THE COST OF ELECTRIC LIGHTING.

Some Very Interesting Facts and Figures Showing the Advantages of Municipal Ownership.

in favor of municipal ownership.

First let us draw a comparison between Illinois cities:

Elgin bas 80 arc-lights, all night, at

a cost of \$43 per light, under city ownership. Streator has 60 lights, all night, at a cost of \$96 00 per light under corporation ownership-more than double the cost.

Now let us see how it works in Hoosierdom: Madison, Ind., has 85 lights, "moon all night," (which means an average of 6 hours per night) under city ownership at a cost of \$58.50 per light. Logansport, Ind., has 85 lights, same time, under private ownership, at \$109 .-00 per light.

Here is how it works in "Old Kaintuck:" Bowling Green has 60 lights, under city ownership for \$50. Owensborough has 30 lights under private ownership, same time, costing \$110.00 per light.

Bangor, Maire, has 140 lights, all night, under city ownership at a cost of \$45 esch. Bath, Maine, has 31 lights, only half the number of hours, costing \$125 per light, under private ownership.

In Michigan the figures are even more striking: Ypsilanti owns and operates her light plant, and keeps 80 lights going till I o'clock in the morning at a cost of \$23 60 per light. Lansing with private ownership has 100 lights going per light.

a soulless corporation collects \$200 per these corporations.

The very instructive table given be- (light. At the same time Topeka, Kanlow with the comments following it sas, owns her plant, and keeps 184 lights sppeared in last week's Lincoln Herald. going at a cost of \$97 per light, and as a building material has increased Some further comment and comparison still it is evident from comparison will bring out additional strong points with other cities that Topeka doesn't practice e conomy.

Further comparisons are not neces

The compiler of the table below is certainly more than fair in his com- territory in the union has an organparisons. He is willing to allow 12 per ized militia except the territory of cent per year on the cost of city-o wned Utah. plants for interest and repairs. This is a very li beral allowance.

A study of the table reveals the fact that there are great differences in cost He declares that he has never experibetween different cities which own and operate their plants. Of course these differences may arise to some extent St. Valentine, who was a priest of from difference in cost of coal etc. But it Rome, and who was martyred in the is evident that they are due in a greater third century, are preserved in the measure to differences in economy of church of St. Praxedo, Rome, where a construction and management. That gate (now the Porta del Popola) was the corruption which prevails in so many cities has made the cost of plants and their operation much more expensive than they should be will hardly be disputed A general adoption of the plan of city ownership would largely do away with this. Experience will teach methods of greater economy, and cities will learn from one another.

Again, as the lights become cheaper under city ownership their number will be increased without a corresponding increase in the cost of the plant. Hence the loss was \$16,000,000. In 1889 and the cost per light will be reduced.

Considering all these circumstances same length of time at a cost of \$100.00 the table shows up the advantage of city ownership in a very striking man-In Missouri no comparison is possible | ner, There is little doubt that private | ties, ranging in size from four to thirty The old moss-backs down there are too cor, orations can furnish light as cheap inches, clogged the huge turbine wheel far behind the times to have made the if not cheaper than municipalities. experiment of city ownership. But This only emphasizes the magnitude of notice that in Kansas City for 128 lights | the robbery that is now practiced by | pottery at Beaver Falls, Pa. It took

Total cost plant Cost per are

CONSIDERABLE OF A DIFFERENCE.

Below is given a comparative table of the cost of electric light as operated by municipal ownership and private service. The compilation is made by Robert J. Finley in the Review of Reviews for February:

PUBLIC OWNERSHIP.

Cities operating plants.	lights, 2000	Period of	and	light
Cities operating plants.	candle power.			per year.
Little Rock, Ark	111	8 hours	\$35,'00	\$54 00
Aurora, Ill		7 h 30 min	43.000	66 69
Bloomington, Ill		All night	80,000	50 00
Decatur, Ill	61	Dark nights	21,000	49 18
Elgin, Ill	80	10 hours	28,600	43 00
Moline, Ill.	(2)17.	All night	21,000	53 00
Paris, Ill		7 hours	9,400	40.00
Madison, Ind		Moon, all night	25,000	58 50
Topeka, Kan	184	All night	50, 00	97 50
Bowling Green, Ky		Moon, all night	15,000	50 00
Bangor, Me	1.70%	All night	35,000	45 00
Lewiston, Me		Moon, all night	15,000	54 75
Bay City, Mich		Moon, all night	80,000	58 00
Ypsilanti, Mich	80	Moon, to la m	24, 60	23 60
St. Joseph, Mich		8 hours	55,000	72 00
Galion, Ohio		Moon, all night	23,000	35 00 (est.)
Marietta, Ohio		Dark to midni't		38 00
Chambersburg, Pa		6 hours	34,500	45 00
Easton, Pa.	27	All dark nights	:0,000	87 00
Meadville, Pa		7 hours	20,000	47 43
Titusville, Pa		10 hours	9,000	40 00 (est.)
Galveston, Texas		7 hours	40, 00	87 60
Staunton, Va	50-T200 c'dl no'e:	rio hours	17,000	24 00
			2.1811111	770
Average of the 23 cities, co				
Average of interest and de	preciation on of	itht, at 12 per ce	nt-per ngnt	83 90
	2000			-

Total entire average cost per ligh	t	********	\$86 64
PRIVATE	SERVICES.		
Cities supplied by private companies.	Number of arc lights, 2000 candle power.	Period of	Contract pric per arc light per year.
Texarkana, Ark	31	All night	\$160.00
Danville, Ill	80	As ordered	80 00
Jacksonville, Ill	71	Moon, all night	96 00
Joliet, Ili	121	Allnight	124 00
Peoria, III	233	Moon, all night	
Springfield, Ill	130	Moon, all night	
Streator, Ill	60	All night	96 00
Kokomo, Ind.	56	All night	100 00
Logansport, Ind	85	Moon, all night	100 00
Arkansas City, Kan	35	To 12 midnight	
Fort Scott, Kan	75	Moon sch. to 1 a	
Owensborough, Ky	32	Moon sch. to 1 a	110 00
Augusta, Maine		9 hours	76 33
Bath, Maine.	31	To 1 a m	125 00
Grand Rapids, Mich	120	All night	109 50
Lansing, Mich	100	Moon, all night	100 00
Kansas City, Mo		All night	200 75
Sedalia, Mo	92	Moon, all night	87 00
Springfield, Mo		Moon, all night	136 00
Bellaire, Ohio	52	Moon, all night	90 00
Fremont, Ohio	70	All night	90 00
Hillsborough, Ohio	63	Moon, all night	
Allentown, Pa	98	All dark nights	100 00
Lebanon, Pa	60	To 12 midnight	80 00
Newcastle, Pa	50	All night	80 00
South Bethlehem, Pa	. 55	Moon to 12 p m	81 82
Dallas, Texas	165	All night	95 85
Houston, Texas	92	All night	150 00
Parkersburg, V	58	All night	102 00
Note.—All night, 101/4 hours. Moon, a	ll night, 6 hours	Till 12 o'elock	, 5½ hours.

This comparison of city and pri- of the private company is the only capacity, and subject to the same ton, Texas, one-half the contract prices those cities formerly gave to private companies. Bangor, Maine, saves \$100 per light by the change; and so on. If the reports of mayors of the various cities having had such experience are to be believed, the change has in every instance brought more efficient service, with

and temporary causes. Many of the cities owning electric plants receive considerable profit from light supplied to private and commercial houses. Staunton, Va., derives a revenue from this source almost equal to the cost of operating its plant. Hannibal, Mo., draws an income of \$4,000 a year from rented lamps, and Chariton, Iowa, it is said,

earns \$15,000 a year in the same way. One of the chief reasons why cities lighting plants are operated in connection with municipal water works. One building often suffices for both necessary to add only two or three employes to the water works force.
Then, too, the municipal plant is not \$180.00 during the month of last Noeperated for profit. Often the profit vember,

vate light plants of equal arc light difference between the systems. Even if private companies could do territorial conditions, is the fairest lighting as cheaply as municipalities that can be made, excepting that it is doubtful if they would. Electric between the same light under the two systems. Fortunately even the systems of which are practically not this test can be applied. Until March, 1889, Elgin, Ill., paid local companies \$266.66 per arc light per year for service with which it now supplies itself for less than one quarter of that sum. Municipal electric lighting costs Lewiston, Maine, only one-third and Galveston, Texas, one-half, the contract from their very nature are natural monopolies cannot be so economically administered by private corporations as by the people.

The above figures show that 2,365 private company electric lights cost the public \$258,320; while 2,354 public ownership lights cost the public one or two exceptions due to special \$203,950 (including \$67,340 for depresaving of \$54,870. The debt being dition to be used. paid, as in time it would be, the savin addition to lighting its streets, ing would have been at least \$94,000, or more than one-third.

> Sacramento uses 148 are lights, paying the Electric Light and Power Co. \$179 per light per year.

Lincoln has 176 twelve o'clock and about five per cent of sugar. can furnish themselves with light sixteen all night are lamps, for more cheaply than private com- which is paid to the Lincoln Gas panies is that many of the municipal company annually, \$22,816, or an average of nearly \$118.85 per lamp. In addition to this the city also pays plants. Heveral cities have found it to the same company, every month, quite a large gas bill, amounting to

NOTES AND NOTIONS.

The cost of the capitol at Washington has exceeded \$30,000,000. Railway traveling in Hungary is

said to be cheaper than in any other Until last winter it is said that no wolves have been seen in Massachu-

setts for half a century. The use of ornamental terra cotta greatly in New York city during the

Consul Roosevelt of Brussels, say's that cargoes of horse beef from New York city are being shipped to that country for the poor people.

The militia of the United States aggregates 112,496 men. Every state and

Samuel Harmon of Fox Hill, Pa., claims that he has eaten in the last twenty years 3,650 pies. His regular consumption has been half a pie daily. enced the slightest attack of dyspepsia.

The greater part of the remains of formerly named from him Porta Valen-

There are now in New Zealand seventy-eight butter and cheese factories. The farmers receive about six cents a gallon for their milk The butter is forwarded to England. The freight charges for the entire distance of 12,000 miles are about three cents a pound.

Cold weather is costly. The fire loss for January, 1893 rose to \$17,000,000. No fire loss like this has been recorded since 1888, also a cold winter, when 1890, both warm winters, the January fire loss was not half that in the cold Januarys of 1888 and 1892.

Bushels of fish, carp, pickerel, rock bass, suckers and many other variethat furnishes the power for running the machinery of the Mayor Bros.' an hour to get the fish out.

QUEER FOLKS.

The family of a citizen of Denver has kicked so over their family name of Mule that he has asked the courts dress, to change it to "Miles."

The Atlanta Constitution is responsible for this "true story:" "There is said to be a two-headed woman in Louisiana, who sings in a church choir, and has two distinct voicestenor and soprano."

The Hartford Post says that an amateur artist of that town chalked a banana skin on the sidewalk the other day that looked so natural that everybody gave it a wide berth, and one old gentleman actually fell down, thinking it his duty to do so.

There died lately in the English Bedlam an inmate who has been known for over half a century as only Mo., from his monomania-he was lucid in everything else and wrote books that attracted intelligent attention-that he would some day wed Queen Victoria, whose horse he stopped while she was riding in Hyde park and respectfully proposed to her. She had been then queen only a year. He this country says: was arrested and committed as an insane person and remained in Bedlam until his recent death there.

As Artemus Ward's health was elicate, and his father and only brother had died young, he was urged by his friends to give up certain indulgences and save himself. This caused him to relate the following anecdote to Mr. Europe. With the new rinted and relate the model of the control of the co Knight: "I once knew an old fellow in the West, living mainly by himself. who said he had always been making sacrifices as to appetite, giving up one thing after another for the sake of health. At length, when he was about eighty years old, he had simplified his diet until he was just living on whisk and pork. But one day he said to me: 'I guess I've got to give up the pork-'fraid it's hurtin' me.' "

THE HUM OF INDUSTRY.

Dovetail paving bricks are being made in England.

There is a little town named Markneukirchen, in Saxony, where nearly every inhabitant is engaged in the manufacture of violins.

The federal and cantonal authorities of Switzerland will shortly begin preparations for the art and industrial exhibition to be held in the autumn of 1896 at Geneva.

Several French railway lines are going to light their carriages with the electric light, 'as it has been found perfectly practical to make and store electricity by means of a mechanical attachment to the engine."

Wood for tennis rackets requires at least five years' seasoning; that is to say, it requires to be kept for five years in the rough timber state before being cut up for use. Wood for planes ciation of plant and interest to is kept, as a rule, for forty years bebondholders for purchase money), a fore it is considered sufficiently in con-

> It is quite possible to make sugar from carrots; and, indeed, carrot juice contains more than ninety per cent of saccharine matter. As carrots are expensive abroad, foreign augar manufacturers prefer best-roots. Very few people know that cow's milk contains

Eight miners at Jurjevka, Russia, were imprisoned in a mine by its being suddenly flooded with water a month or so since. It took ten days to pump the water out, and all hope of their rescue was abandoned, but when veached they were still living although terribly exhausted, having eaten nothing during the entire time of their imprisonment.

ITEMS AND IDEAS.

The Buddhists have thirty-two hells. An old orange peddler in Amsterdam has died and left his heirs \$80,000.

Ira Ward of New Haven, Vt., who is ninety-seven years old, visited the barber for the first time one day recently.

A nervy correspondent of the Boston Pilot tried to work "The Burial of Sir John Moore" off on that journal as an original poem.

A Philadelphia minister is in constant demand for wedding purposes by sentimental and superstitious couples, because his name is Bliss.

Alex Kennedy of Blount county, Tennessee, resides in the house in which he was born n'nety-two years ago. He is the father of twenty-six children, all of whom grew up to maturity, and eighteen of whom are now alive.

Andrew Brand, of McCurdysville West Virginia, aged 25, walked into the river at Morgantown and was drowned in sight of twenty people, who could not get oars for a boat in time to save him. He called for help after getting in and tried to reach shore. Brand had been in the insane

Two Americans who were dining at tables in front of a cafe in Paris near the Seine noticed high up on the front wall of a building a red mark and underneath it this inscription: "Inundation of 1875. Highwater mark." "Come! Come!" said one of the Americans to the restaurant keeper; "you don't expect us to believe that the river ever rose as high as that!" "Oh, no," said the proprietor blandly, "it only came up to here." He made a sort of scratch with his thumb nail near the ground. "But you see when the mark was down there the children rubbed it out so continually that we had to put it up there out of reach."

Home Industries.

Fat cattle wanted at the Alliance market, 327 So. 11th St., Lincoln Neb.

Farms for Sale.

160 acres 4 miles north of Alliance Box Butte county Neb. 70 acres in cultivation, 80 acres fenced, sod house and barn, two wells. Will give possession at once. Price \$8 00 per acre.

160 acres 6 miles north of Alliance. 40 acres in cultivation, all tillable. Price \$7.00 per acre. There can be other land bought adjoining these if desired. For further particulars address. F. D. KLINE, Alliance, Neb.

You will get fresh and pure seeds at Griswold's, 140 Sonth Eleventh street

Tourists Trips. Round trips to to the Pacific Coast. Short trips to the Mountain Resorts

of Colorado. The Great Salt Lake. Yellowstone National Park-the most

wonderful spot on this continent. Puget Sound, the Mediterranean of the Pacific coast. And all reached via the Union Pacific

System. For detailed information call on or address, E. T. MASTIN, C. T. A., 1044 O St., J. B. SLOSSON, Gen. Agt.. Lincoln, Neb.

CHAUNCEY M. DEPEW.

The other day, in speaking of the improved facilities for luxurious travel in

have already been equipped with the most improved and the safest system of lighting known in this country or Europe. With the new Pintsch lamps car, and in the event of mishap, the fixtures become detached and the gas escapes into the air."

The brilliant Pintsch light, the finest car illuminant in existence, now in use on the Union Pacific System fulfills all the requisite conditions so happily noted by Mr. Depew.

World's Fair Rates

will soon be officially announced. In connection with this subject the following information briefly stated will interest readers of this paper.

Assuming that you will take advantage of the inducements offered World's Fair visitors and others from Lincoln and vicinity by the unsurpassed North Western line, let us tell you what this

great system of R. R. has done for you: It has expended the vast sum of \$2, 000,000.00 for your welfare, i.e. in adopting and establishing on its lines in Chicago and vicinity the most perfectly devised block signal system for running trains with the utmost safety to passengers; in increasing its terminal facilities of all kinds that you may be expedi-tiously and comfortably disembarked from its trains upon your arrival; and will furnish you wnexcelled fast train service and equipment from Lincoln to Chicago.

Note particularly the advantage of our trains leaving Lincoln at 5:25 p. m., and ariving in Chicago at 9:30 next morning. Parties in Lincoin or out of Lincoln, would do well to call at or address this office for any desired information in regard to this popular route, rates, and connections.

A. S. FIELDING. City Ticket Agt WM. SHIPMAN, General Agt., 1133 O St. Depot corner S and Eighth streets.

M. E. HINKLEY, CENTRAL NURSERYMAN, Marcus, Iowa

The best of the new fruits, ornamental and evergreens. Hig supply of the HLACK n HLAS SPRUCE, the best evergreen yet. It will cost you nothing to let me price your needs. Experimental station of the State Hortbultural Society in connection with the nursery. Currespond. Satisfaction guaranteed.

MIFE YOU DO IT FOR THE MONEY.

OBTAIN CHICAGO PRICES FOR ALL YOUR PRODUCE.

The way to do this is to ship your Butter, Poultry, Eggs, Veal, Hay, Grain, Wool, Hides, Beans, Eroom Corn, Green and Dried Fruits, Vegetables, or anything you have to us. The fact that you may have been selling these articles at home for years is no reason that you should continue to do so if you can find a better market. make a specialty of receiving ship ments direct from FARMERS AND PRODUCERS, and probably have the largest trade in this way of any house in this market. Whilst you are looking around for the chespest market in which to buy your goods, and thus economis ing in that way, it will certainly pay you to give some attention to the best and most pr able way of dispesing of your produce. We invite correspordence from INDIVIDUALS. ALLIANCES, "CLUBS, and all erganizations who desire to ship their preduce direct this market. If requested, we will send you free of charge our daily market report, shipping directions and such information as will be of service to you, if you contemplate shipping. When so requested proceeds for shipments will be deposited to the credit of the ship per with any wholesale bouse in Chicago. Let as hear from you,

SUMMERS MORRISON & Co..

COMMISSION MERCHANTS, 174 South Water Street, Chicago. Reference: Metropolitan National Bank, Chicago.

J. W. CASTOR, Ores. J. P. ROUSE, Vice-Pres.

E. E. MOTT, STATE AGENT. A. GREENAMYRE, Trees.

INSURES ONLY FARM PROPERTY

ARMERS, we invite your attention to the Farmers' Mutual Insurance Company of Nebraska, If you are in want of Insurance you can not afford to insure in any other company, and if you do not want insurance now, write and get a copy of our By-laws and Constitution and learn what we are doing anyway,

Remember we are for Farmers only.

PRINCIPAL OFFICE, Room 407 Brace Building.

LINCOLN, NEB.

will completely destroy the desire for Totacco in any form in from 3 to 5 days. Perfectly harmless, cause no sickness, and may be given in a cup of toa or coffee, without the knowledge of the patient, who whi voluntarily

Particulars free THE OHIO CHEMICAL CO., by mail. Address | 51, 53, and 55 Opera Block, LIMA, 0.

A CAR LOAD OF

The Best in the World-just received by

C. M. Loomis 905 O Street. Call and See them. Also Tanks, Pumps, Pipe, etc. Tin Roofing, and anything in the hardware line.

Telephone 371.

C. M. LOOMIS.

\$11.76

——Will buy a——

TWELVE YARD PATTERN

-OF-

this country says: "We are abandoning the old system of lighting the cars with kerosene lamps, and more than half the coaches have already been already been already been approach to the cars with serosene lamps, and more than half the coaches have already been alr

In the New Spring Shades of

Cafe au Lait, Military Black, Emerald, Tabac, and Violet.

ORDER: SAMPLES.

38 inch Subline Silk Warp, all colors, . . . 38 inch All Wool Whip Cord in Change-

able Colors..... 40 inch All Wool Suitings, Spring Styles . .

46 inch All Wool Satin Finish German Henrietta in all colors..... 40 inch English Serge, Changeable colors...

Samples cheerfully sent to out-of-town customers.

HAYDEN BROS.,

LINDELL: HOTEL.

INDEPENDENT HEADQUARTERS. CORNER THIRTEENTH AND M STREETS, LINCOLN, NEB.

Three blocks from Capitol building. Lincoln's newest, neatest and best up-town hotel. Eighty new rooms just completed, including large committee rooms, making 150 rooms in all. If A. L. HOOVER & SON, Prop're

Advertise in

The Alliance-Independent.