NEW ELECTRIC ARTS.

Process of Welding by the Use of the Alternating Current.

LOW LIGHTS IN STREET SERVICE.

An Apparatus That Extracts Teeth Without Pain or Hemorrhage.

BIRDS IN THE TELEGRAPH POLES

[PREPARED FOR THE DISPATCH.]

One of the most valuable and interesting of the new electrical arts is that of welding, to which attention was first called a year or two ago by Prof. Elihu Thomson, and which has since been carried to a notable degree of perfection. A recent development is that of welding the shells of projectiles, and a huge factory has just been fitted up in New England for the work, upon which a striking economy over the old methods is effected.

A great deal of work is also being done in the welding of steel tires, steel cables, boiler tubes, electric wires, pieces of dissimilar metal, chain links, barrel hoops, cotton bale ties, ax heads and edges, etc. The manner in which the welding is done has already been seen by Pittsburgers who visited the Exposition building a short time ago. The alternating current is employed. The pieces of metal are united by jamming them together and passing the current through them until the metal becomes soft enough from heating to form a perfect joint. The time required for welding runs from a fraction of a second up to five minutes, depending on the size of the metal. In the machine are two heavy copper clamps, one movable, the other fixed. Into these clamps are put the ends of the objects to be welded together. Pressing is then applied by means of a crank bringing the two pieces or objects together. By means of a "converter," a current of enormous volume and very low pressure passes through the abutted ends. Enormous heat is developed. The weld begins at the core of the pieces, and extends rapidly outward to the surface. Intimate union takes place immediately, and almost before one sees it, the work has been done.

With an ordinary welder iron bars of from ¾-inch diameter to 1¼-inch are welded, and the joint is as solid as any part of the original pieces. Such bars under welding treatment become red hot for about an inch and a half on each side of the weld, but are comparatively cool at a distance of another inch. The process with tubes and other metal parts is much the same.

A new application of electric welding has just been found in the building of men-of-war and other iron or steel clad ships by using it to weld on the heads of the rivets of the plates. This new method is inconceivably quicker and cheaper than the old. Electric welding is now being largely used in different parts of the country, and has already entered so largely into the list of established mechanic arts that an electric welding jobbing shop has been opened in Brooklyn, N. Y., to which anybody can take their work, and can get it done for a small charge.

Ornamental Poles and Wires.

The methods of placing electric lights around the streets and public places have been numerous and widely different, but at the present time a marked tendency is showing itself toward the use of low poles only. These poles are much taller than the gas lamp posts they oust, but are much shorter than the masts which Allegheny was so unfortunate as to adopt. A few years ago one of the sights of New York City was Madison Square, with its cluster of large arc lights perhaps 150 feet up in the air, shedding a soft moonshine over the children as they played and the lovers who strolled beneath the silvered boughs. But the "tower" was replaced by short poles, and the order to "let the lower lights be burning" has been heard with the result that before long these lo ty torches will nearly all be a thing of the past.

Meantime, an improvement is going on in the design of the short poles, especially where iron has been admitted as a constructive material. The flexibility of the electric system has invited the trial of novel methods. Thus, in Berlin, the arc lights are carried on brackets of handsome iron scrollwork, reaching out over the sidewalk from the house against which they have been fastened. The effect is said to be very pretty. Another plan proposed has been that of carrying light and graceful iron across a street and letting the lamp hang at the center. An approximation to this is seen in many American cities, where at street intersections, the lamps are run out at the end of long mast arms. The effect thus obtained is pretty and brilliant. One thing is evident and that is, that poles need not be ugly and that wires need not be obtrusive. In Italy, a novel way of getting the wires out of sight has been to carry them alongside the fronts of houses, against which they lie flat and practically concealed. A new scheme recently brought forward in America, has been to bunch the wires in light troughs or aerial conduits carried on ornamental poles at the edges of the sidewalk.

Underground Electric Traction.

This subject has become a leading theme in New York and Boston, where the questions of rapid transit more and more press for solution. In Boston the matter was discussed a few days ago at a dinner of the important Boot and Shoe Club, whose members are evidently of the shrewd opinion that the more people can enjoy rapid transit the more leisure they will have for the healthy wearing out of shoe leather. A striking contribution to the data brought forward was a letter from Sir Benjamin Baker, the well-known engineer of the great Forth bridge, who is developing the new underground electric system in London. One electric road, 60 feet underground, four miles long, is now running most successfully and has already carried more than a million passengers. That road is to be doubled in length and Sir Benjamin states that another is to dip under it at right angles from west to east, a length of six miles, penetrating in more senses than one to the very heart of the city. A plant of 5,000 horse-power is to be put in at the end of the line. The trains, of which there will be 18 to start with, will consist of six cars and will each seat 336 passengers.

The speed will range from 14 miles an hour up to a maximum of 25, and the electric locomotives will develop 300 horse-power at 13 to 14 miles. Like the other road the line will run through circular iron tunnels, each track separate. It will be low down, below all sewers and pipes, avoiding all complaints, damage to property and the like. This work is of special interest to such a city as Boston, whose tortuous, narrow streets are an insurmountable obstacle to cable traction, and whose elevated roads, if ever built, would require the cutting through of a new thoroughfare. The city is outgrowing the facilities of its surface electric street car facilities and is now turning its eyes to the remarkable achievements in conservative old London. It is stated that Paris is to copy the new plan very soon. In New York the plan has so far progressed that elaborate details have been worked out, and leading electrical companies and engineers stand ready to perform their part of the undertaking.

Poles as Apartment Houses.

Attention has recently been called to the fact that out West the red cedar telegraph poles are often attacked and rendered useless by the borings of the woodpecker, which not only uses the pole as a kind of apartment house, but makes it into a granary also. Some poles have had as many as 700 holes, large and small, made in them. In Natal, South Africa, corresponding trouble has resulted from the ingenuity of a bird whose eggs had hitherto been eaten by snakes. It seems to have struck the birds that the snakes could not climb the smooth poles as easily as they could the trees, and so there has been an immigration to the poles. A singular fact is that, since making this change of base, the birds, which had placed the opening of the nest at the bottom to render entry by the reptiles difficult, have now, under the safer conditions, reverted to an earlier practice of leaving the orifice in the side.

It is stated that in Brazil the telegraph wires have suffered from the growth around them of orchids. Similar trouble has been experienced in other tropical regions from the tricks of monkeys, which have not only used the wires as a free gymnasium, but have tried their best to undo the painful work of the lineman and constructor. But, after all, the monkeys swinging from the wire by their tails and cracking cocoanuts on the insulators, find their rivals in some of our sharp-shooting cowboys, who, when feeling specially festive, will ride across the plains at full tilt, aiming as they go at the glittering glass knobs of the telegraph line, which, of course, soon succumb to a few volleys of this searching nature.

Photographers' Electric Lamp.

Photography has made wonderful strides during the past few years, and its progressive tendency is further shown in the extent to which it is being supplemented by electrical appliances. There are, however, some departments of the photographer's work which have suffered in consequence of the primitiveness of the devices employed, and in which modern ideas are effecting most beneficial changes. Among these is an arrangement for improving the lighting of the laboratory during the development of the plates. The little red glass lantern lighted by a petroleum lamp often leaves much to be desired, the lamp may smoke or burn low, and this irregular and uncertain light may cause great inconvenience if it should happen at a moment when a plate is immersed in the developing bath. As a means of inducing greater certainty and convenience in this operation, a very ingenious little apparatus has been invented, which furnishes the photographer with just the quality and quantity of light he requires for his operations. This invention consists of a little incandescent electric lamp, which burns under a red glass. The apparatus is very simple, and the cines employed for the battery are mounted in such a way that it is very easy to change them when required. The reflector containing the red lamp can be moved round the apparatus; moreover, it turns on an axle, which enables it to be directed downward, and thus to light up the developing vessel. Although for the purpose of photographic operations, the reflector is supplied with a movable red lantern, a lantern of any other color may be substituted.

Electricity in Dentistry.

An interesting demonstration of the possibilities of electrical application in dentistry was recently given before the Institute of Medical Electricity in England. The most remarkable success was attained in the painless extraction of teeth by electricity. The apparatus used consisted of a small induction coil with a vibrating armature so highly strained by screw clamps at either end that its vibrations were similar to those of a piano or violin string. The mode of operation is as follows: The patient takes the metal handles, or electrodes, connected by flexible wires to the coil, one in each hand. The current is gradually increased until the electrical capacity of the patient is ascertained, when it is stopped and connection is made between the handles of specially constructed forceps and the poles of the coil. The current is again turned on at the moment of applying the forceps to the tooth, which, under the circumstances, is extracted without pain. A further advantage of this application is that the use of the current is said to aid materially in checking the hemorrhage, which frequently forms so distressing a feature of dental operations.

Dentists in this country have not been slow to avail themselves of another application which is found to be of the utmost value, the electric drill and mallet. The drill is quick in action and under perfect control. The mallet, being smooth and round, and without external coils or protections of any kind, accommodates itself readily to the hand of the operator. The blow is rapid and positive, and its force and rapidity can be regulated with the greatest accuracy by means of an adjustment screw, and further increased or diminished by the amount of hand pressure exerted upon the filling in the tooth.

WELL WORTH CONSIDERING

Are the Bargains at Thompson's New York Grocery.

21 lbs granulated sugar	$1 00
5 cans California peaches	1 00
12 lbs extra large prunes	1 00
16 lbs raisins	1 00
8 lbs choice California peaches	1 00
8 lbs choice apricots	1 00
Extra sugar-cured hams, per lb	9½
Extra sugar-cured shoulders, per lb.	6½
Pure ground pepper, per lb	12½
Choice Orleans molasses, per gallon	33
Choice Honey Drip syrups, per gal.	35
15 lbs granulated sal soda	25
50 bars good scrubbing soap	1 00
30 bars white floating soap	1 00
30 bars chipsweet soap	1 00
28 lb bars German mottled soap	1 00
16 lbs dried lima beans	1 00
12 lbs cream cheese	1 00
14 lbs sun dried peaches	1 00
1 lb best smoking tobacco	20
1 lb good chewing tobacco	25
30-lb pails jelly	1 50
30-lb pails preserves	3 00
5 bottles English pickles	1 00
8 lbs prepared cocoanut	1 00
9 cans fine French peas	1 00
1 dozen parlor matches, 200's	10
12 cans good sugar corn	75
12 cans white wax string beans	85
12 cans good tomatoes	85
6 lbs 20-cent tea	1 00
5 lbs 25-cent tea	1 00
4 lbs 30-cent tea	1 00
3 lbs 40-cent tea	1 00
2 lbs. English breakfast tea in fancy basket	50

Goods delivered free to all parts of both cities. To those living out of the city we will prepay freight on all orders of $10 and upward to any station or landing within 100 miles of Pittsburg. Send for price list.

M. R. THOMPSON,
301 Market street and 69 Third avenue, opposite Gusky's.

THE CHILEAN CONGRESS.

It Will Convene in Extra Session on the 15th —False Rumors Denied.

A New York business house has received a cable from Santiago de Chile, advising that an extra session of Congress will assemble on the 15th of this month.

It is further stated that the report that the Constitutional President, Balmaceda, is willing to withdraw on the condition that he is allowed to name his successor, is false, and probably emanates from the same parties who circulated the report that he had been assassinated.

Second-Hand Pianos.

Schmer square grand (good as new)	$275
Chickering artist grand	275
Grovesteen & Fuller square	225
Kranich & Bach small grand	325

The above bargains and also a choice selection of the celebrated Henry F. Miller pianos, at W. C. Whitehill's Music Parlor, 152 Third avenue.

FURNITURE reupholstery a specialty. HAUGH & KEENAN, 33-34 Water street. su

If you want to get a perfect-fitting suit of clothes, overcoat or pair of trousers at a very reasonable price, go to Edward Schauer, Merchant Tailor, 407 Wood street.

Are You Done House Cleaning?

If so, you'll need carpets, curtains, etc. Read our "locals."

J. H. KUNKEL & BRO.

Do You Eat?

I want to prove to all my friends and customers that while I work for my own interest I don't forget theirs. First to cut prices down; last to put them up, and strictly first-class goods, is my aim. Send for April price list and special offer slip.

I will give with all regular orders of ten ($10) dollars and upward

21 lbs granulated sugar	$1 00
23 lbs standard A sugar	1 00
20 lbs California grapes	1 00
15 lbs boneless codfish	1 00
10-lb kit mackerel	1 00
7 lbs roasted coffee (fresh ground)	1 00
7 lbs choice evaporated apples	1 00
4 lbs chewing tobacco	1 00
3 lbs evaporated raspberries	1 00
4 lbs Weyman's tobacco	1 00
8 lbs white clover honey	1 00
5 lbs tea (in all varieties)	1 00
50 bars family soap	1 00
Large family scales	1 95
9 cans fresh mackerel	1 00
24 lbs new codfish (whole)	1 00
30 bars soap (5 cents size)	1 00
7 lbs dessicated cocoanut	1 00
6-foot step ladder, complete	98
1 clothes horse (4 wings; 6 feet)	85
1 gallon New Orleans molasses	30
1 gallon glass oil can, tin-covered	20
4 lbs dried corn	25
Sugar-cured hams, per lb	9½
1 can best Lima beans	8
1 can genuine sugar corn	8
1 can pumpkin	7
1 can solid packed tomatoes	8
1 can peas	7
1 can string beans	6
Sugar-cured shoulder, per lb	6½

Delivered to all parts of two cities. To parties living out of the city will prepay freight on all orders of $10 and upward. Send for price list.

JAS. J. WELDON,
No. 201 Market street,
Corner Second avenue, Pittsburg.

New Patents.

O. D. Levis, patent lawyer, 131 Fifth avenue, Pittsburg, sends the following new patents just issued: J. H. Jenkins, Sandusky, O., hay stacker; Lawrence Paff, Beaver Falls, Pa., display rack for carpets; V. E. Cole, Republic, O., hay rake; T. J. McGuire, Allegheny, pipe coupling; R. D. Nuttall, Allegheny, removable toothed gear; J. A. Zinn, Altoona, hydraulic switch and signal apparatus; Scott Stewart, Riverville, W. Va., grain cleaner. United States and all foreign patents procured. Established over 20 years in the patent business exclusively. Office open every evening until 9 o'clock.

The Henry F. Miller Piano

The favorite with musicians, and a piano that has gained great fame on account of its wonderful musical tone, quality of tone and unsurpassed durability in the homes of music lovers.

A complete stock of these instruments, including grands, parlor grands, uprights and pedal uprights, at W. C. Whitehill's Music Parlor, 152 Third avenue.

$6. Trousers $6.

Made to order, and a perfect fit guaranteed, at Edward Schauer's, 407 Wood street.

HOUSEHOLD goods packed and shipped. HAUGH & KEENAN, 33-34 Water street. Su

MEETINGS.

THE MEMBERS OF HILLDALE COUNCIL 235, Jr. O. U. A. M., will assemble at 25 Federal st., on APRIL 5, at 12:30, to attend the funeral of their late D. S. C., J. A. Miller. ap5-77 S. H. FRAZIER, C.

NOTICE—MEMBERS OF MARTHA Washington Assembly No. 1, A. O. K. of M. C., are respectfully requested to meet at their hall on SUNDAY, April 5, at 2 o'clock sharp, to attend the funeral of our late brother, Joseph Proctor. By order of the ASSEMBLY. ap5-17

NOTICE—A SPECIAL MEETING OF the Journeymen Stonecutters' Association will be held at 25 Federal street, Allegheny, on MONDAY EVENING at 7:30 o'clock. Business of importance. ap5-8

NOTICE—MEMBERS OF THE FIRST Regiment, United American Mechanics. The institution at Mansfield, O., has been postponed until MONDAY, April 20. By order of the Supreme Commander.
CHAS. T. W. COOPER, Supreme Recorder. ap5-5

MEMBERS OF SMOKY CITY CASTLE, No. 16, A. O. K. of M. C., are requested to meet at their hall, corner Main street and Penn avenue, on SUNDAY at 1 o'clock P. M. sharp, to attend the funeral of our late brother, Joseph Proctor. Sister castles are earnestly invited. SAMUEL SIMCOX, S. K. C. ap5-4

NOTICE—MEMBERS OF PLYMOUTH Council No. 236, Jr. O. U. A. M., are requested to assemble at their hall, corner Ohio and West Diamond streets, Allegheny, on SUNDAY, April 5, at 1 P.M., sharp, to attend the funeral of our late brother, R. S. John A. Miller. Other councils are invited to participate. By order of C. W. H. ECHOS, A. R. S. ap4-20

PROPOSALS.

SEALED PROPOSALS—SEALED PROPOSALS will be received by the Electric Light Commission of the city of Wheeling, State of West Virginia, until April 23, 1891, at 12 o'clock noon, for the materials and machinery and the erection of a four hundred (400) arc light electrical street lighting installation for the city of Wheeling, according to plans and specifications on file in the office of the Board of Gas Trustees of said city. Bids to be for the entire plant or for any part thereof, as set forth in said plans and specifications. All bids to be accompanied by a certified check in the sum of one thousand ($1,000) dollars, to the city of Wheeling, to be forfeited to said city upon the failure of the successful bidder to sign the contract and give the bond required.
[Signed] ELECTRIC LIGHT COMMISSION.
P. F. FARRELL, Chairman.
A. A. FRANZHEIM, Secretary. ap5-126

JEFFERSONVILLE, IND., APRIL 3, 1891.—Sealed proposals, in triplicate, subject to usual conditions, will be received here until 11 o'clock A. M. (central standard time) Monday, the 4th day of May, 1891, for furnishing at the Quartermaster's Depot here various articles of quartermaster's stores, such as stationery, office furniture, ranges, galvanized ash barrels and feed boxes, cocoa matting, horse blankets, hand carts, escort wagons, blacksmiths, wheelwrights, saddlers, painters' and miscellaneous tools; hardware, rubber hose, lawn mowers, mowing machines, paulins, wagon parts, coffins, horse and mule collars, horseshoe nails, horse and mule shoes, axle grease, rope, iron, paints, oils, range castings, etc. Preference will be given to articles of domestic production and manufacture, conditions of quality and price (including in the price of foreign productions and manufactures the duty thereon) being equal. Government reserves right to reject any or all proposals and to accept the whole or any part of the supplies bid for. All information furnished on application to this office. Envelopes containing proposals should be marked "Proposals for Q. M. Stores" and addressed to Colonel HENRY C. HODGES, Assistant Quartermaster General, U. S. Army, Depot Quartermaster.
ap3-43-3, 4, 5, 6, 29, 30

EXCURSION TO ALABAMA

To sale of Marble City Land and Furnace Co. sale of lots leaves Pittsburg Tuesday, April 7, at 9:55 P. M. Full particulars from

BAXTER, THOMPSON & CO.,
ap3-66 162 Fourth ave.

T. W. HAUS,
Designer and contractor in all kinds of GRANITE.
Cemetery vaults, statuary and large monuments a specialty. Call or write for designs and prices before contracting. Office, room 613, Penn building, Penn av., Pittsburg. jal1-93-su

WANTED—ONE MAN IN EVERY country town, to sell Cliner portable foot warmers on commission: I will ship one dozen or more to any responsible man and take my pay when they are sold; no more cold feet. H. H. HAYES, 2636 Penn ave. jal1-92-su

N. P. HYNDMAN, AGENT
Carbon Iron and Pipe Company's
CAST IRON PIPE
For gas and water. No. 95 Fifth av., Pittsburg, Pa. Telephone 329. ap3-1

N. P. HYNDMAN, AGENT
Hazard Manufacturing Company's
WIRE ROPE.
No. 95 Fifth av., Pittsburg, Pa.
Telephone 329. ap3-1

TRAVEL TO EUROPE WILL BE UNUSUALLY heavy this season, and accommodations should be secured early. We represent the most popular steamship lines, sell drafts, foreign coin, etc. MAX SCHAMBERG & CO., 527 Smithfield st., Pittsburg, Pa. Established 1866. fell-wsu

Display advertisements one dollar per square for one insertion. Classified advertisements on this page, such as Wanted, For Sale, To Let, etc., ten cents per line for each insertion, and none taken for less than thirty cents. Top line being displayed counts as two.

THE PITTSBURG DISPATCH
BUSINESS OFFICE,
Cor. Smithfield and Diamond Streets,
ALWAYS OPEN.

BRANCH OFFICES AS FOLLOWS, WHERE WANT, FOR SALE, TO LET, AND OTHER TRANSIENT ADVERTISEMENTS WILL BE RECEIVED UP TO 9 P. M. FOR INSERTION.

Advertisements should be prepaid unless advertisers already have accounts with THE DISPATCH.

FOR THE SOUTHSIDE, NO. 1412 CARSON STREET, TELEPHONE NO. 6022.

FOR THE EAST END, J. W. WALLACE, 6121 PENN AVE.

PITTSBURG—ADDITIONAL.
THOMAS McCAFFREY, 5329 Butler street.
EMIL G. STUCKEY, 24th street and Penn ave.

ALLEGHANY.
A. J. KAERCHER, 59 Federal street.
H. J. McBRIDE, Market House, Allegheny.
F. H. EGGERS & SON, Ohio and Chestnut sts.
THOMAS McHENRY, Western and Irwin aves.
G. W. HUGHES, Pennsylvania and Beaver aves.
PERRY M. GLEIM, Rebecca and Allegheny aves.

WANTED.

Male Help.

A CHANCE IN A LIFETIME FOR MEN with capital and active men without capital to secure a very pleasant and profitable business; no drones or curiosity seekers need apply. Address with 2-cent stamp, CONSOLIDATED ADJUSTABLE SHOESTORE, 42 Arcade Building, Cleveland, O. mh29-61-WFSu

A NO. 1 WAREHOUSEMAN AND PACKER—Must come well recommended. W. A. HOEVELER'S STORAGE WAREHOUSES, Thirteenth and Pike sts. ap5-96

BAKER—FIRST-CLASS BREAD AND cake baker. ROBERT MORROW, Eleventh ward, Woodland av. ap5-25

BOILERMAKERS AND TANK BUILDERS—First-class men for work in Philadelphia. For particulars applicants can meet J. G. MITCHELL, Seventh Avenue Hotel, Pittsburg, any time Saturday or Monday, April 4 and 6. ap2-65

BOY TO WORK AROUND A STABLE AND make himself generally useful. Apply to DR. R. JENNINGS' Veterinary Infirmary, 215 First avenue. ap5-124

DRAUGHTSMAN—GOOD IN DETAILS AND perspective. Inquire S. W. FOULK, New Castle, Pa. ap4-43

DRUG CLERK—EXPERIENCED QUALIFIED assistant. PHENACETINE, Dispatch office. ap5-97

FIRST-CLASS SALESMAN—WHO IS TRAVELING in Western Pennsylvania, and who is offering goods to the first-class retail dry goods and general store trade, to sell our line of dress goods, cassimeres, domets, cottonades and alestas, on a commission. Will make a first-class side line. Address WOOLEN MANUFACTURER, P. O. Box 1532, Philadelphia, Pa. ap5-40

GENTLEMAN—AN HONEST, ENERGETIC, enterprising gentleman, to buy a half interest in a first-class legitimate business in Pittsburg for $12,500; those who mean business only and desire a good opportunity may address, with reference, for statement and particulars of same, GENTLEMAN, Dispatch office. ap5-83

MAN—AN ACTIVE, ENERGETIC MAN TO manage an office; must have good reference and from $500 to $800 cash; salary $100 per month and interest in the business. Address BOX 681, St. Louis, Mo. ap5-100

MEN—THE ADDRESS OF EVERY GRAND Army man who considers his services worth $30 to $50 weekly. Those earning less or any G. A. R. man unemployed, please address R. GRAUFIELD, 3 East Fourteenth st., New York City. mh29-137-29, 31, ap2, 4, 5

MEN—FOUR MEN TO SELL SOAP ON COMMISSION. Apply at J. O'NEILL, Weldon House, Latrobe, Pa. ap5-16

PAINTERS—TWO YOUNG MEN WITH SOME experience in advertising sign painting. Call before 9 o'clock Monday at 49 ELEVENTH ST. ap5-32

PAPER CUTTER—A FIRST-CLASS SECOND hand paper cutter; state size, kind and cash price. Address MC, No. 49 Washington st., Allegheny.

PLUMBERS—TWO PRACTICAL PLUMBERS. Inquire LAMBERT BROS., 502 Liberty st., Pittsburg, between 7 and 8 o'clock Monday morning. ap5-54

SALESMEN—ON SALARY OR COMMISSION to handle the New Patent Chemical Ink Erasing Pencil; the greatest selling novelty ever produced; erases ink thoroughly in two seconds; no abrasion of paper; 200 to 400 per cent profit; one agent's sales amounted to $720 in six days; another $32 in two hours; we want one energetic general agent for each State and Territory; sample by mail 25 cents. For terms and full particulars, address THE MONROE ERASER MFG. CO., LaCrosse, Wis. ap4-10

SALESMAN—AN EXPERIENCED SALESMAN as assistant in gents' furnishing department; also a young man of good address as assistant floor walker; also a good packer, who knows how to pack glassware and house furnishing goods. FLEISHMAN & CO., 504, 506 and 508 Market st. ap5-84

SALESMAN FOR LINE OF CIGARS—$75 PER month and expenses. Address, with stamp, SUMATRA CIGAR COMPANY, Chicago, Ill. ap5-149

SALESMAN—EXPERIENCED SHOE SALESMAN at LAIRD'S WOOD ST. RETAIL STORE. ap5-138

STENOGRAPHER—IN A MANUFACTURING office; competent male stenographer and typewriter, with references; Porter's system preferred; state age, experience and salary expected. Address N., Dispatch office. ap5-82

SUPERINTENDENT—BRUSH FACTORY, first-class man thoroughly competent to superintend large factory with all modern improvements for the manufacture of good grade drawn work. Address, stating experience, full particulars, R. W. McCLAUGHEY, Gen'l Sup't, Penna. Reformatory, Huntingdon, Pa. ap5-99

TOOL-MAKER—TWO HAND TOOL-MAKER to work on punches and dies and some machine tools; in answering state age, experience and wages wanted. METRIC METAL CO., Beaver Falls, Pa. ap5-74

TWO CARRIAGE AND WAGON PAINTERS, two blacksmiths and two helpers; none but good men need apply; good wages and steady work to same. A. M. KRUT, 3402 Penn st. ap4-97

Agents.

AGENTS—TO SELL AND EVERYBODY TO use Dr. O'Keefe's 25 cent pills; good as gold; Dr. O'Keefe's liver pills, cold or catarrh pills, cough pills, diarrhœa pills, dyspepsia pills, rheumatism pills, headache pills, skin eruption pills, worm pills, kidney pills, leucorrhœa pills, backache pills, nursing pills, asthma pills, croup pills, sore throat pills, nerve pills, nervous debility pills, whooping cough pills, non-cathartic pills, malaria pills, piles pills; price, 25 cents; large bottles, 25 cents. DR. O'KEEFE & CO., Homœopathic Druggists, 708 Smithfield st., Pittsburg, Pa. mh30-52

AGENTS—TO SELL THE NEWEST AND best subscription books upon the market; the most recent additions to our list are "The Steam Engine," by Daniel Kinnear Clark, Hon. Member Am. Society Mech. Engineers; "The Family Physician," by J. McGregor-Robinson, of Glasgow University; "Irish Literature" and Davenport's "Condensations" of the best literature of all languages and ages. P. J. FLEMING & CO., 77 Diamond st. mh15-TuWThFSu

AGENTS—RAND, McNALLY & CO.'S INDEXED Atlas of the World. New population figures: latest changes; over 200 pages; 14x8 11½; popular price $3 75; liberal terms; exclusive territory; sample map sent if requested. RAND, McNALLY & CO., 223 Broadway, New York City. ap5-102

AGENTS—$5 TO $10 PER DAY COLLECTING small pictures for us to copy and enlarge; satisfaction guaranteed and a $1 outfit free. A DUNNE & CO., 86 Reade st., New York. mh22-18-WSu

AGENTS—NO BROKEN CIGARS; DERBY cigar rack holds cigars; fits any hat; sells at sight; sample 10c, three for 25c, dozen 60c by mail. STENER & CO., Providence, R. I. ap5-129

Female Help.

CAPABLE WOMAN—FOR GENERAL HOUSEWORK in family of four; reference required. 277 WESTERN AV., Allegheny. ap2-8-Thssu

LADY—TO TRAVEL ON BUSINESS—ONE accustomed to sell goods preferred; liberal pay if successful; application by letter not considered; 9 to 12 Monday. H. WEEDON, 5 Seventh avenue. ap5-6

MILLINER—ONLY A FIRST-CLASS, EXPERIENCED milliner; no other need answer; a steady position the year round. Answer to F. X., Dispatch office. ap5-18

NURSE—GOOD WAGES TO ONE WANTING a permanent position. Apply at once, AT HOUSE, corner of Forbes st. and Morewood av., Shadyside; (take Fifth av. cars to Morewood av.) ap5-58

TAILORESS—FIRST-CLASS FOR CUSTOM coats. Address T. T., Dispatch office. ap5-108

Partners.

CAPITAL—AN ELECTRICAL ENGINEER with inventions revolutionizing the art of electric lighting, wants capital to start a company to exploit the same. For full particulars address R. M., Dispatch office. ap5-131

GENTLEMAN—WITH CAPITAL TO TAKE interest in good paying manufacturing business; profits large; money used to increase business. Address MANUFACTURER, Dispatch office. ap5-20

PARTNER—WITH $3,000 AND GOOD REFERENCES to take half interest in excellent paying and well-established livery, boarding and sale stable in good location; must take charge of office, keep the accounts and attend to money matters. Address LIVERY, Dispatch office. ap5-103

PARTNER—WITH $5,000 TO ENGAGE IN A manufacturing enterprise, protected by patents; profits large and business clean; selling only to the jobbing trade in large quantities; the opportunity of a life to the right party. Address W. S. P., Dispatch office. ap5-127

PARTNER—WITH $5,000 TO $10,000 TO EXTEND a manufacturing business; large profits; no risk. Address MONOPOLY, Box 687, Pittsburg, Pa. ap5-137

Situations.

COPYING—BY A YOUNG LADY TO DO, AT home or at an office. Address S, Dispatch office. ap5-115

POSITION OF TRUST—AM FAMILIAR WITH commercial law and estates, collecting rents, and will devote my entire time to the position, home or abroad; can give bond for any amount. Address BUSINESS, care Monongahela House, city. ap5-122

POSITION AS HOUSEKEEPER—BY A REFINED and competent lady in a hotel or private family where there are other servants. Address K., Dispatch office. ap5-110

POSITION—IN PRIVATE FAMILY AS laundress and chambermaid, by experienced girl; reference given. Address TRUST, Dispatch office. ap5-23

POSITION—BY A PRACTICAL PHARMACIST, now acting as manager. Address PHARMACIST, Dispatch office. ap5-101

SITUATION—AS CUTTER, IN A TOWN OF 5,000 to 15,000 inhabitants. Young married man, industrious and sober. A practical tailor of 15 years' experience. Address TAILOR, Dispatch office. ap5-42

SITUATION AS NURSERY GOVERNESS OR companion to elderly lady by a well-educated young woman; can teach German. Address V. G., Dispatch office. ap5-31

SITUATION AS A COOK BY A YOUNG MAN; one who has learned trade thoroughly in Germany. Address J. S., German Library Assn., Wood st., city. ap5-29

SITUATION—BY YOUNG MAN; EXPERIENCED bookkeeper; recommendation and bond given. Address J. KUNS, 1119 Liberty st., city. ap5-7

SITUATION—BY YOUNG MAN; COMPOSITOR; book or job. Address JOB, Dispatch office. ap5-70

Real Estate.

HOUSE—A SMALL FAMILY OF 2 ADULTS desire to rent a house, with small lot of ground attached, on line of P., Ft. W. & C. Ry., or West Penna. R. R., for the summer; furnished house preferred. Address, stating terms, P. O. BOX 233, Pittsburg, Pa. mh31-75

Boarders and Lodgers.

LODGERS—FOR LARGE SECOND STORY front room, with dressing room adjoining, both gases, nicely furnished; location in the most desirable portion of Fifth av.; six minutes to postoffice by cable cars; rent reasonable. A, Dispatch office. ap5-65

OCCUPANTS FOR LARGE AND HANDSOME front room, with alcove; furnished or unfurnished; bath and both gases, two minutes from cables and Penn R. R.; one close to Carnegie opposite; also large middle room; fine location. 230 EMERSON ST., between Shady av. and South Hiland, East Liberty. ap5-71

OCCUPANTS—FOR LARGE FRONT ROOMS, newly and elegantly furnished, on Sandusky st. near Stockton av., Allegheny. Address O. C., Dispatch office. ap5-109

OCCUPANTS—FOR ONE WELL-FURNISHED front room, with board. COR. S. HIGHLAND AND WALNUT STS., East End. ap5-37

Rooms.

ROOMS—BY MAY 1, TWO OR THREE rooms, furnished or partly furnished, in Oakland, East End or Allegheny, with or without board. Address C. M., Dispatch office. ap5-116

ROOM—BY GENTLEMAN IN PRIVATE family, Lawrenceville preferred. Address D., Dispatch office. ap5-107

ROOM—ONE THIRD-STORY FRONT ROOM, furnished; stationary washstand. 432 PENN AVENUE. ap4-73

TO RENT—UNTIL FALL A NICELY FURNISHED house of seven or eight rooms in East End or Allegheny; must be in good location and have a yard. Address, stating terms, etc., W. R., Dispatch office. ap5-49

Financial.

MONEY—OUR FACILITIES FOR FURNISHING money to any amount on bond and mortgage are unequaled; lowest rates of interest and no delay. If you need money apply MORRIS & FLEMING, 105 Fourth ave. jy27-86-TTSsu

MORTGAGES—MONEY TO LOAN IN SUMS to suit at 4½, 5 and 6 per cent. ALLES & SAILEY, 164 Fourth ave. Tel. 167. ap14-19-TTSsu

TO LOAN MONEY—WE HAVE OVER ONE million dollars to loan on city and suburban property at 4½ per cent; no tax; we will also loan money on improved farms in Allegheny, Beaver, Fayette, Washington and Westmoreland counties; any marketable security taken for loans of any amount. BLACK & BAIRD, 95 Fourth ave. je3-49-su

TRUST FUNDS—TO LOAN ON REAL estate. WISE & MINOR, Attorneys, 91 Diamond st. ap5-82

Miscellaneous.

BUYERS—1 CENT A BOLT FOR WALL PAPER; better grades, 2, 2½, 3 cents; gold paper, 3½ cents; extra gold 5 cents; embossed gold 6 cents; gold border 1 cent a yard; samples mailed free. REED, Wall Paper Jobber, Rochester, Pa. ap5-57

EVERYBODY TO KNOW THE SCHOOL OF Design and Dress Cutting will remove to No. 951 PENN AV., April 1, from 619 PENN AV. mh28-57

FOUNDLING BABY—NOT OVER 2 YEARS OF age. Apply at HARRY DAVIS' FIFTH AVENUE MUSEUM any day between the hours of 10 A. M. and 10 P. M. ap4-54

LADIES AND GENTLEMEN FOR PRIVATE shorthand class; two evening lessons weekly; best system; terms very cheap; class begins April 20. For particulars address BOX 869, Pittsburg. ap5-33

PITTSBURG CLEAN TOWEL CO. REMOVED to 8 WYLIE AV. ap2-54

YOU—GET A BAKER'S DOZEN (13) OF Stewart & Co.'s fine cabinet photos for $1, at 90 and 92 FEDERAL ST., Allegheny. my25-49-TTSu

FOR SALE—IMPROVED REAL ESTATE.

City Residences.

HOUSE—BLUFF ST., NEAR COLLEGE, FOR sale or to let—new brick house eight rooms, bathroom; all late improvements. ROBT. COWARD, 20 Bluff st., near College. mh26-9

East End Residences.

NEGLEY AV., BAUM GROVE PLAN—NEW two-story brick, Queen Anne, 14 rooms, three stationary washstands, bath, hot and cold water, slate mantels with cabinets, sliding doors between all rooms on first floor, china closets and pantries; a complete home; immediate possession. BAXTER, THOMPSON & CO., 162 Fourth av. ap5-79-TTSsu

OAKLAND—$6,600—A NEW TWO-STORY and mansard brick dwelling of nine rooms, hall, vestibule, bath, inside w. c. and w. s., slate mantels and tile hearths, inside shutters, sliding doors between parlors and dining room; front and rear porches; lot 24x125; complete sewerage. For particulars see J. E. GLASS, 138 Fifth av. ap5-68*

$2,200—AT EMSWORTH, P., FT. W. & C. R. R., new frame house six rooms, hall, attic, slate mantels, both gases; yard size with best of young fruit trees; lot 60x130 ft.; easy terms. (S. P. 20). A. Z. BYERS & CO., 93 Federal st., Allegheny. ap5-25-TuSu*

$5,000—GOOD BRICK HOUSE, 8 ROOMS, near park. HOLMES & CO., 420 Smithfield. ap4-67

Hazelwood Residences.

HAZELWOOD—$5,500—10 ROOMS AND RECEPTION hall; Queen Anne frame; one square above Second av.; lovely location, overlooking all Hazelwood, Monongahela river and miles of river hill scenery; lot 50x110; h. and c. water, stationary stand