WATER FROM DRIVEN WELLS

ONE RESULT OF THE RECENT INTRODUCTION OF WATER METERS.

Curious Facts Relative to the Estimates on which the Rates were Based—About One-Half of the Supply Wasted when Not Sold by Measure—Where the Wells are Used.

As long ago as 1871 the city adopted a water meter, and left its application to the discretion of the Croton Water Department. While it was conceded to be a good thing, and likely to be in the future a necessity, there was a marked public prejudice against that seeming restriction of a necessary element of life which everybody had learned to waste, and, up to 1879, there were in use only two or three hundred water meters in New York. Those were in factories, sugar houses, and other establishments using large quantities of water. The long-prevailing drought in 1875 and 1876 caused their much more general introduction. At that time every effort was made by personal appeals, official circulars, and newspaper warnings to induce people to economize in the use of water, but without any effect. It was shown that one-half, and perhaps two-thirds, of all the supply brought to the city by the Croton Aqueduct was wasted. As a last resort the introduction of water meters was determined upon, and within a few months past over a thousand have been added to those previously in use.

The law prescribes that the water meters shall not be placed in dwellings, but provides for their use in stores, workshops, manufactories, public buildings, stables, and at wharves and ferry slips; and, short as the time of their use has been, they have shown that the estimates on which water taxes are based were far below the reality. The system of applying water rates without the meters has been exceedingly loose, even when the best endeavor was made to achieve justice, and the only points of uniformity that could be relied upon were that the city was a loser and the consumer was dissatisfied.

The old scale of water rents, which was fixed in 1849, has been maintained since. It defines as closely as possible what shall be paid, in accordance with the size of the building, from $2 annually for a dwelling 25 feet wide and one story high, up to $18 for one five stories high and with 50 feet of frontage, and for each family above the first an extra dollar is added. These arbitrary rents are based upon a sliding scale of prices proportioned to quantity used, which runs from 2 cents per 100 gallons to the consumer of 6,000 gallons or more per diem, up to 5 cents per 100 gallons to the consumer of 200 gallons or less per diem. But where there is no actual measurement the quantity consumed must be left to guess work. In hotels, after a certain graduated charge on the steam engine, every guest room pays $1.50 per annum, every water closet or urinal $2, every bath $3, the bar $10, the bar box $5, and a 4-inch pipe for use in case of possible fires, $50 a year. On that basis the Fifth Avenue Hotel paid $2,600 to $2,700 per annum, the Windsor between $1,800 and $2,000, and the Grand Central $1,200. But a few months of meter service demonstrated that the city had all along been getting far less than its due, and if the old water rate is to be maintained, even the lowest one, of two cents per 100 gallons, the hotels will have to pay two or three times as much as heretofore. Restaurants pay $20 per annum, on estimate, for each one hundred people who dine daily in them. But that also is found to have been largely below the mark. The charges on livery stables have been $1.50 per annum on each livery horse and $1 on each work horse. Stage and car horses are classified as "work." Private stables are charged much more, carriage horses being charged for at the rate of $3 each for the first pair and $2 for each additional one. No more wasteful practices have been followed anywhere than in stables. Careless employees leave water running for hours, when it is not wanted, and use hose for washing carriages, though warned that it is against the law. The meters show no actual consumption—by use and wastage—of two or three times what has been paid for in such places.

In the large breweries the difference between the amount paid for by estimate and that which will have to be paid by actual measurement is very marked. It has been the practice to estimate that 100 gallons of water were used in making each barrel of beer or ale, for which two cents were paid, but the metres show that the consumption is about 300 gallons of water for each barrel of malt liquor produced. There is an enormous loss in washing barrels and kegs, cleansing premises and cooling the liquor as it comes warm from the kettles. George Ehret, before a meter was put in, paid $2,820 per annum, in addition to $120 for his horses and $120 on his buildings, or $3,060 in all. Jacob Ruppert paid $2,900 for the brewery use of water and Geo. Ringler $1,400. When it is considered that three times as much will now be charged if the same consumption as heretofore goes on, it will be seen that an enormous difference in the revenue the introduction of the meters would make, if consumers were wholly dependent upon Croton water for their supply. Fortunately for them, however, a great resource has been found in the tube or driven wells which are now largely coming into vogue. The patentees of those wells assure the large consumer—or even a moderate one—has heretofore paid in water rent for a single year, to give him an equal supply from the earth for all time. The Water Department looks favorably upon these wells. Mr. Chambers, the Water Register, says that the object in metered water has been, not to increase the revenues of the city from the sale of water, but to enforce such economy as will insure an ample supply, and the increase of rents, through accurate measurement, will prevent any falling off in the total collections, even though driven wells be put in general use by large consumers—and this without contemplating any increase in the present rates.

At a depth of from thirty to eighty feet, in almost all parts of Manhattan Island, an unlimited supply is procurable of water clear as crystal, much of which is purer than either the Cochituate of Boston, the Ridgewood of Brooklyn, the Lake Michigan of Chicago, or the Croton of New York. A thick bed of tough clay, from fifteen to forty feet in depth, shuts off the surface water and drainage from the beds of sand and gravel beneath, through which the water filters. This well water is of a uniform temperature, from twenty to thirty degrees below Croton water, a consideration that renders it valuable for the use of brewers, who make it take the place of ice. That it is in many instances remarkably pure is indicated by the fact that it is employed, by preference over both Croton and Ridgewood water, in establishments where a chemically pure water is most required. It is used in the chemical works of Dodge & Olcott and Lozier, Marsh & Gardner of this city, Hochstatter of Harlem, and C. F. White & Co. of Williamsburgh. The driven well at the latter establishment was put down through a salt marsh, where no other kind of well would have been possible, and the water it yields is fresh, soft and of unexcelled purity. Messrs. Wm. D. Andrews & Bro. are joint proprietors of the patent for the American tube or driven wells. Their office at 235 Broadway contains a great number of samples of the water obtained through their wells on Manhattan Island, and a more striking contrast can hardly be imagined than that between this fluid, clear as crystal, and the common Croton, which seems positively brown by comparison. And the expectations one forms from its apparent purity are fully realized by its taste.

George H. Andrews, a member of the firm, says: "There are over a million driven wells in the United States. In New York and Brooklyn there are over two thousand in leading hotels, factories, breweries, marble-cutting establishments, stables, etc., all of which are reported to us as giving satisfaction. Some idea of their actual value to their owners may be gained from the testimony recently given in court by the President of the New York Gas Light Company, that his corporation was saving $8,000 per annum by the use of the driven well; that he believed $10,000 to $12,000 would be within the mark, but as he wished to keep far within bounds he would say $8,000. Hecker & Brother save from $4,000 to $5,000 by its use in their large flouring mills. Smith's ale brewery gets 60,000 gallons per diem from driven wells; D. Jones's two breweries, 50,000 gallons; F. G. & J. N. Van Fleet, maisters, of Newark, 75,000; Williamsburgh Brewing Company, 30,000; Rubsam & Horrmann, 35,000; N. Leitz & Sons, 20,000; Otto Huber, 20,000; George Bechtel, 20,000; Gluck & Schurmann, 12,000; Myer & Bachman, 15,000—and all these amounts are obtained in only ten hours' pumping. Some time since it was found necessary to increase and improve the water supply of Newark. Something less than one hundred of these driven wells were put down within an area of four acres, and from them 2,700,000 gallons of water per diem have during the past six months been poured into the reservoirs. This water is obtained at a temperature of 53 degrees, is soft and clear as a diamond. The Newark Aqueduct Board on the evening of Dec. 26 adopted a resolution setting forth that upon the most careful analysis this water was found to be of excellent quality and had been of great advantage in improving the city's supply; that 250,000,000 gallons had been furnished by these wells in four months of dry weather without material diminution of the resources; that it was "indispensable to adopt some plan to avoid the dangers arising from the continued use of river water, and also to save the enormous cost of the works necessary to procure a supply from a distant source;" and finally, that it was "expedient and desirable to make arrangements to continue the driven well system on a larger scale," with a view to bringing it into full operation before next summer. All that has been achieved in Newark is practicable in New York, and in the inexhaustible supply in the depths of the earth beneath our city lies the easiest solution of the problem so frequently recurring of late years, how to make the water supply here adequate to the increasing demands. The average cost of sinking a two-inch tube well on Manhattan Island is about $300. That would yield, if required, six to eight thousand gallons of water in twenty-four hours. For a supply of Croton to that amount, by meter, the consumer would have to pay $360 to $450 per annum."

ON THE UP-TOWN ROADS.

Some Exciting Impromptu Trials of Speed Between Well-known Roadsters.

Bright skies and roads in fair condition brought out many vehicles, drawn by brisk spans and single steppers, on the up-town drives, yesterday. There were several brushes between well-known roadsters, that made sport for the throngs of pleasure seekers.

Henry Leech trotted his team, Rose Medium and White Water Belle, against Edward Kearney's Chauncey M. Beedle. At the start the latter rushed to the front, the team on his wheel under a strong pull. There was a close race for the next half mile. Near the three-quarter the span collared the single. A close race followed, and the team won by a nose, amid applause.

Another brush was between C. E. Lafitte's brown gelding Woodlawn and Mr. Barnes's bay mare, with a record of 2:26; a dash of a mile down Sixth avenue to road wagons. Woodlawn took the lead and trotted three lengths away from the mare, and made it three lengths at the three quarters, and won the race by two lengths.

Gen. Ney's bay horse Garry Owen, driven by James Lambert, and Mr. Munson's bay gelding Surprise had an exciting brush. They went away even, but Garry Owen soon took the lead, and held his advantage to the end, outtrotting Surprise by a length.

Isaac Copo issued a bold challenge by offering to match his horse Stewart Maloney against any horse, mare, or gelding that could be led to halter for $500 a side, mile heats, to road wagons or sleighs.

Jacob Fountain of this city has sold to John Rumsey, a banker in Ithaca, the black gelding Gloster. This horse has trotted three quarters in 33 seconds and can beat 2:20. The price is not made public.

Edward Fry of this city has sold the trotting colt Bay Dick, from the West, with no record, for $3,000 to Henry Dunham.

HOSPITAL SURGEONS' WAYS.

A Suffering Woman Lies for Hours in a Bar room Waiting for an Ambulance.

Mary Flanagan undertook to rekindle the fire in Mrs. O'Connell's store at 21 Pell street, about 7 P. M. on Friday, by saturating the wood and other fuel with kerosene oil. There was a coal left alive from the old fire, and the oil, on coming in contact with it, blazed up in a great flame, setting the woman's dress on fire. Mrs. O'Connell went to her rescue, but succeeded only in getting herself badly burned, and before the flames were extinguished by the neighbors, drawn by their outcries, the two women were perhaps fatally injured. For some reason they were conveyed to a barroom in the adjoining building, where they waited in the back room until the ambulance, which had been telegraphed for, could arrive and take them to one of the several hospitals. The ambulance from Chambers street, having less distance to come, was first in the field; that from St. Vincent's Hospital came next, and the ambulance from Bellevue came third. Although thus last, the youthful surgeons accompanying the ambulance, in accordance with some rule of hospital etiquette, decided that the Bellevue ambulance should take the suffering women, notwithstanding that the hospital was the most remote, while the need of attendance to both patients was immediate. Accordingly the other two ambulances drove off empty, while the Bellevue ambulance had Mrs. O'Connell for its single passenger, Mary Flanagan being still left uncared for. With only the oil poured upon them by the Chambers street surgeon as dressing for her painful wounds, the she lay for the next three hours. Telegram after telegram was sent to Bellevue Hospital for another ambulance, but it was long after 10 o'clock when one arrived.

NOTES OF REVIVING TRADE.

All the American mills are full of orders for rails.

A vessel carried to London lately 16,000 cases of canned salmon.

Over one thousand cheese factories are operated in the State of New York.

Seven machines in Pittsburgh produced last year 1,063,345 kegs of nails.

There is a tea plantation in Georgetown, S. C., which is paying its owner a profit.

The production of anthracite coal this year will reach 25,000,000 tons—more than ever before.

Cotton factories are rapidly going up in Texas, in order to utilize her superabundant cotton crop.

Milwaukee made 752,000 barrels of flour last year, being an increase of 260,000 barrels over 1878.

The carriage factories at Wilkesbarre, Pa., are working night and day with double sets of hands.

A larger number of men than ever before employed are hurrying orders at the Pennsylvania File Works.

Since March last one of the Lewistown, Pa., mills has made 90,000 pounds of wool into yarn and stockings.

The lead mines of Chester County, Pa., that have been idle for twenty years, are soon to be put in operation.

The fifteen car manufacturing establishments of the United States turned out last year 37,350 pieces of rolling stock.

There are more men now employed at the Remington armory at Ilion, N. Y., than at any time in the past five years.

The hog crop is excessive. A single packing house in Cedar Rapids, Iowa, cut up 200 car loads of pork in a single week.

The cotton factories of Atlanta, Ga., have more orders than they can fill. They are paying dividends of twenty-eight per cent.

One hundred thousand needles are stamped and bored in a day of ten hours by a new machine just perfected in Westphalia, Conn.

Fever-stricken Memphis is happy at its business revival. Its cotton receipts were 10,112 bales in one day recently, the largest ever known.

The American demand for British iron has diminished recently. One year ago 251 furnaces in America were in operation; now 337 are running.

For the first time in many months the Pennsylvania and Reading Railroad Company are paying their employees in cash, instead of scrip.

St Louis's zinc interests are advancing, and the demands for the metal are greater than the capacity of the mills, which are running night and day.

Over 1,500 persons are employed in chair making in the town of Gardner, Mass., yielding over $2,000,000 worth of stock annually. They required sixty-five new houses last year.

The second highest bridge in the country is about being built across the Mississippi at Minneapolis. It will be 1,150 feet long, with two spans of 225 feet each, the whole to cost $300,000.

Over 30,000 men in the Lehigh Valley are employed at the furnaces, of which there are 54, with an annual capacity of 600,000 tons. The furnaces produce one-fifth of the pig iron made in the United States, and consume 1,400,000 tons of iron ore annually.

Reading employs over 1,500 persons in hat making, who turn out 1,000 dozen hats daily. To produce the felt there over 2,000,000 pounds of scoured wool are required, most of which is grown in Texas and California. All the manufactories are running on full time.

The United States is making more than one-third of all the paper in the world. The product is about 1,800 tons daily, or 610,500 tons a year. There are 927 mills, representing a capital of $100,000,000, employing 22,000 persons, who receive in salaries about $9,500,000.

The agricultural prosperity of 1879 is wonderful. The cotton crop is larger by half a million bales than ever before; the tobacco crop is 12,000,000 pounds greater, and the sugar crop exceeds by some 200,000 hogsheads all previous yields. The excess of products over the crops of any previous year is 20,000,000 bushels of wheat and from 80,000,000 to 100,000,000 bushels of corn.

Wanted---Females.

A.—EXPERIENCED in and out-door hands on ladies' underguarments; advanced prices. S. DANNENBERG & SON, 40 Walker st.

ALPACA Coats.—Operators and hasters; good prices; work given out; call all week. 985 8th av.

A WOMAN to wash and starch by the day. Laundry, 42 West 15th st., basement bell.

A.—HANDS wanted to make colored shirts in lots, at AMAND PLAUT'S, 18 Mercer st.

A FEW good buttonhole makers on white vests wanted. 310 West 24th st.

BOOKS.—10 good pasters and gatherers wanted; steady work summer and winter at good prices; pay every Saturday. J. H. FOOTE, 118 and 120 Duane st.

BASTERS and operators on W. & W. on white vests; none but experienced hands need apply. 196 Bleecker st. MME. WEISS.

BASTERS, operators and buttonhole makers on white vests; work given out; call all the week. 205 West 40th st.

BROWNING, KING & CO. want operators, hasters, etc., and finishers on men's and boys' clothing and white vests at their factory, 541 West 23d st.

BROWNING, KING & CO. want operators on white vests; steady work. Factory, 541 West 23d st.

BROWNING, KING & CO. want finishers on pants, at home or at factory. 541 West 23d st.

BOOKFOLDERS wanted. S. W. GREEN'S SON, 74 Beekman st.

BOOK SEWERS wanted at W. WATERS & SON'S, 101 Fulton st.

BASTER on fine cassimere vests at 312 East 33d st., ground floor.

CALICO SHIRT ironers; also, learners wanted at BROWN'S, 134 West 41st st.

CASH GIRL wanted; one who understands making change. 102 Chatham st.

CORSETS.—Wanted, experienced stitchers. 218 West 4th street.

EXPERIENCED operator on ladies' underguarments; W. and W. machines; steady work; steam power, and good pay. SIEGEL BROS., 163 and 165 South 5th av.

EXPERIENCED operators on fine white vests; prices 12½ to 15 cents; those accustomed to white work of any kind taken. 10 Clinton place, entrance on Mercer st.

EXPERIENCED pressers on collarettes; good wages and steady work. E. S. LEVI & BRO., 14 and 16 White st.

EXPERIENCED pressers on lace goods; also first-class operators wanted, at FRIEND & BAYER'S, 358 Canal st.

EXPERIENCED operators on W. & G. machines on infants' lace caps. C. S. COHEN, 260 Canal st.

EXPERIENCED operators, finishers, ironers, and hasters on fine shop pants. 11 Montgomery st.

FIRST-CLASS inside and outside operators on ladies' underwear. ISAAC HIRSCH & SON, 551 Canal st.

FREE Sewing Machine School, open daily from 9 to 5, at Girls' Lodging House, 27 St. Mark's place, 8th st.

FIRST-CLASS buttonhole makers and finishers on fine coats. SMITH, 70 East Broadway, top floor.

FEMALE COMPOSITORS. HENRY M. TOBITT, 90 Ann st.

FINISHERS and hasters on business coats. 31 Bleecker st.

GIRLS taught any sewing machine for 50c.; at the sewing machine school of the Brooklyn Children's Aid Society, 61 Poplar st., between Hicks and Henry sts., near Fulton st. Hours 9 A. M. to 5 P. M.

GOOD operators and hasters on fine vests; the best prices paid in the city by E. ZELLER, 206 Forsyth st., rear.

GIRLS to learn bookfolding; paid while learning; can make $1 a day after ten days. E. E. TOMLINSON, 23 Vandewater st.

GIRLS to make banners; those that can operate and use a palm. Apply all the week. EDWIN R. BERTINE, 149 Fulton st.

GOOD tailoresses on good custom pants; none but good and steady hands. 414 Pearl st., corner New Chambers st.

GIRL to assist with kitchen work, small boarding house; good wages, suitable person. 202 East 42d st.

GOOD girls wanted to operate on men's shoe and gaiter uppers. 113 Allen st., cor. Delancey, 2d floor.

GIRLS to iron white lawn ties; also learners; steady work. FRENCH & CO., 5 Lispenard st.

GIRLS wanted. J. R. SUTTON, 27 Fulton st.

GOOD HANDS on gents' bows; good payment. 25 Walker st.

GOOD operators and finisher on shop coats; steady work. 115 Baxter st., near Canal, rear house.

GOOD finishers, hasters, and operators on shop coats; steady work all the year. 21 East Broadway.

GOOD coat finishers; steady work and good pay. Call three days at 48 Essex st., third floor.

GOOD alpaca coat hands; work given out; call all week. 105 Bleecker st., 2d floor.

GOOD finishers and operators on fine shop coats; good pay. 171 Broome st., 2d floor, rear.

GIRL WANTED.—81 Nassau st., room 14.

HANDS on linen coats, pants, and vests, buttonhole makers; steady work. 203 19th st., South Brooklyn. Mrs. SUTHERLAND.

HANDS on gentlemen's scarfs and Chancellors wanted; only very experienced ones need apply. 484 Broadway.

HANDS wanted to trim infants' lace caps; also Normandies. E. PLASS, 538 5th st.

HANDS on wrappers; also operators; Wheeler & Wilson machine; work in and out. 7 Orchard st.

LACE CAPS.—Wanted, experienced operators on W. & G. machine, to make lace crowns; hands making samples will receive steady work and good wages. No. 231 Church st., 2d floor.

LACE CAP TRIMMERS wanted; hands making samples will receive steady work and good wages. No. 231 Church st., second floor.

M. J. RYAN & CO. want ten girls to learn to sew base balls by hand; paid while learning; also six boys to make balls. 87 Warren st.

NECKTIES.—Wanted, experienced hands on gents' scarfs; work given out; also operators. SOLOMON BROS., 71 Leonard st.

OPERATORS on gents' scarfs; also few small girls and hands to fold lawn ties. SOLOMON BROS., 71 Leonard st.

OPERATORS on lace goods and stitches; only experienced hands wanted. E. S. LEVI & BRO., 14 and 16 White st.

OPERATORS, hasters on white vests, first-class buttonhole makers, pressers, also a boat sewer to make eyelets. 169 Bowery.

OPERATORS on W. & W. machine and hasters on white vests; 12c. for stitching and 14c. for basting. No. 215 East 6th st.

OPERATORS on linen and alpaca coats; call all week; work given out. 163 Ellery st., near Tompkins av., Brooklyn.

OPERATORS on Willcox & Gibbs for lace crowns, also trimmers; none but experienced hands need apply. 80 Wooster st.

OPERATORS on W. & W. and W. & G. machines on ladies' and children's fine underwear. 94 4th av., opposite 11th st.

OPERATORS, hasters, and presemen wanted on alpacas, flannel, lined, and half-lined coats. 218 West Forty-second st.

OPERATORS on linen and alpaca coats; good prices to good hands. 128 North 1st st., near 3d, Williamsburgh.

OPERATORS and hasters on boys' coats and suits; pants given out. 159 Ainslie st., near Lorimer, Williamsburgh.

OPERATORS and hasters on alpacas, flannel and linen coats; work given out to good hands. 97 6th av., 1st loft.

OPERATORS and hasters on vests; also work given out. 163 Bayard st., near Graham av., Williamsburgh.

OPERATORS, hasters, and finishers on shop coats; piece or week work; good pay. 62 and 64 Clinton st.

OPERATORS and hasters on alpaca and cashmeret coats; work given out. 82 Oak st., Greenpoint.

OPERATORS and hasters on alpaca coats; work given out to good hands; good prices. 415 W. 40th st.

OPERATORS on white and calico shirts; work given out; call all week. 1,127 2d av., near 60th st.

OPERATORS and female hasters on shop coats; good wages. Inquire at 8 Henry st., 2d floor.

OPERATORS and hasters on vests, at Mrs. HORMEL'S, Av. A, corner 8th st., entrance Av. A.

OPERATORS on linen work; work given out. 400 West 37th st., corner 9th av.; ring third bell.

OPERATORS and finishers on lean drawers; work given out to good hands. 202 East 26th st.

OPERATORS, hasters, and button sewers; W. & W. machine. 119 Sheriff st.

OPERATORS and braiders wanted. 96 Pearl st., 2d floor.

OPERATORS and hasters on fine vests. 133 Av. B, rear.

OPERATORS and hasters on vests. 205 East 52d street.

PAPER BOXES.—Experienced hands on large and small glue work immediately. L. LEHMANN, 122 Fulton st.

PAPER BOXES.—Wanted, girls on glue and paste; steady work. THOMAS LYNN, 6 and 8 Charles place, Myrtle and Bushwick avs., Brooklyn.

PAPER BOXES.—Wanted, good glue hands; also learners taken; steady work. A. HESS, 51 Vesey st.

SEWING MACHINES.—Rented, privilege buying; sold cheap; Singer, Domestic, W. & G., W. & W., $10. 23 Greenwich av., near Jefferson Market, or 137 East Broadway, near Canal st.

SEWING MACHINES.—Domestic, Willcox & G., Singer, W. & W., $12, $25; $1 weekly; cheaper for cash; warranted. BROWN, 282 Grand st. and 522 Hudson st.

SEWING machines, wholesale and retail; Howe, Home, Domestic, W. & W., Singer, &c., new, from $15 to $35; discount to dealers. BLUM'S, 57 and 59 Murray st.

SCARF HANDS.—Folded tie backers wanted; only those who are familiar with the line need answer. SCHWAB & WILLIAMS, 82 Franklin st.

SEWING MACHINES, all kinds, $7; warranted for 3 years. 304 East Broadway, junction of Grand st.

TIDY young girl for light housework and children; no washing or ironing; reference. 17 Av. D.

TUCKERS and corders on ladies' undergarments. 155 and 157 South 5th av.

UMBRELLA sewers; experienced hands. 359 Broadway, up stairs. ALVAH HALL & CO.

VESTMAKERS wanted; work given out. 306 St. Paul's av., Jersey City Heights. Inquire in grocery store.

WANTED—Experienced operators on fine chemises, on fine night gowns, tucked skirts, and flounces, in and out door; also, indoor tuckers and pressers; steady work and advanced prices. MORRIS POPPER, 281 Church st., three doors from Canal st.

WHITE VEST hands wanted; operators, hasters, and buttonhole makers on the finest vests; the highest prices paid; $1.20, $1, and higher for buttonholes. No. 11a 8th st., Brooklyn, E. D.

WANTED—Operators on children's shoes. 169 Suffolk st., up stairs.

Wanted---Females.

A.—EXPERT SKIRT TUCKERS on Willcox & Gibbs. Also, First-class PRESSER on ladies' undergarments. SIMON STERNS & CO., 76 and 78 Leonard st.

A.—100 EXPERT operators on Wheeler & Wilson machines to make ladies' underguarments at home; parties having a number of machines supplied at good prices; steady work. Apply to JACKMAN & O'HARA, 200 Church st.

A.—100 EXPERT operators on Wheeler & Wilson machines to make ladies' undergarments on the premises; high prices paid to first-class hands. Apply to JACKMAN & O'HARA, 200 Church st.

A FEW experienced hand pinkers and binders wanted on ruffalings, and first-class hands on lace fichus, bibs, &c. CHAS. BERGENSTEIN, 304 and 306 Canal st.

A NUMBER of first-class W. & W. in and out door operators; also Willcox tuckers, buttonhole makers, and a little girl to cut needle work. I. ROTHSCHILD, 112 East 7th st.

A.—A.—100 OPERATORS and tuckers on W. & G. and W. & W. machines on white skirts, indoors and out; steady work and high prices. S. W. ADAMS, 361 Canal st.

A.—A.—S. ADAM, 215 Church st., wants a number of expert Willcox & Gibbs tuckers; also first-class chemise makers on Wheeler & Wilson machines; both indoors; steady work at good prices.

A.—A.—A number of tuckers on ladies' underwear to work by steam power; steady employment at good prices. S. BRILL & CO., 28 and 30 Greene st.

A NUMBER of operators, tuckers, pressers, and hasters on ladies' underwear; steady work. S. BRILL & CO., 28 and 30 Greene st.

ARTIFICIAL FLOWERS.—Wanted, good hands; steady work. L. DUHAIN, Jr., & CO., 520 Broadway.

A FOREWOMAN wanted in the 39th st. laundry, corner 6th av.; must understand all branches of laundry work; also coller and cuff ironers.

A.—100 EXPERT operators on calico wrappers and children's dresses. Apply, with references, 56 Clinton place.

A.—60 HANDS and learners on gents' scarfs and bows; steady work. 392 Broome st., near Centre.

ALPACA and linen coat makers; also operators, hasters and good sewers to learn. 245 West 24th st.

A experienced designer and operators on lace goods. D. MILLER & CO., 29 Greene st.

A SMART GIRL, about 17 years, to assist forelady in a factory. S. ADAMS, 215 Church st.

A.—OPERATORS on boys' fine suits; steady work. A. Apply all the week. 37 Bond st. POWELL.

AN EXPERT buttonhole operator; also a finisher; male or female. Shoe Manufactory, 49 Warren st.

ARTIFICIAL FLOWERS.—Rose, bud, blossom, and plant makers wanted at 17 Division st.

A.—A.—100 OPERATORS on ladies' linen dusters; steady work. Cor. 5th av. and 5th st., Brooklyn.

A SMART girl, 14, to go errands and make herself useful. Mrs. BRUCE, 71 Varick st., first loft.

A.—A.—100 OPERATORS on ladies' linen dusters; steady work. 459 Fulton st., Brooklyn.

AN OPERATOR; also small pants given out. Call all the week. 45 5th st., Williamsburgh.

A.—A.—A.—Pressers and finishers on ladies' undergarments. 155 and 157 South 5th av.

Wanted—Females.

WANTED—Operators on fine slips; steady work the whole year; outdoor operators must produce sample and references. E. ROSENHEIM & CO., 26 Walker st.

WANTED—Fast, experienced operators on Willcox & Gibbs machine for lawn ties. FLEISCH & CO., 450 Broadway.

WANTED—Operators, hasters, and finishers on coats. 529 East 11th st between Ave A and B. S. LIPMAN.

WANTED—Protestant girl, or middle-aged woman for general housework in a small family, to go to Astoria. Apply from 10 to 2 o'clock at 31 West 12th st.

WANTED—Thoroughly experienced operators on W. & W. machines for shirt bosoms; steady work. No. 254 State st., Brooklyn.

WANTED—A sober young girl for washing, ironing, and general housework. Inquire after 8 o'clock 190 Grand st., store.

WANTED—A woman; must be a good washer and ironer; private family. Inquire at 85 and 87 Chatham st.

WANTED—Operators, finishers, and apprentices on coats. Call for 3 days. 610 East 5th st., 2d floor.

WANTED—Artificial flower makers. Apply to HANSON, WOOD & CO., 128 Mercer st.

WANTED—A young girl to work on perfumery. WM. BERGMANN, 49 Cortlandt st.

WANTED—A little girl to mind a baby; reference required. 519 10th av. Mrs. CARR.

WANTED—Operators and hasters on vests. 505 5th st., rear. CHAS. BRANDT.

WANTED—Experienced forelady and designer on lace caps. Address A. B. C., box 139, Sun office.

WANTED—Good hands on children's sailor and kilt suits; also, for white vests. 594 Broadway.

WANTED—Girls to cut embroideries. 343 Broadway, 3d floor; call before 9 o'clock. A. M.

WANTED—Operators and hasters on coats. Apply to FRANK & HAYNER, 177 Lewis street.

WANTED—An elderly woman for housework; easy place. Address A. B., box 137, Sun office.

WANTED—Good operators on pants; steady work and good prices. 112 Clinton st., in store.

WANTED—An experienced girl to wash and iron and do general housework. 21 Division st.

WANTED—First-class operators and hasters on vests. 266 East Houston st., in the rear.

WANTED—A girl who has worked upon paper boxes. Inquire at 466 Broome st., top loft.

WANTED—Operators and hasters on fine vests; best prices paid. 280 Forsyth st., rear.

WANTED—Operators and hasters on vests. 129 East 3d st., in the rear; call all week.

WANTED—An experienced finisher on coats; German preferred. 224 Grand st., rear.

WANTED—A smart, tidy girl to assist in housework and mind a baby. 316 East 20th st.

WANTED—Operators and hasters on fine white vests. Apply at 337 East 4th st.

WANTED—30 good hands to work on piquets for flowers. 101 Prince st.

WANTED—A few good soft silk winders in silk factory. 456 10th av.

WANTED—100 ironers on calico shirts. 329 to 341 East 53d st.

WANTED—Neat sewers; none but steady hands, at 121 Elm st.

WANTED—Operators on ladies' underwear. 2 Lispenard st.

YOUNG GIRLS can obtain situations free, lodging and meals at 6 cents each, at the Girls' Lodging House, 27 St. Mark's place, one block east of Cooper Institute (under care of Children's Aid Society).

30 GOOD ironers on calico and cheviot shirts; also women to learn. Apply at 104 Thompson st.

50 FINISHERS, operators, and hasters on custom and shop pants; call all week. I. GOLDSTEIN, 3½ Division st., third floor.

50 OPERATORS, hasters on flannel and alpaca coats; also 20 white vest hands. 305 West 24th st., second loft.

50 NEW SHIRT ironers on white and colored shirts; also learners. 449 West 38th st. Call two weeks.

100 MILLINERS and straw sewers; work given out to experienced hands. HUMBERG & CO., 83 Wooster st.

200 NEW SHIRT ironers on white and colored shirts, and learners; best prices paid. 449 West thirty-eighth st.

Wanted---Males.

A FOREMAN competent to take charge of a first-class ruffle factory. Address L., box 139, Sun office.

A COPPER PLATE printer for wedding and visiting cards. J. W. GREATON, 1,215 Broadway.

A FIRST-CLASS vamper on ladies's fine shoes. Call two days, 182 Suffolk st., third floor.

A BOY wanted to open oysters; must be a good opener. Apply at 9 A. M., 52 31 av.

A FIRST-CLASS job compositor wanted at 61 Cedar st.

A FIRST-CLASS card plate printer wanted at 680 6th av.

BOYS wanted, between 14 and 16 years of age, living between 4th and 59th sts., for Am. Dist. Tel. Co. Apply at Training School, 5 West 4th st.

BROWNING, KING & CO. want first-class operators on Singer buttonhole machine. 541 West 23d st.

BOY WANTED in ruling shop to set pens and feint line. 161 William st., top floor.

BUTCHER BOY, with references, wanted at 39 6th av.

BOY wanted. Inquire in restaurant, 15 Broadway.

BOY to open oysters. 515 2d av., after 9 o'clock.

CORRESPONDENTS and contributors wanted for specialties and vacancies. Athenæum Bureau Literature, No. 37 Park row.

CHASERS wanted on silverware. WHITING MFG CO., Broadway and 4th st.

COMPOSITORS wanted. JOHN POLHEMUS, 40 Ann st.

FIRST-CLASS ruler, who understands striker; forwarder on half bounds. J. & R. T. LOVE, 114 Fulton st.

FINE COAT HAND wanted. M. DENNY, 208 West 34th st.

INTELLIGENT boys, about 16, to be useful in a factory. EUROPEAN EXPORT HOUSE, 146 and 148 Wooster st.

JOB PRINTING.—Two Gordon feeders; one to make ready. GREEN'S, 25 Walker st.

SHOEMAKERS.—Best and cheapest boot, shoe, and gaiter uppers in the city. J. MEEHAN, 22 Spruce st.

SHOEMAKERS.—Cheapest and best boot, shoe, and gaiter uppers in the city. C. KANE, 184 Eldridge st.

SHOEMAKERS.—A first-class workman on gents' and ladies' fine work, at 55 Myrtle av., Brooklyn.

THE ELASTIC PROCESS OF COPYING.—Improved and improved; the only perfect writing, sketch, &c.; wonderful success, improvement, and universal demand for JACOBS'S LITHOGRAM; patented in U. S. and Canada; beware of worthless imitations; agents wanted; sample, lithograph and outfit free of charge on receipt of $1. Address J. M. JACOBS, 3 Arch st., Boston, Mass.

TRUNK MAKERS wanted; constant employment and good wages guaranteed to first-class workmen. GEO. W. LITTLEMORE & CO., 18 4th av.

TIN ROOFERS wanted; also two good boys. 122 West 36th st.

WANTED—A first-class screw machine hand to go a short distance into the country; also a model maker who can make plain drawings. Apply between 8 and 9 A. M. Monday at JOHNSTON BROS., 1,260 Broadway, New York.

WANTED—Smart men to solicit orders for the cheapest and most popular editions of Dickens's, Shakespeare's, Moore's, and Burns's works; salary $12 weekly or commission. COLLIER, 27 Barclay st.

WANTED—A first-class cutter on ladies' fine slippers; must be able to take charge of the cutting work. Apply to BIELEFELD & BRO., 71 Worth st.

WANTED—A young man who understands the stamping for Bonnaz embroidering machines. 35 and 37 Wooster st.

WANTED—All persons not paid for their labor or goods to call at VAN HOVENBERG'S law office, 4 New Chambers st. Advice free. Cut this out.

WANTED—A young man to assist in bakery and kitchen; room; wages $7 per month; a good home. Apply at 36 Hudson st.

WANTED—2 through waiters for hotel; 1 useful boy for restaurant; also, stableman; bring reference. No. 108 6th av.

WANTED—A young man who understands the butchering business, with reference. Call at 819 31 av.

WANTED—A horseshoer and wagon smith. Call at 112 Division st., in basement, between 7 and 9 o'clock.

WANTED—An experienced lining cutter for gents' neck wear. H. RICHTER'S SON, 440 Broadway.

WANTED—A card plate printer. Apply to W. H. HOSKINS, 913 Arch st., Philadelphia.

WANTED—A core box for a brass foundry. CHAS. HARRISON & CO., 16 West 4th st.

WANTED—A young man as second hand on bread. GORDON'S Bakery, 198 Av. B.

WANTED—A first-class cutter on ladies' fine shoes. Apply at KING'S, 39 Warren st., before 8 o'clock.

WANTED—A boy to open oysters and wait on tables. Call at 177 Delancey st., between 9 and 10.

WANTED—A first-class pastry cook; accustomed to hotel work. Apply early at 25 Park row.

WANTED—A boy to kick a Gordon press; wages, $4 per week. Apply at 49 Beaver st.

WANTED—A young man that has some experience in printing. 179 and 181 Lewis st.

WANTED—Two good coopers for provision barrels. Apply early. 400 West 12th st.

WANTED—A man as cook in a restaurant. Apply after 8 o'clock, 596 11th av.

WANTED—A stout boy in a bakeshop. Apply corner 126th st. and 4th av.

WANTED—A good dinner cook at 56 Broadway, Brooklyn, E. D.

WANTED—A feeder on a ruling machine. 12 Cortlandt st.

5 POUNDS sample tea, $1; 5 pounds pure coffee, 50c. SAMPLE TEA CO., 289 Pearl st., and 40 Fulton st.

7 POUNDS pure tea, $1; 10 pounds pure coffee, $1; 10 pounds pure pepper, $1; all kinds spices. H