Sydney Dwelling-houses.—The stranger is much struck by the handsome appearance given by the profuse use of cedar in the fittings of the Sydney dwellings. It has all the beauty in colour and figure of the Spanish mahogany: indeed, the experience of an upholsterer is necessary to detect the difference by sight alone. In solidity and closeness of grain, the Australian cedar is, however, greatly inferior to mahogany. The doors, sashes, window-frames and shutters, staircases and balustrades, skirtboards and cornices, and, in a few instances, the floors and ceilings are of cedar. Even the housemaids' closets have all the exterior appearance of polished mahogany doors. This profusion of dark-coloured, unpainted wood in the fitments of a house pleased my eye exceedingly; but my taste was disputed by many, some going so far as to state that it made a dwelling-house look like a gin-palace!—*Mundy's "Our Antipodes."*

Roman Bath and Pavement at Lyme.—An ancient Roman bath and a tesselated pavement have been opened out in an enclosure with old stone walls and earth, called, from time immemorial, the churchyard, and situate at Holcombe Farm, in Uplyme parish, Lyme Regis. The pavement was first discovered about two years ago, but was covered up again till lately. The enclosure is about 300 feet long by 42 feet broad, and is said to contain a great quantity of old building materials. Some hundreds of loads of worked stone were many years since taken out of this enclosure for drainage purposes.

The Royal Exchange, London.—The liberties that are being taken with the façade of the City Exchange in connection with the "improvement" of the shops with which it is associated, still form the subject of urgent protests on the part of our correspondents. We regret to think that the letter we published some weeks since has not as yet put a stop to these proceedings, and it is of little use, we fear, printing the communications of "Civis" and others to a similar effect, still forwarded to us on this subject.

The Thames Tunnel.—A project is on foot to complete the approaches to the Thames Tunnel on both sides of the river. A very large traffic is constantly going on between the Surrey side of the Thames and Wapping, Limehouse, Poplar, &c. all of which has now to be conveyed an unnecessary circuit of nearly six miles. London-bridge would be relieved of a great portion of this traffic by the opening of such a communication, which would also give to Southwark and its outlying districts a short and easy access to and from the East and West India Dock Railway terminus, and thence to the whole net-work of railways north of the Thames.

A Carbonic-acid Gas Engine.—Years since we pointed attention to a piece of common marble as a hopeful source of useful power in place of steam, where fuel was scarce but sulphuric or other acid abundant. In marble—a carbonate of lime,—or in carbonate of soda, we have an abundance of "fixed air," as carbonic acid gas was once called,—air fixed, but easily set free,—a sort of bottled wind,—wherewith cylinders might be filled, and machinery worked. The idea has been latterly realized, we know not with what success, by a Mr. J. F. Lackerstein, who has patented certain apparatus for obtaining power by the use of carbonic acid gas, generated, as he prefers, from carbonate of soda, in solution, by means of sulphuric acid, but also from other carbonates, such as that of lime, and by means of other acids besides the sulphuric. The products are in many cases so valuable as to greatly economise the working power. The operation of the acids on the apparatus is of course guarded against, in this case, by protection with platinum or gold. Enamelled iron, such as acid conserves are made in for household use, would be cheaper than either gold or platinum.

Cambridge Asylum for Soldiers' Widows.—The first stone of this building was laid on Tuesday, the 15th, in Norbiton Park, Kingston, Surrey, by H. R. H. Prince Albert. The design, which we have already noticed, is by Mr. Thomas Allom. Messrs. Locke and Nesham are the contractors.

Thames Embankment.—The Bill, as amended by the select committee, to enable the Commissioners of Works to make an embankment from Vauxhall to Chelsea-gardens, has just been printed. A clause has been added, that the Act is not to affect agreements already entered into between the Commissioners of Woods and Forests and other parties.

St. Bride's, Fleet-street.—The interior of this church is about to be repaired, painted, marbled, and gilded, under direction of Mr. John Shaw. The tenders were,—Clarke and Barnes, 669*l.*; George Cooke, 644*l.*; Robert Cooke, 549*l.*

Metropolitan Sewers Commission.—Mr. Richard Jebb, of Old-square, Lincoln's-inn, has been appointed by the Lord Chancellor as chairman of the commission.

Metropolitan Cattle Market.—It is now definitively settled that the market will be established in Copenhagen-fields; the Corporation having purchased land for that purpose.

TENDERS

For new church, Thornhill-square, Islington. Messrs. Newman and Johnson, architects.

Beckonsell (Abingdon)	£6,260	0	0
Myers	6,500	0	0
Carter and Ellis (Islington)	6,299	0	0
Jay	5,717	0	0
Dove (Islington, accepted)	5,600	0	0

Quantities not furnished.

For building four dwelling-houses and a warehouse at Whitechapel. Mr. William Dobson, architect.

King	£2,194	0	0
Starkie	1,959	10	0
Parks	1,957	0	0
Hill	1,945	0	0
Webb	1,945	0	0
Perry	1,835	0	0
Hayers	1,797	0	0
Brake	1,512	0	0
Case and Higgs	1,677	0	0
Livermore	1,649	0	0

For restoration and additions to Trinity Hall, Cambridge. Mr. Anthony Salvin, architect.

Peck	£6,440	0	0
Quinsee and Attack (Cambridge)	5,380	0	0
Bell (Cambridge)	5,351	0	0
Smith and Appleford	5,180	0	0
Lawrence and Son	5,068	0	0
Myers	4,990	0	0
Holland	4,927	0	0
Lucas, Brothers	4,850	0	0
Kelk	4,785	0	0

For the erection of the new church at Bitterne. Mr. Guillaume, architect.

King and Vere	£3,441	10	0
Chapman	3,290	0	0
Haines	3,170	0	0
Langdon	2,999	0	0
Brown (Southampton)	2,995	0	0
Brown (Winchester)	2,983	0	0
Fry	2,936	0	0
Gambling	2,860	0	0

For a house at the Sugar Refinery, Plymouth. Quantities furnished. Mr. W. Damant, architect.

Stilson	£1,086	18	6
Dovey and Matcham	1,000	0	0
Westlake	990	0	0
Roberts and Co.	970	0	0
T. Marshall	944	5	0
C. Dwelley	907	0	0
J. Marshall (accepted)	895	0	0

For additions and alterations to *Morning Advertiser* office. Mr. Stevens, architect.

Perkins	£2,670	0	0
Mills	2,580	0	0
Weston	2,610	0	0
Gammon	2,397	0	0
Jay	2,135	0	0
Cooper	2,128	0	0
Locke and Nesham	2,045	0	0
Chasterman	1,898	0	0
Rudkin	1,875	0	0
Norris	1,843	0	0
Bensby	1,711	0	0

For work at Bethlem Hospital. Mr. Sydney Smirke, architect.

Holland, H. and R.	£4,971	0	0
Willson	4,817	0	0
Baker and Son	4,632	0	0
Grimsdell	4,595	0	0
Howard and Nixon	4,487	0	0
Patchard	4,172	0	0
Lee and Son	4,145	0	0
Todd	4,428	0	0
Piper, T. and W.	4,370	0	0
Locke and Nesham	4,370	0	0
Lucas	4,292	0	0
Jay	4,201	0	0
Myers	3,983	0	0

For works at the London Orphan Asylum. Mr. Ashpitel, architect.

Holland, H. and R.	£3,069	0	0
Barber	3,084	0	0
Myers	2,981	0	0
Jay	2,761	0	0
Coleman	2,548	0	0
Piper, T. and W.	2,583	0	0
Norris (accepted)	2,480	0	0

TO CORRESPONDENTS.

"*Tar.*"—Can any of your correspondents inform me what I can introduce into some Stockholm tar for the purpose of making it dry, hard, and quick?

"*Theory of the Tides.*"—Several correspondents have addressed us on this matter, simply assenting to or dissenting from the views to which we recently gave insertion. The inquiry would not be advanced by printing their communications.

"Clericus" (the arrangement proposed for heating churches would *not* be satisfactory. Amongst other objections the air admitted would be *hotter* instead of warmed), "W. H. C.," "G. W. B.," "J. H." (under our mark), "M. C." (do), "Grono," "Viator," "Vindex," (the "College" in question has expired), "J. T. W.," "One of Mr. Baker's Hodmen," "S. H.," "C. C. N.," "W. P." (declined with thanks), "C. J. E." (was made aware of the proceeding), "F. S.," "T. P.," "J. A. F.," "Rural Rambler" (the minister may have some good reason, of which we are not aware, for not allowing tiles to be laid down at King's Norton church), "Young Antiquary" (the signature of the minister of his parish, or any known inhabitant, will obtain him a card to read at the British Museum or the Head of the firm from which he dates his letter), "M. and H." (will appear), "G. F. D." (ditto), "Footpad," "F. H. M.," "E. T.," "G. T. R.," "W. A." (we have the published report), "W. H." (we shall be glad to have block).

"*Books and Addresses.*"—We have not time to point out books or find addresses.

NOTICE.—All communications respecting *advertisements* should be addressed to the "Publisher," and not to the "Editor;" all other communications should be addressed to the Editor, and not to the Publisher.

ADVERTISEMENTS.

A STEADY PARTNER WANTED, to join the Advertiser's own, who can succeed a Civil Engineer, with whom he has been engaged several years. An intelligent young man may soon be instructed. About 300*l.* capital required.—Apply, by letter, to P. C. at the Office of "The Builder," 1, York-street, Covent-garden.

TO BUILDERS, TIMBER MERCHANTS, QUARRYMEN, AND RAILWAY CARRIAGE BUILDERS.

PARTNER WANTED, by John Wilson, of Grantham, in the county of Lincoln.—In consequence of the declining health of Mr. Neale (Mr. Wilson's late partner), an opportunity now presents itself to a gentleman who can undertake to manage a proportion of either of the above branches, and such gentleman having from 1,000*l.* to 2,000*l.* to invest either immediately, or in a few months, will be admitted to all the connection possessed by the advertiser, of fifteen years standing. For building purposes, the workshops are exceedingly well arranged and are attended principally on the ground floor. For the timber trade, the yard is capable of doing any amount of business, with excellent cranes, and every convenience, close to the saw mills, which mills in all are sixty-horse power. A branch from the Ambergate Railway runs through the yard and workshops, which line will, in a few years, be intersected by the Great Northern Railway.

LINCASTER STONE QUARRIES.—These quarries are in the occupation of the Advertiser, and will form a portion of the partnership.

The railway carriage building department is complete with all kinds of saw benches, such as lathes, drilling, screwing, punching, and planing machines, with fitting shops and smithy, containing five forges.

The above offers a favourable opportunity for the investment of capital, with every prospect of a large return.—For further particulars apply to Messrs. NEALE and WILSON'S offices, Grantham.

SHOP FOREMAN WANTED, capable of superintending about forty men.—Apply by letter, pre paid, to A. B. 68, St. Martin's-le-Grand.

FIRE-CLAY GAS RETORTS.—WANTED, immediately, ONE or TWO GOOD HANDS accustomed to the manufacture of fire-clay retorts.—Address, F. C. Post-office, Leeds.

WANTED, a few good BENCH JOINERS, at Country Wages. Apply to F. CUSLING, Elmham, Norfolk.

TO CARPENTERS AND JOINERS.

WANTED, Eight or Ten GOOD HANDS.—Apply to HERBERT GRIFFITHS, Builder, Guildford, near Bridgenorth.

WANTED, a FOREMAN, who thoroughly understands the whole trades of a Saw-mill.—Apply at Caledonian Mill, New Wharf-road, Caledonian-road.

WANTED, a BUILDER'S CLERK, fully competent with the duties of the office.—Apply, stating salary required, full particulars of last engagement, &c. to B. C. 1, Office of "The Builder," 1, York-street, Covent-garden.

WANTED, in the Country, a GENERAL BUILDER'S CLERK and BOOK KEEPER. He must understand measuring all kinds of works, and taking out quantities, &c. State age and salary.—Address, 88, Cheapside.

WANTED, by an Architect in the north of England, a good DRAUGHTSMAN and GENERAL ACCOUNTANT. One who has been brought up in a builder or surveyor's office would be preferred.—Address, A. B. Post-office, Sunderland.

TO PLUMBERS.

WANTED, a steady, active MAN, as Three-branch Hand. It is essential he should be a good Plumber and of good character. A man who is willing to make himself useful, would have constant employment at good wages.—Apply at 11, Broad-street, Golden-square.

WANTED, a SITUATION as CASHIER, TIME-KEEPER, or CLERK, by a person thoroughly experienced in contractors' accounts; he has been accustomed to measurings, and is fully competent to the superintendence of works, &c. Testimonials from and references to eminent contractors with whom he has been.—Address, D. P. Railway Coffee-house, 75, Belmont-street, Euston-square, London.

TO BUILDERS' FOREMEN.

WANTED, an active WORKING FOREMAN, in a Joiner's Shop, fifty miles from London. A person not beyond middle age would be preferred.

WANTED also, an OUT-OF-DOOR GENERAL FOREMAN, competent to superintend the several branches of the building business.—Addresses, post paid, stating particulars, references, where last employed, and when at liberty, to J. P. 30, Cranbourn-street, Leicester-square.

TO BUILDERS.

AN active experienced FOREMAN is in want of a SITUATION as WALKING or PIECE FOREMAN, better accustomed to both duties. He can be well recommended.—Direct, A. B. 21, Lower Marsh, Lambeth.

VACANCY for a CHECK CLERK, in a factory. The duties are to keep time and accounts, also to rate the workmen in and out. It is necessary to have a person of very regular habits of ability, and nerve, to keep a large number of workmen in order in the absence of the foreman. A middle-aged man, from the country preferred, without a large family as he will have to reside on the premises.—Apply by letter, stating age and last employment, to T. K. Office of "The Builder," 1, York-street, Covent-Garden.