# GOOD VAPOR LAMP OF ROAD OFTEN RIGHT

Least Fatiguing to the Human Eye of All Artificial Lights.

One of Which Is the Production I

Quartz Tubes of Ultra-Violet Rays—The Effect May Be of Highest Importance. Highest Importance.

of Highest Importance.

"Dr. Peter Cooper Hewits development of the mercury vapor lamp has provided a light which is the least fatiguing to the human eye of all artificial lights," said George Westinghouse at the Southern Commercial congress, Atlanta, Ga. "Experimentation with this lamp has led to the development of several other uses of the mercury vapor arc, one of which is the production in quantz tubes of ultra-violet rays, the effects of which are likely to be of the high-test importance in our daily lives. While these ultra-violet rays are emitted in the quartz tubes, they are effectively neutralized by the glass tubes which contain the mercury vapor used in lighting.
"One of the important uses to which these ultra-violet rays have already been put has been to absolute by sterrillae water, however unto a best of the production of the contained by heready been put has been to absolute by sterrillae water, however unto a product of the production of the production of the contained when the production of the production

ready been set has been to absolute by strillia water, however much it may have been contaminated by bacteria. Experiments have also shown that the ultra-violet rays will sterilize milk without the application of heat in such a manner that it can be kept in properly sterillized vessels for long periods without deterioration or loss of list food values. 
Mr. Westinghouse also pointed out that, owing to the growth of appulation, the pollution of rivers, the contamination of the water supply upon which our population must rely, and the difficulty of determining whether he water and milk we use are safe from moxious bacteria. "this safe and thorough method of sterilization becomes of inestimable value. The elaborate experiments and demonstrations which have already been made at the Sorbonne in Paris and at the city water works of Marseillies, Prance, have not only proved the featibility of this method of sterilization but have brought out the fact that at 15,000-600 flowing generator of electrical energy could sterilize in gass of drinking and modeling in the Tailed States."

### SMOKE-CONSUMER A SHCCESS

Twenty Years' Trials of Fuel Econo-mizer Has Been Favorably Tested at Sheffield.

As moke consumer and fuel economics, and to be the result of wenty years' trials, has been successfully rested at Sheffield. Coal was feel into the furnace of a boiler generating steam for running the works, with the usual result—the emission of black snoke from the chimney; then the consumer was put into action; and in the consumer was placed as to allow, the desired quantity of external air to be formation. to turn the smoke waste into an economic value. Prof. J. A. Switzer of the University of Tennessee records the result of experiments which he has made with smoke-consumers based has made with smoke-consumers based on the principle of injecting, with, steamlets, fresh air into the furnaces whenever fresh fuel is put upon the first. He finds that the claim that such apparatus increases he sefficiency of the boilers by increasing the evaporation of the water is well jounded, and that there is a real economy in their time.

A Crucial Test.

Are you sure the man in insane?"

"Are you sure the man in meaning asked the lawyer.
"Yer," replied the noted expert, "I placed him in a thirty story office building and noted that he used the stairs for going up and the elevator for coming down."

### KINNEYISMS

Work is the curse of the drinking

classes.

If you want to lose a customer just hire his son to work for you.

The first law of good salesmanship is to show a keen interest in the customer. DEVELOPMENT OF OTHER USE

Is to slow a keen interest in the custionier.

An old man once said to me: "My son, you will make a success—it you will work."

Say what you please, an optimist always encourages while a pessimist always is depressing.

A "machine of the shappy reached down the goods from the shelves and then takes the money.

Man's life consistent not in the abundance of things he possesseth but in the number of chores he hath to do, Restienber there is more money taiking to a customer about his affairs than telling him about your own affairs.

fairs.
The "selling" clerk knows the goods, The "selling" clerk knows the goods, St. shows them, talks them, and not only increases sales, but brings good will of the store.

One of the secrets of popularity is to talk to the other, fellow about him self and to keep your own affairs in at the background.

self and to keep your own agains at the background.

It does not take much ability to make anything a good salesman can self, but it certainly takes a great salesman to sell some of the things

salesman to sell some of the things some fools make.
Every live clerk should carefully read his town paper. Keep nosted.
When customers come in show them you are posted on what they are do-ling. If you read a, sood article or a good editorial mention it to the editor. If a customer is building a new house talk to him shoul the fouse.—Ex change.

What's in a Band?
They were arguing as to the merits of the electric pagents of the preceding night of the preceding night.

"Just about the sheddy's concern I ever saw: never did see such bundosts," rearnixed the peasimist. "And." he added, "the bands—rotton—never heard such noises as they put up in my Hfc."

"Ob, chase yourself." replied the optimist, heatedly. "Yer never happy less yer knocking somethin! I claim that parade was good an' them floats fline; and, as fer th' bands—well, they all wore uniforms, didn't they?"

Apt Name.

"Yes, we've named our auto," snys
the lady with the corn! eardrops.

"How delightful! It is quite the
dad now to call your mechine something," says the one with the hairless
on, "What do you call yours?"

"My husband named Jr. He calls it
Tax, because, he says, so many people dodge it."—Judge.

IDENT OF GIRLS WHO HAVE MADE HIT BY NOT HAVING

October Graduate Is Ordered an Outdoor Life and Makes More Money on Fruit Farm Than She Would at Teaching.

I could give incident on incident of irs who have made their hit by not waining fixed ideas of the work they up to do not attempting nothing else. I have a superior of the could, naving that nothing succeeds. He cleens, even if it he not in one own the late that the could be considered to the production of road proves the different road road proves the different road to the worker's sur-

Sometimes the off-road proves the right road, greatly to the worker's sur-prise. A girl wonf through four years of one of our big eastern gol-leges, graduating high in her class. The difference of the surprise of the day of the surprise of the surprise of the and her doctor ordered an outdoor life. her doctor ordered an outdoor life, of went to California, secured a point as overseer on the fruit farm a friend, became interested, in science fruit raising, and has a big plaintation of her own. She test ten times the money she would teaching and has a bundredfold bet-beatth

makes ten times the money she would at eaching and has a hundredfold better lealth.

Another college graduate became | a sectetary in a blouse shop, a position as forcher falling her. Walle there her suggestions showed she possersed a real talent for designing, and now she makes a big income along these lines bucks to phase to gen for you or can force a way in; in the meantime do not be disdainful of setting into bisiness any lway you can, provided your entrance will bear inspection and is peen and above board.

I matters less bob you get into the world of work than how you establish yourself when you get there. And there is no firmer way to effect that catabilishient than by 'making' yourself felt in he daily tasks, even if uncongenial.—Chicago Tribune.

Surfacing Ajuminum.

It order to free aluminum articles from fat, oxide and either foreign substatices, and to give them a good surface, a German firm uses a hot ten per pent, solution of cooking sods, saturated with common sait. The articles to be cleaned as adjunct therein and urable with common-sail. The articles to be cleaned are dipped therein and held there 15 to 20 seconds, their cases out and brushed; next dipped again in the pickle, and kept their bail a minute. They are then well washed with water-preferably in rupning water-and finally dried in awater-and fasslered, it is sufficient odly hem in a diluted solution of causarice is gleened, it is sufficient to dip hem in a diluted solution of causarice is gleened, it is sufficient to dip hem in a diluted solution of causarice to state, after which they may be well rinsed and thoroughly dried.

Corrobbrative.

"I was absolutely beside myself when John came home late from the club night before isat."

"Yes, he told me he saw two of you."

Experiments in the raising of Cotton The italian governments in the raising of centor in that country, which now importunity to the country of the \$50,000,000 worth of the staple each year.

## WOMEN ARE POORLY PAID

WAGES OF ONE HUNDRED WORK ERS IN CLOTHING SHOWN.

Candy Establishments Employing Nearly 1,000 Persons Working 48 Hours a Week 50 Per Cent. Fali to Earn Six Dollars.

Out of 100 women workers in cloth-ing the wage earnings are shown by the bureau at Washington as foi-lows:

ing the wage earnings are snown on the bureau at Washington as foilows:

Sixteen workers, under \$5, 20 workers, at \$5 to \$8: 17 workers at \$8 to \$10: 18 workers at \$10: 18 workers at \$10: 18 workers at \$15 and dver. The range of hours constituting the week are from \$2 to \$67 hours, with some Sunday; work in the rush selsons. The normal week, year after year, is from \$60 to \$2 hours.

Eight candy establishments, employing a total of \$44 lworkers, showed a normal week of \$68 hours, in which it works as much as \$6 works. Which is not be pleechasts. Summer Is the dull season, when most of the semployees work on at average of four years and the semployees work on at average of four \$10 km \$1

Test for the Purity of Sugar.

A simple test for the purity of sugar.

Sugar Stands Slows-From a Mallet.

So-called burgler proof glass' tands

season began October Is and from that

season began October Is

time. The factory was run for eight hours on each of the intervening Sundays and 59 days until 9 p. m. (the normal bours being from 2:30 a. m. to 5 p. in.). To make up the 250 hours not lovered by the ten intervening Sundays and still stop at 6 p. m. each might be factory would have to open at 6:30 a. m., as one-half hour was allowed for leuch air noon and one-half hour for supper, and it was necessary to get in four and three-quarters hourd to get in four and three-quarters hourd a day up make 250 hours in 50 days.

a day to make 280 hours in 59 days.

Thomas Burgess, superintendent of Kenshi Green cemelory, relates a story of a bee which lived underground for 7 by years. He says;

"While two of my men were digging a grave and when six and one-half feet bown from the present surface the control of the superintendent of the control of the control

All the Attraction All the Attractions.
"This seems to be quite a progressive town," said the stranger.
"Oh; yes," the retire proudly replietly, the big cittes lain't go nothin' on us. Were just dished a hotel that has a mezzanine floor."

IS WONDROUS PLACE

Famous Mammoth Cave Reveals Some New Wonders.

/iolet City," Discovered in Recen Explorations, is So Called From Violet Tint of Walls Reflected by Lights of Guides.

Louisville. Ky.—Recent exploration has revealed new worders in the fations Mammoth cave, of Kentucky, mong winds is a leastiff "Violet City." and it is condidently expected that further exploration now in progress will result in many discoveries of new wonders in this underground world of mystery. The "Violet City" is so called from the beautiful violet int of the walls reflecting the gildes. The bridal altar is another feature which attracts much attention and before it a number of marriages have taken place. Louisville, Ky.-Recent exploration

fore it a number of marriages mas-taken place.

Mammoth cave, which is situated in Edmonson county, Central Kentucky, hear Green Piver, has been one of the world's marveis eyer since its discov-ery in 1809 by a hunter who, accord-ing to tradition, pursued a wounded bear into the yawning mouth of the cavern. Sloce that time it has been the meeca for tourists from all parts for the world.

cavern. Since that time it has been the meets for tourists from all parts of the world. The early bistory of the cave is largely concerned with the history of the manufacture of gunpowder. This great industry was insugurated in Rentucky, early in the almoteenth century, and the War of 1812; with its embargo on foreign commerce, greatly increased the importance of Mambach cave, as a center whence this all-important product might be produced. Vasa quantities of soil. Charged with lime threate, were found and milet; and Philadelphia and Lerington capitalists controlled the eavern, and its exploration went on with a view to securing, for practical



Marriage Ceremony at Bridal Altar.

Marriage Ceremony at Bridal Altar.

business purposes, its vast mineral wealth. Fortunately, the war with England soon ended, and Mammoth. England soon ended, and Mammoth care was sared.

Echo Fires at feature of the cave the control of the cave the source of the care the sectionist. The control of the capetal at the law of the section of the capetal and at the lowest of these the stories, and at the lowest of these the control one knows where. Only a small portion of the river is accessible to visitors, and that only during the dry season. During the beary rains of spring and autum, this mysterious stream fills to the top of the great River Hall, blotting out the Dend Sea and the River Styx, which are parts of this underground stream. It is possible, under favorable conditions, to litraverse it for a half mile in the low, flat-bottomed boats, which ply on its surface. The acoustic properties of surface. The acoustic properties of surface, the acoustic properties of the control of

### HOW UGLY MEN WIN BEAUTIES

Canadian Lecturer Ascribes Peculiar Choice Often Made by Girls as "Blind Psychic Impulse."

Choice Often Made by Giris as "Billind Psychle Impulse."

Chicago.—Several Chicagoans have found out why it is that so many beautiful women marry ugly men. They had noticed this fact before, but it awaited the explanation of Dr. H. F. Cameron of McGill university, Candad, who cleared up the inystery in a lecture to the class In sociology at the University of Chicago.

The real reason is what Dr. Cameron describes as "Olind psychic the Discourage of the class of the control of the control of the class of the control of the control of the class of the lucky men.

"Persons like J. P. Morgan and John D. Rockefeller, as well as gentlemen of blue blood," were among those whom Dr. Cameron described in his lecture as having overcome the handicap of slight personal pulchtude in their race for the girls of their choice.

Passion Play Profitable.
Berlin.—The financial result of the
Oberammergau passion play, of 1910
has been declared as follows: Gross
revenue from sale of tickets, photo-graphs, etc., \$425,160; expenditures
for the performance, road and tiver
regulation, etc., \$122,925; salaries of
365, persons, 1916,660; for the poor of
the parish, \$2,000. Net profits, \$108,
175.



Not a Singer.

"Johnny," the teacher said, "here is a book. Now, stand up straight and sing like a little man."

The song was "Nearer, My God."
No sconer had the school commenced

NO SCORE had the school commenced to sing than a little girl waved her hand frantically. Stopping the sing-ing, the teacher inquired the cause. "Please, teacher, I think Johnny will get nearer if he whistles."

AN ESTABLISHED FACTORY

AN ESTABLISHED FACTORY
Probusing standard goods used by stores, banks, farmers and practically everybody, banks, farmers and practically everybody, benks, farmers and practically everybody, and the proposed of the property of the property

Somebody Was Interested

Somebody Was Interested,
Maybe she meant it as a compliment,
maybe she didn't. He likes to believe
that she did. At dinner he said
if saw Dr. Parkburst on Madison
avenue today."

[Well" and "Hul" being the only
comments on that remark, he went
Am.

[Now! wonder if Dr. Parkburst &

[Now! wonder if

Subject to Restrictions

Subject to Restrictions.

If was cleaning for a new laby lass week an' de dirr in her kitchen was a sight, nor thing, said Rose, Mis. Fraze's darkskinned charweman.

Ibut why did jabe let it get like that? asked the lady.

I dunno: ma'mn. Guees ske never seem in the seem of the see

### SCRATCHED TILL BLOOD RAN

"When my boy was about three months old his. head broke out with a rash which was very fitchy and ran a watery full. We tried everything we could but he got worse all the time; (il) it spered to his arms, legs and then to his entire body. He got so had that he came near dying. The rash would fitch so that he would scratch till the blood ran, and a thin yellowish stuff would be all over his pillow in the morning. I had to put mittens on his hands to provent him tearing his skith. He was so weakle and run down that he took fainting spells as if he were dying. He was almost a 'skeleton and his little hands were thin like claws.

spells as if he were dying. He was almost a 'skeletoniand his little hands were thin like claws.

"He was had about eight months when we tried Cultiurn Remedles. I had not laid him idown in his tradle to the state of the state

Not dust What He Meant She (at the masquerade)—Do you think my costume becoming? He (with enthusiasm)—Yes, indeed; but you would be lovely in any dis-

On Occasion.
"Pop, is it X that is an uni

Dr. Pierce's Pellets, small, sugar-easy to take as candy, regulate and orate stomach, liver and bowels ar constipation.

It's easier for a shiftless man make friends than to make good.

SHE WAS THE CAUSE.



Hewitt—I am a ruined man.

Jewett—Does your wife know it?

Hewitt—No! she doesn't yet realize hat she has done.

SUFFERED TERRIBLY.

Kidney Trouble and Rheumatic Palns Made Life Miserable.

M R Wilson Humboldt, Nehr., says:

M. R. Wilson, Humboldt, Nebr., says:
"I had kidney disease in a very aggravated form. Kidney secretions contained a dark sediment and passages
were very paintut. I
was so stiff I could
hardly move. My back
and terrous and dizzy
on "P" ing I feit weary
and depressed. I doebut steadily given worse until almost
helpics. I given worse until almost
helpics. I given worse until almost
helpics. I short thus perfect was
entirely well."
Hemember the name—Dours.
For sale by fall dealers. 59 cents a
box. Foster-Milburn [Co., Buffalo, N. Y.

Happy Family.

Happy Family.

Mrs. Scrappington (in the midst of the reading)—Here is an account of a woman turning on the gas while her husband was dsleep and asphyxiating him!"

Mr. Scrappington—Very considerate of her. I'm sure! Some wives wake their husbands up, and then talk them to death.—Puck.

Taking: a Chance.
Employer—\$5, then, Miss Willing, you're leaving us for good?
Miss Willing—No, sir! For better or for we'se!

44 Bu. to the Acre



Your Liver is Clogged up

That's Why You're Surts-Have No Appe CARTER'S LIT LIVER PILLS will put you right in a lew days. They do

SMALL PILL, SMALL Genuine : a Signature