SUNDAY SERVICES IN THE PORTLAND CHURCHES

First, the White Tempie, Twelfth and Taylor streets, J. Whitcomb Brougher, D. D., pastor-Morning worship, 19:20, sermon by the pastor on the subject, "What is Christmas to You?"; Bible school, 12:30 P. M., bright exercises and music by orchestrs; Young People's meeting, 6 P. M., leaders, W. P. Baker and Guy Davis, Popular evening service, 7:20 o'clook, There will be baptism at the opening. Dr., Brougher will preach on "The Mother-in-Law in the Home," being the eighth sermon in the series, "How to Be Happy Though Married." Music is to be a special feature of all the services. cial feature of all the services.

Catholic.

Pro-Cathedral of the Immaculate Conception, Fifteenth and Davis streets, Most Rev. A. Christie, D. D., pastor-Masses at 6, 8, 9 and 11 A. M.; evening service

St. Patrick's. Nineteenth and Savier streets, Rev. E. P. Murphy, rector-Masses at 8 and 10:30 A. M.; evening service

St. Lawrence's, Third and Sherman streets, Rev. J. C. Hughes, rector—Masses at 7, 9 and 10:30 A. M.; evening service

St. Joseph's (German), Fifteenth and ouch streets, Rev. P. E. DeRoo, rector Masses at 8 and 19:30 A. M.; evening

Michael's (Italian), Fourth and Mill streets, Rev. A. Cestelli, rector-Masses at 6:30 and 5 A. M.; evening service at 7:30 Christian.

First, Park and Columbia streets, E. S. Muckley, minister—Christmas themes: At 10:20 A. M., "God With Us"; 7:20 P. M., "Peace Through Conflict"; Bible school at 12:35 P. M.; Christian Endeavor at 6:20

Christian Science.

First Church of Christ, Scientist-Scotrish Rite Cathedral, Morrison and Lowns-dale streets—Services, Il A. M. and 8 P. M.; subject of sermon, "God"; Sunday chool at close of morning service. Second at close of morning service.

Second Church of Christ, Scientist, Auditorium building, Third, between Taylor and Salmon streets—Sunday services, 11

A. M. and S.P. M., subject, "God"; Sunday school, 11 A. M., in the reading-rooms; Wednesday meeting, S.P. M.

Congregational.

First, Madison and Park streets, E. L. House, D. D., pastor-16:20, service with a Christmas sermon; 7:20 P. M., a Christmas service; Sunday school, 12:15 P. M., C. O. Mikle, superintendent; Y. P. S. C. E., 6:20 P. M., Harry Harvey, Sr., leader.

Divine Truth Center.

Divine Truth Chapel. Thaddeus M. Minard, pastor, hell 201 Alisky building, corner Third and Morrison streets—Services, 11 A. M.; services Thursday, 8 P. M. at the home 282 Eleventh street.

Episcopal.

Trinity. Nineteenth and Everett streets, Dr. A. A. Morrison, rector— Holy communion, S. A. M.: Sunday school, 9:30 A. M.; morning prayer, 11. Instead of the usual evening service on Christmas eve. hely communion at 11:36 P. M. with music especially composed and arranged for men's voices by Carl Denton, Christmas day. mmunion, 5 A. M.; choral com-and morning prayer, 10:30, itepheus, Thirteenth and Clay St. Stephens, Thirteenth and Clay streets, Rev. H. M. Ramsey, priest in charge—Holy communion, 7:20 A. M.; Sunday school, 5:45 A. M.; morning service, 11 o'clock; evening service,

All Saints', Twenty-second and Reed, Robert Hope, Ph. D. D. D. pas-Sunday services at 11 A. M. and P. M.: Christmus morning at 10 clock for Sunday school and congre-

key building, Second and Morrison streets, Rev. W. R. Powell, chaplain-Service and sermon, 11 A, M, St. Matthew's, First and Caruthers streets, Rev. W. A. M. Breck in charge

Service and sermon, 11 A. M.; Sunday school, 9: 45 A. M. Christmas day, ommunion, P A. M.; holy commu-ed sermon, 13:50 A. M.

A. M. Christmas programme by the Suaday school, 7:30 P. M.; worship and sermon on Christmas day, 10:45 A. M. Latter-Day Saints. The Reorganized Church of Jesus

Christ of Latter Day Saints meets for Sunday services in Woodward Hall thret floor), Mongavilla, as follows: Sabbath school 10 A. M.; preaching, 11 A. M. and 7:30 P. M., Zion's Religio-Literary Society meets at 6:15 P. M. The public is cordially invited to attend

here meetings. Lutheran.

Zion's German, corner Chapman and salmon streets, W. H. Bebrens, pastor-Services at 10:15 A. M. and children's Christmas service at 7 P. M. On Christmas day services at 10:15 A. M. and 7:45 P. M., the latter to be conducted in English. Sunday evening services in English. which have been held every two weeks during the past four months, will be con-tinued in the coming year. sed in the coming year, orwegian, 45 North Fourteenth street,

Norwegian, to North Fourteenth street, Bev. J. M. Nervig, pastor-Services Sun-day at 11 A. M. and Christmas day at 11 A. M. and 8 P. M. The Ladies Mission Society will meet next Wednesday after-neon with Mrs. Nelson, 44 Thirteenth

Methodist Episcopai.

Taylor-Street, Dr. Francis Burgette Short, pastor-9:30 A. M., classes; 10:30 A. M., morning sermon; subject, "The In-carnation"; 12:15 P. M., Sunday school: 6:30 P. M. Epworth League, subject, "A Christmas Gift to the Christ": 7,28 o clock, evening sermen, subject, "Christ-mas Lesson": Portland's greatest chorus

wichock, evening sermon, subject. Unristmas Lesson"; Portland's greatest chorus
will sing Handel's "Messiah."
Epworth, corner Twenty-third and Irving streets, Henry T. Atkinson, pastor,
residence, 806 Thurman street-Sunday
school, 10 A. M.; sermon by pastor, II A.
M. on "God's Christmas Message"; Junior League, 5 P. M.; Epworth League,
8:20. At 7:20 there will be a special servfee with special music and addresses from
T. S. McDaniel and others. All welcome.

M. E. Church, South.

Pirst, 17th Second street, Forester's Hall, E. H. Mowre, pastor-30 A. M., Sunday school; Il A. M., Christmas sermon; 12:15, church conference; 7:30 P. M., the Sunday school will render a Christmas programme.

Millennial Dawn. G. A. R. Hall, northeast corner Second. and Morrison streets-Services at 2:30

"Going Into the Silence. What is it?" Preaching at it A. M. and 7:6 P. M.; sub-And Where Do We Go?" Messages by Sect at II, "Where is He?" At 7:6, "The Mrs. Sophia B. Selp. Good music. Prog-Greatest Pearl Flabery in the World." Sunday school at 10 A. M.; Y. P. A. at

Spiritualist.

The First Spiritual Society meets in Artisans' Hall, Third street near Washington. Conference at Il A. M.; Young People's Musical and Drumatic Club at 220 P. M.; at 8 P. M., lecture by W. J. Raslin on "The Mission of Jesus the Christ." Mrs. Schafer will follow with spirit messages.

spirit messages. Bible Spiritual Society, 35 Alder At Il A. M., conference; S.P. M., lecture by Mrs. Elizabeth Craig on "Home and the Christmas Time," followed by spirit messages by Mrs. Wilson.

Swedenborgian.

New Church Society-Sunday school, 10:30 A. M.; iny services, 11:30 A. M.; Knights of Pythias Hall, Marquam

Association Auditorium, Fourth and Yambill—At 2 P. M., address by E. S. J. McAllister, attorney at law, on "The Coming Revival"; special music-half-hour concert by association orchestra, so, prane soles by Miss Eula R. Bennett. All men welcome. Seats-free.

Zion.

Christian Catholic Apostolic Church Zion, Allaky Hall, second floor, Morrison near Third, Rev. John Alexander Dowle first apostle; Rev. Charles A. Hoy, elder In charge—? P. M., Bible Study; 3 P. M., theme, "The Happy Song of the Angelle Host at the First Christmas Morn"; 7.3 P. M., "Children's Service," and addresses appropriate to Christmas.

EAST SIDE.

Baptist.

Second, East Seventh and East Ankeny Rev. Stanton C. Lapham, pastor-Services at 18:30 A. M. and 7:45 P. M.; the theme of the day's services will be 'The Naming of the Christ Child'; morning service, 'Emmanuel'; evening service, 'Jesus.' In the evening toe Sunday school and choir will take part in the following Christmas song service, ar-ranged by J. F. Bamford, organist and director; song and chorur. University Park, Rev. John Bentzier,

University Park, Rev. John Benther, pastor-Sunday school, 10 A. M.: presching, II A. M.: "Peace on Earth": 7:39 P. M.: "No Room for Jesus."
St. Johns, Rev. E. A. Leonard, pastor-Sunday school, 10 A. M.: preaching, II A. M. and 7:39 P. M.
Sellwood, Ninth and Umatilia streets, Rev. George A. Learn, pastor-At 10 A.

Rev. George A. Learn, pastor—At 10 M., preaching, 11 A. M. and 7:20 P. M. Central, East Ankeny and Twentiet Preaching, 10:20 A. M. and 7:20 P. Sunday school, 12 M.
Arlets M. E. Church-Preaching at 3 P

M. by Rev. A. Lawrence Black, of Calvary Baptist Church.
Second German, Morris and Rodney—Rev. F. Busermann, pastor—Presching, 11 A. M. and 7:26 P. M.; Sunday school, 2:45 A. M.; B. Y. P. U., 6:45 P. M.

Catholic.

St. Francis, East Eleventh and East Oak streets—Masses, 6, 820 and 10:20 A. M.; evening service at 7:20; Rev. James H. Black, rector. Immaculate Heart of Mary. Williams

avenue and Stanton street (Albina), Rev. William A. Daly, rector-Masses, 6, 8, 9 and 16:30 A. M.; evening service, 7:30, Sacred Heart, 82 Milwaukle street, Pather Gregory, O. S. B., rector-Misses at 8 and 19:30 A. M.; evening services at

1.20 o'clock.
Holy Cross, University Park, Father
Thillman, C. S. C., rector-Masses at 8 or—Sunday services at 11 A. M. and Thillman, C. S. C. rector—Masses at 2 and 10:20 A. M.: evening services at 7:20.

Most Precious Blood, Montavilla, Rev. A. L. Brosseau, rector—Sunday mass at 5. A. M.: Sunday school at 10 A. M.: vesper and benediction at 2:20 P. M.: first Sunday adoration; week days, mass at 6:20 A. M.: evening devotion, 7:45.

Most Holy Bossay, Fast Third and

Most Holy Resary, East Third and Clackamas streets, Very Rev. A. S. Law-ler, superintendent-Masses at 6, 7, 8:20 and 30:30 A. M.: rosary and benediction, 7:30 P. M.

Christian

First German, corner Tenth and Clay streets, Theodore Schauer, pastor—Sunday school, 9:30 A. M.; sermon, 16:45

A. M. Christians and Saimon—Emmanuel They Shall Call His Name Emmanuel Top P. M., "From Manger to Theodore Schauer, pastor—Sunday School, 9:30 A. M.; sermon, 16:45 Throne"; Sunday school, 10 A. M., C. T. Saling, superintendent; Junior Endeavor, 2:30 P. M.; Senior Endeavor, 6:30 P. M.

Church of God.

Chapel, 40 Hawthorne avenue, Elder G. T. Neal, pastor-Services, 2:36 and 7:30 P.

M.; Sunday school, I. P. M. Congregational.

Sunnyside, East Taylor and East Thiry-fourth streets, Rev. J. J. Staub, pastor-Morning service at 11 o'clock, subject of sermon, "The Message of the Star"; eve sermon, "The Message of the Star ; evening service at 7:20 o'clock, consisting of a sacred concert by the choir and a short sermon by the pastor on "Christmas Joy"; Sunday school, 19 A. M., S. C. Pier, superintendent; Junior Christian Endeavor, 2 P. M., Miss Edith Roe, superintendent; Senior Christian Endeavor, 6:15 P. M.

aic and a short address by the pastor.

Hassalo-Street. East Seventh street
North and Hassalo, Rev. Charles E. Chase

St. David's, East Twelfth and Morrison streets, Rev. George B. Van Waters, D. D., rector—Sunday school, 9:45 A. M.: morning prayer and sermon, 11:30. The usual evening service omitted. Christmas Eve celebration of the holy communion, 10:6 P. M. Service sung by choir and men's voices. The services of Christmas day will be as follows: Holy communion S. A. M.: holy communion and sermon, 10:20 A. M.: the primary department of the Sunday school will have a Christmas party in the parish-house Tuesday, De-

JUST COMPLETED AT A COST OF \$10,000



METHODIST CHURCH AT UNION, OR., AND ITS PASTOR, REV. J. C.

UNION, Or., Dec. 26.-(Special.)-Bishop David H. Moore, presided, Sur morning at the dedication of the house of worship just completed by the members of the First Methodist Church. The building is constructed of brick and cost \$10,000, and is the finest church building in Eastern Oregon. The entire cost of the building was fully paid before the dedication. Much credit is

Ninth streets, William H. Heppe, D. D., pastor—All services of the day will be in keeping with the Christmas spirit. At 10:30 A. M., sermon theme, "From Man-ger to Universal Empire"; in the evening there will be special musical numbers, with sermon by the pastor on "Rethle-hem". hem's Miracle and Our Modern Age: A Study of the Incarnation in the Light of Present-Day Thought." Morning class, 9:36; Sunday school, 12:15; Juniors and Intermediates, 4 P. M.; Epworth League devotional, 4:68 P. M. Chorus choir. University Park-Preaching, 11 A. M., by the pastor, Rev. D. A. Watters; morning topic, "The Christ of the Heart"; evening address by Miss Mary Brown, evangelist; Sunday school, 16 A. M., W. J. Peddicord, superintendent; class meeting, 12:36 P. M., P. J. Sharp, leader; junior league, 3 P. M., Mrs. George Ellis, superintendent; Intermediate League, 4 P. M., Mrs. E. Bowman, superintendent; Senior League, 6:30 P. M., Miss Grace Gilliam, president. tem's Miracle and Our Modern Age: A

Miss Grace Gilliam, president. Sunnyside, on Yamhill street, between East Thirty-fifth and East Thirty-sixth, T. B. Ford, pastor; take Sunnyaide car; parsonage, 186 East Thirty-fifth street; pastor at home Thursday afternoons— 10 A. M., Sunday school, Charles A. Gatz—school, 10 A. M., Sanday school, Charles A. Gaile
Ra, superintendent: II A. M., preaching
by the pastor, subject. "Motiver in Seek
ing Christ": I2 M., class meeting, J. B.
Kelley, class leader 2:20 P. M., children's
classes and Junior Leagus, Mary Shaver,
leader and superintendent; 6:15 P. M.,
Epworth League devotional meeting, Max

Epworth League devotional meeting, Max

Christmas music by the choir, Rev. Marcotte will preach Christmas morn ing.
Sellwood. Rev. D. A. Thompson, par

tor-On Sunday evening the Sunday school will give an entertainment and choir will render some special music Presents for the poor and for familie where Christmas does not come in the usual way will be remembered. United Evangelical.

First, corner East Tenth and She man street, Rev. A. A. Winter-Sunday school, 10 A. M., C. A. Stover, superintendent; Christmas sermon, 11 A. M.; 6:20 P. M., K. L. of C. E. meeting; 7:23 P. M., Christmas entertainment; pro-gramme of recitations, exercises and

Second-Fargo and Kerby streets, Rev. J. Bowersox, pastor-Preaching, 11 A. M., on "The Christmas Idea"; at

SEARCH FOR BEAUTIFUL!

Unclean Mind and Matter Make a Bad Temple.

Suggestion Many women have an idea that to fol-low a daily regime looking toward physical development is a waste of time; that to take thought of what they eat is P. M.

Highland, Prescott and East Sixth street
North, Rev. Arden M. Rockwood, pastor10 A. M., Sunday school; 11 o'clock, morning service, with 'special music for Christmas; subject of sermon, 'The Manger of
Bethlehem: a Glimpse From Above;'
Junior Endeavor, 2 P. M.: evening service, 7:20 o'clock, a Christmas antiphonal
service: responsive music by two choirs;
evening address on 'The Manger of Bethlehem; a Glimpse From the Earth.'
Mississippi-Avenue, Mississippi avenue
and Fremont street, Rev. William L. Upshaw, pastor—Sunday school, 19 A. M.;
morning worship, 11 o'clock, 'The Day
Spring'; Christman Endeavor, 8:20; special
Christmas programme, beginning at 7:20,
consisting of vocal and instrumental muaic and a short address by the pastor.
Hassalo-Street, East Seventh street

Hassalo-Street, is as Yearshat to take thought of what they eat is
sacrliege; and so even go to the extreme
of believing that any effort on their part
to improve the body is a tacit acknowlto improve the body is a tacit acknowlto improve the body is part to improve the body sport. Therefore
what ye sat or whatsoever ye drink, do
it as unto the Lord.'' God's work is always perfect. It is woman who cramps,
dishgures and distorts her body by searing cornets, long and heavy skirts, tight
bands, high' collars, close and ill-fitting
ye od doing she is perverting the work
of the Almighty. She not only injures
her own body, but the bodies of individuals of future generations, and that
which is injurious to the body is huriful
to the mind as well, even limiting to a to the mind as well, even limiting to a remarkable degree the spiritual development. As water is contaminated by a muddy vessel, so are mind and spirit made uniclean and impure by a diseased body. Thus woman should realize that she owes it to herself and to all those with service, with sermon by Rev. A. M. Rockwood.

St. John's. Woodmen's Hall—5 P. M. service, with sermon by Rev. A. M. Rockwood.

Episcopal.

St. David's Basi Twelfth and Morrison streets, Rev. George B. Van Waters, D. D. rector—Sunday school 2 % A. M. morning prayer and sermon, 1150. The insual evening service omitted. Christmas Eve celebration of the holy communion, the cleanliness, the sweetness. to the mind as well, even limiting to calmness, the hopefulness, the awestness and sanctity of her inner being. "The only such a woman who may hear the right to be called beautiful."

G. A. R. Hall, northeast corner Second and Morrison streets—Services at 2.29

P. M.

New Thought.

The Church of New Thought meets in Drew Hall, 16: Second street, corner Morrison, at 11 A. M.; subject of address. The Christmas ledea According to New Thought." All progressive people invited.

Presbyterian.

Cavalry, corner Eleventh and Cay streets, Rev. W. S. Gilbert, pastor—Services, Rev. W. S. Gilbert, pastor—Services, Rev. W. S. Halt, D. D., will preach; evening, Rev. J. V. Milligan, D. D. Choir under direction of H. V. Milligan, organist.

Fourth, First and Gibbs—Preaching at 19:29 A. M. by Rev. Murdock Robertson.

The spirit of Truth.

The spirit of Truth.

10:29 A. M.; the primary department of the Sunday school will have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christman free Mill have a Christmas free will be held on Thursday evening. December 28, at 7:20. Thristmant free Mill have a Christman from free Mill have a Christman from The spirit of Truth Society holds Sunday service. 7:6 P. M., in Drew Hall, 163
Second street, near Morrison. Subject, Market streets, S. A. Siewert, pastor—

greater.

WOMEN'S HOTEL WORK.

Many Positions Pay Fairly Well and

Leslie's Weekly.

The employes in the linen-room in a big New York hotel receive \$30 a month, with room and board, and their hours are well regulated, in most of the large hotels. The parior maid or maids come next on the salary list, with \$18, room and board, and the tips often bring this sum up to \$30 or even \$50. The maid's duties are to bear the parior was a sum of the parior was a s keep the parior swept and dusted and her-self tidy and ready to attend the women guests who desire her services. The chambermaids, bathroom girls

paint cleaners and scrubwomen (of when paint cleaners and scrubwomen (of whom every hotel employs a small army) each receive \$11. The work of the two last named is distinctly different. A scrubwoman would not think of cleaning paint and a paint cleaner would feel that she was demeaning berself in scrubbing the floor. Throughout the house the question of social distinction is argued, the maids believe these themselves. feeling above the bathroom girls, the par-lor maids above the other maids and the lineu-room girls above the parlor maids, and so on. Human nature is much the

same the world over.

In the parlance of hotel employes scrubwomen are known as "soubrettes," the chambermaids are the "chorus," while the parlor maids are called "show girls." The "soubrettes" begin their work at loclock in the morning and do not finish until about 5. They scrub the floors and go throughout the house with source with enough care to indicate whether they rest on good authority. Details are occasionally considered with a view to ascertaining if test conditions throughout the house with soap and hot water. At the Hotel Victoria (the exception among the various hotels mentioned) the employes are permitted to enter the help's dining-room at any time of unch-a system which has much to do with the contentment reigning among the employes of this establishment. The cost is only a trifle, and although the plan has been in operation for some time, those who enjoy its advantages do not abuse it.

MADE HIM TAKE THE TRAIN

Landlord Wouldn't Allow Drummer to Change His Mind.

Washington Post.

"Some years ago when I was a knight of the grip' I was witness to a scene between the proprietor of a small tavern in an out-of-the-way town in West Virginia, and a fellow drummer that still atrikes; me as a supremely ludicrous happening," remarked George L. Avery of Chicago at the Raleigh. "There was only one train a day out of this burg, and it left at the hour of 4 A. M.

"This drummer and I had to occupy the same room. I was going to remain over, but he wanted to catch that train, and I heard him cautioting the landford by all that was sacred not to fall to wake him in time to make the station. He said that failure on his part to leave that morning

AND CHURCHES

Preaching at 11 A M. and 7:46 P. M.; subject at II, "Where is He?" At 7:46 "The Greatest Pearl Pishery in the World." Sanday school at 19 A. M.; Prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and class may be a school at 10 A. M.; prayer and class meeting Thursday night; Sanday school at 10 A. M.; prayer and pray

TREES' EFFECT ON CLIMATE

down the forests in the mountains, drouths charging to devastating foods are now noticeable, especially in the vicinity of the City of Mexico. In Upper Egypt, where only 190 years ago rain was abundant, drought now usu-ally prevails. In Algeria, where, since the middle of the last century, the for-

the middle of the last century, the for-sets have been cut down on a large scale, dry weather has increased, and in Venezuela, the level of Lake Tacari-gua, to which Alexander Von Humboldt drew attention, has been lowered in consequence of deforestation.

If these and other facts are kept in mind the sentence. "Man traverses the earth and a desert results" is under-stood. It must not be forgotten, how-ever, that this applies mainly to the influence of civilization upon appear-ances and is not always due to climatic changes produced by deforesting. Some 11 A. M., on "The Christmas Idea"; at 7:30 P. M., Christmas exercises by the Sunday school; Sunday school at 10 A. M.; K. L. C. E., 7 P. M. Ockley Green-Sunday school, 2:30 P. M.; preaching by Rev. E. E. Mc-Vicker, 3:20 P. M. On Monday algat Christmas exercises by the Sunday school. in modern times assumed constantly growing proportions for industrial and agricultural purposes, is of universal

agricultural purposes, is of universal importance.

Germany, with a forest area of about 25 per cent, realizes annually nearly \$50.903.000 worth of timber therefrom, walle the wood importations are about of the same value. The consumption of of the same value. The consumption of wood increases from year to year and systematic forestry has not succeeded in keeping up the forest area of Germany. If it is furthermore borne in mind that Canada, which formerly possessed more than 293,009,000 acres of forests, has today only a forest area of about \$225,003,000 acres, it becomes evident that the question of deforestation acres, and importance it official. tion assumes great importance if civilization continues to change the face of the earth the problem of its wood supply will present itself like that of coal and force the finding of a suitable sub-

THE PUZZLING DIVINING ROD

Use of the Instrument in Locating Underground Streams.

New York Tribune.

Accounts of the discovery of subterranean streams, with the aid of a
forked twig, held by a perambulating
explorer on the surface of the earth,
have usually been regarded with skepticism and often with derision. Geologists, engineers and other scientific men have usually laughed at the stories themselves, and pronounced the per-sons who made use of the divining rod conscious or unconscious deceivers. Withtails are occasionally considered with a view to ascertaining if test conditions were imposed on an operator whose feats were described. A willingness to be conwere described. A willingness to be convinced of the genuineness of the phenomenon, if suitable evidence is forthcoming, is thus evinced; and even though no verdict may be rendered, an attitude of serious attention is really a concession.

Engineering News, a technical periodical, whose management is marked by an admirable mixture of independence, judgment and caution, recently reproduced in its news columns a narrative which it found in some foreign publication. Herr Franzius, associate director of important government work at Kiel, Germany, is responsible for the truth of it. The necessity having arisen for more wells at the government work at Kiel, Germany, is responsible for the truth of it. The necessity having arisen for more wells at the navy-yard there, use was made of the services of a diviner named Von Bulow-Bothkamp. First the latter traced for some distance the course of an underground flow which was already known to the engineer in charge, but of which there were no superficial signs. His skill was then tried in another way. Without any intimation of the purpose of the experiment, he was led to and tro over a pipe running horizontally underground from an artesian well, the pipe itself having been cut and plugged some time previously. The diviner could get no hint of water whatever, and for a few minutes it was believed that he was at fauit. Subsequently it proved that the pipe was empty, the well having gone dry. When at length the duty of finding water in a locality where nobody could predict its existence was imposed on Herr Von Bulow-Bothkamp, he succeeded; and he specified the depth at which it would be

found. To his report of the performance Herr Francius adds an expression of con-fidence that "there must be something in the matter."

Many feats similar to those of Herr Von Bulow-Rothhamp are vouched for by

Von Bulow-Bothkamp are vouched for by critical witnesses in this country and in Europe. Whatever interpretation be put upon them, the most careful sifting leaves a considerable residuum of fact. Perhaps the largest collection of these tailes which any one ever made can be found in a treatise by Professor W. F. Barrett, of Dublin, which appeared about five years ago. This writer found it necessary to discredit some of them, for one reason or another, but he found a few which seemed to him to stand critical examination. The suspicion entertained by Herr Francius, one of the engineers of the Kiel navyyard, that "there may be something in the matter," does not, therefore, appear strange.

the matter," does not, therefore, appear strange.

It is worthy of note that the device employed by Herr Von Bulow-Hothkamp was a loop of wire, and not a twig. Though the preference has usually been given to wood, some diviners (or "dowsers," as they are called in England) rely on one kind and some on another. There is no apparent difference in the efficiency of the old favorites, the witch-hazel and the peach tree. Instances are related infections. the old favorites, the witch-hazel and it peach tree. Instances are related, inder in which the discovery was made without a twig at all. Exactly how the unseful operates so as to reveal where it must still be a matter of speculation; hit can hardly be doubted that the su ceptibility to the influence resides in the diviner, not in what he carries in hands. Those who exercise the power a probably not particularity well qualified this minute and make that train or there'll be the devil to pay and no pitch hot. Git up, I say, instanter.

"There was no need for further argument. The logic of the situation was all with the hotel keeper, and the outgoing train carried away a gloomy looking commercial missionary who was swearing under his breath all the way to the station that one West Virginia town had seen the last of him."

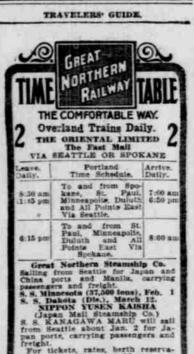
Deforestation Causes Arid Wastes and Sometimes Floods.

Whether forests exercise a perceptible influence upon the climate is an old question, any seven today it is not definitely settled. In many countries a drying up of the climate has occurred which is shown perhaps most strikingly in almost the whole of Africa. That deforesting has assumed constantly growing proportions in almost every part of the world is still more apparent. The climate of Greece, where to day only 16 per cent. of area is covered with forests, has deferiorated. An increase of temperature and decrease of rain are noted, compared with ancient times, especialty in Attlea, which was thickly covered with forests about 2600 years ago, and where hardly any rain now falls, while the heat in the open air attains a degree which would make the Clympian games almost an impossibility.

A similar condition exists in the pentium of Sinai, where thousands of years ago the people of Israel lived in a luxuriant and fertile country and where today only foresties abound. Palmyra, also once a flourishing oasis in the Syrian desert, presents today only a desolate waste of stones and rudns.

In Mexico, where the Spaniards cut down the forests in the mountains, drouths changing to devastating floods are now noticeable, especially in the vicinity of the City of Mexico. In 170, and 170

The commercial (market) value of the rail roads of the United States is \$11,250,000,000 Pennsylvania states Pennsylvania stands first in railroad property, having \$1,435,000,000. New York is second with \$860,000,000, and fillinois third with \$800,000. 000. Ohio is fourth, Minnesota fifth.



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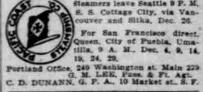
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