"	Elloe					
1930	Holland					
"	Kesteven					
"	Elloe					
1931	Holland					
"	Kesteven					
"	Elloe					
1922	Welby					
"	Holland					
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1923	Welby					
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1924	Welby					
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1925	Welby					
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1926	Welby					
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1927	Welby					
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"	Kesteven					
"	Elloe					
1928	Welby					
"	Holland					
"	Kesteven					
"	Elloe					
1929	Welby					
"	Holland					
"	Kesteven					
"	Elloe					
1930	Welby					
"	Holland					
"	Kesteven					
"	Elloe					
1931	Welby					
"	Holland					
"	Kesteven					
"	Elloe					

Rainfall, April 1st, 1930 to March 31st, 1931, 25.91 inches.