

INDEX TO VOL. I.

ACONTIUS.

A.

- ACONTIUS, an Italian, drains Greenwich Marsh, 14.
 ADVENTURERS, drainage by, in Isle of Axholme and Lincolnshire, 39, 49, 61.
 ADVENTURERS, Merchant, of England; 102.
 AEGAR or HIGRE, the, 21, 28.
 AIRE and CALDER NAVIGATION, 303.
 ALDRETH HIGH BRIDGE, 23.
 AMWELL SPRING, 90, 110, 132.
 ANCIENT earthworks, 3; roads, 157.
 APPLEDORE, 9.
 ASTBURY, WILLIAM, pottery manufacturer, 322.
 AXHOLME, Isle of, 37.

B.

- BADDELY, Brindley erects flint-mill for Mr., 327.
 BAILIFF of Bedford, 35; of Marsh-land, *ib.*
 BALLAST-BOATS, Brindley's, 383.
 BANKSIDE, 12.
 BARKING LEVEL, 12, 14.
 BARTON AQUEDUCT, 351.
 BASKET-COACH, the, 200.
 BATH, travelling between London and, 197.
 BATTERSEA BRIDGE, 263.
 BEACONS, old English, 287.
 BEDFORD, Earl of Bedford and drainage of Great Level, 49, 60.
 BEDFORD LEVEL (See *Great Level and Fens*).
 BEDFORD RIVER, old, 50; new, 62.
 BELGIANS, early settlers in England, 5.
 BENNETT, ABRAHAM, Brindley's master, 311.
 BERMONDSEY MARSHES, 14.
 BETTINGTON, Hon. Mr., Brindley's Plains, 476.
 BIRMINGHAM CANAL, 451.
 BISHOP AUCKLAND BRIDGE, 248.
 BISHOP'S BRIDGE, Norwich, 246.
 BLACKFRIARS BRIDGE, 265.
 BOSTON, 21, 30; its fair, 188.
 BOSWELL, contractor at Dagenham Breach, 72.
 BOSWELL, JAMES, on Blackfriars Bridge, 265.
 BOULOGNE, Smollett's voyage to, in 1763, 295.
 BOW BRIDGE, 242.

BRINDLEY.

- BOWHILL, Sussex, remains of ancient dwellings at, 4.
 BRADING HAVEN, embankment of, by Sir H. Myddelton, 36, 84, 133.
 BRASS to Myddelton family in Whitchurch, 96.
 BREACHES in the embankments of the Thames, 14, 69.
 BRIDGES, ancient British, on Dartmoor, 236-239; Roman, 240; Croyland, 241; Bow, 242; Kirkby Lonsdale, 245; Burton-on-Trent, 246; Bishop's Bridge, Norwich, *ib.*; Leeds, *ib.*; Wade, 247; Rochester, 240, 247; Bishop Auckland, 248; Wakefield, 249; Raglan Castle, 250; Llanrwst, 251; London, 253; Westminster, 262; Blackfriars, 264; Pont-y-Prydd, 270.
 BRIDGEWATER, Duke of,—his birth, 335; his travels, 336; his racing exploits, 337; his love affair, 338; and disappointment, 340; retires to Worsley and begins canal making, 346; his first Canal Act, 347; calls Brindley to his assistance, 348; the Duke's second Act, 351; the first length of canal opened, 360; projects its extension to Runcorn, 362; passage of the bill through Parliament, 371-7; the Duke's difficulties, 394; how he raised money, 397; completion of canal to Runcorn, 400; total cost of his canals, 401; benefits conferred by the Duke on Manchester and Liverpool, 402; characteristics of the Duke, 405; viewed as a public benefactor, 414.
 BRIDGEWATER, Earl of,—his letters to the Parisians, 360, 387, 403, 475.
 BRINDLEY, JAMES, district in which he was born, 307; Brindley's Croft, 309; his parents, 310; his early mechanical bias, 311; puts himself apprentice to a millwright at Sutton, near Macclesfield, 311; his improvements in a paper-mill, 316; begins business at Leek, 319; "The Schemer," 320; contrives flint-mills, 321; employed to drain the Clifton mines, 323; his wages, 324; employed on a silk-mill at Congleton, 325; improves the steam-engine, 329; constructs the Duke of Bridgewater's canals, 348; buys part of a colliery at Golden Hill, 351; constructs Barton Aque-

- | BRISTOL. | DANES. |
|---|---|
| duct, 352; his various contrivances, 356; surveys a canal to Runcorn, 362, 367; journeys to London, 368; fac-simile of handwriting, 370; anecdotes of, 373; evidence on the Duke's third bill, 376; constructs the canal to Runcorn, 378; embankment across Sale Moor, 383; expedients in economizing labour, 384; his valvular flood-gates, 385; quarrel with Gilbert, 387; his workmen, 389; Brindley's pay while serving the Duke, 402; Grand Trunk Canal, 424; the parliamentary struggle, 432-436; constructs the canal and Harecastle Tunnel, 440; his last canals, 449; marriage, 467; death and characteristics, 470. | CATCHWATER drains, 20. |
| BRISTOL, port of, 282, 364, 416. | CAUSEWAYS, Roman, 21; in the Fens, 25; ancient British, 154, 156. |
| BRISTOL CHANNEL, ferry of, 298. | CELTIS, a pastoral race, 5; their language, 6; Irish, 7. |
| BRITISH, ancient works, 1-13; dwellings, 3; inhabitants, 20; bridges, 236, 239. | CHADWELL SPRING, 90, 110. |
| BROADE, Brindley erects engine for Mr., 330. | CHAGFORD, Dartmoor, 193. |
| BROKEN CROSS GANG, 308. | CHANTRIES, BRIDGE, 249. |
| BROME, Rev. Mr., travels in England, 183. | CHARACTERISTICS of Brindley, 470. |
| BROTHERS of the Bridge, 246. | CHARLES I., promotes works of drainage, 43, 56. |
| BUCCANEERS, early English, 281. | CHASE, Hatfield, its drainage, 37. |
| BURLEM POTTERIES, 321, 328, 427, 438, 448. | CHAUCER'S ride to Canterbury, 164. |
| BURTON-ON-TRENT, bridge at, 246. | CHEERTSEY, road from London to, 163. |
| BUSHELL, THOMAS, Myddelton's successor in his silver mines, 144, 146, 151. | CHESTERFIELD CANAL, 452. |
| BUSH HILL, New River works near, 122. | CHILD and Co., their advances to Duke of Bridgewater, 398. |
| BUXTON, Brindley's birthplace near, 308. | CINQUE PORTS, 9, 280, 284. |
| C. | CLAY-PUDDLE, 353, 355, 374, 475. |
| CAERPHILLY CASTLE, ruins of, 269. | CLIFTON COAL-MINES, Brindley's drainage of, 323. |
| CALDERWOOD'S, Mrs., journey to London, 176. | CLOTH MANUFACTURE, 103. |
| CAMBRIDGE FENS, 18, 34, 50. | CLOUGH'S CROSS, 31. |
| CAMPBELL'S, Lord, first journey to London, 197. | COACHES, in London, 101, 165; travelling by, 166; stage coaches, 168. |
| CAMP of refuge at Ely, 23. | COAL TRADE, early, 291. |
| CANALS, early continental, 300; early English, 301, 302, 304; Duke of Bridgewater's, 348, 362, 378; canal lock, 375; Grand Trunk, 424; opposition to, 435; beneficial effects of, 415, 446; Wolverhampton, 449; Coventry, 450; Droitwich, 451; Birmingham, <i>ib.</i> ; Leeds and Liverpool, 455; canal speculation, 461; extent of British canals and traffic, 464. | COALBROOKDALE, 331. |
| CANUTE, his "King's Delph" in the Fens, 22; his canal through Southwark, 254. | COLECHURCH, Peter of, builder of Old London Bridge, 255. |
| CANVEY ISLAND reclaimed, 36. | COLONIZATION, early British, 5; of Scotland, 6. |
| CAROLINE, Queen, overturned in Kensington road, 163. | COMBE Marshes near Greenwich, reclaimed, 14. |
| CARR DYKE, in Lincolnshire, 20. | COMMONWEALTH, drainage interrupted by wars of, 46, 54. |
| CARRIAGE of Merchandise, cost of, 178, 344, 426, 447. | CONDUITS, London, 86. |
| CASTILIONE, an Italian, drains Greenwich Marsh, 14. | CONGLETON, Cheshire, 320, 325, 428. |
| CASTLES IN THE AIR, Brindley's, 353, 361, 437, 443. | CONTINENTAL routes, former, 293. |
| | CONVEYANCE, early modes of,—on horse-back, 164; in coaches, 166. |
| | CORDOUAN, Tour de, 287, 290. |
| | CORNISH wrecking, 289. |
| | CORNBROOK, the Duke's canal at, 355. |
| | COSMO DE' MEDICI, travels in England, 175, 289. |
| | COVENTRY CANAL, 450. |
| | COWLEY, Sprat's visit to, at Chertsey, 163. |
| | COWPER, Chancellor, description of Sussex roads, 162. |
| | CROFT, Brindley's, 309. |
| | CROMWELL, leads the opposition to drainage in the Fens, 57. |
| | CROOKS, the Devonshire, 194. |
| | CROYLAND, 23; its bridge, 241. |
| | CUMBERLAND, Duke of, 204, 220, 337. |
| | CWMSYMLOG, Myddelton's mine at, 141, 145. |
| | CYCLOPEAN bridges on Dartmoor, 239. |
| | D. |
| | DAGENHAM LEVEL, 14; breach, 36, 39; stopped by Perry, 77; lake, 80. |
| | DANES in England, 9, 21, 22. |

- DARTMOOR.
- DARTMOOR, ancient villages on, 4; Plymouth, water supply led from, by Sir F. Drake, 91; ancient roads in, 161, 192; ancient fair on, 189; ancient bridges on, 236, 239.
- DEEPING, in Lincolnshire, 25, 27, 82.
- DENBIGH, 94, 107, 147.
- DENGE MARSH, 7, 9, 11; Ness, 10; light on, 288.
- DENVER SLUICE, 62, 66.
- DEPTFORD, 69.
- DEVIL, supposed to be a bridge-builder, 245.
- DEVONSHIRE LANE, The, 161; Crooks, 194.
- DON, river, 41.
- DOUGLAS NAVIGATION, 304.
- DOVER, port of, 282, 284; Pharos, 287; Smollett's opinion of, 295.
- DRAKE, Sir FRANCIS, his Leet, 90; adventures on Spanish Main, 103; the Armada, 277.
- DRAINAGE, Hatfield Level, 39; Great Level of the Fens, 49.
- DROITWICH CANAL, 451.
- DROWNED lands in the Fens, 18, 26.
- DUKE OF BRIDGEWATER (See *Bridgewater*).
- DUKE'S DOCK, Liverpool, 393.
- DUNKIRK pirates, 281.
- DUNSTAN pillar, land lighthouse on Lincoln Heath, 233.
- DURHAM, roads in, 204.
- DUTCH, their drainage works in England, 15, 36, 39, 45, 53, 61; capitalists embark in English drainage, 40; their methods of drainage, 55; fish the English coasts, 278.
- DUTCH RIVER, Yorkshire, 41, 45.
- DWELLINGS of ancient British, 3.
- DYKE-REEVES, Lincolnshire, 28.
- E.
- EARNSHAW, LAWRENCE, self-taught mechanic, 389.
- EARTHENWARE manufacture, 319, 327, 425.
- EARTHWORKS, ancient, 3.
- EDINBURGH, travelling between London and, 197.
- EDWARDS, WILLIAM, bridge builder, — his early life, 266; becomes a builder, 268; studies masonry in Caerphilly Castle, 269; builds successive bridges over the Taff, 270; Pont-y-Prydd, 272; his other bridges in Wales, 272; death, 275.
- EGERLIC'S CAUSEWAY, Spalding, 25.
- ELDON, Lord, his first journey to Oxford, 196.
- ELIZABETH, Queen, her visits to the City, 164.
- ELERS, brothers, founders of pottery manufacture, 322.
- ELY, Isle of, 22, 35, 68.
- EMBANKMENTS, of Romney Marsh, 7; of Thames, 12, 69, 80; of Marsh-land and South Holland, 19.
- ENGLAND, natural wealth of, 16; shipping of,
- GOOLE.
- in early times, 276; seas of, fished by foreigners, 278; old beacons of, 287.
- ERITH MARSHES, 12, 14.
- ESSEX, roads in, 200.
- ETHELREDA, Princess, 22.
- ETRURIA, Wedgwood's works at, 440.
- F.
- FAIRS in early times, 187.
- FEEDING of London, 177, 191.
- FENS, description of Great Level of the, 17, 33; early reclamations by the Romans, 19; by religious recluses, 22; Guthlac, saint of the, 23; reclamations by the monks, 25; works of Morton, Bishop of Ely, 29; destructive inundations of the Fens, 30; drainage by Vermuyden and the Adventurers under the Earl of Bedford, 49; riots amongst the fenmen, 52; the drainage completed, 63.
- FEN-SLODGERS, 32, 52.
- FENTON-VIVIAN, Brindley's steam-engine at, 330.
- FERRIES, of the Thames,—early, 253, 293; long ferry to Gravesend, *ib.*; across the Channel, 295; Humber, 297; Forth, *ib.*; Bristol Channel, 298; Mersey, *ib.*
- FIELDING's voyage to Lisbon, 294.
- FISHERIES, early, 278.
- FISHES in the Fens, 33.
- FISHLAKE and Fishtoft, 39.
- FLASH DISTRICT, near Macclesfield, 307.
- FLEMINGS employed on English drainage works, 40, 50, 53; on harbours, 284.
- FLINT-MILLS, Brindley's contrivance of, 321, 327.
- FORDS, ancient, 238.
- FOREIGNERS reclaim our marshes, 14; drain our fens, 36, 49; fish our seas, 278; build bridges, 263; and harbours, 284.
- FORTH FERRIES, 297.
- FOUNDATIONS of early bridges, 251, 255, 263.
- FRIESLAND settlers in England, 5, 7.
- FRENCH, characteristics of modern, 7.
- FULTON, American engineer, 409.
- G.
- GALCH HILL, Myddelton of, Denbigh, 95.
- GILBERT, JOHN, Duke of Bridgewater's agent, 347, 387, 397, 408.
- GILBERT, THOMAS, Earl Gower's agent, 347, 432.
- GILPIN's account of Bristol Channel ferry, 298.
- GLASGOW, travelling between London and, 197.
- GLOUCESTERSHIRE, roads in, 201.
- GOLDEN HILL, Brindley's colliery at, 351, 468, 476.
- GOLDSMITHS' COMPANY, 99.
- GOOLE, 41.

- GOWER, EARL.
- GOWER, Earl, 321, 335, 337, 380, 392; his Countess, 408.
- GRAND TRUNK CANAL, 424; its advantages, 446.
- GRAYLOCK'S FOSSE, 15.
- GRAVESEND, the long ferry to, 293.
- GREAT LEVEL of the Fens, 18, 33, 49.
- GREAT NORTH ROAD, 162, 204.
- GREAT REBELLION, interrupts the Fen drainage, 46, 54.
- GREVILLE, Sir RICHARD, 97.
- GROCCERS' COMPANY, 98.
- GUILDFORD, Romney Marsh, 7, 9.
- GUNNING, the Misses, 338.
- GUTHLAC, the saint of the Fens, 23, 241.
- GUYHIRNE, 29, 62.
- H.
- HAGBUSH LANE, 162.
- HARBOURS, the Thames, 281; Bristol, 282; Lyme Regis, 283; Dover, 284; Whitby, 285; Yarmouth, *ib.*
- HARDMAN, Mr., Liverpool, projects a canal, 335.
- HARECASTLE TUNNEL, 437, 441.
- HASTINGS PIER, 283.
- HATFIELD CHASE, drainage of, 37.
- HAVERING LEVEL, 70.
- HEATHCOTE, Mr. J. E., employs Brindley, 323.
- HENSHALL, JOHN, surveyor, 453; Brindley's marriage to his daughter, 467.
- HENSHALL, HUGH, engineer, 475.
- HEREWARD, the Saxon, 23.
- HERRING-FISHING on English coasts by the Dutch, 278.
- HERVEY, Lord, on the roads near Kensington, 163.
- HIGRE, the, 21, 28.
- HIGHWAY ROBBERIES, 175.
- HOLLAND, Lincolnshire, 19, 34.
- HOLLOW WAYS, 160, 162.
- HOOKER'S ride to London, 164.
- HORSEBACK travelling in early times, 164.
- HORSE-FERRIES at London, 293.
- HOUSEHOLD life in early times, 185.
- HUMBER FERRIES, 297.
- HYTHE, 7.
- I.
- IDLE, RIVER, 41.
- INLAND water communication, 299, 334. (See *Canals.*)
- INUNDATIONS, destructive, in the Fens, 30.
- IRWELL NAVIGATION, 304, 344; fall at Clifton, 323.
- ISLE OF AXHOLME, 37.
- ISLE OF DOGS, 14, 69.
- LIVERPOOL.
- ITALIAN engineers employed in England, 14.
- IVY CHURCH, 9.
- J.
- JAMES I., King, — promotes drainage of the Fens, 32; drainage works encouraged by, 36; supports Hugh Myddelton's New River enterprise, 115; is nearly drowned in the New River, 125; his reward of Myddelton, 143.
- JEWS' TOLL, levied upon dead Jews on Bow Bridge, 243.
- JOHN, King, overtaken by the Aegar, 28.
- JONES, INIGO, his bridge at Llanrwst, 251; his salary, 324.
- JURATS of Romney Marsh, 11.
- K.
- KENSINGTON, roads in the neighbourhood of, 163.
- KENT, roads in, 232.
- KINDERLEY, engineer, 64.
- KING'S LYNN, 19, 21, 27, 28, 31.
- KING'S DELPH, Canute's work of, 22.
- KIRKBY LONSDALE BRIDGE, 245.
- KNOLLES, Sir R., rebuilds Rochester Bridge, 247.
- L.
- LABELYE, builder of Westminster Bridge, 66, 263.
- LAMBETH, 12.
- LAND LIGHTHOUSES, 233, 289.
- LANCASHIRE, roads in, 183, 202, 224, 342.
- LAW and Custom of Romney Marsh, 10.
- LEA, Bow Bridge across the, 242.
- LEAM, Bishop Morton's, 29.
- LEEDS, roads near, 180, 205; bridge, 246.
- LEEDS AND LIVERPOOL CANAL, 455.
- LEEK, Brindley begins business at, 319.
- LEET, Plymouth, 91.
- LEVEL. (See *Great Level and Fens.*)
- LEVEL lengths on canals, Brindley's capital idea of, 379.
- LIGHTHOUSES, early, 286; Pharos at Dover, 287; Tour de Cordouan, 287, 290; Spurn Point and Isle of May, 288; Dungeness, *ib.*; Plymouth, 289; Rye, *ib.*; Littlehampton, *ib.*
- LILBURNE, Colonel, at Hatfield Chase, 46.
- LIMEHOUSE, breaches at, 14, 69.
- LINCOLNSHIRE, Fens, 20, 34, 181, 460; roads, 233.
- LINDSEY LEVEL, Lincolnshire, 58.
- LITTLEHAMPTON, harbour lights at, 289.
- LIVERPOOL, ferries, 297; communications

- LLANRWST.
 with Manchester, 345, 363, 366; compared with Bristol, 364, 416; Liverpool in 1650, 365; advantages of its port, 365; communication with London, 367; Duke's Dock, 393; benefits conferred on Liverpool by the Duke's canals, 416; Brindley's plan of building sea walls at, 460.
 LLANRWST, shaking bridge at, 251.
 LOCK, Canal, 375.
 LODGE PARK, Myddelton's residence in Wales, 146.
 LONDON, ancient, 12; water supply, 85; in Sir Hugh Myddelton's time, 100; Corporation adventures in piracy, 103; Corporation and the New River works, 109; water-carriers, 88, 114; St. Matthew, Friday Street, 105, 149; roads and streets, 158; bridge, 253; shipping in early times, 277, 281, 292; watermen, 293.
 LONDON BRIDGE, Old.—first bridge of timber, 254; rebuilt in stone by Peter of Colechurch, 255; its foundations, *ib.*; period of its construction, 256; its characteristics, 257; shooting the bridge, 258; its vicissitudes, 259; its many repairs, 260; opposition to any second bridge across the Thames, 261.
 LONDONERS' LODE, in the Fens, 32.
 LONG FERRY on the Thames, 293.
 LOUGHBOROUGH, Lord, his first journey to London, 197.
 LYDD, Romney Marsh, 9.
 LYME REGIS, harbour works at, 283.
 LYMNE (Portus Limanis), 8, 9.
 LYNN (See *King's Lynn*).
- M.
- MACCLESFIELD, and district, 307, 314, 320, 325.
 MALVERN CHASE reclaimed, 48.
 MANCHESTER, its communications with London, 174, 196; its early trade, 181, 316, 340; roads near, 343; its defective supplies of coals and provisions, 345; effects of the Duke's Canal, 361, 402, 415; smallness of the cotton trade sixty years since, 415; description of the growth of Manchester during the last century, 417; foreign trade through Bristol, 426.
 MANNERS and customs influenced by roads, 182.
 MANSFIELD, Lord, his first journey to London, 197.
 MANUFACTURES, origin of English, 103, 178.
 MAPS: the Fens as drowned, 26; Hatfield Level, 42; the Fens as drained, 51; Dagenham Breach, 78; Myddelton's native district, 94; New River, 111; Brading Haven, 134; mines in Cardiganshire, 143; Brindley's native district. 308; the Pottery district, 321; Duke of Bridgewater's Canal, 348-9; Manchester, 417; Grand Trunk Canal, 438.
 MARKET DEEPIING, 27.
 MARSH, in Lambeth, 13.
 MARSH, Romney, and others, 7.
 MARSHLAND, Lincolnshire, 19, 28.
 MATHEW, proposal of, in Cromwell's time, to improve navigable rivers, 301.
 MATILDA, Queen, erects Bow Bridge, 243.
 MAY, Isle of, lighthouse, 288.
 MERCHANT Adventurers of England, 102.
 MERIVALE BRIDGE, Vixen Tor near, 189.
 MERSEY FERRY at Liverpool, 297.
 MERSEY NAVIGATION, 303, 334, 345, 363, 372, 380.
 METCALF, JOHN, roadmaker,—birth and early life, 208; journeys on horseback and on foot, 213; joins a regiment in the rebellion of 1745, 217; becomes a travelling merchant, 220; road contractor and bridge builder, 222; his roads, 224; his mode of surveying, 225; his skill in road-making, 227; his death, 231.
 MILLWRIGHTS, their business and training, 311.
 MINES ROYAL, of Cardiganshire, 141.
 MOORFIELDS MARSH, 13.
 MORICE, PETER, Dutch engineer, 88.
 MORITZ's description of journey by basket coach, 198.
 MORTON'S LEAM (Bishop of Ely), 29, 57.
 MYDDELTON, Sir HUGH,—ancestry, 94; birth, 98; goldsmith's apprentice, 99; begins the trade of goldsmith in Bassishaw Street, London, 101; becomes merchant adventurer, 102; cloth manufacturer, 103; marriage, 105; alderman of Denbigh, *ib.*; his first coal-mining adventure, *ib.*; M.P. for Denbigh, 107; undertakes to construct the New River, 109; is supported by James I., 115; description of New River works, 120; ceremony at the opening, 125; embankment of Brading Haven, 133; Myddelton's patent, 135; mining enterprise in Wales, 141; is made a knight, 125; and baronet, 143; letter to Sir John Wynn, 147; Myddelton's death, 149; his will, 150; his descendants, 152.
 MYDDELTON, Sir THOMAS, 97, 124.
 MYDDELTON, Lady (of Sir Hugh), 105, 150.
 MYDDELTON, Captain WILLIAM, 97, 102.
 MYLNE, Mr., architect of Blackfriars Bridge, 265.
- N.
- NAVIGATION, INLAND,—rivers improved, 303, 334; in Lancashire, 345, 363; the Duke of Bridgewater's, 348, 362, 378; advantages of, 381.
 NAVY, the ancient British, 3.

- | NAVY. | SCOTCH. |
|---|---|
| NAVY, English, in early times, 276. | POOLE, piratical expedition sent out by, 280. |
| NENE, river, 19, 62, 67. | POPHAM, his Eau, 32; freebooting exploits, 175. |
| NEWCASTLE-ON-TYNE, bridge, 240; early coal trade, 291. | PORTSDOWN FAIR, 187. |
| NEWCASTLE-UNDER-LYME, 320, 427, 428, 431. | POTTERY districts, 319, 321, 327, 425, 446. |
| NEW CHAPEL, 467; Brindley's burial-place at, 476. | POWTE'S COMPLAINT, the, 54. |
| NEW RIVER, 89; the Act obtained, 108; map of, 111; description of the works, 120; its probable cost, 119; distribution of the water, 126; constitution of the Company, 129; its prosperity, 131. | PRESTON-ON-THE-HILL, 348, 378, 392, 432, 437, 441. |
| NEW ROMNEY, 9. | PRINCE OF WALES, accident to, from bad roads, 203. |
| NEWS, slow propagation of, in early times, 184. | PROVISIONING of London, 177, 191. |
| NEW WINCHELSEA, 10. | PRYME, DE LA, 38, 41. |
| NONSUCH HOUSE, on old London Bridge, 257. | PUDDLING, process of, 353, 355, 374, 475. |
| NORWICH, Bishop's Bridge at, 246. | PUMPING-ENGINES, Morice's, 88; Brindley's, 323, 327, 329, 359, 444. |
| O. | PUTNEY, proposed early bridge at, 262. |
| OGLANDER FAMILY, their MS. relating to Brading Harbour, 136. | R. |
| OLD LONDON BRIDGE. (See <i>London Bridge</i> .) | RAGLAN CASTLE BRIDGE, 250. |
| OLD ROMNEY, 9. | RALEIGH, Sir WALTER, 101, 103, 137. |
| OLD WINCHELSEA, 9. | RAMSEY, 22, 25; Mere, 68. |
| OUSE (Cambridge), 19, 32, 62, 66. | REBELLION of 1745, led to improvement of roads, 204. |
| OUSE (Yorkshire), 41; bridge at York, 250. | RENNIE, Mr., engineer, 20, 67. |
| OVERY, JOHN, London Ferry, tradition of, 253. | RIALTO, the, 271. |
| P. | RIDING on horseback in early times, 164, 174. |
| PACK-HORSE travelling, 179, 192, 416, 426. | RIOTS caused by Fen drainage, 46, 52, 58, 61; by turnpike roads, 205. |
| PACKMEN and pedlars, 185, 322. | RIVERS made navigable, 303. |
| PAPER-MILL at Macclesfield, Brindley's fitting of, 316. | ROADS,—uses of, 153; ancient, 157; Roman, <i>ib.</i> ; legislation respecting, 158, 203; Great North Road, 162, 204; in Sussex, 162, 231; near London, 163, 176; in the country, 166, 183; Arthur Young's description of them, 200; turnpike riots, 205; Metcalf's roads, 207, 222; in Lancashire, 183, 202, 224; in Essex, 200; Surrey, 231; Durham, 204; Kent, 232; Northampton, <i>ib.</i> ; Lincolnshire, 233; Staffordshire, 425, 431. |
| PASSAGE-BOATS established by Duke of Bridge-water, 404. | ROCHESTER BRIDGE, old, 240, 247. |
| PATTISON, Mr. N., his silk-mill at Congleton, 325. | ROMAN works in England, 7, 9, 13, 19, 157. |
| PEAK OF DERBY, Brindley's birthplace in, 307. | ROMNEY MARSH, 7; old and new, 9. |
| PERRY, Captain, engineer,—brought up at sea, 73; employed by Czar of Russia, <i>ib.</i> ; makes canals and builds docks for the Emperor, 74; returns to England, 76; stops Dagenham Breach, 77; employed at Rye Harbour, 81; death, 82. | ROTHER, RIVER, 9. |
| PETERBOROUGH, 22, 29. | RUNCORN, Brindley's proposed aqueduct at, 392; locks and dock at, 399. |
| PHAROS at Dover, 287. | RUSSIA in Czar Peter's time, 74. |
| PIERS, ancient, 283. | RYE, town of, 10; harbour, 81; lights, 289. |
| PIRACY of the early English, 103, 279. | S. |
| PITCH-POTS used for coast lights, 287. | SALE MOOR MOSS, canal across, 378, 383. |
| PLAISTOW MARSH, 12. | SALT, carriage of, on horseback, 426. |
| PLAGUE in London, 104, 108. | SANDWICH, 11. |
| PLUMSTEAD MARSH, 12, 14. | SANDTOFT, Hatfield Chase, 37, 45, 46. |
| PLYMOUTH, water supply by Drake, 90; lights, 289. | SANKEY NAVIGATION, 334. |
| PO-DYKE in Marshland, 20. | SARUM, earthworks at Old, 3. |
| PONT-Y-PRYDD, 270. | SAWNEY'S BRIDGE, Duke's Canal, 384. |
| | SCAMPING, ancient, 11. |
| | SCHEMER, Brindley designated the, 320. |
| | SCOTCH prisoners employed on Fen drainage, 61. |

- SEDGEMOOR.**
 SEDGEMOOR, 15; its drainage, 48.
 SHAKESPEARE'S description of early travelling, 164.
 SHAKING BRIDGE at Llanrwst, Inigo Jones's, 251.
 SHIPPING, early English, 102, 276.
 SHOOTING London Bridge, 258.
 SHOPS, want of, in towns in early times, 185.
 SHUDE HILL fight, 344.
 SIGN BOARDS, ancient village, 181.
 SILBURY HILL, earthworks at, 3.
 SILK manufactures in Cheshire, 314, 325.
 SILVER mine in Wales, Myddelton's, 144.
 SLEAFORD, 28.
 SMITH, SYDNEY, on old roads and travelling, 232.
 SMOLLETT, journey to London, 179; voyage to Boulogne, 295.
 SOHAM CAUSEWAY, 25.
 SOUTHWARK, 12.
 SPALDING, 25.
 SPECULATION in canal shares, 461.
 SPINNEY, 23.
 SPURN POINT Lighthouse, 288.
 STAFFORDSHIRE Pottery districts, 319, 321, 327, 425, 428, 446.
 STAGE-COACH travelling, 168.
 STAMFORD, Earl of, 381.
 STEAM-ENGINE, Brindley's improvements in, 329, 384.
 STEAM navigation on canals, 409.
 STOUR, valley of the, 11.
 STOWE, on the New River works, 113.
 STREETS or roads, Roman, 157.
 SUPERSTITIONS, 182.
 SURREY ROADS, 231.
 SUSSEX ROADS, 162, 231.
 SUTTON, near Macclesfield, 311.
- T.**
 TERINGTON DYKE burst, 31.
 TEUTONIC characteristics, 5-7.
 THAMES, embankment of, 12, 69, 80; early shipping of, 277, 281; a great highway, 292; Brindley's survey of, 457.
 THANET, Isle of, 11.
 THEOBALD'S PARK, 115.
 THORESBY'S notices of ancient travelling, 169, 175.
 THORNEY, 23, 25.
 THURROCK MARSHES, 70.
 TOBACCO, introduction of, 101.
 TORS, ancient, 4.
 TOUR DE CORDOUAN, 287, 290.
 TRACKWAYS, ancient, 157.
 TRAETH-MAWR, embankment of, 147.
 TRAFFORD MOSS, Duke's Canal across, 355.
 TRAVELLING, on horseback, 164; by carriage, 165; by stage waggons, 167; by stage coach, 168; by packhorses, 179; at the end
- WHITCHURCH.**
 of last century, 196; between London and the principal towns, 196.
 TRENTHAM, 321, 337, 409.
 TRENT and Mersey Canal, 335, 380, 392, 424, 438.
 TRIANGULAR BRIDGE, Croyland, 241.
 TRINITY HOUSE established, 288.
 TUNSTEAD, Brindley's birthplace at, 308.
 TURNHURST, Brindley's house at, 469.
 TURNPIKES, establishment of, 203.
- V.**
 VERMUDDEN, the Dutch engineer, 15, 33; his birth, 36; employed to stop Dagenham Breach, &c., *ib.*; his drainage of Hatfield Chase, 38; is knighted by Charles I., 43; is violently opposed by the native population, 44; his embankments destroyed, 46; his mining adventures, 48; his drainage of the Great Level, 49, 59; his Discourse on Draining, 60; the works completed, 63; his perseverance, 64; his death, 65.
 VILLAGES, ancient British, 3.
 VIXEN TOR, near Merivale Bridge, 189.
- W.**
 WADE BRIDGE, Cornwall, 247.
 WAGGON, the old stage, 167.
 WAKEFIELD BRIDGE, 249.
 WALDERSEA drainage, 32.
 WALKER COLLIERY steam-engine, Brindley's, 333.
 WALLEND MARSH, 7.
 WALPOLE, HORACE, his letters, 177, 336, 340.
 WAPPING, breaches of the Thames at, 14, 69.
 WARE, in Hertfordshire, 110, 170.
 WARRINGTON, Lord, 384.
 WASH, the Great, 19, 21.
 WATER-CARRIERS, London, 88, 114.
 WATER, the engineer's enemy and friend, 17, 85.
 WATER supply of London, early, 85.
 WEAVER NAVIGATION, 304, 432.
 WEDGWOOD, the brothers, 322, 328.
 WEDGWOOD, JOSIAH, 429; his first pottery, 430; forms a road through the Potteries, 431; supports the Grand Trunk Canal, 431, 433; cuts the first sod, 439; Wedgwood's manufactures, 447; letter of, 451; his memoir of Brindley, 474.
 WELLAND, RIVER, 19, 27, 62.
 WELLS, London, 86.
 WESLEY, his visit to Burslem, 427, 448; to Congleton, 428.
 WESTERDYKE, Dutch engineer, 50, 61.
 WESTMINSTER BRIDGE, 262.
 WEYHILL FAIR, 188.
 WHITBY, old harbour, 285.
 WHITCHURCH, Denbigh, 96, 106.

WHITTLESEA.	ZEELAND.
<p>WHITTLESEA MERE, 22, 68. WIGGENHALL, St. German's, 27. WILL of Sir Hugh Myddelton, 150. WINCHELSEA, 7, 9, 10; pirates, 280. WINCHESTER Great Fair, 188. WINDSOR PARK, drainage of, 36. WISBEACH, 19, 21, 29. WITHAM, river, 8, 21. WOLVERHAMPTON CANAL, 449. WOOD, ROBERT, tutor to Duke of Bridge- water, 336. WOLLATON HALL, building of, 177. WOOL-PACKS, bridges said to be founded on, 247, 256. WORKMEN, Brindley's, 389. WORMHILL PARISH, Brindley born in, 310. WORSLEY Basin, 306, 357; Brook Naviga- tion, 334, 346; collieries, 340, 345, 400, 409; Old Hall, 350, 395. WYNN, Sir JOHN, 105, 147.</p>	<p>Y.</p> <p>YARMOUTH, its piratical expeditions, 280; at war with Lowestoft, 280; old harbour, 285. YARRANTON, on improvement of navigable rivers, 301. YORKSHIRE, roads in, 169, 180, 202, 205, 224. YOUNG, ARTHUR, descriptions of the roads, 200; of the Duke's canal works, 356, 359, 381. YOUNG, Dr., Whitby, on ancient villages, 4.</p> <p>Z.</p> <p>ZEELAND, system of drainage in, 36, 55.</p>

END OF VOL. I.