

1909  
**..HAVILAND CHINA..**  
 NEWEST DESIGNS, LATEST DECORATIONS  
 Largest and most beautiful line of Decorated Haviland China ever shown in this city.  
**A. V. ALLEN** Sole Agent for  
 Barrington Hall Steel Cut  
 COFFEE 40c CAN  
 Branch Uniontown  
 Phones 731, 3871.

**"HETTY'S" DAUGHTER TO MARRY WILKES**  
 MISS SYLVIA GREEN'S ENGAGEMENT TO MATTHEW ASTOR WILKES.

GALT, Ont., Feb. 11.—Miss K. L. Wilkes of this city is notifying her friends of the following announcement made this week to their family and intimate friends: "Mrs. Hetty Green of New York announces the engagement of her only daughter, Miss Sylvia, to Matthew Astor Wilkes of New York, the eldest son of the late Matthew Wilkes of Cruikston Park, Galt, Ontario."

**Oregon May go Into Railroad Business**

(Continued from page 1)  
 Both houses are holding night sessions. Both will work tomorrow, although it is Lincoln's birthday. Owing to the amount of business to receive the attention no legal holiday was declared.

**DIRECT LAW ADOPTED.**

DENVER, Feb. 11.—The first section of the Hicks direct primary bill, which provides for the nomination of state, county and city offices by direct votes, yesterday passed the house by a direct vote of 37 to 20. The senate accepted the report of the committee on judiciary on the bill which will come before the senate today. A desperate fight on the bill is expected in the senate.

**TUNGSTEN LAMPS FOR AUTOMOBILES.**

The new tungsten lamp, the economical features of which have revolutionized electric lighting, has been successfully applied to automobiles to take the place of the oil signal lamps or for instrument illumination. The tungsten lamps are made in miniature sizes which can be run by low voltage from the ignition battery, at such a high efficiency as to necessitate only one-third of the battery capacity required for carbon lamps. It is very probable that electric lights will soon take the place of the acetylene headlights on automobiles used for city purposes. There is even some talk of passing ordinances in several cities against the use of these glaring headlights which blind pedestrians and other drivers. Oil headlights have been tried but they give too little light and the experiments recently conducted with the new tungsten electric lights warrants the statement that they make better headlights than gas for city machines.

The first application of electric heating for household use was the electric flatiron. Now there are hundreds of thousands of electric flatirons in use in private homes and laundries.

One of the largest express terminals in the world, that of the North Station, Boston, Mass., has been equipped with an electric package conveyor which minimizes the labor of the employees and makes safe the handling of the smallest and most fragile packages.

Printed sheets as delivered from the press frequently "offset" or smear from undried ink. An electrical method of preventing this has recently been patented.

**URINARY DISCHARGES RELIEVED IN 24 HOURS**  
**SANTAL MIDY**  
 With Capsule Bears the name MIDY  
 MIDDY  
 Solely of chemists and ALL DRUGGISTS

**NEW YORK LETTER**

NEW YORK, Feb. 6.—With less than a week intervening before the centenary of Lincoln's birth, Gotham is to-day wrapped up in a multitude of plans for making some fitting mark for this most eventful of Lincoln's Birthdays. Hundreds of thousands of school children are bending earnestly over prize essays on the great emancipator which will echo the enthusiasm of the adults. Halls are being hired, processions formed, tablets hewn and statuary sculptured in honor of this greatest national celebration in the metropolis. Up in the Bronx Borough the five hundred white and colored friendless folks, who are constantly cared for and cured on the cots of the big Lincoln Hospital and Home, to-day wait anxiously for the nation's response to their call to perpetuate this humane work in Lincoln's name. Women workers from the oldest of this city's families are singly engaged in rearing this living monument to the hero of the coming celebration. Half a million dollars is asked of all America to endow this work that is carrying succor to the poor of the country in Lincoln's name. Whatever else of temporary tribute this city sees, it is believed the lasting Lincoln memorial will be found in this national tribute to the cause of all humanity.

downtown districts here have begun a hot chase for the honors of the dusty course. Hard-earned salary envelopes have been torn and dumped out over the counters of the favored merchants for running shoes, skirts and trunks as well as all sorts of liniment, plasters and bandages. So great has grown Gotham's mania for this amateur aping of the Marathon champions that no one can go out at night without encountering rows of running wraiths, all intent on up-building wind and limb. For the profit to the office-nerve the public is thankful though the private profit of the sporting and drug trade increases at its expense.

From the wrinkled hands of J. F. Morgan to the dimpled fist of baby Virginia Burbige there has just been passed the insignia of a fellowship in the Metropolitan Museum of Art for which many a man would give years to attain. Just because this baby of the tenement districts happened to meet the eye of the magnate president of the ancient art institution at a recent reception this exceptional honor has come to-day to the house of Burbige, whose head works for a living about the museum halls. Whether the signals distinction will be appreciated by the young woman who develops from this baby bunch no one however, is quick to recognize in this action of the magnate Morgan, the future tie which must bind together the plain people and art.

**WHEN THE FUSE BLOWS OUT.**

"It might have been," is sad enough

A sudden shake-up in the police department of this city is being expected hourly to day, while easy burglary runs riot everywhere throughout the commercial districts. Since a huge safe was found transported, rifled and dumped in the outskirts of Harlem the other morning with all the free-

dom of a mining camp, merchants as well as the heads of the police protective forces have come to recognize that swift shifts of the slumbering guardians of the law must be made to guard the ordinary rights of the plain business man. Two of Bingham's cleverest sleuths, Ransberger and Hooker, have already been detailed down town to look out for this insidious wave of office burglary which has penetrated to the heart of the best skyscraper fastnesses. Guards are being doubled about the safes and strongboxes of the money magnates of the Wall Street district and yet no stay has been forced upon the constant incursions of the office tappers of the under world. New York is silently straining to hold intact the army of great and small business establishments that have given themselves into its keeping.



CHARLES B. HANFORD AS "PE TRUCHIO" IN "THE TAMING OF THE SHREW."

but it does not cast the sable folds of gloom over the average business man half as quickly, nor half as completely, as when the grimy-fisted conductor on the street car bawls out; in his terse and grammatical way, "The fuse blown out; take the car ahead!"

The business man seldom knows just what has happened but he does know that he must hustle into another car or be late to business.

A fuse is a small piece of metal alloy wire having a low melting point and its purpose is to automatically open the large electric circuit under abnormal conditions. The alloy may be in form of a bare strip of wire or it may be encased in a fireproof tube. When the current is excessive, or not amperage high, this wire is the first thing to melt, cutting out the current which would otherwise damage the motors. On street cars this wire usually melts with an explosion and a puff of smoke harmless in itself but sufficient to startle nervous passengers.

But instead of being indicative of danger the fuse is devised to prevent accidents. Electric machinery differs from all other machinery in that it will work itself to death, so to speak. Overloaded engines will stop; but an overloaded motor will work right on until it burns up. To protect it fuses

or circuit breakers are inserted in the circuit.

The fact that passengers have been so frightened when the fuse blew out as to jump off the moving car or even out of windows necessitated the invention of the automatic circuit breaker. The circuit breakers are operated by an electric magnet whose core is attached so as to trip a release or trigger and allow a heavy spring to throw open a switch. This device does away with the explosion and the smoke.

**HIGHEST VOLTAGE.**

The long distance transmission line from the Muskegon River to Grand Rapids, Mich., holds the world's record for high voltage transmission of electrical energy. The record voltage is 110,000 volts and it is only a few years ago that the 72,000 volt pressure over this same line was the highest in the world.

The wires for this high tension transmission are suspended from steel towers 53 feet high and 500 feet apart. They are insulated with five large porcelain disks ten inches in diameter which are tested to stand a pressure of half a million volts without arcing over.

A peculiarity of this enormous electrical pressure is to cause a static discharge which causes a crackling, hissing noise which can be readily heard for a distance of over a hundred feet. In the dark this static discharge can be seen; the wires being luminous with little streaks of light where there is a particle of dust or an irregularity in the copper. And yet the transmission wires are so thoroughly insulated and stretch for so many miles that the friction of the wind will charge them with static electricity even when entirely disconnected from the power plant. When a slight wind is blowing a spark over an inch long can be drawn from the wires.

**FREIGHT RECORD ACROSS THE CONTINENT.**

On the night of November 20th, 1908, a 4,000kw. frequency changer set left the Schenectady plant of the General Electric Company and at 7 o'clock in the morning, December 4th, it arrived at San Francisco, consuming approximately thirteen days in transit.

So far as is known this is the quickest time heavy freight has ever crossed the continent. It was only because special arrangements had been made with freight agents all along the route and an expert tracer accompanied the cars in transit that this wonderful record was established.

The heavy electrical machine, weighing many tons, was shipped from Schenectady the night of Nov. 20th; left Buffalo on the 21st; Chicago on Nov. 23rd; Council Bluffs on Nov. 25th; Ogden on November 30th and arrived in San Francisco on December 4th, where it will be installed in the North Beach power-house of the United Railroads.

**AUCTION AUCTION AUCTION**

Every Saturday at 11 a. m. we will sell to the highest bidder  
 A LARGE CONSIGNMENT OF FURNITURE  
**Make Your Own Prices**  
 During the week furniture of all description will be sold at auction prices.  
 See Martin Olsen for up-to-date upholstering work, Mattress Making, etc., will repair your bed in one day, calling for it in the morning and returning it in the afternoon. Will sew and lay carpets.

**OLSEN & ECKLUND**  
 Commission and Auction House, 110-15th Street

**Fast Freight Service**

Daily Service Via  
**THE A. & C. R. CO.**  
 Through merchandise Cars from Portland to Astoria leave Portland at 6 p. m. **Every Day except Sunday.** All less than carload shipments delivered at Freight House before 4 p. m. will arrive in Astoria at 9:50 p. m. For further information call on  
**G. B. JOHNSON, Gen'l Agent A. & C. R. R.**  
 12th St., near Commercial St. ASTORIA, OREGON.

**Tungsten Electric Lamp**

Greatest advance in lighting methods since the invention of incandescent lamps.  
**EXAMPLE—**  
 32 C. P. Ordinary electric lamp consumes ..... 110 watts per hour  
 32 C. P. "Tungsten" electric lamp consumes ..... 40 watts per hour  
 Saving ..... 70 watts per hour  
 By using "Tungsten" lamps you can get 275 per cent increase in light for the same cost or in other words can have the same quantity of illumination for 35 per cent of the cost of lighting with ordinary electric lamps.

**The Astoria Electric Co**

... FOR A ...  
**VICTOR OR AN EDISON PHONOGRAPH**  
 —GO TO—  
**Johnson Phonograph Co.,**  
 Parlors Second Floor Over Scholfield & Mattson Co.

**WARDEN SCHOOL OF OPERATORS**

**Sherman Transfer Co.**  
 HENRY SHERMAN, Manager.  
 Hacks, Carriages—Baggage Checked and Transferred—Trucks and Furniture Wagons—Pianos Moved, Boxed and Shipped.  
 433 Commercial Street. Main Phone 127

**FEBRUARY TIDE TABLE.**

FEBRUARY 1909.				FEBRUARY 1909.				
High Water.	A. M.	P. M.	Low Water.	A. M.	P. M.	Low Water.	A. M.	P. M.
Date.	h. m.	h. m.	Date.	h. m.	h. m.	Date.	h. m.	h. m.
Monday	11:54	8:51	Monday	11:40	8:37	Monday	11:47	8:44
Tuesday	12:07	8:6	Tuesday	11:50	8:47	Tuesday	11:57	8:54
Wednesday	12:30	8:7	Wednesday	12:05	8:58	Wednesday	12:12	9:04
Thursday	1:01	8:8	Thursday	12:20	9:10	Thursday	12:27	9:14
Friday	1:40	8:9	Friday	12:35	9:22	Friday	12:42	9:20
Saturday	2:10	8:9	Saturday	12:50	9:35	Saturday	12:57	9:26
SUNDAY	2:35	8:9	SUNDAY	1:05	9:48	SUNDAY	1:12	9:32
Monday	3:00	8:9	Monday	1:20	10:00	Monday	1:27	9:38
Tuesday	3:27	8:9	Tuesday	1:35	10:13	Tuesday	1:42	9:44
Wednesday	3:55	8:9	Wednesday	1:50	10:26	Wednesday	1:57	9:50
Thursday	4:28	8:9	Thursday	2:05	10:39	Thursday	2:12	9:56
Friday	5:06	8:9	Friday	2:20	10:52	Friday	2:27	10:02
Saturday	5:51	8:9	Saturday	2:35	11:05	Saturday	2:42	10:08
SUNDAY	6:47	8:9	SUNDAY	2:50	11:18	SUNDAY	2:57	10:14
Monday	7:32	8:9	Monday	3:05	11:31	Monday	3:12	10:20
Tuesday	8:16	8:9	Tuesday	3:20	11:44	Tuesday	3:27	10:26
Wednesday	9:01	8:9	Wednesday	3:35	11:57	Wednesday	3:42	10:32
Thursday	9:50	8:9	Thursday	3:50	12:10	Thursday	3:57	10:38
Friday	10:44	8:9	Friday	4:05	12:23	Friday	4:12	10:44
Saturday	11:44	8:9	Saturday	4:20	12:36	Saturday	4:27	10:50
SUNDAY	12:49	8:9	SUNDAY	4:35	12:49	SUNDAY	4:42	10:56
Monday	1:50	8:9	Monday	4:50	1:02	Monday	4:57	11:02
Tuesday	2:47	8:9	Tuesday	5:05	1:15	Tuesday	5:12	11:08
Wednesday	3:40	8:9	Wednesday	5:20	1:28	Wednesday	5:27	11:14
Thursday	4:29	8:9	Thursday	5:35	1:41	Thursday	5:42	11:20
Friday	5:14	8:9	Friday	5:50	1:54	Friday	5:57	11:26
Saturday	6:04	8:9	Saturday	6:05	2:07	Saturday	6:12	11:32
SUNDAY	6:59	8:9	SUNDAY	6:20	2:20	SUNDAY	6:27	11:38
Monday	7:50	8:9	Monday	6:35	2:33	Monday	6:42	11:44
Tuesday	8:37	8:9	Tuesday	6:50	2:46	Tuesday	6:57	11:50
Wednesday	9:20	8:9	Wednesday	7:05	2:59	Wednesday	7:12	11:56
Thursday	10:00	8:9	Thursday	7:20	3:12	Thursday	7:27	12:02
Friday	10:37	8:9	Friday	7:35	3:25	Friday	7:42	12:08
Saturday	11:20	8:9	Saturday	7:50	3:38	Saturday	7:57	12:14
SUNDAY	12:09	8:9	SUNDAY	8:05	3:51	SUNDAY	8:12	12:20
Monday	1:00	8:9	Monday	8:20	4:04	Monday	8:27	12:26
Tuesday	1:47	8:9	Tuesday	8:35	4:17	Tuesday	8:42	12:32
Wednesday	2:30	8:9	Wednesday	8:50	4:30	Wednesday	8:57	12:38
Thursday	3:09	8:9	Thursday	9:05	4:43	Thursday	9:12	12:44
Friday	3:44	8:9	Friday	9:20	4:56	Friday	9:27	12:50
Saturday	4:15	8:9	Saturday	9:35	5:09	Saturday	9:42	12:56
SUNDAY	4:47	8:9	SUNDAY	9:50	5:22	SUNDAY	9:57	13:02
Monday	5:10	8:9	Monday	10:05	5:35	Monday	10:12	13:08
Tuesday	5:39	8:9	Tuesday	10:20	5:48	Tuesday	10:27	13:14
Wednesday	6:04	8:9	Wednesday	10:35	6:01	Wednesday	10:42	13:20
Thursday	6:25	8:9	Thursday	10:50	6:14	Thursday	10:57	13:26
Friday	6:42	8:9	Friday	11:05	6:27	Friday	11:12	13:32
Saturday	6:55	8:9	Saturday	11:20	6:40	Saturday	11:27	13:38
SUNDAY	7:04	8:9	SUNDAY	11:35	6:53	SUNDAY	11:42	13:44

**THE ORIGINAL LAXATIVE**  
**FOLEY'S HONEY AND TAR**  
 Cures Coughs, Colds, Croup, La Grippe, Asthma, Throat and Lung Troubles. Prevents Pneumonia and Consumption.  
 T. F. LAUREN OWL DRUG STORE

**Fast Freight Service**  
 Daily Service Via  
**THE A. & C. R. CO.**  
 Through merchandise Cars from Portland to Astoria leave Portland at 6 p. m. **Every Day except Sunday.** All less than carload shipments delivered at Freight House before 4 p. m. will arrive in Astoria at 9:50 p. m. For further information call on  
**G. B. JOHNSON, Gen'l Agent A. & C. R. R.**  
 12th St., near Commercial St. ASTORIA, OREGON.

LET US TELL YOU ABOUT  
**Tungsten Electric Lamp**  
 Greatest advance in lighting methods since the invention of incandescent lamps.  
**EXAMPLE—**  
 32 C. P. Ordinary electric lamp consumes ..... 110 watts per hour  
 32 C. P. "Tungsten" electric lamp consumes ..... 40 watts per hour  
 Saving ..... 70 watts per hour  
 By using "Tungsten" lamps you can get 275 per cent increase in light for the same cost or in other words can have the same quantity of illumination for 35 per cent of the cost of lighting with ordinary electric lamps.

... FOR A ...  
**VICTOR OR AN EDISON PHONOGRAPH**  
 —GO TO—  
**Johnson Phonograph Co.,**  
 Parlors Second Floor Over Scholfield & Mattson Co.

**WARDEN SCHOOL OF OPERATORS**  
**Sherman Transfer Co.**  
 HENRY SHERMAN, Manager.  
 Hacks, Carriages—Baggage Checked and Transferred—Trucks and Furniture Wagons—Pianos Moved, Boxed and Shipped.  
 433 Commercial Street. Main Phone 127

**FEBRUARY TIDE TABLE.**

FEBRUARY 1909.				FEBRUARY 1909.				
High Water.	A. M.	P. M.	Low Water.	A. M.	P. M.	Low Water.	A. M.	P. M.
Date.	h. m.	h. m.	Date.	h. m.	h. m.	Date.	h. m.	h. m.
Monday	11:54	8:51	Monday	11:40	8:37	Monday	11:47	8:44
Tuesday	12:07	8:6	Tuesday	11:50	8:47	Tuesday	11:57	8:54
Wednesday	12:30	8:7	Wednesday	12:05	8:58	Wednesday	12:12	9:04
Thursday	1:01	8:8	Thursday	12:20	9:10	Thursday	12:27	9:14
Friday	1:40	8:9	Friday	12:35	9:22	Friday	12:42	9:20
Saturday	2:10	8:9	Saturday	12:50	9:35	Saturday	12:57	9:26
SUNDAY	2:35	8:9	SUNDAY	1:05	9:48	SUNDAY	1:12	9:32
Monday	3:00	8:9	Monday	1:20	10:00	Monday	1:27	9:38
Tuesday	3:27	8:9	Tuesday	1:35	10:13	Tuesday	1:42	9:44
Wednesday	3:55	8:9	Wednesday	1:50	10:26	Wednesday	1:57	9:50
Thursday	4:28	8:9	Thursday	2:05	10:39	Thursday	2:12	9:56
Friday	5:06	8:9	Friday	2:20	10:52	Friday	2:27	10:02
Saturday	5:51	8:9	Saturday	2:35	11:05	Saturday	2:42	10:08
SUNDAY	6:47	8:9	SUNDAY	2:50	11:18	SUNDAY	2:57	10:14
Monday	7:32	8:9	Monday	3:05	11:31	Monday	3:12	10:20
Tuesday	8:16	8:9	Tuesday	3:20	11:44	Tuesday	3:27	10:26
Wednesday	9:01	8:9	Wednesday	3:35	11:57	Wednesday	3:42	10:32
Thursday	9:50	8:9	Thursday	3:50	12:10	Thursday	3:57	10:38
Friday	10:44	8:9	Friday	4:05	12:23	Friday	4:12	10:44
Saturday	11:44	8:9	Saturday	4:20	12:36	Saturday	4:27	10:50
SUNDAY	12:49	8:9	SUNDAY	4:35	12:49	SUNDAY	4:42	10:56
Monday	1:50	8:9	Monday	4:50	1:02	Monday	4:57	11:02
Tuesday	2:47	8:9	Tuesday	5:05	1:15	Tuesday	5:12	11:0