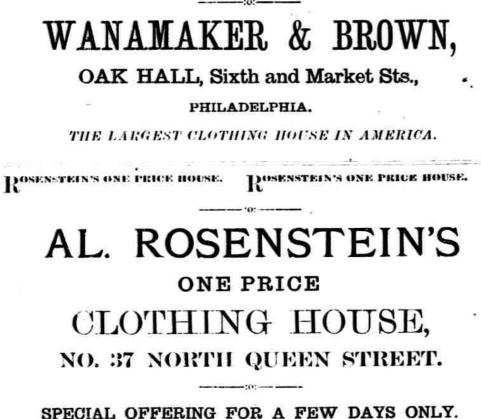


Volume XVIII---No. 8.

LANCASTER, PA., FRIDAY. SEPTEMBER 9, 1881.

Price Two Cents,

01	LOTHING.		
THE BUSINESS OF SELLING CLOTH	ING AT .		
OAK	HALL		
	greatness because these points are ally observed :		
IN MAKING.	IN SELLING.		
To Get the Best Material.	To Get the Cash.		
To Sponge it Properly.	To Have One Price.		
To Cut it Fashionably.	To Pay Back Money if Unsuited.		
To Sew it Thoroughly.	To Guarantee the Goods.		
end of the season.	always kept very full in assortment, even to the Trimmings are not approached by any Clothing		



IN ORDER TO CLOSE OUT MY ENTIRE STOCK OF

BOYS' SUITS

I have reduced them 25 per cent, below the ORIGINAL COST. Note the Price as marked in the window

Children's Suits from	\$1.50 up.
Eoys' School Suits from	
Suits to Fit Boys from 12 to 16 years	

Lancaster Intelligencer. FRIDAY EVENING, SEPT. 9, 1881.

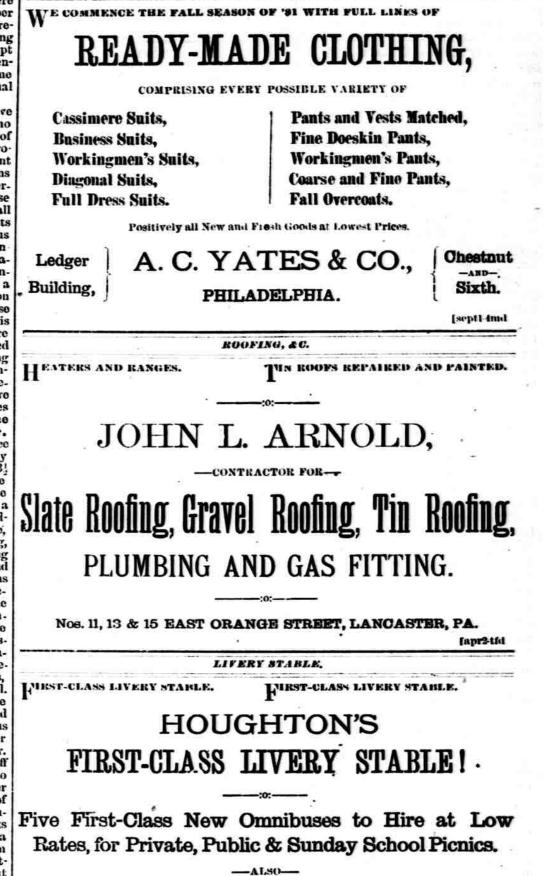
conclusion that the electric light was cap-able of producing upon plants effects real-ly comparable to those of solar radiation, that chlorophylle was produced by it, and that bloom and fruit rich in color and aroma could be developed by its aid. My experiments also went to prove that plants ress if subjected in winter time to solar light during the day and to electric light during the night. During the whole of last winter I continued my experiments on an enlarged scale, and it is my present the vellow ray—and not the violet ray purpose to give a short account of these experiments, and of some further applica was most efficacious in promoting the decomposition of carbonic acid in the vegetions of electric energy to farming operatable cell. Having in consequence of these preliminary inquiries, determined to sur-round the electric are with a clear glass tions, including the pumping of water, the sawing of timber, and chaff and root ¹ tons, including the pumping of water, the sawing of timber, and chaff and root-cutting, at various distances, not exceeding halt a mile from the source of power, giving wseful employment during the day-and thus reducing indirectly the cost of the light during night-time. The arrangement consists of a high pressure steam engine of six-horse power nominal, supplied by Messrs. Tangye Brothers, which gives motion to two dynamo machines, Siemens D., connected separately to two electric lamps, cach capable of emitting a light of about 4,000 candle power. One of these lamps was placed inside a glass house of 2,318 cubic feet capacity, and the results of 2,318 cubic feet capacity, and the results of 2,318 cubic feet capacity, and the saves statem of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the sources. The would otherwise bether enclution saving the fuel that would otherwise bether waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in a heater whence the green houses. The waste steam of the engine was condensed in the fact the transmission of power for the various saving the fuel that would otherwise berrequired to heat the stoves. The experiment the influence of the experiment to the distingt the stores. See of my head gardener, Mr. Buebh required to heat the stoves. The esperi-ments were commenced on October 23, 1880, and were continued till May 7,

ments were commenced on October 25, 1880, and were continued till May 7, 1881. "The general plan of operation consists in lighting the electric lights at first at 6 o'clock, and during the short days at 5 o'clock, every evening except Sunday, and continuing their action until dawn. The outside light was protected by a clear glass lantern, while the light inside the house was left naked. In the earlier ex-periments, one of my objects being to as-

house was left naked. In the earlier ex-periments, one of my objects being to as-certain the relative effect of the light under boundst to maturity under the influence of power being only two hundred-weight, those two conditions, the inside light continuous light would produce fruit cawas placed at one side over the entrance pable of reproduction. In order to test into the house, in front of a metallic re- this question the peas gathered on Februflecter, to save the rays that would other- ary 10 from the plants which had been wise be lost to the plants within the house. The house was planted in the first place with action were replanted on February 18. peas, French beans, wheat, barley, oats, They vegetated in a few days, showing as well as with cauliflowers, strawberries, raspberries, peaches tomatoes, vines and a Further evidence of healthy growth. variety of flowering plants, including roses | will be obtained by Dr. Gilbert, F. R. S., rhododendrons and azaleas-all these plants who has undertaken to experiment upon being of a comparatively hardy character. the wheat, barley and onts grown as above The temperature at this house was main- stated, but still more evidence will probtained as nearly as possible at 60 Fahren- ably be required before all doubt on the heit. The early effects observed were anything but satisfactory; while under the influence of the light suspended in the open air over of the views that many plants, if not all the sunk houses the beneficial effects of them, require diurnal rest for their due to the electric light observed dur- norman development, and it is with great ing the previous winter repeated themdiffidence and without wishing to generalize The plants in the house with the that I feel bound to state as the result of all selves. naked electric light soon manifested a my experiments, extending now over two withered appearance. Was this result the winters, that although periodic darkness effect of the naked light, or was it the efevidently favors growth in the sense of fect of the chemical products, nitrogenous compounds and carbolic acid which are tinuous stimulus of light appears favorproduced in the electric air ? Proceeding able for healthy development at a greatly on the first named as umption, and with a accelerated pace through all the stages of view of softening the ray of the electric the life of the plant, from the early leaf are, small jets of steam were introduced to the ripened fruit. The latter is superio into the house through tubes drawing atin size, in aroma and in color to that pro mospherie air with the steam and produc-ing the effect of clouds interposing themduced by alternating light, and the result-ing seeds are not at any rate devoid of selves in an irregular fashion between the regerminating power. Further experilights and the plants. This treatment was ments are necessary, I am aware, before decidedly beneficial to the plants, although it would be safe to generalize. Nor does care had to be taken not to increase the this question of diurnal rest in any way amount of moisture thus introduced be- bear upon that of actual or winter rest. youd certain limits. which probably most plants that are not "As regards the chemical products, called 'annuals' require. The beneficial carbonic acid and nitrogenous compounds influence of the electric light has been it was thought that these would prove very manifest upon a banana palm, which rather benchicial than otherwise in furnishing the very ingredients upon which plant ing its early growth and at the life depends; and, further, that the constant supply of pure curbonic acid resulting from the gradual of 1880 and 1881 under the night action of combustion of the carbon electrodes one of the electric lights, set behind glass might render a diminution in the supply at a distance not exceeding two yards of fi plant. The result was a bunch ighing seventy five pounds, the econ ng of unusual size and prohow in t competent judges unsurpassed Melons also remarkable for size nece ie flavor have been produced rout disc influence of continuous light in pring of 1880 and 1881, and I arc bety nt that still better results may influ when the best condition of re and of proximity to the elec have been thoroughly investi plai was shee ject hitherto has rather been to rays only plan the general conditions of this om which I am led to think that not far distant when the elec vill be found a valuable adjunct of a was ans at the disposal of the hortimaking him independent of The influence of the naked electric light, | elimate and season and furnishing him though at a distance from it of nine to ten a power of producing new varieties. Befeet, was distinctly shriveled, whereas fore electro-horticulture can be entertain that portion under cover of the clear glass | ed as a practical process it would be ne continued to show a healthy appearance; and this line of demarcation was distinctly visible in individual leaves. Not only the leaves but the young stems of the plants soon showed signs of destruction when ex- power is available the electric light can be posed to the naked electric light, and these produced at an extremely moderate cost, destructive influences were perceptible, though in a less marked degree, at a dis-tear and interest upon apparatus and matance of twenty feet from the source of light. A question here presents itself that where has already shown to amount to 6d. can hardly fail to excite the interest of the physiological botanist. The clear glass does not apparently intercept any of the luminous rays, which cannot therefore be trodes every six or eight hours, which can the cause of the destructive action. Pro- be done without appreciable expense by fessor Stokes has shown, however, in 1853 the under-gardener in charge of the fires that the electric are is particularly rich in in the greenhouse. In my case no natural highly refrangible invisible rays, and that these are largely absorbed in their passage engine had to be resorted to. The engine through clear glass. It therefore appears of six nominal horse power which I emreasonable to suppose that it is those highly refrangible rays beyond the visible spectrum that work destruction on vege-six pounds of coal per hour (the engine

light at equal distances from the electric arc. The first section was under the ac-tion of the naked light, the second was covered with a pane of clear glass, the third with yellow glass, the fourth with red and the fifth with blue glass. The product a product of the plants may not a second was the second was covered with a pane of clear glass, the third with yellow glass, the fourth with red and the fifth with blue glass. The product of the plants may not a second was covered with a pane of clear glass, the third with yellow glass, the fourth with red and the fifth with blue glass. The product of the plants may not a second was covered with a pane of clear glass, the third with yellow glass, the fourth with red and the fifth with blue glass. The product of the plants may not a second was reducted a second was diem, but in the day time and the firing of the boiler has nevertheless to be kept on the order to approximate the second was reducted a second was diem, but in the second was required during the day time and the firing of the boiler has nevertheless to be kept Practical Electricity. Dr. Stemens's Report of New and Marrelous Experiments in Electro-Horticulture. London Cable Letter to the World. I send you to day, as of the greatest scientific importance, Dr. C. W. Siemens's paper on some applications of electric en-ergy to horticultural and agricultural purposes. Dr. Siemens, as you know, is a fellow of the Royal Institute and a leading member of the institute of civil engineers. "On March 1, 1881," says Dr. Siemens, "I communicated to the Royal society a paper on the influence of electric light upon vegetation, in which I arrived at the conclusion that the electric light was cap-able of producing upon plants effects realwhere power is required for these various purposes, and which are in metallic con-nection with the current-generating dynaable of producing upon plants effects real-ly comparable to those of solar radiation, that chloromyylle was produced by it, and that bloom and fruit rich in color and aroma could be developed by its aid. My experiments also went to prove that plants do not, as a rule, require a period of rest during the twenty-four hours of the day, but make increased and vigorous prog-ress if subjected in winter time to solar light during the day and to electric light necting wires. In order to ensure the me tallie continuity of the wire fencing, care has to be taken wherever there are gates to solder a picce of wire buried below the gates to the wire fencing on either side. As regards pumping the water, a three horse power steam engine was originally horse power steam engine was originally used, working two force pumps of 31 inches diameter, making thirty six double strokes per minute. The same pumps are still employed, being now worked by a dynamo machine weighing four hundred-weight. When the cisterns at the house, the garden and the farm require filling, the numps are started by simply turning Slate

the charge of my head gardener, Mr. Buchanan, assisted by the ordinary staff



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First-Class Driving Horses, Buggies and Phaetons to Hire, at

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AFFORMERLY ZECHER BRO.S' OLD LIVERY STAND.

So rare a chance will not Le offered soon again. Call carly and get a good choice.

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Anyone having neglected or put off geiting then selves a SPRING OR SUMMER SUIT will do well to call at CENTRE HALL, NO. 12 EAST KING STREET.

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The LARGEST CLOTHING HOUSE IN THE STATE OUTSIDE OF PHILADELPHIA. We

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At reduced prices, in order to make room for our coming Fall Stock. If you want a Ready Made Suit you can be suited for a very small amount of money. If you pre'er being measured and baving a Suit made to order you can find no better stock to select from and at such prices as will astonish you. Indeed the prices are so low that no one need go about in a shabby suit these days. Just think of it, we can furnish you with

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to keep cool in, for the the enormous amount of THREE DOLLARS. Yes, for a man to wear, and a big man too. Call and see and be suited and save money. We employ the best experi-enced Cutters, and we can guarantee satisfaction in every particular.

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Elegant Styles Now Open for the Fall Trade.

New Styles in Body Brussels, for Parlors, Dining Rooms, Chambers, Halls and Stairs. New Styles in Tapestry Brussels, for Parlors, Dining Rooms, Chambers, Balls and Stairs, New Styles in Ingrain Carpets, for Parlors, Dining Rooms, Chambers, Halls and Stairs. New Styles in Venitian Carpets, for Halls and Stairs,

NEW STYLES MOQUET, VELVET, BODY BRUSSELS AND TAP-ESTRY BRUSSELS RUGS.

NEW STYLES IN FLOOR OIL CLOTHS, all widths.

NEW STYLES IN DRUGGET CRUMB CLOTHS, all sizes.

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ANOTHER LOT OPENED THIS MORNING.

AP Open evenings until So'clock as heretotore.

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IRON BITTERS are highly recommended for all diseases requiring a certain and cient tonic; especially

INDIGESTION, DYSPEPSIA, INTERMITTENT FEVERS, WANT OF APPE-

	while the weight of a portable engine with	
ł	its boiler filled with water may be taken at	
ļ	fifteen hundred-weight per horse-power.	
ľ	Moreover, the portable steam engine	-
	requires a continuous supply of	
	water and fuel and involves skilled	Ξ
	labor in the field, while the	
Ì	electric engine receives its food through	1
	the wire (or the light rail upon which it	
	may be made to move about) from the	
l	central station, where power can be pro-	
ľ	duced at a cheaper rate of expenditure for	
	fuel and labor than in the field. The use	
	of secondary batteries may be resorted to	1
J	with advantage to store electrical energy	
	where it cannot be utilized. In thus ac-	
	complishing the work of a farm from a	
1	central power station considerable saving	
1	of plant and labor may be effected. The	
1	engine power will be chiefly required for	
	day work, and its night work for the pur-	F
l	poses of electro-horticulture will be a sec-	
	ondary utilization of the establishment	
l	involving little extra expense. At the	
ľ	same time the means are provided of	
	lighting the hall and shrubberies in the	
1	most perfect manner and of producing	
1	effects in landscape gardening that are strikingly beautiful."	1
1	strikingly beautiful."	

It Seems Impossible

That a remedy made of such common, simple plants as Hops, Euchu, Mandrake, Dandellon, &c., should make so many and such marvelous and wonderful cures as Hop Bitters do, but when old and yoang, rich and poor, Paster and Doctor, Lawyer and Editor, all testity to having been cared by them, you must believe and try them yourself, and doubt no longer. See other column. s1-2wd&w

She Passed it Along.

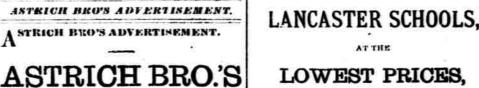
"Lead you my testimonial in reference t "Leady you my testimonial in reference to Spring Blosson, having taken it for dyspepsia, and receiving almost immediate relief. I passed it to my neighbor, who is using it with same results. MRS. J. W. LEFFELT, "Ehmira, N. Y." Price forcents. For sale at H. B. Cochran's drug store, 157 North Queen street, Lancaster.

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F. A. Scratch, druggist, Ruthven, Ont., writes: "I have the greatest confidence in your Burdock Blood Bitters. In one case with which I am personally acquainted their suc-cess was-aimost incredible. One lady told me that half a bottle did her more good than hun-dreds of dollars' worth of medicine she had previously taken." Price \$1. For sale at II. B. Cociran's drug store, 13' North Oueen SCHOOL BOOKS! SCHOOL BOOKS! All School Books and School Supplies at the ery lowest rates at L. M. FLYNN'S.

B. Cochran's drug street, Lancaster.	store,	137	North	Queen
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TOHN BAER'S SONS. Go to H. B. Coenran's Drug Store, 137 North Queen street, for Mrs. Freeman's New Na-tional Dyes. For brightness and durability of color, are unequaled, Color from 2 to 5 pounds, Directions in English and German. Price, 15 SCHOOL BOOKS cents



Beg to announce that they have open, and ready for inspection, a complete line of



JOHN BAER'S SONS ATEST FALL SHAPES OF STRAW HATS IN CANTON, MILAN, CHIP and PORCUPINE, FINE PORCUPINE HATS AT \$1

An excellent variety of Black Double Ostrich lumes from \$1 up to \$10. SPECIAL BARGAINS !-- We offer Plumes at 2 and \$3 apiece, which have never been sole for less than \$1 and \$5.

VELVETS, NEW PLUSHES, FANCY PLUSHES, NEW RIBBONS, PLUSH RIBBONS NEW VELVETS.

fard: No. 429 North Water and Prince streets above Lemon, Lancaster. n3-1yc Bargains in Black Satins at 75c. and \$1. Colored Satins at \$1. We have also opened a Complete New Line We have also opened a Complete New Line of Dress and Cloak Trimmings. We are able to show to our customers an 350 NORTH WATER ST., Lancaster, Pa.,

Wholesale and Retail Dealers in assortment of these goods never scen before in Lancaster. Silk, Chenille and Jet Fringes, in Black and LUMBER AND COAL.

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to seventy-five cents and upwards. We meas-ure the windows and put them up at short no-tice and in such a manner that you need not remove them when you wish to close the win-dow. All kinds of plain, figured and land-wears wises cape wires,



n elegant styles and large assortment for

in elegant styles and large assortment for the coming season. We have opened some choice Dado Window Shales entirely new. The designs are beauti-ful and cannot full to please. Of plain goods we have all colors and widths. Hollands, Paper Curtains, Fixtures, Cords, Tassels, Fringes, Loops, Extension Cornices, Poles, Ends, &c. Orders taken for Fine



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We have on hand a Large Assortment of BUGGIES AND CARRIAGES.

Which we offer at the

resh air possible, and thus lead to the	from the p
nomy of fuel. The plants did not,	of fruit wei
ever. take kindig to these innovations	banana bei
their mode of life, and it was found	nounced by
essary to put a lantern of clear glass	in flavor.
nd the light for the double purpose of	and aromat
harging the chemical products of the	under the i
and of interposing an effectual screen	the early s
ween the are and the plants under its	am confide
nence. The effects of interposing a	be realized
e thin sheet of clear glass between the	
its and the source of the electric light	temperatur
	trie light
most striking. On placing such a	gated.
et of clear glass so as to intercept the	" My obj
s of the electric light from a portion	ascertain t
of a plant, for instance a tomato	growth, fro
it, it was observed that in the course	the time is
single night the line of demarcation	trie light w
most distinctly shown upon the leaves.	to the mean
portion of the plant under the direct	culturist,

