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## Bibliography of Wood Distillation, 1907-1953

by

J. D. Ross

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OREGON FOREST PRODUCTS LABORATORY

State Board of Forestry and School of Forestry,  
Oregon State College, Cooperating  
Corvallis

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## BIBLIOGRAPHY OF WOOD DISTILLATION, 1907-1953

by

J. D. Ross

### FOREWORD

The Oregon Forest Products Laboratory has conducted considerable experimental work on wood carbonization. In the course of this work a sizeable bibliography was compiled. While the work on carbonization has been curtailed for some time, it was thought desirable to bring the bibliography up to date and make it available as a reference source.

This bibliography covers published work on wood distillation for the period 1907-1953. The material is classified in the following divisions:

1. Books--listed alphabetically by author's name.
2. Articles and Bulletins--primary listing is chronological with secondary alphabetical listing by author's name.
3. Patents--listed alphabetically by country, chronologically by year of issue, and alphabetically by author's name.

The term wood distillation is used rather loosely in the literature, consequently references may cover carbonization, steam distillation, gasification or modifications of each. It is the main purpose in the bibliography, however, to cover wood carbonization and topics related primarily to wood charcoal.

Three abstracting services were used for the bulk of the assembled references; Chemical Abstracts (1907 to date), Forestry Abstracts (1939 to date), and Engineering Index (1907 to date). Chemical Abstracts was used as the primary reference source, and where possible, Chemical Abstracts references are included along with the original reference.

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Ulmann, H., Lutz, E. and Umlauf, E. "Shaft furnace for continuous carbonization of wood." Austrian 116,067 (1929). CA 24 2596.

Fehmel, A. "Shaft furnace for continuous carbonization of wood." Austrian 135,883 (1933). CA 28 2522.

Suida, H. "Carbonizing wood." Austrian 133,675-6 (1933). CA 27 4920.

Kietabl, K. "Apparatus for carbonizing wood." Austrian 146,377, 147,510 (1936). CA 30 7824.

Holzel, A. "Furnace for carbonizing wood." Austrian 154,272 (1938). CA 33 1926.

Plankl, F. "Motor fuel from wood distillation products." Austrian 155,320 (1938). CA 33 3115.

Zeuch, A. "Dry distillation gases." Austrian 156,820 (1939). CA 36 2124.

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Szek, J. T. "Furnace for the low temperature carbonization of wood." Belgian 425,949 (1938). CA 33 2702.

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Robinson, E. B. and Edwards, W. C. "Apparatus for distilling wood." British 24,961 (1906). CA 1 2521.

Pages, A. and others "Extracting pyroligneous substances." British 10,775 (1907). CA 3 245.

Southern Manufacturing Co. "Products from wood." British 29,886 (1909). CA 5 2330.

Felizat, L. "Combustible agglomerate of wood charcoal." British 5010 (1910). CA 5 3147.

Thomas, W. "Destructive distillation of wood." British 110,217 (1916). CA 12 419.

Blair, Campbell, and others "Destructive distillation." British 118,960 (1917). CA 13 71.

- Ledoux, E. "Carbonizing and distilling wood." British 123,111 (1917). CA 13 1529.
- Poore, P. "Distilling wood." British 131,006 (1917). CA 14 115.
- Seaman Waste Wood Chemical Co. "Distilling wood, etc." British 116,939 (1917). CA 12 2438.
- Tissier, L. E. "Carbonizing processes." British 110,360 (1917). CA 12 424.
- Societe E. Barbet et Fils et Cie "Distilling wood." British 120,560 (1918). CA 13 660.
- Spicer, H. H. "Carbonizing wood." British 124,274 (1918). CA 13 1637.
- Stafford, O. F. "Carbonizing processes." British 119,040 (1918). CA 13 71.
- Berg, M. J. "Destructive distillation." British 137,045 (1919). CA 14 2702.
- Poore, P. "Distilling wood." British 152,741 (1919). CA 15 945.
- Roberts, J. C. "Recovery of wood distillation products." British 152,420 (1919). CA 15 751.
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- Ironside, T. G. "Distilling carbonaceous material." British 189,542 (1921). CA 17 2495.
- Nielson, H. and Laing, B. "Distillation of solid carbonaceous materials." British 192,515 (1921). CA 17 3244.
- Perte, R. "Distilling wood." British 177,177 (1922). CA 16 3203.
- Quinan, K. B. "Dry distillation." British 184,451 (1922). CA 17 202.
- White, W. C. "Carbonizing wood." British 192,040 (1922). CA 17 3244.
- DeLoisy, M. and Grauce, E. "Distilling solid materials." British 210,402 (1923). CA 18 1743.
- Trumble, M. J. "Distilling peat, coal, wood, etc." British 221,052 (1923). CA 19 887.
- Wisner, C. B. "Distilling coal, wood, and other solid materials." British 217,554 (1923). CA 19 393.
- Deperrois, E. D. "Apparatus for carbonizing wood." British 229,694 (1924). CA 19 3157.
- Jaffrennou, G. M. "Distilling solid fuels." British 229,299 (1924). CA 19 3157.

- Malbay, R. "Jacketed retort for carbonizing wood." British 233,335 (1924). CA 20 663.
- Strache, H. and Polcich, G. "Carbonizing wood." British 253,206 (1925). CA 21 2557.
- Winzer, C. and Brown, P. "Retort system for carbonization of wood." British 250,661 (1925). CA 21 1343.
- Enders, A. and others "Portable furnace and retorts for carbonizing wood." British 279,709 (1927). CA 22 3043.
- Merturi, G. "Carbonizing plant for wood or coal." British 293,321 (1927). CA 23 1740.
- Migeon, M. "Carbonizing low grade fuel such as wood." British 288,335 (1927). CA 23 690.
- Winzer, C. B. "Continuously operated apparatus for carbonizing wood." British 330,980 (1929). CA 24 5984.
- I. G. Farbenend. - A. G. "Retorts for destructive distillation of carbonaceous material." British 359,507 (1930). CA 27 1487.
- Bourdet, A. P. "Rotary furnace for partial distillation of wood." British 393,293 (1933). CA 27 5588.
- Dreyfus, H. "Distilling solid carbonaceous materials." British 423,860 (1935). CA 29 5252.
- Guillaume, P. "Apparatus and method for carbonizing wood." British 433,256 (1935). CA 30 853.
- Rinman, E. L. "Wood distillation." British 450,416 (1936). CA 31 227.
- Winzer, C. B. "Coking processes and apparatus." British 437,033 (1936). CA 30 2356.
- Williams, K. W. "Portable charcoal kiln." British 477,058 (1937). CA 32 4314.
- Zeuch, A. "Vertical retorts for wood distillation." British 476,909 (1937). CA 32 4314.
- Hadamovsky, P. "Retorts for low temperature carbonization." British 488,313 (1938). CA 33 837.
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- Sawtelle, E. M. "Wood distillation." Canada 233,834 (1923). CA 17 3603.
- Bone, K. "Wood distillation." Canada 274,953 (1927). CA 22 1233.

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- Sorensen, A. "Carbonization of wood." Denmark 54,408 (1938). CA 32 7260.
- Arnbok, L. J. "Continuous furnace for carbonizing wood." Denmark 63,372 (1945). CA 40 4196.

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- Colson, A. "Apparatus for carbonizing wood." Fr. 34,667 (1927). CA 24 1500.
- Colson, A. "Apparatus for carbonizing and distilling wood." Fr. 645,706 (1927). CA 23 2031.
- La carbonization industrielle "Portable apparatus for the manufacture of charcoal." Fr. 33,289 (1927). CA 23 2031.
- Merturi, G. "Distillation of wood or coal." Fr. 648,978 (1927). CA 23 2811.
- Perey, P. "Furnace for carbonizing wood." Fr. 640,845 (1927). CA 23 970.
- Soulie, J. "Carbonizing wood." Fr. 638,232 (1927). CA 23 275.
- Trihan, E. "Furnace for carbonizing wood and recovering by-products." Fr. 648,756 (1927). CA 23 3079.
- Vitrac, M. and others "Wood distillation." Fr. 657,685 (1927). CA 23 4569.
- Aube, P. "Furnace for carbonizing wood." Fr. 664,929 (1928). CA 24 948.
- Barbet, E. "Apparatus for carbonizing wood with recovery of by-products." Fr. 663,458 (1928). CA 24 720.
- Dejouany, L. "Carbonizing wood." Fr. 675,097 (1928). CA 24 2868.
- Laurent, V. "Wood carbonizing furnace." Fr. 673,361 (1928). CA 24 2596.
- Ringelmann, M. "Plant for carbonizing wood." Fr. 664,605 (1928). CA 24 948.
- Rongier, J. "Furnace for carbonizing wood with recovery of tar." Fr. 656,293 (1928). CA 23 4061.
- Trihan, E. "Furnace for carbonizing wood." Fr. 35,321 (1928). CA 24 3898.
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- Poore, P. "Distillation of wood." Fr. 687,454 (1929). CA 25 811.
- Turpin, F. "Continuous furnace for carbonizing wood with recovery of by-products." Fr. 685,500 (1929). CA 24 6002.
- Barbet, E. and Malbay, A. "Apparatus for carbonizing wood." Fr. 714,190 (1930). CA 26 1772.
- Les produits chimiques purs. "Wood distillation." Fr. 704,936 (1930). CA 25 5284.
- Societe anon. "La Carbonite." "Distilling ligneous and cellulosic materials." Fr. 711,632 (1930). CA 26 2051.
- Magliocci, M. "Furnace for carbonizing wood." Fr. 711,243 (1931). CA 26 1772.
- Monier, J. "Furnace for carbonizing wood." Fr. 716,487 (1931). CA 26 2313.

- Moore, S. "Apparatus for distilling wood." Fr. 736,459 (1932). CA 27 1487.
- Guillaume, P. "Charcoal from creosoted wood." Fr. 751,031 (1933). CA 28 1184.
- Monier, J. "Furnace for carbonizing wood." Fr. 42,330 (1933). CA 27 5532.
- Trihan, E. "Apparatus for carbonizing wood." Fr. 806,794 (1936). CA 31 5138.
- Brisset, A. "Furnace for carbonizing wood." Fr. 813,373 (1937). CA 32 1076.
- Giorla, A. "Multicellular furnace for carbonizing wood." Fr. 819,382 (1937). CA 32 3951.
- Hadamovsky, P. "Retort for carbonization of wood." Fr. 822,122 (1937). CA 32 5606.
- Aubertie, J. and Villedieu, J. "Transportable furnace for carbonizing wood." Fr. 828,008 (1938). CA 32 7260.
- Brisset, A. "Furnace for carbonizing wood." Fr. 832,541 (1938). CA 33 2683.
- Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. "Apparatus for carbonizing wood." Fr. 829,410 (1938). CA 33 1478.
- Haro, L. "Carbonization of combustibles." Fr. 832,480 (1938). CA 33 2683.
- National Carbonizing Co. "Apparatus for the carbonization of wood." Fr. 822,115 (1938). CA 32 5606.
- Spatz, R. "Vegetable coke." Fr. 826,897 (1938). CA 32 8118.
- Aurior, L. and Gatel, L. "Retort for carbonizing wood." Fr. 850,577 (1939). CA 36 2124.
- Boll, H. "Distilling wood." Fr. 849,767 (1939). CA 35 7690.
- Genty, H. "Carbonized agglomerate of wood, sawdust and lignite." Fr. 837,420 (1939). CA 33 7529.
- Raphael, M. "Improving the methods of carbonizing wood." Fr. 842,407 (1939). CA 34 5633.
- Szek, J. "Furnace for distilling wood at low temperatures." Fr. 849,223 (1939). CA 35 6426.
- Brisset, A. "Furnace for the carbonization of wood." Fr. 853,771 (1940). CA 36 2172.
- Establissements Lambotte freres "Carbonization of cellulose material." Fr. 859,741 (1940). CA 42 3556.
- Gaujal, J. "Furnace for manufacture of wood charcoal." Fr. 851,267 (1940). CA 36 2124.

Trihan, E. "Device for the carbonization of wood." Fr. 851,289 (1940). CA 36 2124.

Andiganne, A. "Vertical furnace for the continuous carbonization of wood." Fr. 863,365 (1941). CA 42 9128.

Lely, A. "Furnace for carbazonizing wood." Fr. 860,946 (1941). CA 42 6092.

Alepee, G. J. G. "Apparatus for the carbonization of wood." Fr. 872,835 (1942). CA 43 4838.

"Carbonisation et charbons actifs." "Active charcoal." Fr. 872,035 (1942). CA 43 4838.

Christien, A. A. "Carbonization of wood." Fr. 872,686 (1942). CA 43 4838.

David, E., Malissard, G. and Dutin, J. "Carbonization furnace." Fr. 872,454 (1942). CA 43 4837.

Mazzoleni, R. "Carbonization furnace." Fr. 872,143 (1942). CA 43 4837.

Peaudcerf, M. and Lassalle, P. "Continuous carbonization furnace." Fr. 872,551 (1942). CA 43 4837.

Renault, L. "Portable furnace for wood carbonization." Fr. 869,638 (1942). CA 43 4838.

Saintenoy, G. F. "Apparatus for the recovery of by-products from carbonization of wood." Fr. 868,788 (1942). CA 43 1952.

Saintenoy, G. F. "Condensation and recovery of by-products from the distillation of wood and other ligneous materials." Fr. 877,180 (1942). CA 47 4586.

Vitex, S. A. "Wood tar." Fr. 877,148 (1942). CA 47 5668.

Fabre, R. "Recovery of turpentines, rosins, etc from wood waste." Fr. 890,616 (1944). CA 47 5119.

Frederich-Blanc, F., Fabre, R. and Garnier, A. "Method of eliminating tars during wood charcoal manufacture." Fr. 892,288 (1944).

Fuchs, A. C. "Extraction of oily material and by-products from cellulose substances." Fr. 52,338 (1944) (2nd add. to Fr. 875,783). Fr. 52,667 (1945) (3rd add. to Fr. 875,783). CA 47 5668.

Sterlini, M. J. "Fuel briquettes." Fr. 891,099 (1944).

Lefrang, M. "Wood distillation with recovery of methanol and acetone giving products suitable for carburization of steel." Fr. 53,082 (1945) (1st add. to Fr. 868,912). CA 47 4586.

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Boutillier, A. "Continuous heat-treatment of materials." Fr. 940,116 (1948). CA 44 6688.

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- Suida, H. "Recovery of concentrated acetic acid from wood distillation products." Fr. 967,740 (1950). CA 46 6835.
- Cochez, J. "Liquid fuels from distillation of wood." Fr. 979,459 (1951). CA 47 7764.
- Couquet, L. M. "Apparatus for distillation of wood." Fr. 979,526 (1951). CA 47 7764.
- Duplan, F. P. E. S. "Hydrocarbons from tar, wood, etc." Fr. 979,536 (1951). CA 47 7764.
- Laboratoires de recherches industrielles "Treating carbonization products." Fr. 976,022 (1951). CA 47 1920.
- Les Consommateurs de Petrole, S. A. "Method of and apparatus for the manufacture of substitutes for petroleum derivatives from wood or any other cellulose-containing material." Fr. 977,445 (1951).
- Levi, F. "Apparatus for the recovery of by-products in wood distillation." Fr. 979,023 (1951). CA 47 6124.
- Roux, B. "Charcoal briquettes." Fr. 973,231 (1951).
- Societe pour l'exploitation des procedes Ab-der-Halden "Apparatus for the continuous carbonization of wood." Fr. 977,787 (1951). CA 47 5668.
- Turpin, F. A. "Apparatus for distillation of wood." Fr. 972,438 (1951). CA 46 8354.
- Vermorel, V. F. A. "Apparatus for the recovery of tar from the distillation of wood." Fr. 974,175 (1951). CA 46 11646.
- Welsch, H. L. G. "Continuous distillation of wood by-products." Fr. 979,042 (1951). CA 47 6124.

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- Muller, J. "Charring wood shavings." Ger. 185,934 (1905). CA 2 216.
- Fritz, M. "Furnace for carbonizing wood." Ger. 265,041 (1911). CA 8 417.
- Plauson, H. and von Tischenko, G. "Distillation of wood." Ger. 276,811 (1912). CA 9 523.
- Dittmer, R. "Carbonizing wood." Ger. 275,516 (1913). CA 8 3117.
- Noerdlinger, H. "Alcohol-soluble asphalt-like products." Ger. 286,650 (1914). CA 10 1431.

- Ziegler, E. "Distilling retort for wood." Ger. 294,015 (1915). CA 12 421.
- Soc. anon. "la Carbonite." "Apparatus for carbonizing wood." Ger. 513,125 (1926). CA 25 1363.
- Societe anon. des produits chimiques de Clamecy "Working up crude products from the distillation of wood." Ger. 534,698 (1926). CA 26 1114.
- Winzer, C. B. "Tunnel apparatus for carbonizing wood." Ger. 569,358 (1930). CA 27 2284.
- Reichert, T. "Dry distillation." Ger. 666,387 (1938). CA 33 2314.
- Strupp, E. "Dry distillation of wood." Ger. 660,236 (1938). CA 32 7704.
- Azett-Gas-Apparate-Bau G.m.b.H. "Transportable apparatus for producing wood charcoal." Ger. 671,062 (1939). CA 33 3584.
- Groh, H. and Mang, A. "Distillation of wood." Ger. 682,761 (1939). CA 38 1866.
- Seidenschnur, F. "Distilling wood." Ger. 674,819 (1939). CA 33 7094.
- Kirchhoff, L. and Vogt, A. E. "Portable oven for distillation of wood." Ger. 701,015 (1940). CA 35 7690.
- Lerner, P. and Pressler, H. "Dismountable retort furnace." Ger. 696,041 (1940). CA 35 6096.
- Maschinenfabrik Heckmann G.m.b.H. "Retort for distillation of wood." Ger. 692,323 (1940). CA 35 4580.
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- Takaoka, J. "Distilling apparatus." J. 37479 (1920). CA 16 1314.
- Kojima, E. "Furnace for manufacturing charcoal." J. 39,589 (1921). CA 16 3203.
- Mandai, S. "Furnace for manufacturing charcoal." J. 39,950 (1921). CA 16 3754.
- Tsuchiya, T. "Furnace for dry distillation of wood." J. 39846 (1921). CA 16 3754.
- Kimura, Y. "Charcoal oven." J. 42,141 (1922). CA 18 751.
- Murao, K. "Apparatus for collecting acetic acid from smoke of carbonization of woods." J. 2221 (1951). CA 47 850.

Norway

Ingraldsen, B. "Retort for dry distillation of wood." Nor. 68,778 (1945). CA 40 1648.

Ingeberg, H. C. M. "Apparatus for the recovery of highly volatile constituents of wood distillation acids." Nor. 71,111 (1946). CA 41 850.

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Spitalskii, G. "Furnace for carbonizing wood." Russ. 12,079 (1924). CA 24 1500.

Klyachin, N. K. "Heating wood carbonization ovens." Russ. 23,349 (1931). CA 26 1772.

Nasakin, S. P. "Plant for dry distillation of wood." Russ. 23,350 (1931). CA 26 1772.

Glotov, A. A. "Retort for dry distillation of vegetable substances." Russ. 30,671 (1933). CA 28 3582.

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Kudryavtsev, E. A. "Furnace for destructive distillation of wood." Russ. 68,960 (1947). CA 43 6398.

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Hoikenstrom, N. "Utilizing the heat from charring and dry distillation of wood." Swed. 40,910 (1916). CA 10 2635.

Hockenstrom, A. "Carbonizing wood." Swed. 41,633 (1916). CA 11 1543.

Bergstroem, H. O. V. "Destructive distillation of wood." Swed. 52,526 (1922). CA 18 1748.

Brandes, F. W. "Utilizing wood waste." Swed. 53,129 (1922). CA 17 3414.

Funquist, G. G. "Carbonizing wood." Swed. 54,426 (1923). CA 17 3414.

Holmgren, T. "Carbonizing and coking." Swed. 55,996 (1924). CA 18 3709.

Lindblad, A. R. "Thermal decomposition and reduction of wood." Swed. 72,646 (1931). CA 27 3069.

Bergstrom, H. and Cederquist, K. "Distilling wood products." Swed. 78,693 (1933). CA 28 2178.

Bergstrom, H. and Cederquist, K. "Treatment of wood, peat, and brown coal." Swed. 91,346 (1938). CA 32 4314.

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Bremmer, G. P. and Oman, E. "Distillation of wood tar." Swed. 114,462 (1945).

Cederquist, K. W. "Hydrocarbons from wood." Swed. 115,120 (1945). CA 41 850.

Lindhe, J. H. O. and Tamrin, K. A. "Motor fuels from wood tar." Swed. 113,024 (1945). CA 41 848.

Cederquist, K. N. "Cooling the residues obtained in the destructive distillation of wood." Swed. 118,195 (1947). CA 41 7710.

Cederquist, K. N. "Apparatus for destructive distillation of wood and other organic material." Swed. 118,456 and 118,457 (1947). CA 41 7711.

Wendt, H. "Recovery of acetic acid from destructive distillation gases." Swed. 118,100 (1947). CA 41 6040.

Johansson, E. A. "Apparatus for the dry distillation of shale, peat, sawdust, coal." Swed. 121,305 (1948). CA 43 3176.

Moller, E. O. "Solvents, fuels, and lubricants from wood waste." Swed. 123,267 (1948).

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Trihan, E. "Dismountable furnace for carbonizing wood." Swiss. 126,997 (1927). CA 23 970.

Souvier, H. "Automatic portable oven for carbonizing wood." Swiss. 215,896 (1941). CA 36 3662.

Bouvier, H. "Oven for carbonizing wood." Swiss. 216,147 (1941). CA 36 3662.

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Bouvier, H. "Apparatus for carbonizing and distilling wood." Swiss. 216,642 (1941). CA 36 3662.

Pahud, A. "Wood carbonizer." Swiss. 216,367 (1941). CA 36 3662.

Broulhiet, G. "Installation for carbonizing wood." Swiss. 217,172 (1942). CA 36 3662.

Zorn, R. "Furnace for carbonizing wood by distillation in a closed container." Swiss. 216,642 (1941). CA 42 5646.

Aktiengesellschaft fur chemische Holzversertung "Carbonization of wood and other organic compounds." Swiss. 237,758 (1945). CA 43 6398.

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Darrin, C. B. "Extracting products from wood." U.S. 839,119 (1907). CA 1 654.

Hammatt, C. S. "Distilling wood." U.S. 843,599 (1907). CA 1 918.

Pope, F. "Extracting wood products." U.S. 852,078 (1907). CA 1 2040.

Gautier, T. B. "Distilling wood." U.S. 896,292 (1908). CA 2 3282.

Copilovich, H. "Wood distilling apparatus." U.S. 918,421 (1909). CA 3 1810.

Doughty, H. W. "Distillation of wood." U.S. 930,274 (1909). CA 3 2627.

Hough, W. J. "Recovery of resin from ligneous material." U.S. 931,608 (1909). CA 3 2632.

Loomis, B. and Pettibone, H. "Manufacture of gas from wood." U.S. 927,418 (1909). CA 3 2373.

Walker, G. "Extracting resin and turpentine from wood." U.S. 922,369 (1909). CA 3 2051.

Bergstrom, H. O. V. "Process for dry distillation of wood." U.S. 953,019 (1910). CA 4 1543.

Kennedy, T. H. and Heckel, F. J. "Separating the products of destructive distillation." U.S. 969,635 (1910). CA 4 3296.

Lembke, C. "Apparatus for extracting turpentine from wood." U.S. 970,246 (1910). CA 4 3297.

Rasche, H. "Wood distillation process." U.S. 962,668 (1910). CA 4 2568.

Zindler, A. "Manufacture of gas from wood." U.S. 956,019 (1910). CA 4 1664.

Hamlin, P. M. "Apparatus for recovery of turpentine from wood." U.S. 990,862 (1911). CA 5 2329.

Yaryan, H. T. "Recovering products from resinous wood." U.S. 992,325 (1911). CA 5 2571.

Dungan, T. A. "Wood distilling apparatus." U.S. 1,007,341 (1912). CA 6 152.

Pope, F. "Apparatus and method for distilling wood." U.S. 1,030,011 (1912). CA 6 2523.

Strobach, R. "Recovering wood distillation products." U.S. 1,015,519 (1912). CA 6 802.

Felizat, L. "Making charcoal from nut shells, sawdust, peach stones, etc." U.S. 1,087,486 (1914). CA 8 1343.

Pritchard, T. W. "Distilling wood to obtain turpentine." U.S. 1,110,820 (1914). CA 8 3627.

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Woidich, F. "Destructive distillation of wood." U.S. 1,092,620 (1914). CA 8 1870.

Wright, O. "Producing charcoal." U.S. 1,092,418 (1914). CA 8 1870.

Cameron, A. "Destructively distilling cordwood." U.S. 1,137,255 (1915). CA 9 1689.

Castona, J. H. "Distilling resinous wood." U.S. 1,149,027 (1915). CA 9 2587.

Dorman, J. L. "Distilling wood." U.S. 1,122,084 (1915). CA 9 375.

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- Perry, W. P. "Apparatus for distillation of wood." U.S. 1,341,517 (1920). CA 14 2257.
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Hund, W. J. "Phenols from Redwood." U.S. 1,365,407 (1921). CA 15 944.

McLeod, H. N. "Apparatus for the destructive distillation of sawdust." U.S. 1,375,714 (1921). CA 15 2720.

Quinker, E. E. "Retort for destructive distillation of wood." U.S. 1,385,470 (1921). CA 15 3906.

Sawtelle, E. M. "Destructive distillation of wood." U.S. 1,374,887 (1921). CA 15 2720.

Stafford, O. F. "Destructive distillation of wood." U.S. 1,380,262 (1921). CA 15 3393.

Thomas, W. "Distilling wood." U.S. 1,365,128 (1921). CA 15 942.

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Wells, J. F. "Carbonizing wood." U.S. 1,383,888 (1921). CA 15 3738.

Berthelon, E. "Destructive distillation of wood." U.S. 1,426,346 (1922). CA 16 3754.

Duncan, W. "Destructive distillation of wood." U.S. 1,407,017-18 (1922). CA 16 1658.

Lewis, G. P. "Generator and retort for distilling and gasifying wood." U.S. 1,430,452 (1922). CA 16 4053.

Pearce, J. "Distillation of wood." U.S. 1,395,866-7 (1922). CA 16 643.

Poore, P. "Distillation of wood." U.S. 1,397,181 (1922). CA 16 643.

Deeter, E. D. "Apparatus for distilling wood." U.S. 1,437,292 (1923). CA 17 628.

Albin, T. C. "Charcoal kiln." U.S. 1,487,908 (1924). CA 18 1748.

Fish, K. K. "Retort plant for treating wood." U.S. 1,494,536 (1924). CA 18 2246.

Hutchins, W. S. "Horizontal rotatable retort for distillation of coal and wood." U.S. 1,498,917 (1924). CA 18 2599.

Ott, C. F. "Retort for dry distillation of wood." U.S. 1,478,247 (1924). CA 18 751.

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Wilcox, P. S. "Destructive distillation of wood." U.S. 1,510,730 (1924). CA 18 3713.

Corfield, S. H. "Apparatus for distillation of wood, coal, etc." U.S. 1,532,686 (1925).

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- Cline, M. "Apparatus for extracting turpentine and rosin from wood." U.S. 1,589,837-8 (1926). CA 20 3077.
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- Garrow, J. R. "Low and medium temperature carbonization of wood." U.S. 1,593,333 (1926). CA 20 3228.
- Griffiths, C. "Apparatus for distilling wood or other carbonaceous material." U.S. 1,573,824 (1926). CA 20 1341.
- Morgan, J. S. "Destructive distillation of wood." U.S. 1,590,901 (1926). CA 20 3077.
- Queneau, A. "Retort for carbonizing wood." U.S. 1,560,855 (1926). CA 20 106.
- Shaw, D. P. "Destructive distillation of wood." U.S. 1,559,994 (1926). CA 20 109.
- Stratham, N. "Rotary apparatus for dry distillation of ligneous material." U.S. 1,566,778 (1926). CA 20 316.
- Weaver, J. L. "Apparatus for wood distillation." U.S. 1,560,517 (1926). CA 20 109.
- Ljungdahl, W. "Destructive distillation of wood." U.S. 1,603,343 (1927). CA 21 173.
- Nielsen, H. "Destructive distillation of coal, wood, and similar materials." U.S. 1,605,761 (1927). CA 21 168.
- Wernicke, O. "Destructive distillation of woody materials." U.S. 1,607,328 (1927). CA 21 319.
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- Kemp, W. "Carbonizing wood or other materials." U.S. 1,677,784 (1928). CA 22 3290.
- Lykken, H. "Apparatus for low temperature distillation of wood." U.S. 1,685,496 (1928). CA 22 4280.

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- Piron, E. "Removing tar from gases produced in wood distillation." U.S. 1,664,484 (1928). CA 22 1848.
- Winzer, C. "Annular or straight ovens for carbonizing coal or wood." U.S. 1,678,687 (1928). CA 22 3763.
- Dwyer, T. "Rotary horizontal retort for coal or wood." U.S. 1,703,418-9 (1929). CA 23 2021.
- Hubmann, O. "Apparatus for distilling wood." U.S. 1,690,933-4 (1929). CA 23 504.
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- Day, E. "Apparatus for destructive distillation of wood." U.S. 1,820,600 (1931). CA 25 5759.
- Doherty, H. "Distilling carbonaceous material such as wood." U.S. 1,781,871 (1931). CA 25 399.
- Myers, J. T. "Wood distillation plant." U.S. 1,795,404 (1931). CA 25 2559.
- Snyder, F. T. "Distilling solid carbonaceous materials." U.S. 1,781,934 (1931). CA 25 399.
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- Brass, F., Otten, N. and Toland, G. "Retort and furnace for wood distillation." U.S. 1,836,305 (1932). CA 26 1114.
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- Derby, I. H. "Driving off volatile substances from wood." U.S. 1,900,381 (1933). CA 27 3057.
- Frye, R. "Destructive steam distillation of resinous woods." U.S. 1,909,397 (1933). CA 27 3813.
- Kerrick, L. C. "Distilling solid carbonaceous material such as wood." U.S. 1,901,169 (1933). CA 27 3062.
- Nielsen, H. "Distilling carbonizable materials." U.S. 1,886,350 (1933). CA 27 1487.
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- Winzer, C. B. "Retort system and associated apparatus for carbonizing wood." U.S. 1,929,132 (1933). CA 27 5943.
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- Olson, E. T. "Carbon monoxide gas from wood distillation." U.S. 2,012,477 (1935). CA 29 7068.
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- Molinari, V. "Treatment of crude tar acid fractions." U.S. 2,393,700 (1946). CA 40 2962.
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