PORTLAND RAILWAY,

LIGHT & POWER CO.

**BULLETIN NO. 11** 

Incandescent Lamps-Their Use and Abuse

"The value of electrical energy, as furnished to a consumer, is not proportional alone to the amount of energy as measured by an

electric meter, but is dependent upon various other factors, includ-

ing the efficiency with which the electrical energy can be transformed or translated into other useful forms. The consumer uses

electrical energy for securing light, heat and mechanical power;

and for the transformation into these more directly useful forms

various translating devices are employed. The adequacy of the

service is dependent in large measure upon the efficiency of these

clude various forms of lamps, such as the carbon filament incan-

descent lamps, the tantalum and tungsten incandescent lamps,

Nernst lamps, mercury vapor lamps, and the numerous types of

are lamps. For the production of mechanical power, motors of

various kinds are employed, and for electrical heating, the trans-

amount of electrical energy consumed in the ordinary type of in-

candescent lamp depends upon the design of the lamp and the

materials and processes used in its manufacture, upon the voltage

at which it is designed to operate, the voltage at which current is supplied to it, ITS PERIOD OF SERVICE, the CLEANLINESS

OF THE OUTER SURFACE OF THE GLASS BULB, as well as

as the number of hours during which it will continue to give illumination, this period being usually terminated by a burning away or rupture of the filament. It is recognized as exceedingly bad practice

to allow lamps to remain on circuit until this point has been reached, since the deterioration in efficiency will have become such as to make it uneconomical of operation. It is better practice, and

one more commonly prevailing, to express the life of a lamp as the number of hours at which it will operate at normal voltage before

its efficiency falls to a value below 80 per cent of the efficiency of

the lamp when new. This length of life, as commonly attained in

the better grades of carbon filament lamps now manufactured, is in the neighborhood of 600 hours, and to allow a lamp to burn

longer than that period usually results in what might be termed

inadequate or uneconomical service, due to excessive deterioration.

"One of the most common causes of poor service is due to the

"It is a fact not sufficiently recognized that the accumulation

of dust, oil and dirt on the outer surface of an incandescent, lamp

will materially reduce its efficiency, and many instances exist where

the illumination may be increased from 5 to 10 per cent by clean-

ficient size of the wires installed in buildings, causing a reduction

of the voltage. This may result from poor design or false economy

in the original installation, but in many instances is due to the

growing demand for more current than the original installation of

wiring was intended to provide for. Poor electric service may result

from such inadequate wiring, even though the company may sup-

ply a satisfactory voltage to the inlet of the building. It appears

to be universally true that the electric company is not directly; re-

From Report of Railroad Commission of Wisconsin, July, 1908.

"One of the most serious causes of inadequate service is insuf-

peration of incandescent lamps after they have depreciated below

"The ultimate life of an incandescent lamp may be expressed

"The amount of illumination which can be secured from a given

lating devices comprise various forms of resistances.

"For the production of illumination, translating devices in-

translating devices.

upon various other factors.

80 per cent of their original efficiency.

sponsible for such inferior wiring."

CITY NEWS IN BRIEF	of the Orpheum circuit shows in Fine
Pac States   Home	land. C. N. Sutton, resident manager; James H. Errickson, of the Grand the- ater; Frank Coffinberry, press agent, and George L. Baker, chairman of the Portland Theater Managers Association, greeted the members of the profession who had taken part in the first week's Orpheum programme.  There was an elaborate dinner, be-

## OREGONIAN AT RESORTS.

The second secon
For quickest and most satisfactory service subscribe for The Oregonian at Summer resort through the following agents. City rates. A subscriptions by mail are payable in advance
Ocean Park
The Breakers J. M. Arthu
Long Beach M. W. Rubi
Seaview Strauhal & Co
Hwaco Bailway Company News Agen
Gearhart Dresser & Co
Feaside
Newport
Carson Springs
Collins Springe
colling phints

### AMUSEMENTS.

ORPHEUM THEATER (Morrison, between Sixth and Seventh)—Advanced vaudeville. Matinee, 2:15; tonight at 8:15.

GRAND THEATER (Washington, between Seventh and Park)—Vaudaville de Luxe, 2:30, 7:20 and 9 P. M.

PANTAGES THEATER (Fourth and Stark.)
—Continuous vaudaville, 2:30, 7:30 and
9:30 P. M.

LYRIC THEATER (Seventh and Alder.)
—Blunkal Stock Company in "Confessions of a Wife." Every night at 5:15. Mattness, Thursday, Saturday and Sunday at 2:15.

THE OAKS—Don Carlos' dog, pony and mon-key show, free, at 3 P. M.; Allen Curtis Musical Comndy Company in 'The Teddy Girl.' in Airdome, at 5:15 free.

Completing Catholic Clushouse.-P. E Sullivan, president of the board of directors of the Catholic Young Men's Club, of St. Mary's Parish, announces that the clubhouse on Morris street near Williams avenue will be completed by about September 1. Then it will be furnished. The entire cost will probably be not far from \$15,000. The building will be equipped as an up-to-date clubbiouse. As set forth in the club's constitution, its "object shall be the promotion of social intercourse and moral, educational and physical development of its members." While the major ity of its members are Catholics, there are a large number of non-Catholics on the membership roll. The club was incorperated November 16, 1966, and work porated November 18, 180, and work on the clubhouse was started in 1907. It is a two-story structure, with a full base-ment. On the second floor is a fine au-ditorium, and on the first floor are the library, billiard, reception and general rooms. The basement will contain the athletic department. When the clubrooms with appropriate exercises

On Helps County Roads.—County roads entering Portland were more generally olled this year than ever before, with excellent results. The Base Line road, one of the most traveled highways, was thoroughly olled our to Scott avenue at Mount Tabor, with the result that the people living along the road escaped all annoyance from dust. The Section Line road also was olled for a considergbla distance with good results. The Sandy road was olled out to Rose City Park. Next year this oiling of the county highways will be more general than ever. People on the Powell Valley and Foster roads will have those thoroughfares olled East from Russellville schoolhouse the Bare Line road, olled for the automobile races, is today almost as smooth and solid as a hard-surface navement. It

BAR ASSOCIATION MEETING.-The local commitmee has obtained an extension of time in which members of the Oregon bar desiring to attend the American Bar Association meeting at Seattle, August 24 to August 25, may purchase their trans-portation. Tickets must be obtained at the office of the Northern Pacific Company at Third and Morrison streets on of before Monday, August 24, in order to obtain an excursion rate of \$7.59 round trip. Purchase regular one-way firstclass tickets on going trips, taking re-celpts therefor, and such receipts show-ing that going tickets were purchased on or before August 24, when signed by the days after close of meeting (not counting Sunday) to Northern Pacific ticket agents at Scattle, will be honored for return trip at one-third fare.

RETURN FROM CRATER LAKE.—The party of Portland Y. M. C. A. men, which left Portland August 7, for an outing at Crater Lake, is expected to arrive home this morning. The members of the party, after being hospitably entertained by the Medford Commercial Club, walked to the party Lake. After remaining Medford Commercial Club, walked to the camp at Crater Lake. After remaining several days at that point, the men walked to Klamath Falls, where they were the guests of the Klamath Falls. Commercial Club. Later the party left for Weed, a small town just over the state line. From this point the party started home by train. The members of the party are Physical Director A. M. Grilley, W. J. Blumenschein, Charles H. Marins, William W. Beicher, J. G. Arbuthnot, A. Pfander, E. B. Harley, H. Johannsen, George Sibben and F. W. Nelson.

DEATH OF INVING R. LARIMORE.-Irving B. Larimore, 10-year-old son of Q. W. Larimore, physical director of the Y. M. C. A. died Saturday night at the family residence, 467 East Grant street, after an illness of nearly six months. Young Larimore was born in Dubuque, Ia., and came to Portland with his parents last Sentenber. He was research with September. He was presented with a membership card in the Dubuque Y. M. C. A. when he was but one day old. He C. A. when he was but one day old. He had always shown marked interest in the athletic work of the association and invariably participated in the boys' department symnastim events. The funeral will be held this morning at 10 o'clock from Holman's Chapel, under the direction of Dr. Benjamin Young of the Taylor-Street Methodist Church. The Interment will be in Riverview Cemetery.

W. M. Ladd. administrator of the A. H.

W. M. Ladd, administrator of the A. H. Johnson estate, has sold the Yamhili County property under order of the County Court, but will continue to receive bids for the properties in Multnomah and Washington Countles until August 35,

MINISTER ACCEPTS CALL-Rev. Harry Leeds of Payette, Ionio, who has accepted a call to become pastor of the Mispah Presbyterian Church, Powell street, will enter on his work at that church September 5. He is recommended

as an able minister. CLIFFORD'S ORCHESTRA, of Portland will close a very successful season of ten weeks at Newport on September I. Mr. Clifford will resume teaching on September & 375 Alder at.

SARGENT at Senside House. Open till Oct. 1. \$2.50 per day. Make reservation for September now, Few good rooms left.\* FOR RENT.—A few nice offices in The Oregonian building. See Superintendent,

SPECIAL TODAY AT DRESSER'S.—Choco-late eclaires filled with whipped cream, 35 cents dogen.

ESTABLISHMENT MAX, 415 Washington closing-out rale will continue a few days. DR. J. H. MCARTRUR, A. B., office 1121 Union ave. N., Woodlawn 372, C 2159. EYSSELL'S PHARMACY, moved to 289 Mor-ison st., between 4th and 5th.

DR. E. C. BROWN, ETE, EAR; Marquam. Dr. Fred Gullerre has returned. \*

## ORPHEUM'S PLAYERS DINE

John Considine Entertains Actors and Actresses at Hotel.

Twenty-four persons assembled in the private supper-room at the Oregon Hotel yesterday afternoon as the guests ments for ladies, 355 Wash, near Fifth.

Orpheum programme.

There was an elaborate dinner, beginning at 5 o'clock, and when coffee was served Frank Coffinberry thanked the members of the vaudeville profession present on behalf of the host, Mr. Considine, who was unable to be in Portland to meet them personally. He said the success attending the opening week was due to the excellent work done by the artists under a regrettable handleap—work that was deeply appre-ciated by the public, by Mr. Considine, by M. Sutton and by every one else connected with the Orpheum enterprise. Councilman Baker remarked, when called upon for a speech, that for years he had made a practice of attending an Orpheum show whenever possible and when he could get a night off from his

own shows, and was never disappointed with the entertainment.

The "show people" spent a couple of hours most happily and entered into the spirit of the occasion with great enthusiass. Merry quips, goodnatured hadinage and bright, witty conversation made the gathering resemble a big fam-ly dinner party rather than anything formal. When the callboy appeared on the scene there was regret that the cur-

present at the dinner were: Mr Those present at the dinner were: Mr. and Mrs. James H. Errickson, Janet Melville, Evic Stetson, Argyle Gilbert, Frank Denithorne, Nella Walker, Wilbur Mack, Al Cunningham, Mr. and Mrs Zeno, Sadie Sherman, Harry Clifford, C. N. Sutton, Mr. and Mrs. Frank Cof-finberry, G. Grais, Wallis Burke, Frances Zeno, Mr. and Mrs. Gus Jordan, W. P.

CLOWN ACTS FEATURE OF SHOW THAT COMES TOMORROW.

Sixty Merry Mummers With Barnum & Bailey Are Carefully Drilled in Their Parts.

Speaking of the clown, Victor Hugo said: "He could make them laugh, and, as we have said before, to make people laugh is to make them forget what a enefactor to humanity is he who can estow forgetfulness."

Realizing the potency of humor as factor in entertaining the public, the Barnum & Balley Greatest Show on Earth management is making a feature of panomimic clown work this season, and t that end will introduce a regiment of funmakers in the arenic performances to be given here tomorrow and Wednesday. Sixty merry munimers constitute the clown quota, giving promise that there will be something doing all the while in

the way of joyous merriment.

No longer can the clown depend on song and sally, for he can't be heard, but the and solid as a hard-surface pavement. It is rounded out to the center and is one of the finest pieces of roadway that can cudgels his brains for things to take their place. The three rings and a platform have made clowning a compileated busi-ness for him.

Now that he can no longer talk,

has to be everything except a talker. He has to be an artist in makeup, an acrobat, an equestrian, a pantomimist, a musician, a gymnast, a lightning change artist. a gymnast, a lightning change artist. Now that furmaking appeals almost entirely to the eye, each of the 60 clowns with the Barnum & Bailey circus has to work fifty times as hard, at the very least, as the old-timer of the one-ring circus and the one makeup. The clown "act" is the feature of the new estate.

The clown must make up in character, A coating of bismuth, a dab of bright red here and there, a Pierrot cap over his ears

here and there, a Pierrot cap over his ears and a ruffle around his neck won't do now. He has to make up as the dude, as he countryman, as the as the organ-grinder, as the fat police-man, as the lean yokel, as Mary Ann on her afternoon out—and when he has made

up he has to act his part.

The clown act is carefully planned in detail as the vaudeville turn; each turn has its cast of from two to three dozen people, and it is rehearsed with all the seriousness of an act from "Hamlet." The way it "goes" is watched with as much anxiety as if a dramatist's fame depended on it, and it is trimmed into shape by the approval or disapproval of the public after the fashion, if not with the same delicate art, as a comic opera. p he has to act his part.

## FANTAN PLAYERS CAUGHT

Fourteen Chinese Gamblers Arrested in House Near Police Station.

Fifteen almond-eyed gamblers gathred at 80 Second street last night, and sentries were posted at points nearby. One lookout stood directly in front of the entrance to police headquarters, for No. 80 is diagonally across the street from the Second and Oak cor-

Other sentrius were stationed at various places, but the one near the aroused the suspicions of Patrolman Wauless. He looked nerv-ously at the door of his place so often that the officer also began to look in that direction and saw various Celestials congregating. From every street-car that pansed Chinese alighted and entered. Wanless called Detectives Kay and Kienlan and the three entered. swooped No. 80. There they found a fantan game in full operation. Fourteen alleged players were arrested and one escaped. The prisoners were held in the sum of \$20 each, and ball was provided quickly by one of the leaders of the tong of which they were mem-

## PERSONAL MENTION.

Mrs. Henry Hall Johnson, with her two little sons arrived in Portland to-day. She will spend a few weeks with her mother, Mrs. Julia La Barre, at 1189

Miss Judith Joy, daughter of Allan R. Joy, of Portland, who has been spending the Summer with friends in Seattle, will return home today. Mrs. Ross T. Hickcox, of Los Angeles,

who is spending the Summer visiting friends in Portland, will return to her ome in September.

## DRESS GOODS SALE.

A great sale of high-grade black and colored dress goods today at McAllen & McDonnell's. Buy your new Fall dress materials now and save money. All sales for cash only.

## FIR CORDWOOD.

First-class four-foot wood at a saving gice. Immediate delivery. Oregon Fuel Company, 332 Aider st. Main 65, A 1665, \*\*

## WHERE TO DINE.

CAREY TO ACT FOR OREGON

Other Delegates From This State Will Participate in General Sessions and Consider Reforms in Judicial Procedure.

Judge Charles H. Carey, of Portland, on uniform state laws, of the American Bar Association, which will meet at Seattle in annual convention tomorrow The work of this committee is exceed ingly important from the fact that it will devolve upon its members to sug-



different commonwealths represented as will result in closer uniformity. While this committee is clothed with no greater authority than to offer recommendations to the National organization it is a fore-gone conclusion that whatever suggestions of reform are made by this com-mittee will be laid before the next sea

sions of the Legislatures of the states where particular reforms are needed May Simplify Divorce Laws.

One of the greatest problems with which this committee will have to wrestle will be the hopelessly entangied and intricate divorce laws of the different states. It is a notorious fact that the divorce laws in this country are of nore colors than "Joseph's Coat," that they are wholly inconsistent, that they are in almost every case entirely too lax, that loop-holes which exist in the codes of one commonwealth will allow mismated couples of another state to sunder gailing bonds which would hold them together interminably in the state where the marriage was performed. Radical reforms in insurance laws and

also Government stock certificates will also be considered by this committee during the four days' session at Seattle, and from opinions expressed by a number of delegates of the Oregon State Bar Association and the Multnomah

result of this year's convention.

The most important business before the convention will be the discussion of reland. C. N. Sutton, resident manager;
James H. Errickson, of the Grand theater; Frank Coffinberry, press agent,
and George L. Baker, chairman of the
Portland Theater Managers Association,
greeted the members of the profession
who had taken part in the first week's
Orpheum programme.
There was an elaborate dinner, beginning at 5 o'clock, and when coffee

Bar at Seattle.

convention will be the discussion of reforms in judicial procedure, having for
their object the simplification and expediting of the trial of criminal cases
and the advancing of appeal cases. It
is generally admitted that the states of
the Union are under an extravagant
expense because of the complicated system, or lack of system, of procedure in
adjudicating matters of the kind mentioned, and it appears that the delegates tioned, and it appears that the delegates pinion that squething must be done to rescent further cluttering of the orim-inal calendars of the state courts, and it is, announced that an endless array of salutary reforms will be proposed to the National Commission on Uniform Laws which has been in session for several days at Seattle siready, and will continue in session until the final day or so of the gathering.

This National commission has no au tions to the association, which in turn will recommend the drawing of bills for presentation to the Congress of the United States at its next regular ses

The Oregon State Bar Association will represented by three delegates homas O'Day, C. E. Welverton and E. S. Wood, appointed by the presi-C. E. S. Wood, appointed by the president, while a large number of informal delegates are planning to go. The same is true of the Multinomah County Bar Association. So far as can be ascertained, there will be about 35 or 40 members of the association attending from this state, the list including: Attorney-General A. M. Crawford, Judge C. H. Carey, D. Solis Cohen, John M. Gearin, Thomas G. Greene, W. D. Fenton, W. C. Bristol, R. R. Duniway, W. Cotton, F. W. Mulkey, H. H. Emmons, C. M. Idleman, A. E. Clark, G. C. Moser, J. F. Logan, J. Couch Flanders, F. V. Holman, S. B. Linthicum, Harrison Allen, C. J. Schnabel, L. R. Webster, Alexander Bernstein, T. Cleeton, A. P. Tifft, R. W. Montague, Dan J. Malarkey, Hilton Schwartz, W. Minor J. Malarkey. Hilton Schwartz, W. Minor, E. T. Taggart, John K. Kollock, James Gleason, Martin L. Pipes, Jerry Bronaugh, Phil Herz, C. W. Petrain, Arthur, Langguth, Seneca Fouts, George Singleton, H. B. Adams, C. A. Bell, Bert E. Haney, A. W. Lafferty and a number

Portland is going over in full strength and will issue an invitation on the floor of the convention to the Eastern delegates to return home by way of this

NEW BLUNKALL STOCK COM-PANY WELL RECEIVED.

Theater Is Packed Matinee and Night at Performances of "Confessions of a Wife."

greeting given the Ervin Blunkail Stock Company at the Lyric yesterday. Two performances of "The Confessions Wife," matines and evening, signaled the opening of the cosy little playhouse at Seventh and Alder for the season of seventh and aider for the season of 1908-09. There was scarcely breathing room at the afterneon show, and hardly an empty seat last night, and the management announced that each was a record-

breaking crowd. For a considerable portion of the greatly strengthened and enlarged company of talented players, it was more of a reception than the sordid witnessing of a hair-raising melodrama. The personal element, the camaraderle, pivoted on the row of footlights between actors and audience, was plainly manifested through-out the performances. But at the same time old faces and new shared almost County Bar Association, who will leave for Seattle this afternoon at 2 o'clock or tonight at midnight, many other Ervin Blunksil. director-manager and



It's not so much what you pay as where you buy that tells the story.

Today here's the opportunity to get a suit with style, quality and durability, in the new Fall shades at \$15.00. See our big window display.



166-170 Third Street

interpreter of heroic parts, blushed, perforce, like a village schoolboy at the greeting accorded him, for his good works of the past were remembered. His appreciation was best displayed in the vigor and intelligence with which he carried his role, a "father" part of the "Shore Acres-Way Down East" sort.

exceptional talent, and a prime favorite of the Lyric audiences of days gone by, deserved her cordial reception, for she displayed marked ability in her emotional scenes and sustained with fine consistency the melodramatic climaxes with which The Confessions of a Wife" is replete.

feminine role, needs no introduction. Her splendld talent as exhibited during the long run of the R. E. French company at the Star last year is fresh in the minds of the patrons of that playhouse, of whom there seemed to be a goodly representa-tion at the Lyric yesterday. Though her talent follows entirely different lines. Miss Davis suggests Eugenie Blair, whom Eastern showgoers recognize as one of the most resourceful and versatile emotional stock actresses of recent years.

Another storm of applause broke loose when Mamie Haslem, that wonderfully gifted little sprite, whom every patron of the Baker Theater loves, made her first entrance, and the same can be said of that mothely soul, Lillian Griffith, whose feet have often trod the Lyric boards

Of the new people. Allen Lewis, as the country bumpkin, and Elia Heasilt, as "de tough goil," were instantaneous hits. Their team work was a revelation to patrons of the house. Ermin Seavey, cast for the juvenile parts, has an indifferent role, this week, and there is little op-portunity for judging his histrionic ability. It must be said that for a premier and for a season "opener" things went much better than could have been reasonably

# Warda Howard, a leading woman

Dorothy Davis, cast for the "heavy

Gresse paints and professionals' supplies at Woodard, Clarke & Co.

## THE CANADIAN BANK OF COMMERCE

GENERAL BANKING BUSINESS TRANSACTED

TRAVELERS' LETTERS OF CREDIT ISSUED, available in every country. These Letters form the most convenient method of providing money when traveling, as the holder can draw whatever sum is required, without difficulty or delay.

SAVINGS DEPARTMENT Interest paid on undisturbed monthly balance, credited semi-annually,

Portland Branch.

\* F. C. MALPAS, Manager.

# There Is Only One ()rcgon ifc and That Is

THE POLICYHOLDERS' COMPANY

A. L. MILLS,

L. SAMUEL, General Manager. CLARENCE S. SAMUEL, Assistant Manager.

Home Office: Corbett Building, Cor. 5th and Morrison Sts., Portland. Or.

Orcgon Life Has No Other Name Has No Other Business Than the Insuring of Lives on Terms Most Favorable to the Policyholder.

Which Confines its Business Exclusively to "Healthy Oregon" and Makes all of its Investments in "Purely Oregon" Securities.

THAT'S WHY

Results to Orcgon ifc Policyholders are so Satisfactory

THAT'S WHY Ircgon ifc is best for oregonians

We Want Your Account

We are careful with any business entrusted to us. Our record for conservatism in the past is our best guarantee to you for the future.

RESOURCES OVER FOUR MILLION DOLLARS

We have a new plant, modern in every detail, and do all kinds of highgrade Commercial and Book Printing. If you appreciate good printing at a reasonable price, give us your next order

A. E. Kern & Co. Second and Salmon Streets Telephones: Main 5637; A 2686

Fred Prehn, D.D.S. \$12.00 Full Set of Teeth, \$6.00. Crowns and Bridge-work, \$3.00. Room 405, Dekum. Open Evenings Till 7. WOOD C

Schwab Printing Co. BEST WORK. REASONABLE PRICES 247% STARK STREET

FOR TOILET AND BATH It makes the toilet something to be enjoyed. It removes all stains and roughness, prevents prickly heat and chading, and leaves the skin white, soft, healthy. In the bath it brings a glow and exhibaration which no common soap can equal, imparting the vigor and life sensation of a mild Turkish bath. All Grocers and Druggists.

any loss of time, and one that is followed by no bad results, use

Chamberlain's Colic, Cholera and Diarrhoea Remedy It never fails and is pleasant to take. It is equally valuable for children. It is

the civilized world.

famous for its cures over a large part ci

Pianos for Rent and sold on easy payments. H. SINSHEIMER, 72 THIRD ST.