### ROGUE RIVER COURIER, GRANTS PASS, OREGON SEPTEMBER 18, 1908.

# TAKING AN INVENTORY **OF NATION'S RESOURSES**

Large Corps of Experts at Work in the Field Compiling Statistics,

The government bas had a corps of investigators, statisticians, experts and scientists 'at work all summer taking an inventory of the natural re-taking an inventory of the natural re-sources of the United States. In-quiries have been sent out by the thousand from all the government offices at Washington, special agents are in the field, to government sta-tions here and there, to township as-sessors, to manufacturers, to lumber dealers, to railroad and steamboat companies and to farmers. The chiefs dealers, to railroad and steamboat companies and to farmers. The chiefs of the government bureaus have been wanting to know about lands-farm lands, timber lands, mineral lands, about crops and crop production; about swamp and overflow lands; about irrigation; about navigationhow far the use of our inland waterways has decreased and the reason for he decrease ; the cost of water traffic as compared with railroad rates; the use of water power and its possibilities; about all phases of the forests and lumber; about how much of minerals we have left and the probable duration of the mineral supply,

ble duration of the mineral supply, and about livestock and game and fish. The work taken up by Federal gov-ernment has aroused the interest of

the various states and state commis-sions are reporting to the national tablish claim to the land above desions are reporting to the national conservation commission at the rate of ceiver, at Rossburg, Ore., on the 28th three or four a week and large day of October, 1908. national organizations are rapidly Claimant names as witnesses: national organizations are rapidly coming forward with conservation committees of their own. The conservation movement may be said now to be firmly established. All the government bureaus are rapidly pushing work on the inventory of resources in order that a preliminary report may be made to the national conservation commission at its meet-MALINDA F. CAMERON. MALINDA F. CAMERON. the land sought is more valuable for its timber or stone than for agricul-its timber or stone than for agricul-time agricul-time agricul-its timber or stone than for agricul-its timber or stone than vitation has not yet been issued, the governors of some 12 or 15 states and U. S. Commissioner at Grants Pass, territories have announced their in- Oregon, on the 2d day of October, teution to be present fat the meeting. Among these are Governor Frear of Hawaii and Governor Hoggatt of Oregon, George K. Fowler, of Grants Pass, Alaska.

The work of the National Conservation Commission will be of incalculable value and is the first step toward making provisions for future generations by taking care of the resources of the country.

## TEA

You think one tea as good as another? Why don't you buy at the lowest price you see in the window?

NOTICE FOR PUBLICATION. Timber Land, Act June 3, 1878, Timber Land, Act Jane 3, 1878, Roseburg, Ore., April 15, 1908. Notice is hereby gives that in com-pliance with the provisions of the Act of Congress of Jane 3, 1878, entiled "An Act for the sale of timber Lands in the States of California, Oregon, Nevada and Washintgon Territory," as extended to all Public Land States by act of Angust 4, 1802. by act of August 4, 1892, DORA J. FRIARS,

Any and all persons claiming ad-

versely the above described lands are requested to file their claims in this office on or before said 30th day of October, 1908 BENJAMIN L. EDDY.

Register.

NOTICE FOR PUBLICATION. Department of the Interior. U. S. Land Office

Roseburg Ore. April 14, 1908. Notice is hereby given that LOUISE AYER

H. Jones, of Grants Pass, Ore., C. W. Craig, of Selms, Ore., Josephine Hol-gate, of Olympia, Wash., William T. Turnham, of Grants Pass, Ore. BENJAMAN L. EDDY, Register.

NOTICE FOR PUBLICATION.

Department of the Interior. U. S. Land Office, Roseburg, Ore., June 27, 1908. Notice is hereby give that MALINDA F. CAMERON,

Proof, to establish claim to the land above described, before Joseph Moss, 1908

Pass, Oregon, Louis Orme, of Grants Pass, Oregon, Jesse Orme, of Grants Pass, Ore. BENJAMIN L. EDDY, Register.

NOTICE FOR PUBLICATION. Department of the Interior. U. S. Land Office. Roseburg, Ore, May 26, 1908. Notice is hereby given that

CHARLES A. HOXIE,

CHARLES A. HOXIE, of Williams, Ore. who, on March 24, 1903, made Homestead entry. No. 12,337, for SWM, SWM, Section 9, Township 39 S. Range 5, W Willamstte Meridian, has filed notice of inten-tion to make Final five year Proof, to establish claim to the land above-described, before Joseph Moss, U. S. Commissioner, at Grants Pass, Ore-gon, on the 24th day of September, 1908.

In the County Court for Josephine

county, Oregon. In the matter of the es-

tate of Hiram Fran-

tate of Hiram Fran-cis Niday, Deceased. Notice is bereby given that Caro-line Sexton has been appointed ad-ministratrix of the Estate of Hiram Frances Niday Deceased, by the Couny Court of Josephane County, Oregon, and all persons having claims against said estate are hereby notified to present the same, duly notified to present the same, duly verified, to the said administratrix at

NOTICE FOR PUBLICATION.

Timber Laad, Act Jane 3, 1878. Roseburg, Ore., May 2, 1908. Notice i, hereby given that in com-pliance with the provisions of the act pliance with the provisions of the act of Congress of June 3, 18'8, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land States by act of August 4, 1892, ADOLF SCHULZ, of Portland county of Malnomah

ADOLF SCHULZ, of Portland, county of Malnomab, State of Oregon, filed in this office, February 1, 1908, his sworn statement No 9889, for the purchase of the Sk of SE%, the NE% of SE% and SE% of NE% of Section No. 20 in Town-ship No. 40 S, Range No. 8 West, W. M. and will offer proof to show that the land songht is more valuable for the land sought is more valuable for its timber or stone than for agricul-He names as witnesses: James S. Bailey of Ashland. Oregon, Harry Silver, of Ashland. Oregon, David Kuratli of Portland, Oregon, Ira A. Martin of Portland, Oregon Any and all persons claiming ad-versely the above-described lands are request d file their claims in this office on or b-fore said 4th day of De-

cember, 1908. BENJAMIN L. EDDY. Registe

Register NOTICE FOR PUBLICATION.

NOTCE FOR PUBLICATION. Department of the Interior. Ros-burg, Ore., June 19, 1908.

Notice is hereby given that MILBURN KNAPP.

MILBURN KNAPP. of Woodville, Jackson County, Oregon, who on June 19, 1908, made Timber and Stone Application No 10161, for SW14, being lots 6 and 7 and the E14 of SW14, Section 6, Township 36 South, Range 4 West, W., M. has filed notice of intention to make final Timber and Stone Proof, to estab-list claim to the land above described. lish claim to the land above described, before Joseph Moss, U. S. Commis-sioner, Grants Pass, Ore, on the 29th day of September, 1998.

Claimant names as witnesses: John Aitken, of Woodville, Jackson o., Ore., Oren W. Train, of Wood-C. Alteen, oren W. Train, of Wood-Ville, Jackson Co., Ore, George W. Megerle, of Woodville, Jackson Co., Ore., John D. G. Hanbard, of Wood-ville, Jackson Co., Ore. BENJAMIN L. EDDY. Register.

> NOTICE FOR PUBLICATION. Timber Land, Act June 8, 1878 Roseburg, Ore., May 9, 1908.

Notice is hereby given that in com-pliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California Oregon, Nevada and Wasthington Territory," as extended to all the Pubic Land States by act of August 4, 1892,

WILLIAM ALLEN SANDERS. verified, to the said administratrix at the law office of H. D. Norton at Grants Pass, Oregon, on or before six months from the first publication of this notice, which is August 14, 1908. CAROLINE SEXTON. Administratrix. sought is more valuable for its timber or stone than for agricultural pur-poses, and to establish his claim to said land before Joseph Moss, U. S.

Any and all persons elaiming adversely the allove described lands are requested to file their claims in this office on or before said 22d day of September, 1908.

BENJAMIN L. EDDY. Register. NOTICE FOR PUBLICATION.

Timber Land, Act June 8, 1878.

Roseburg, Ore., April, 8 1908. Notice is hereby given that in com-pliance with the provisions of the act of congress of June 8, 1878, en-titled "An act for the sale of timber lands in the States of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land States by act of August 4 1800 4, 1892,

JOHN B. STENTZ of Olympia, county of Thurston, State of Washington, has this day, July 23, 1907, filed in this office his sworn statement No. 9508 for the purchase of the N<sup>3</sup><sub>4</sub> of NW<sup>3</sup><sub>4</sub> and N<sup>3</sup><sub>4</sub> of NE<sup>4</sup><sub>4</sub> of Sec 2, Twp 38 S, R 7 W being lots 1, 2, 3 and 4 of Section No. 2, in Township No. 38 South, Range No. 

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 Register.
 NOTICE FOR PUBLICATION.

 NOTICE FOR PUBLICATION.
 Department of the Interior.
 Roseburg. Ore., May 9, 1908.

 Notice is hereby given that
 MATTIE GLLLIS,

 of Aberdeen, Washington, who on
 Oregon, Nevads, and Washington

 February 24th, 1908, made Timber and
 Oregon, No 10055 for SEL4

 Stone Application, No 10055 for SEL4
 Lands States by an act of August

NOTICE FOR PUBLICATION.

NOTICE FOR PUBLICATION. Timber Land, Act June 8, 1878. Roseburg, Ore., April 1, 1908. Notice is hereby given that in com-pliance with the provisions of the Act of Congress of June 8, 1878. Creater of Congress of June 8, 1878. Creater of Congress of California. Oregon, Nevada and Washington Ter-ritory," as extended to all Public Lands in the States of California. Oregon, Nevada and Washington Ter-ritory," as extended to all Public Lands States by act of Angust 4, 1892. CLARENCE R. GILLETT of ; Dothan, County of Douglas, State of Oregon, filed in this office on July 6, 1907, his sworn statement No. 9449 for the purchase of the Wig of Wig of Section No. 12 in Township No. 37, South of Range No. 12 in Township No. 37, South of Range No. 5 West W. M., Ore., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural pur-proses, and to establish his claim to said land before Register and Receiver of this office, at Roseburg, Ore., on Weduesday, the 7th day of October 1908. He names as witnesses; George

Aiken, Z. A. Gillett, Albion Silsby and Clement Cleveland, all of Dothan, Oregon.

Any and all persons claiming adversely the above described lands are requesed to file their claims in this office on or before said 7th day of October, 1908.

BENJAMIN L. EDDY, Register.

NOTICE FOR PUBLICATION. Timber Land, Act June 3, 1878.

Roseburg, Ore., May 9, 1908. Notice is hereby given that in com-Notice is hereby given that in com-pliance with the provisions of Con-gress of June 3, 1878, entiled "An act for the sale of timber lands in the States of California, Oregon, Nevada and Washington Territory," as ex-tended to all the Public Land States by act of August 4, 1892,

on Tuesday, the 22d day of September, 1908. He names as witnesss: Joseph E. Verdin, of Granst Pass, Ore., Martin A. Conger, of Grants Pass, Ore., Martin Ore., Allen Sanders, of Harrison, Idaho,

versely the above-described lands are requested to file their claims in this office on or before said 23d day of September, 1908. BENJAMN L. EDDY.

NOTICE FOR PUBLICATION.

Register.

Timber Land Act, June 3, 1878.

Roseburg Ore. April 15, 1908. Notice is hereby given that in com-pliance with the provisions of the Act of Congress of June 3, 1878, entitled 'An Act for the sale of timber Lands in the States of California, Oregon, Nevada and Washington Territory," as extended to all Public Land States by act of August 4, 1892,

Roseburg, Ore., May 9, 1908. Notice is hereby given that MATTIE GILLIS, of Aberdeen, Washington, who on February 24th, 1908, made Timber and Stone Application, No. 10055 for SE14 NW4, 1892, To appear and associated to all Public Lands in the States of California In the states of California Oregon, Nerads, and Washington February 24th, 1908, made Timber and Stone Application, No. 10055 for SE14 NW4, 1892, To appear and ans-ticlands in the States of California In the states of California Oregon, Nerads, and Washington Torritory, "as extended to all Pub-Composed in this States of California In the states of California Oregon, Nerads, and Washington Torritory, "as extended to all Pub-In the name of the State of Oregon, Nerads, and Washington Torritory, "as extended to all Pub-In the one of the State of Oregon, Nerads, and Washington Torritory, "as extended to all Pub-In the one of the State of Oregon, Nerads, and Washington Torritory, "as extended to all Pub-In the one of the State of Oregon, Nerads, and Washington Torritory, "as extended to all Pub-In the one of the State of Oregon, Nerads, the 1905 the above description Nerads, the 1905 the names as witnesses: Joseph E, of fills Petrygrove St., Portland Contro of Multinomah State of Oregon, Seribed before Joseph Moss, U S. Commissioner at his office at Grants Pass, Oregon, on the 19th day of Ser-tember, 1908 Claimat ones witnesses: James Claimat ones witnesses: J Ore, on Friday, the 30th day of Oc-tober, 1908. He names as witnesses: William Brown of Grants Pass, Ore, George W. Kearns, of Grants Pass, Ore, Mrs. L. M. Kings of Gold, Hill Ore, John Rings of Gold Hill, Ore. Any and all persons claiming ad-versely the above described lands are requested to file their claims in this files on or baffers said 30th day of the county of the cou

NOTICE FOR PUBLICATION.

908. He names as witnesses: George Aiken, Z. A. Gillett, Albion Silsby and Clement Cleveland, all of Dothan, Fregon Fregon Control of Portland, Ore., Edward H. Sutton of Portland, Ore., Arthor Stresson, Status, Status, Ore., Arthor

H. Sutton of Portland, Ore., Arthor D Dabney of Portland, Ore., J. S. Bailey of Asbland, Ore. Harry Silver of Ashland, Ore. Any and 'all persons claiming ad-versely the above-described lands are requested to file their claims in this office on or before said 23d day of November, 1908. BENJAMIN L. EDDY, Register.

Register.

NOTICE FOR PUBLICATION. Timber Land, Act June 3, 1878.

Timber Land, Act June 3, 1878. Reseburg, Ore., April 30, 1908. Notice is hereby given, That in compliance with the provisoos of the Act of Congress of June 3, 1878, en-titled "An Act for the sale of Timber Lands in the States of California, Oregon, Nevada and Washington Ter-ritory," as extended to all Public Land States by an act of August 4, 1899

10059, for the purchase of the SE4 of Seciton No. 32 in T ownship No. 38 S, Range No 4. west, W. M., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural pur-poses, and to establish his claim to said land before Joseph Moss, U. S. Commissioner, Grants Pass, Ore., on Wednesday, the 23d day of Septem-ber, 1908. He names as witnesses: Martin A. Conger, of Grants Pass, Ore., William T. Turnham, of Grants Pass, Ore., Joseph E. Verdin of Grants Pass, Ore., Stress I daho. Any and all persons claiming ad-versely the above-described lands are requested to file their denced lands are stated are file their denced lands are stated to file their denced lands are stated ar

H. Sutton of Portland, Ore., Ldward Bailey of Ashland, Ore., Harry Silver of Ashland, Ore Any and all persons claiming ad-

versely the above-described lands are requested to file their claims in this office on or before said 234 day of November, 1908.

BENJAMIN L. EDDY, Register.

SUMMONS. In the Circuit Court of the State of Oregon for the County of Josephine. J. B. Wood,

plaintiff,

Jennie A Wood, defendant.

To Jeunie A. Wood, defendant above

Your grocer returns your money if you don't like Schilling's Best; we pay him.

### NOTICE FOR PUBLICATION.

Timber Land, Act June 3, 1878. Timber Land, Act June 3, 1878. Roceburg, Oregon, May 9, 1908. Notice is hereby given that in com-pliance with the provisions of the act of Congress of June 3, 1878, en-titled: "An act for the sale of tim-ber lands in the States of California, Oregon, Novada, and Washington Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892

LOBETTA E. KEARNS,

of Grants Pass, County of Josephine, State of Oregon, filed in this office April 27, 1907, her sworn statement No. 10056, for the purchase of the W14 of the NW14 of Section No 32 in Township No. 33 South, Range No. 4 West, W. M., and will offer proof to show that the land sought is more vanable for its timber or stone than for agricultural temporer and to exfor agricultural purposes, and to establish her claim to "said land before Joseph Moss, U. S. Commissioner at his office at Grants Pass on Montay.

Ore., George W Lewis, of Grants Pass, Ore., Any and all perions claiming ad-verselv the above described lands ar requested to file their claims in this office on or before said 21st day of September, 1908.

BENJAMIN L FDDY. Re-iste:

Revise<br/>ReviseNotice is hereby given that<br/>JOSEPHINE HOLGATE<br/>OUTICE TO PRESENT CLAIAS.<br/>Notice is hereby given that the<br/>JOSEPHINE HOLGATE<br/>endersigned has been appointed by<br/>the Court Obst of intention to make Final Prof.<br/>to present with claim to the land bore de-<br/>stand at here residence at Gelden,<br/>Schurler C. Ruble, deceased.Notice is hereby given that<br/>JOSEPHINE HOLGATE<br/>of journik, Washington, who on Sep.<br/>for articellarap largeores, sail to extend<br/>the South, Range 7 West, South, Range 8 West, Will-<br/>he his claim to anale land before the<br/>for articellarap largeores, sail to extend<br/>the South, Range 7 West, South, Range 8 West, Will-<br/>he his claim to anale final Prof. to<br/>to present 'ne same to the sumes as witnesses: S. M.<br/>Josephine Courty, Oregon, outhe<br/>signed at her residence at Gelden,<br/>Stimed at her residence at Gelden,<br/>to the fand beroft.<br/>MRS, ABEIE RUBLE,<br/>Administratix of the Estate of<br/>Schurler C. Ruble, deceased.Notice is hereby given by the time<br/>to present 'ne same within six<br/>ments from date bered.<br/>mask of Agnither.<br/>Register.Notice is hereby given by the number of the South-<br/>test deceased and largeore having Coregon, on the<br/>signed at her residence at Gelden,<br/>signed as required by law, within<br/>signed as the streak formed from the second or the state of the South-<br/>erevised as required to file their claims in the<br/>off, cervise the same within six<br/>mered deceased.Notice is hereby given by the number of the South-<br/>west quarter of the South-<br/>the south west quarter of the South-<br/>west quarter of the South-<br/>state of Williams, Ore, and the press having off, cervised and the south west quarter of the South-<br/>state of the south ore-half of the Northwest<br/>west quarter of the South-<br/>west quarter of the South-<br/>west quarter of the South-<br/>west quarter of the South-<br/>west quarter of the South-

Burns, of Grants Pass, Ore., Witham Turnham, of Grants Pass, Ore., Mat-tin A. Conger, of Grants Pass, Ore., Dincan Gillis, of Abrileeo, Wash. BENJAMIN L. EDDY, kegister.

NOITCE FOR PUBLICATION. Department of the Interior. Roseburg, Ore , July 7, 1908.

Notice is bereby given that ETTA E. WAUGHTAL of Grants Pass, Josephine Co., Ora-gog, who, on July 7, 1908, made Timber and Stone Application No 074, for Wig of SWig and SEld of SWig Section 6, Town-hin 94 South, Range 6 West, Willamette Meridian, bas filed notice of intention to make has filed notice of intention to make Final Timber and Stone Proof, to eatablish claim to the land above de-scribed, before Joseph Moss, U S Comissioner, at Gran's Pass, Oregon, on the 5th day of October, 1908.

the 21st day of September, 1908. She names as witnesses Eugene Wright, of Grants Pass, Ore., Frank W. Capp, of Grants Pass, Ore., Frank W. Capp, of Grants Pass, Ore., Section Construction of Grants Pass, George W Kearns, of Grants Fass, Ore., George W Lewis, of Grants Fass, Pass, Ore., Any ant all Claimant names as witnesse: George

NOTICE FOR PUBLICATION. Department of the Interior. U. S. Land Office,

Boseburg, Ore., April 14, 1908. Notice is hereby given that JOSEPHINE HOLGATE

tember, 1998 Claimant names s witnesses: James Burns, of Grants Pass, Ore., William Ternham, of Grants Pass, Ore., Mar-tin A. Conger, of Grants Pass, Ore., Mar-tin A. Conger, of Grants Pass, Ore., Marpurposes, and to establish his claim to said land before Register and Re-ceiver of this office at Roseburg, Oregon, on Friday, the 4th day of December, 1908.

December, 1995. He names as witnesses: J. S. Batley of Ashiand, Ore., Harry Silver of Ashiand, Ore., Ira A. Martin of Portland, Ore., Adolf Schulz of Port-

land. Ore Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 4th day of December, 1905. BENJAMIN L. EDDY.

Register.

## NOTICE FOR PUBLICATION.

Timber Land, Act June 8, 1878 Roseburg, Ore., April 15, 190 1909 1908 Notice is hereby given, that in compliance with the provisions of the Act of Congress of June 3, 1878, en-titled "An Act for the sale of timber Lands in the States of California. Oregon, Nevada, and Washington Territory," as extended to all Public

Territory," as extended to all Public Land States by act of August 4, 1892, DELL & RIAKS of 3916 No.th 26th Street, Tacoma. County of Pierce, State of Washing ton, filed in this office on September 10, 1907, her swore statement No. 2958 for the purhase of the E<sup>1</sup>/<sub>2</sub> NE<sup>1</sup>/<sub>4</sub>. N<sup>1</sup>/<sub>2</sub> SE<sup>1</sup>/<sub>4</sub> of Section No. 20 in Town-with No. 59 South of Range No. 5 West W M. One and will offer proof West W. M., Ore., and will offer proof to show that the land sought is more of valuable for its timber or stone than 9.

NOTICE FOR PUBLICATION. Department of the Interior. U. S Land Office

C. S Laad Office Roseburg, Ore, July 24, 1908. Notice is hereby given that JOSIE A RUSK, R. F. D. Grants Pass, Josebine Co., Ore., who, on July 24, 1908, made Timber and Stone Application, No 0411, or Lot 9 Section 14 Town. No 0441, or Lot 9, Section 14, Town-ship 35, South, Raige 7 west, Willa-mette Meridian, has filed notice of intention to make final Timber and Stone Proof, to establish claim to the land above described, before Joseph Moss, U. S. Commissioner, at Grants Pass, Ore., on the 9th dy of October,

Claimant names as witnesses : Will-Claimant names as witnesses: Will-iam Anderson of R. F. D. No. 2, Grants Pass, Josephine Co., Ore., Hetman Fick, of R. F. D. No. 2 Grants Pass, Josephine Co., Ore., Oscar Agee, of R. F. D. No. 2, Grants Pass, Josephine Co., Ore., John Fin-ley, of R. F. D. No. 2, Grants Pass, Josephine Co., Ore., RENJAMIN L. EDDY. BENJAMIN L. EDDY,

Register.

NOTICE FOR PULBICATION. Department of the Interior.

U. S. Land Office. Roseburg, Ore, April '0, 1908. Notic is hereby given that FRED H. WHITFIELD

of Portland Oregon, who, on January 9. 1908, made Timber Application

office on or before said 30th day of

are Office of County Surveyor of Jose-this phine County, Oregon, Grants Pass, Oregon, September 1, 1908.

office on or before said 30th day of October 1908.
 BEBNJAMIN L. EDDY Register.
 NOTICE FOR PUBLICATION.
 Department of the Interior.
 U. S. Land Office Roseburg, Ore., Asg. 3, 1908.
 Notice is hereby given that MILTON C. BOGUE
 of Kerby, Oregon, who, on August 14, 1903.
 of Kerby, Oregon, who, on August 14, 1903.
 for SE4 and Lot 2, Section 6, Town ship 40, South, Range 8 west, Will amette Meridian, has filed notice of intention to make Final five year Proof, to establish claim to the lands of above described before Joseph Moss, U. S. Commissioner, at Grants Pass. Oregon, on the 12th day of October, 1903.
 Claimant names as witnesses; Tru-

1908. Claimant names as witnesses: Tru-man Hill, of Kerby, Oregon; Zoincy, L. Churchill, Earl V. Ingles, W. S. Woodcock, of Kerby, Oregon; Sylvester A. Carter, of Kerby, Oregon; Sylvester A. Carter, of Kerby, Oregon; Sylvester BENJAMIN L. EDDY, Begisstr lowing governmental subdivisions of Section 33, Townhip 36 South, Range 5 West. W. M., more specifically de-cribed as follows to-wit:

The Southeast quarter of the South-west quarter and