



Edinburgh Gazette.

PUBLISHED BY AUTHORITY.

FROM TUESDAY, MARCH 21, TO FRIDAY, MARCH 24, 1809.

WESTMINSTER, MARCH 13, 1809.

This day the Lords being met, a message was sent to the Honourable House of Commons by Sir Francis Molineux, Gentleman Usher of the Black Rod, acquainting them, that *The Lords, authorized by virtue of his Majesty's Commission for declaring his Royal Assent to several Acts agreed upon by both Houses, do desire the immediate attendance of this Honourable House in the House of Peers, to hear the Commission read*, and the Commons being come thither, the said Commission, empowering the Lord Archbishop of Canterbury, the Lord High Chancellor of Great Britain, and several other Lords therein named, to declare and notify the Royal Assent to the said Acts, was read accordingly, and the Royal Assent given to

An Act to allow a certain proportion of the militia of Great Britain to enlist voluntarily into the regular forces.

An Act to allow a certain proportion of the militia in Ireland voluntarily to enlist into his Majesty's regular forces.

An Act to prohibit the distillation of spirits from corn or grain in the united kingdom for a limited time.

An Act to suspend the importation of British or Irish made spirits into Great Britain or Ireland respectively, until the 1st day of June 1809.

An Act to grant bounties on the importation of flax-seed into Ireland from Great Britain until the 3th day of April 1809, and to amend the laws for the regulation of the linen manufacture in Ireland, so far as relates to importers of flax seed.

An Act for the relief of prisoners in custody for non-payment of money, pursuant to orders of courts of equity.

An Act for amending an Act of the forty-fourth year of his present Majesty, for regulating certain fisheries in the county of Cumberland, and other places therein mentioned, so far as respects the fishery in the river Derwent.

An Act for better enabling the company of proprietors of the Aberdeenshire canal navigation to raise the necessary funds to complete the same.

An Act for more effectually improving the streets,

lanes, and public passages in the town of Gainsburgh, in the county of Lincoln, and for laying a duty on coals brought to the said town to be sold.

An Act for making and maintaining a road from Rotherham to Swinton, in the west riding of the county of York.

An Act for enlarging the term and powers of two Acts of his present Majesty for repairing the road from Ashbourne to Sudbury, and from Sudbury to Yoxall-Bridge, and from Hatton-Moor to Tudbury, in the counties of Derby and Stafford, and for making two new branches of road to communicate therewith.

An Act for enlarging the term and powers of two Acts of his late and present Majesty, for repairing several roads in the counties of Derby, Leicester, and Warwick.

And six private Acts.

CROWN-OFFICE, MARCH 21, 1809.

Members returned to serve in the present Parliament.

Borough of King's Lynn—The Honourable Horatio Walpole, commonly called Lord Walpole, in the room of Lord Walpole, now Earl of Orford, a Peer of the united kingdom of Great Britain and Ireland.

Borough of Dunganon—Claude Scott, Esq. in the room of the Right Honourable Claude Hamilton, commonly called Lord Claude Hamilton, deceased.

City of Peterborough—The Honourable Francis Russell, commonly called Marquis of Tavistock, in the room of French Laurence, Esq. deceased.

BANKRUPTS.

(From the London Gazette.)

- John Nevett, of Broseley, Salop, dealer in coals.
- William Prigg, late of Ipswich, Suffolk, victualier.
- Henry Holland, of Dawlish, Devon, brickmaker.
- John Philcox, late of Brixthelustone, Sussex, carpenter.
- Pexall Forster, of Great Yarmouth, Norfolk, bookseller.
- James Nightingale Rayner, of Ely, Cambridge, linen-draper.
- George Blakey the elder, now or late of Stepney, Middlesex, ship-owner and master-mariner.
- John Payne Brothers, of Aldermanbury, London, jeweller.

THE Partnership of the Subscribers, under the firm of THOMAS GRAHAME & CO., was DIS-SOLVED on the 31st of December last, by mutual consent. Those indebted to the said Company, are desired to make payment to the subscribers, James Oswald or Thomas Grahame, or either of them, who are empowered to grant discharges of the same, and to settle all claims against the said Copartnership.

THOMAS GRAHAME.
JAMES OSWALD.
ALEXANDER OSWALD.
ROBERT GRAHAME.
JAMES DUNLOP.
ANDREW MITCHELL.

January 6, 1809.

NOTICE
TO THE CREDITORS OF
JAMES SAWLERS, Vintner and Malt-dealer in St Ninians.

UPON the application of the said James Sawlers, with the concurrence of Creditors to the extent required by law, Lord ROBERTSON, Ordinary officiating on the Bills, upon the 21st March current, sequestrated the whole estate and effects of the said James Sawlers, and appointed his Creditors to meet within Carmichael's Coffeehouse, Stirling, upon Wednesday the 5th of April next, at 12 o'clock mid-day, to name an Interim Factor on the sequestrated estate, in terms of the Statute; and also appointed the said Creditors to meet, at the same place and hour, upon Wednesday the 26th day of said month of April, for the purpose of naming a Trustee. Of all which notice is given, in terms of the Statute.

NOTICE
TO THE CREDITORS OF
WILLIAM MASON, Merchant in St Andrews.

ALEXANDER CLARK, Writer in St Andrews, Trustee on the said William Mason's sequestrated estate, intimates, that the Sheriff of Fife has fixed the 28th March instant, and 13th April next, for examination of the bankrupt, within the Sheriff-court-room of Cupar, at 12 o'clock noon each of these days. The Trustee also requests the Creditors will attend a meeting, to be held on the 14th April, at 12 o'clock noon, within Launceman's Inn, St Andrews, to name Commissioners, and give instructions for managing the estate,

Price Sixpence.



NOTICE
TO THE CREDITORS OF
DAVID BRUCE, Grocer in Stirling.

ADAM M'LAREN, Grocer in Stirling, hereby intimates, that he is chosen Trustee upon the said David Bruce's estate, and his appointment having been confirmed by the Court of Session, the Sheriff-substitute of Stirlingshire has fixed Wednesday the 5th, and Wednesday the 19th days of April next, at 12 o'clock noon, within the Sheriff-court-house, Stirling, on each of these days, for the public examination of the said David Bruce, and of his family, and others acquainted with his affairs; and the Trustee further intimates, that on Thursday the 20th day of April next, at 12 o'clock noon, a meeting of the said David Bruce's Creditors is to be held within the Coffeehouse in Stirling, for the purpose of instructing the Trustee as to the recovery and management of the estate.

The Trustee hereby requires the said Creditors to produce in his hands their claims, and vouchers or grounds of debt, with their oaths on the verity thereof, at or previous to said meeting, so far as not already produced; and unless the said productions are made and betwixt the 20th day of November next, the party neglecting shall have no share in the first distribution of the debtor's estate.

March 21, 1809.

NOTICE
TO CREDITORS OF
ALEXANDER SMELLIE, Farmer and Horse-dealer
at Brenshall-burn, Parish of Cambusnethan.

THAT on the application of the said Alexander Smellie, with concurrence of a Creditor to the extent required by law, the Lord Ordinary on the Bills did, of this date, sequester the whole estates of the said Alexander Smellie, and appointed his Creditors to meet within the house of Peter Smellie, innkeeper at Cambusnethan Church, upon Saturday the 1st day of April next, at 12 o'clock noon, to choose an Interim Factor; and at the same place and hour, on Saturday the 29th day of said month of April, to elect a Trustee on said estates. Of all which intimation is hereby given, in terms of the Statute.

Edinburgh, March 24, 1809.

NOTICE
TO THE CREDITORS OF
WILLIAM DUNNIPACE, Tinsplate-worker and
Brazier in Glasgow.

THAT at a meeting of the Creditors of said William Dunnipace, on the 10th instant, he made offer of a composition at the rate of 5s. per pound of his debts, with security, payable at six and twelve months, and to grant his own acceptance for 1s. per pound more, payable at two years after the composition is accepted. Another meeting of the Creditors is appointed to be held in the counting-house of Mr James Thomson, junior, accountant there, the Trustee, upon the 8th day of April next, at 12 o'clock, to decide upon the said offer. Of which intimation is given to all concerned.

NOTICE
TO THE CREDITORS OF
WILLIAM REID, Grocer and Merchant in Monkton.

AT a general meeting of said Creditors, held of this date, the bankrupt made offer of a composition of 4s. per pound, with security, payable in six months from the final acceptance thereof; which offer the Creditors present were unanimously of opinion ought to be accepted; and they directed the Trustee to call another meeting, to be held within the house of John Smith, merchant in Kilmarnock, on Friday 7th April next, at 1 o'clock afternoon, to decide thereon. Of all which the Trustee hereby gives notice.

Kilmarnock, March 17, 1809.

NOTICE
TO THE CREDITORS OF
The CALDER IRON COMPANY.

A GENERAL meeting of the said Creditors is to be held within the writing-office of Alexander MacGregor, writer in Glasgow, upon Thursday the 13th day of April next at 2 o'clock noon, for the purpose of considering a proposal which has been made, for a settlement of the process in dependance before the Court of Session, between the Trustee and Messrs Allans, and regarding other matters interesting to the Creditors.

Glasgow, March 23, 1809.

TO THE CREDITORS OF
ROBERT CARNOCHAN, Merchant in Stranraer.

AT a meeting of the Creditors of the said Robert Carnochan, held upon the 14th instant, being the first lawful day after his last examination, an offer of composition was made by him of 5s. in the pound, with sufficient security, payable at six, ten, and fifteen months; and a farther composition, on his own personal security, of 2s. per pound, was offered by him, payable at nineteen months. The meeting were of opinion, that these offers should be accepted; and the Trustee hereby intimates, that another meeting of the Creditors will be held within the house of Mrs Taylor, innkeeper in Stranraer, on Wednesday the 5th of April next, at 2 o'clock in the afternoon, for the purpose of deciding on said offers.

JAMES CAIRD.

Stranraer, March 15, 1809.

NOTICE
TO THE CREDITORS OF
JAMES JONES & SON, Ropemakers in Leith, and
James Jones and Thomas Jones, as Individuals.

THE Trustee on their sequestered estate hereby intimates, in terms of the Statute, that the bankrupts, at a meeting of the Creditors held this day, made offer of a composition, and that another meeting is to be held on Wednesday the 12th of April next, within John's Coffee-house here, at 2 o'clock afternoon, for the purpose of accepting or rejecting that offer.

Edinburgh, March 20, 1809.

NOTICE
TO THE CREDITORS OF
ALEXANDER GLEN & CO., Merchants, Glasgow,
and Alexander Glen, one of the Individual Partners
of that Company.

APPPLICATION having been made to the Court to fix a meeting of the Creditors for choosing a Trustee, in place of David Lawrie, deceased, the Court have appointed the Creditors to meet for that purpose, on Friday the 31st March current, within the Black Bull Inn, Glasgow, at 1 o'clock afternoon.

Edinburgh, March 24, 1809.

AVERAGE PRICES OF CORN,

By the Quarter of Eight WINCHESTER Bushels, and of OATMEAL per Boll of 140lb. AVOIRDUPOIS, from the Returns received in the Week ended the 11th of March 1809.

INLAND COUNTIES.

	Wheat.		Rye.		Barley.		Oats.		Beans.		Pease.		Oatmeal.		Beer or Big.	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
Middlesex, -	98	0	66	6	45	8	41	11	66	1	73	0	28	1		
Surry, -	99	4	58	0	48	0	45	2	61	0	62	0				
Hertford, -	93	1	49	0	49	1	37	10	57	6	57	6				
Bedford, -	92	6	67	2	44	2	38	10	59	4	62	2				
Huntingdon, -	93	6			45	9	36	0	62	4						
Northampton, -	92	8	57	0	43	10	35	4	59	6						
Rutland, -	95	0			48	6	35	9	66	0	64	0	65	2		
Leicester, -	92	6	52	8	49	10	33	2	53	7	56	5	51	8		
Nottingham, -	99	4	72	0	53	8	36	8	61	6	56	0				
Derby, -	99	4			55	8	39	2	65	2	62	9	42	11		
Stafford, -	100	11			51	11	37	11	72	9			57	11		
Salop, -	98	8	69	6	51	1	32	8			56	6	69	2		
Hereford, -	89	3	48	0	42	6	33	6	61	3	55	3	73	10		
Worcester, -	98	2			46	4	41	7	66	4	91	0				
Warwick, -	100	4			51	11	39	11	75	9	119	0	59	5		
Wilts, -	90	3			44	10	41	2	76	2	53	0				
Berks, -	97	2			45	8	42	0	67	2	62	2				
Oxford, -	94	5			44	0	38	10	60	11	59	8				
Bucks, -	95	6			43	10	41	2	62	11	60	4				
Brecon, -	91	1	64	0	46	4	24	0			52	8	55	11		
Montgomery, -	98	4			46	8	31	3			49	4	63	7		
Radnor, -	90	4			41	0	27	10			52	9				

MARITIME COUNTIES.

Districts.	Wheat.		Rye.		Barley.		Oats.		Beans.		Pease.		Oatmeal.		Beer or Big.	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
FIRST, { Essex, -	92	6			45	3	40	6	58	0	57	6				
{ Kent, -	88	9	58	0	44	6	37	6	58	6	97	6				
{ Sussex, -	89	4			49	6	38	0								
SECOND, { Suffolk, -	91	6	61	7	44	3	34	7	51	0	55	2	70	0		
{ Cambridge, -	89	1	65	0	41	10	33	7	53	10	56	0				
THIRD, { Norfolk, -	92	7	66	0	40	6	33	4	52	7	55	0				
FOURTH, { Lincoln, -	92	8	76	0	47	8	33	7	58	6						
{ York, -	96	5	77	4	46	10	36	3	68	10			51	11		
FIFTH, { Durham, -	102	2			54	0	34	1								
{ Northumberland, -	88	5	75	0	44	6	32	10	50	8	62	6	24	0		
SIXTH, { Cumberland, -	103	4	70	5	47	5	36	4					28	1		
{ Westmorland, -	120	10	74	0	45	8	32	4					29	5		
SEVENTH, { Lancaster, -	107	1			50	4	34	1	67	9	104	8	29	1		
{ Chester, -	96	11			55	6	35	3					30	2		
{ Flint, -	110	9			48	0	25	6								
EIGHTH, { Denbigh, -	110	5			50	7	32	5					53	5		
{ Anglesea, -					48	0	30	6								
{ Caernarvon, -	103	4			43	8	29	0					58	5		
{ Merioneth, -	99	8			47	0	27	0			57	8	52	5		
{ Car ligan, -	88	8			39	0	24	9								
NINTH, { Pembroke, -	88	7			38	9	25	4			53	6	73	10		
{ Caermarthen, -	84	0			44	3	26	4								
{ Glamorgan, -	90	6			49	4	25	4								
{ Gloucester, -	98	4			48	10										
TENTH, { Somerset, -	94	11			45	0	36	9	61	5	116	0				
{ Monmouth, -	91	5			45	7										
ELEVENTH, { Devon, -	89	7			39	9	28	0								
{ Cornwall, -	86	11			39	11	28	4								
TWELFTH, { Dorset, -	96	0			45	4	36	8								
{ Hants, -	92	6			48	4	38	11			55	4				
Aggregate Average, -	95	10	67	2	45	4	33	5	60	0	71	1	47	1		

AVERAGE of ENGLAND and WALES.

| 95 7 | 64 7 | 46 6 | 34 4 | 62 0 | 65 10 | 50 10 | —

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 311

LECTURE 10: ELECTROSTATICS

1. Electric field of a point charge

2. Electric field of a dipole

3. Electric field of a uniformly charged rod

4. Electric field of a uniformly charged disk

5. Electric field of a uniformly charged sphere

6. Gauss's law

7. Electric field of a uniformly charged infinite plane

8. Electric field of a uniformly charged infinite cylinder

9. Electric field of a uniformly charged infinite slab

10. Electric field of a uniformly charged sphere (revisited)

11. Electric potential

12. Electric potential of a point charge

13. Electric potential of a dipole

14. Electric potential of a uniformly charged rod

15. Electric potential of a uniformly charged disk

16. Electric potential of a uniformly charged sphere

17. Electric potential of a uniformly charged infinite plane

18. Electric potential of a uniformly charged infinite cylinder

19. Electric potential of a uniformly charged infinite slab

20. Electric potential of a uniformly charged sphere (revisited)

21. Capacitance

22. Capacitance of a parallel plate capacitor

23. Capacitance of a cylindrical capacitor

24. Capacitance of a spherical capacitor

25. Energy stored in a capacitor

26. Energy density of an electric field

27. Dielectrics

28. Dielectric constant

29. Dielectric breakdown

30. Dielectric polarization