**Material and Sensory Experiences of Mesolithic Resinous Substances**

Aimée Little1, Andy Needham1, Andrew Langley1 and Benjamin Elliott2

1YEAR Centre/PalaeoHub, Department of Archaeology, University of York, Wentworth Way, York, YO10 5DD, United Kingdom

2School of History, Classics and Archaeology, Newcastle University, Newcastle upon Tyne, NE1 7RU, United Kingdom

**Corresponding author**

Aimée Little

aimee.little@york.ac.uk

**Supplementary Information**

**eHRAF data collection methods**

Searches were carried out using the basic search function and two key words: ‘pine’ and ‘birch’. This method provided the full list of documented uses for betula and pinus. The sample numbered 3,865 eHRAF entries: 1,899 for pine, 1,966 for birch, extracted from 256 published sources. The sample integrates all species within the betula and pinus genera; this was necessary for two reasons: 1) the large variance in ecology across the northern hemisphere means the database captures uses for a range of species within a given genus; 2) and linked to the first, the specific tree discussed was not always defined to species-level, typically being referred to simply as ‘birch’ or ‘pine’. Furthermore, while there are documented uses of spruce within the Mesolithic archaeological record, these are limited. Given the close relationship between pine and spruce (while belonging to different genera, they belong to the same family: panacea), the former is used as a proxy for the latter for the purposes of this study. Each eHRAF entry constitutes an extract from a published source, varying in length and detail from several sentences to a page or more. Given the scale of the sample, extracts were primarily used, returning to the source text only in cases where the meaning was not immediately evident from the extract and greater context was required. Entries were summarised and entered into tables (appendix Table A and appendix Table B), noting the community’s name, geographical location, material, succinct description of use of that material, and the source from which the information was derived. The names attributed to each community were retained and are consistent with those provided in the eHRAF database. The original use of specific terms such as ‘gum’, ‘resin’, ‘tar’, or ‘pitch’ were similarly retained.

Appendix Table A: *Betula*.

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| **Culture** | **Location** | **Material** | **Use** | **Reference** |
| Nenets | Asia | root | Used as the attachment for bow strings to bows | Lehtisalo & Kessler 1918, 8 |
| Mi’kmaq | North America | root | Boiled, twisted, and used as thread in building canoes | Wallis & Wallis 1955, 44 |
| Creek | North America | root | Mixed with other plants, boiled, and the decoction consumed to treat illness, or used to give a sweat bath | Swanton 1928a 644, 649 |
| Ojibwa | North America | root | Consumed as a starvation food | Skinner 1911, 13 |
| Ojibwa | North America | root | Used as string in building structures | Warren 1830, 417 |
| Yukaghir | Asia | wood | Used for making serving trays and combs | Jochelson 1975, 411, 453 |
| Yukaghir | Asia | wood | Used in the construction of tipis | Gurvich & Friedrich, 2020, 3 |
| Yukaghir | Asia | wood | Used in the construction of sledges | Gurvich & Friedrich 2020, 4; Jochleson 1975, 350 |
| Yukaghir | Asia | wood | Used to make bows (also in combination with larch) | Graburn & Strong 1973, 44; Jochelson 1975, 383 |
| Yukaghir | Asia | wood | Used to make spear shafts | Jochelson 1975, 121 |
| Koryaks | Asia | wood | Favoured in carving | Jochelson 1905-1908, 647 |
| Koryaks | Asia | wood | Used to make bows (also in combination with larch) | Jochelson 1905-1908, 560 |
| Koryaks | Asia | wood | Used to snow goggles | Jochelson 1905-1908, 604 |
| Nivkh | Asia | wood | Used to create mipitsch that are worn to cure sickness | Shrenk & Nagler 1881-1895, 1210 |
| Nivkh | Asia | wood | Used to make sleds | Black 1973, 21; Shrenk & Nagler 1881-1895, 745; Shternberg *et al.* 1933, 66 |
| Nivkh | Asia | wood | Used to make spoons | Black 1973, 21; Shrenk & Nagler 1881-1895, 745; Shternberg *et al.* 1933, 407 |
| Nivkh | Asia | wood | Used to make bows | Shrenk & Nagler 1881-1895, 872 |
| Nivkh | Asia | wood | Used to skis | Black 1973, 24 |
| Nivkh | Asia | wood | Section trunk used to contain the materials associated with birth, stored in a hollow birch tree in the forest | Black 1973, 60 |
| Samoyed (Nenets) | Asia | wood | Favoured in making sleds | Hajdú & Csanyi 1963, 15 |
| Samoyed | Asia | wood | Shavings used to dry off after washing | Donner & Rinehart 1954, 118 |
| Samoyed | Asia | wood | Fashioned into long poles and used to drive reindeer | Popov & Ristinen 1966, 75 |
| Samoyed | Asia | wood | Used in making sledges | Popov & Ristinen 1966, 79 |
| Samoyed | Asia | wood | Used to make depictions of fish used by shamans | Prokofʹeva 1963, 146 |
| Samoyed | Asia | wood | Used to make drumsticks | Prokofʹeva 1963, 150 |
| Nenets | Asia | wood | Long pole with metal and bone attachments at each end used to drive reindeer | Islavin & Wise 1847, 20 |
| Nenets | Asia | wood | Burned and the smoke from the charred wood used to purify women after menstruation or childbirth | Lehtisalo & Schütze 1924, 104 |
| Nenets | Asia | wood | Used to make figures of the sun, moon and thunderbird, sacrifice made to these during the spring | Lehtisalo & Kessler 1918, 13 |
| Nenets | Asia | wood | Used in making elements of drums | Lehtisalo & Schütze 1924, 137 |
| Nenets | Asia | wood | Used to make sleds | Prokof’eva 1964, 553 |
| Ainu | Asia | wood | Used to make statues (charms) that lines paths between settlement and shore | Ohnuki-Tierney 1981, 64 |
| Ainu | Asia | wood | Used to make sleds | Ohnuki-Tierney 1981, 39 |
| Ainu | Asia | wood (rotten) | Powdered and used in fire lighting | Ohnuki-Tierney, 1984, p. 30 |
| Samoyed | Asia | wood (rotten) | Used to line the cradles of babies | Donner & Rinehart 1954, 123 |
| Samoyed | Asia | wood (rotten) | Used to make make blankets in combination with animal fur | Donner & Rinehart 1954, 123 |
| Yukaghir | Asia | wood (knots) | Mixed with tobacco and smoked | Jochelson 1975, 421 |
| Nenets | Asia | wood (knots) | Made into a tea and used to treat coughs | Lehtisalo & Schütze 1924, 113 |
| Nenets | Asia | wood (knots) | Burned as part of a ritual to purify people of the shadow of the deceased (human) | Lehtisalo & Schütze 1924, 119 |
| Nenets | Asia | excrescence (abnormal growth) | Used to heal wounds by placing on the affected area and setting it alight. Pain leaves the body as the wound ulcerates | Lehtisalo & Schütze 1924, 113 |
| Chipewyans | North America | wood | Favoured in the manufacture of snowshoes | Birket-Smith 1930, 37; Irimoto 1981, 119; Hearn 1958, 209; Smith 1982, 12; VanStone 1963, 23; VanStone 1965, 41 |
| Chipewyans | North America | wood | Used in toboggan construction and repair | Irimoto 1981, 96, 119; Smith 1982, 12; Sharp 1976, 26 |
| Chipewyans | North America | wood | Used to make paddles for canoes | Sharp 1988, 139 |
| Chipewyans | North America | wood | Used to make axe handles | Irimoto 1981, 35 |
| Chipewyans | North America | wood | Used to make arrow and spear shafts  | Smith 1981, 279 |
| Chipewyans | North America | wood | Used to make shovels | Smith 1982, 27 |
| Chipewyans | North America | wood | Used in constructing shelters | Irimoto 1981, 91 |
| Chipewyans | North America | wood | Used to make bows | Birket-Smith 1930, 19; Smith 1982, 9 |
| Chipewyans | North America | wood | Used in making traps  | VanStone 1961, 13; VanStone 1965, 18 |
| Chipewyans | North America | wood | Used in making components of sledges | Birket-Smith 1930, 39 |
| Chipewyans | North America | wood | Used to make utensils | Hearne 1958, 16 |
| Chipewyans | North America | wood | Used to make tent poles | Hearne 1958, 55 |
| Chipewyans | North America | wood | Used to create a structure to support the stove above the fire | Jarvenpa 1980, 115 |
| Ingalik | North America | wood | Used to make spearshafts  | Osgood 1970, 434 |
| Ingalik | North America | wood | Used to make bows | Osgood 1970, 201, 434 |
| Ingalik | North America | wood | Used to make handles | Osgood 1970, 434 |
| Ingalik | North America | wood | Used in making mauls | Osgood 1970, 103 |
| Ingalik | North America | wood | Used to make spoons | Osgood 1970, 130 |
| Ingalik | North America | wood | Used in making fire drills | Osgood 1970, 160-161 |
| Ingalik | North America | wood | Used to make snowshoe needles | Osgood 1970, 166 |
| Ingalik | North America | wood | Used for making snowshoes | Osgood 1970, 345 |
| Ingalik | North America | wood | Used to make pestles | Osgood 1970, 175 |
| Ingalik | North America | wood | Used to make digging sticks | Osgood 1970, 177 |
| Ingalik | North America | wood | Used to make spear throwers and darts | Osgood 1970, 201 |
| Ingalik | North America | wood | Used for making net shuttles and measures | Osgood 1970, 210-211 |
| Ingalik | North America | wood | Used to make pegs used in making sleds | Osgood 1970, 354 |
| Ingalik | North America | wood | Used to make gaming implements | Osgood 1970, 398, 403 |
| Ingalik | North America | wood (rotten) | Mixed with spruce wood and saliva to make blue paint. Sometimes used to paint canoes | Osgood 1970, 387; Osgood 1959, 87 |
| Ute | North America | wood | Used to make snowshoes | Smith 1974, 116 |
| Ute | North America | wood | Used to create fences to make dance enclosures | Steward 1962, 266 |
| Northern Paiute | North America | wood | Used in making bows | Lowie 1924a, 246 |
| Crow | North America | wood | Used in making the shafts of weapons | Lowie 1922a, 233; Lowie 1922b, 419 |
| Crow | North America | wood | Used in making arrows | Lowie 1922b, 395 |
| Nuxalk | North America | wood(?) | Used to make armour | Kennedy & Bouchard 1990, 336 |
| Nuxalk | North America | wood(?) | Used to make dugout canoes | McIlwraith 1948, 311 |
| Tlingit | North America | wood | Used to make dishes | Thornton & Laguna 1991, 160 |
| Tlingit | North America | wood | Used to make masks used by shamans | Emmons & Laguna 1991, 377 |
| Tlingit | North America | wood | Used to make carefully shaped and polished sticks used in a game | Emmons & Laguna 1991, 413 |
| Tlingit | North America | wood | Used to make bows | Oberg nd, 93 |
| Tlingit | North America | wood | Used to make snowshoes | Krause & Gunter 1956, 144 |
| Slavey | North America | wood | Used to make toboggans | Honigmann 1946, 44 |
| Slavey | North America | wood | Used to make snowshoes | Honigmann 1946, 45 |
| Slavey | North America | wood | Used to make maul | Honigmann 1946, 52 |
| Slavey | North America | wood | Used to make bows | Honigmann 1946, 55 |
| Slavey | North America | wood | Used in fire lighting | Honigmann 1946, 55 |
| Slavey | North America | wood | Used to make bowls | Honigmann 1946, 56 |
| Slavey | North America | wood | Used to make rattles | Honigmann 1946, 84 |
| Slavey | North America | wood | Used to make drums | Honigmann 1946, 88 |
| Blackfoot | North America | wood | Used to make dolls | Ewers 1958, 146 |
| Blackfoot | North America | wood | Used to make sleds | Ewers 1955, 102 |
| Blackfoot | North America | wood | Used to make travois | Ewers 1955, 105 |
| Blackfoot | North America | wood | Used to make digging sticks | Ewers 1955, 105; Schultz 1980, 150 |
| Blackfoot | North America | wood | Used to make sweat lodges | Hellson 1974, 19 |
| Blackfoot | North America | wood | Used for posts when making shelters | Wissler 1910, 104 |
| Blackfoot | North America | wood | Used to make bows | Wissler 1910, 155 |
| Blackfoot | North America | wood | Used to make some of the components in the game ‘Tops’ | Wissler 1911, 54 |
| Kaska | North America | wood | Used to make toboggans | Honigmann 1949, 63 |
| Kaska | North America | wood | Used to make axe handles | Honigmann 1954, 27 |
| Kaska | North America | wood | Used as a haft for obsidian tools | Honigmann 1954, 30 |
| Kaska | North America | wood | Used to make bows | Honigmann 1954, 35, 42 |
| Kaska | North America | wood | Used to make arrows | Honigmann 1954, 42 |
| Kaska | North America | wood | Shaped into a club and used in fishing | Honigmann 1954, 37 |
| Kaska | North America | wood | Used to make dishes | Honigmann 1954, 40 |
| Kaska | North America | wood | Used to make snowshoes | Honigmann 1954, 47; Teit & Helm 1956, 84 |
| Kaska | North America | wood | Used to make dippers to bail out water vessels | Honigmann 1954, 56 |
| Kaska | North America | wood | Used to make combs | Honigmann 1954, 69 |
| Mi’kmaq | North America | wood | Favoured as a fuel for fires | Clerq & Ganong 1910, 166; McGee 1961, 93 |
| Mi’kmaq | North America | wood | Used for making bows | Wallis & Wallis 1955, 31 |
| Mi’kmaq | North America | wood | Burned during the smoking of fish to impart flavour  | Wallis & Wallis 1955, 62 |
| Mi’kmaq | North America | wood | Used for the trough in a firm drill kit  | Wallis & Wallis 1955, 396 |
| Innu | North America | wood | Used to make arrows | Lips 1947a, 15; Lips 1947b, 390A |
| Innu | North America | wood | Used to make paddles | Lips 1947b, 393A; Lips 1947a, 67 |
| Innu | North America | wood | Used to make toboggans | Lips 1947b, 393A; Lips 1947a, 68; Tanner 1944, 619 |
| Innu | North America | wood | Used to make snowshoes | Lips 1947b, 393A; Lips 1947a, 69; Turner 1894, 309 |
| Innu | North America | wood | Used alongside other woods to create spirit houses  | Lips 1947b, 479A |
| Innu | North America | wood | Used to make netting needles | Lips 1947a, 19 |
| Innu | North America | wood | Used to make plates / platters | Lips 1947a, 32 |
| Innu | North America | wood | Used to make containers | Lips 1947a, 33 |
| Innu | North America | wood | Used to knife handles | Lips 1947a, 50 |
| Innu | North America | wood | Favoured for use in making the single piece hammer used when making birch bark canoes | Lips 1947a, 65 |
| Innu | North America | wood | Used in making drums | McGee 1961, 41; Speck 1935, 169 |
| Innu | North America | wood | Used to make shovels | McGee 1961, 98 |
| Innu | North America | wood | Used to make imitation caribou for a children’s hunting game  | Speck 1935, 196 |
| Innu | North America | wood | Used to make gaming pieces in the hare hunting game | Speck 1935, 197 |
| Ojibwa | North America | wood | Used to make bowls | Densmore 1929, 170; Grant 1890, 332 |
| Ojibwa | North America | wood | Used to make spoons | Grant 1890, 332; Roger 1981, 238 |
| Ojibwa | North America | wood | Used to make clubs | Densmore 1929, 170 |
| Ojibwa | North America | wood | Shaped into poles, used in making structures | Hallowell 1942 |
| Ojibwa | North America | wood | Used in making gaming pieces | Hilger 1951, 112 |
| Ojibwa | North America | wood | Used to make paddles | Hilger 1951, 117 |
| Ojibwa | North America | wood | Used in making cradle boards | Jenness 1935, 90 |
| Ojibwa | North America | wood | Used to make gauges deployed in fishing | Rogers 1962, 15 |
| Ojibwa | North America | wood | Used to make drum beaters | Rogers 1962, d12 |
| Ojibwa | North America | wood | Burned green during winter as it burns slowly overnight | Rogers 1962, c58 |
| Ojibwa | North America | wood (rotten) | Burned and the smoke used to treat hides prior to their use in making clothing | Rogers 1962, c57 |
| Ojibwa | North America | punk (rotten wood) | Used in making fire using a bow drill | Skinner 1911, 138 |
| Ojibwa | North America | wood (knots)  | Used to make bowls | Skinner 1911, 134 |
| Ainu | Asia | bark | Used with spruce resin to bind wounds (humans and dogs) | Ohnuki-Tierney 1984, 38 |
| Ainu | Asia | bark | Burned to create soot which is collected from a pan suspended over the fire and used in tattooing | Batchelor 1927, 47; Hitchcock 1891, 441; Munro, Seligman & Watanabe 1963, 118 |
| Ainu | Asia | bark | Boiled and the decoction used to cleaned cuts made in tattooing | Batchelor 1927, 47 |
| Ainu | Asia | bark | Twisted to make cord used for bow strings | Hitchcock 1891, 492 |
| Ainu | Asia | bark | Wrapped around bows to strengthen them | Hitchcock 1891, 492 |
| Ainu | Asia | bark | Used to make dishes | Hitchcock 1891, 492 |
| Ainu | Asia | bark | Dried bundles used as torches when spear fishing at night | Ohnuki-Tierney 1984, 27; Watanabe 1964, 21 |
| Koryaks | Asia | bark | Used as floats for nets | Jochelson 1905-1908, 527 |
| Koryaks | Asia | bark | Used to make containers to store tobacco on the belt | Jochelson 1905-1908, 580 |
| Koryaks | Asia | bark | Used to snow goggles | Jochelson 1905-1908, 604 |
| Nivkh | Asia | bark | Used to make various containers | Shrenk & Nagler 1881-1895, 451, 682; Black 1973, 9, 28, 671 |
| Nivkh | Asia | bark | Used in making bows | Shrenk & Nagler 1881-1895, 872 |
| Nivkh | Asia | bark | Used to make a musical instrument | Black 1973, 43, 1108 |
| Nivkh | Asia | bark | Rolled and used as torches | Shrenk & Nagler 1881-1895, 1137 |
| Nivkh | Asia | bark | Cut out of a toad representation, used by pasting onto a window | Shrenk & Nagler 1881-1895, 1155 |
| Nivkh | Asia | bark | Muzzle with toad depicted added to a dead bear during ritual | Shrenk & Nagler 1881-1895, 1161 |
| Nivkh | Asia | bark | Carried in the hand by the wife of the deceased as the dead body is processed to the cremation pyre | Shrenk & Nagler 1881-1895, 1228 |
| Nivkh | Asia | bark | Used to wrap the dead before being placed in coffins | Shrenk & Nagler 1881-1895, 1244 |
| Nivkh | Asia | bark | Used to make hats | Seeland and Schütze 1882, 11; Shrenk and Nagler 1881-1895, 573 |
| Nivkh | Asia | bark | Used as a covering for structures | Seeland & Schütze 1882, 16, 18; Shrenk & Nagler 1881-1895, 26, 542, 550 |
| Nivkh | Asia | bark | Used to make canoes | Seeland & Schütze 1882, 18; Black 1973, 21; Shrenk & Nagler 1881-1895, 793 |
| Nivkh | Asia | bark | Used to create mipitsch that are worn to cure sickness | Shrenk & Nagler 1881-1895, 1210 |
| Nivkh | Asia | bark | Placed around wooden piles of yurts to stop rats entering the structure | Shrenk & Nagler 1881-1895, 525 |
| Nivkh | Asia | bark | Used to make mats | Shrenk & Nagler 1881-1895, 542, 550 |
| Nivkh | Asia | bark | Used to embellish clothing | Shrenk & Nagler 1881-1895, 596 |
| Nivkh | Asia | bark | Used as a container to store hair cut from the deceased | Shrenk & Nagler 1881-1895, 614 |
| Nivkh | Asia | bark | Used to cover the ashes after a cremation | Shternberg *et al.* 1933, 129 |
| Samoyed | Asia | bark | Used in making containers | Prokof’eva & Bomwich 1950, 7; Donner & Rinehart 1954, 23; Hajdú, Esztergár & Csanyi 1963, 24 |
| Samoyed | Asia | bark | Used as a covering for structures | Adem 2012, 3; Donner & Rinehart 1954, 25, 46, 120 |
| Nenets | Asia | bark | Used as a covering for structures  | Engelhardt & Cooke 1899, 283; Prokof’eva 1964, 569; Verbov & Bromwich 1936, 20 |
| Nenets | Asia | bark | Used as a sponge to wash newborn babies and in the making of cradles | Islavin & Wise 1847, 62; Janhunen, 2012, 5 |
| Nenets | Asia | bark | Used in making bows and bowstrings | Lehtisalo & Kessler 1918, 8 |
| Nenets | Asia | bark | Tinder burned on the back of a person to drive out evil and cure sickness | Verbov & Bromwich 1936, 20 |
| Yukaghir | Asia | bark | Used to create snow goggles | Graburn & Strong 1973, 44; Jochelson 1975, 398 |
| Yukaghir | Asia | bark | Used to create baskets and containers | Graburn and Strong 1973, 44; Jochelson 1975, 410 |
| Yukaghir | Asia | bark | Used as a medium on which to create pictographic writing | Gurvich and Friedrich 2020, 2 |
| Yukaghir | Asia | bark | Set alight and swallowed during shamanic performance | Jochelson 1975, 200 |
| Yukaghir | Asia | bark | Used to cover burials to protect them from the rain | Jochelson 1975, 229 |
| Yukaghir | Asia | bark | Used in making bows | Jochelson 1975, 383 |
| Yukaghir | Asia | bark | Used as a pattern for cutting out material for hats and mittens | Jochelson 1975, 398 |
| Kaska | North America | bark | Used to make shields | Honigmann 1954, 93 |
| Kaska | North America | bark | Used to make horns to call to animals  | Honigmann 1954, 37, 41 |
| Kaska | North America | bark | Used to make dishes and containers | Honigmann 1954, 40, 43 |
| Kaska | North America | bark | Used to make baskets | Honigmann 1954, 43 |
| Kaska | North America | bark | Used to make snow goggles | Honigmann 1954, 52 |
| Kaska | North America | bark | Dried and used in fire lighting | Honigmann 1954, 61 |
| Kaska | North America | bark | Used to make hats | Honigmann 1954, 64, 67 |
| Kaska | North America | bark | Used with other materials to make helmets | Honigmann 1954, 93 |
| Western woods Cree | North America | bark | Use to make snowshoes | Smith 1981, 262 |
| Western woods Cree | North America | bark | Use to make utensils | Mason 1967, 12, 28 |
| Nuxalk | North America | bark | Used to make drumsticks | McIlwraith 1948, 78 |
| Western Apache | North America | bark | Used to create bowls, associated with pre- and post- warfare ritual | Bourke 1892, 495 |
| Western Apache | North America | bark | Used in dyeing deer skins | Reagan 1929, 13 |
| Assiniboine | North America | bark(?) | Used to make torches | Kennedy 1972, 17 |
| Assiniboine | North America | bark | Used to make containers | Long *et al*. 1961, xxx |
| Assiniboine | North America | bark | Used to make human figures used in ceremony to make people fall in love | Long *et al.* 1961, 160; Rodnick 1938, 61 |
| Assiniboine | North America | bark | Used to make canoes | Ray 1974, 157 |
| Tlingit | North America | bark | Used to make containers | Laguna 1972, 35a; Krause & Gunter 1956, 241; Olson 1967, 40a |
| Tlingit | North America | bark | Used to make cases to contain tobacco (snuff) | Emmons & Laguna 1991, 155 |
| Tlingit | North America | bark | Used to hats used by shamans | Emmons & Laguna 1991, 220 |
| Ingalik | North America | bark | Used to make containers | Osgood 1970, 49, 133 |
| Ingalik | North America | bark | Used along with other materials in making coffins | Nelson & VanStone 1978, 29 |
| Ingalik | North America | bark | Used to create ornamented headbands | Nelson & VanStone 1978, 41; Osgood 1970, 307 |
| Ingalik | North America | bark | Used to cover structures | Nelson & VanStone 1978, 46; Osgood 1970, 317; Osgood 1958, 31; VanStone 1979, 73 |
| Ingalik | North America | bark | Used in making coffin houses | Osgood 1970, 412 |
| Ingalik | North America | bark | Used to make canoes | Nelson & VanStone 1978, 48; Osgood 1970, 29, 48 |
| Ingalik | North America | bark | Folded and used as plates and dishes | Osgood 1970, 47; Osgood 1959, 59 |
| Ingalik | North America | bark | Used as a pad for holding hot rocks  | Osgood 1970, 95 |
| Ingalik | North America | bark | Used for making boxes to hold snuff or tobacco | Osgood 1970, 118 |
| Ingalik | North America | bark | Used to make funnels | Osgood 1970, 175 |
| Ingalik | North America | bark | Used as a cast to set broken limbs | Osgood 1970, 189; Osgood 1958, 229 |
| Ingalik | North America | bark | Used as a medium on which to draw maps | Osgood 1970, 189 |
| Ingalik | North America | bark | Used as a cutting board | Osgood 1970, 195 |
| Ingalik | North America | bark | Used to make cradles for infants | Osgood 1970, 278 |
| Ingalik | North America | bark | Attached to posts in structures to deter rodents | Osgood 1970, 330 |
| Ingalik | North America | bark | Wrapped around cache posts to deter pests | Osgood 1959, 32 |
| Ingalik | North America | bark | Used in preparing underground caches | Osgood 1970, 333; Osgood 1958, 158 |
| Ingalik | North America | bark | Used as part of grave furniture | Osgood 1970, 409; Osgood 1958, 149 |
| Ingalik | North America | bark | Used as the fuel for a small fire set in a house where someone has died. Smoke thought to be disagreeable to spirits and cleanse residents | Osgood 1970, 417; Osgood 1958, 151 |
| Ingalik | North America | bark | Used to fuel a fire for burning possessions of the deceased not distributed to others | Osgood 1958, 154 |
| Ingalik | North America | bark | Used as a covering for grave goods that may not fit in the grave | Osgood 1958, 154 |
| Ingalik | North America | bark | Burned by shamans. Smoke deters evil spirits | Osgood 1959, 75 |
| Ingalik | North America | bark | Used as a medium on which to make maps | Osgood 1959, 54 |
| Ingalik | North America | bark | Used to make targets to practice with the bow and arrow | Osgood 1958, 50 |
| Delaware | North America | bark | Used in making medicines | Heckewelder 1819, 217; Newcomb 1956, 71; Zeisberger, Hulbert & Schwarze 1910, 52 |
| Delaware | North America | bark | Used in making canoes | Herman 1950, 55; Newcomb 1956, 29; Zeisberger, Hulbert & Schwarze 1910, 39 |
| Copper Inuit | North America | bark | Used to set alight seal whiskers during their processing | Pryde 1972, 139 |
| Innu | North America | bark | Used in making containers | Lips 1947a, 53; Fitzhugh 1972, 48A; Lips 1947b, 389A, 392A; McGee 1961, 95; Speck 1935, 202; Speck 1937, 51 |
| Innu | North America | bark | Used to wrap beaver bones left over from a ceremony involving coming with animals spirits to ensure good huntington. Bones are placed in a tree, linked to respectful treatment | Lips 1947b, 389A |
| Innu | North America | bark | Coils of bark (or strips with resin) are bound, attached to a stick and used as a torch during spear fishing | McGee 1961, 82 |
| Innu | North America | bark | Used in making canoes | Tanner 1944, 638; Burgesse 1944, 7; Fitzhugh 1972, 48A; Lane 1952, 18; Turner 1894, 304 |
| Innu | North America | bark | Powdered and used to clean small children | Lane 1952, 28 |
| Innu | North America | bark | Used to cover structures | Desbarats 1969, xiii; Lane 1952, 53; Lips 1947b, 391B  |
| Innu | North America | bark | Used as stencils for creating designs to add embellishment to clothing | Lips 1947a, 46, 47; Lips 1947b, 385B |
| Innu | North America | bark | Used to package tobacco, which is added to the grave as a grave good | Lips 1947b, 415B |
| Innu | North America | bark | Used as a material to write on  | Lips 1947b, 451B |
| Innu | North America | bark | Used for creating the covering for spirit houses  | Lips 1947b, 480A |
| Innu | North America | bark | Used as a covering for structures | Lips 1947a, 33; Speck & Eisley 1942, 233a; Tanner 1944, 628 |
| Innu | North America | bark | Used to cover (protect) and disguise caches of supplies stored in the forest | Lips 1947a, 39 |
| Innu | North America | bark | Blackened and used as a material symbol to convey the message that there has been a death | Lips 1937, 227 |
| Innu | North America | bark | Used to packaged bait used in traps (protects from consumption by other species not target by the trap) | Lips 1936, 13 |
| Innu | North America | bark | Used to build a hut over graves | Speck 1935, 52 |
| Innu | North America | bark | Used as a tinder | McGee 1961, 94 |
| Innu | North America | bark | Used to make trays for serving food | Speck 1935, 62 |
| Innu | North America | bark | Used to make pipes | Speck 1935, 100 |
| Innu | North America | bark | Used to wrap the jaw bones of large fish, which are suspended from trees for luck | Speck 1935, 120 |
| Innu | North America | bark | Used for making maps and charts | Speck 1935, 144; Speck & Eisley 1942, 2171; Tanner 1944, 602 |
| Innu | North America | bark | Laid on the ground if sleeping out in the snow | Speck 1935, 185 |
| Innu | North America | bark | Used to create art by biting with the teeth to leave indented patterns | Speck 1937, 76 |
| Innu | North America | bark | Placed on the forehead as a support for straps used in carrying | Turner 1894, 292 |
| Ojibwa | North America | bark | Used to cover structures | Barnouw 1950, 118; Barrett 1911, 254; Bishop 1974, 95; Buffalohead 1983, 241; Cameron 1890, 256; Densmore 1929, 22; Grant 1890, 329; Hallowell 1955, 123; Hallowell and Brown 1991, 18; Hesketh 1923, 91; Hilger 1939, 45; Hoffman 1891, 157; Kinietz 1947, 29; Kohl & Wraxall 1860, 9; Ritzenthaler 1953, 177; Roger 1978, 762; Warren 1885, 98 |
| Ojibwa | North America | bark | Used in making containers | Barrett 1911 254; Densmore 1929, 13; Hickerson 1988, 13; Hilger 1939, 101, 138, 140; Jenness 1935, 10; Theriault 1992, 18, 45; Vennum 1988, 3 |
| Ojibwa | North America | bark | Boiled with the liquid being used to treat a sore foot and the bark used as a poultice | Theriault 1992, 24 |
| Ojibwa | North America | bark | Used in making dishes and cups | Jenness 1935, 17; Tanner & James 1830, 108 |
| Ojibwa | North America | bark | Used for collecting and/or storing processed maple sugar | Densmore 1913, 231; Jenness 1935, 13; Theriault 1992, 12 |
| Ojibwa | North America | bark | Used in making canoes | Hilger 1951, 116; Kohl & Wraxall 1860, 172; Barrett 1911, 254; Bishop 1974, 95; Densmore 1929, 20; Hallowell 1955, 208-209; Hickerson 1988, 13; Hilger 1951, 116; Roger 1978, 762; Theriault 1992, 14; Vennum 1988, 3; Warren 1885, 40 |
| Ojibwa | North America | bark | Used to make rattles and mouth organs | Densmore 1929, 168; Kinietz 1947, 191 |
| Ojibwa | North America | bark | Used to make torches for illumination | Hilger 1939, 150 |
| Ojibwa | North America | bark | Part of the apparatus used to attach beads | Densmore 1929, 191 |
| Ojibwa | North America | bark | Used to apply a remedy to a wound caused by sorcerers by Wabeno | Jenness 1935, 63 |
| Ojibwa | North America | bark | Used to make snuff boxes | Barrett 1911, 254 |
| Ojibwa | North America | bark | Used to make torches, sometimes coated in pitch | Densmore 1929, 13, 126, 149; Doherty 1990, 24; Hallowell 1955, 261; Jenness 1935, 15; Kohl and Wraxall 1860, 311; Landes 1937, 90; Vennum 1988, 122 |
| Ojibwa | North America | bark | Mixed with resin and used as a torch | Hilger 1939, 150 |
| Ojibwa | North America | bark | Used in combination with other plants to make hats | Densmore 1929, 30 |
| Ojibwa | North America | bark | Used to line pits used for underground food caches | Densmore 1929, 39 |
| Ojibwa | North America | bark | Used in making cradle boards for infants | Densmore 1929, 39 |
| Ojibwa | North America | bark | Used to wrap the dead prior to deposition into the grave | Densmore 1929, 75; Grant 1890, 364; Jenness 1935, 104; Kinietz 1947, 143 |
| Ojibwa | North America | bark | Used to build a structure over the grave | Kinietz 1947, 146 |
| Ojibwa | North America | bark | Folded to form a snake-like zig-zag, hung outside of the tent by the recently bereaved to scare away the spirit of the deceased | Jenness 1935, 108 |
| Ojibwa | North America | bark | Lock of hair cut from the deceased and wrapped in bark to act as the nucleus of a spirit bundle | Densmore 1929, 77-78 |
| Ojibwa | North America | bark | Used as a medium on which to record information and pictographic writing | Densmore 1929, 86, 174; Hickerson 1974; Hilger 1939, 167; Hoffman 1891, 164, 165, 255, 287; Kohl & Wraxall 1860, 145 |
| Ojibwa | North America | bark | Used for fire lighting | Densmore 1929, 142; Theriault 1992, 36; Vennum 1988, 119 |
| Ojibwa | North America | bark | Used as a component in making rattles | Densmore 1929, 165 |
| Ojibwa | North America | bark | Used to create geometric art and stencils | Densmore 1929, 183 |
| Ojibwa | North America | bark | Powdered, boiled, and consumed as medicine | Densmore 1913, 64 |
| Ojibwa | North America | bark | Used to wrap charms prior to battle | Densmore 1913, 106 |
| Ojibwa | North America | bark | Used to create human effigies carried in medicine bags suspended from the neck | Hoffman 1891, 163 |
| Ojibwa | North America | bark | Used as a medium on which to draw animals targeted in the hunt, the location of their hearts painted with vermilion, ensuring hunting success | Hoffman 1891, 221 |
| Ojibwa | North America | bark | Rolled and used as a trumpet to make animal calls | Jenness 1935, 15 |
| Ojibwa | North America | bark | Used to make kettles | Jenness 1935, 16 |
| Ojibwa | North America | bark | Used to create an owl mask depicting kokoko. Hung outside living structures to keep children indoors at night  | Jenness 1935, 95 |
| Ojibwa | North America | bark | Used to create anthropomorphic depictions used in medicine ceremonies enacted to improve hunting success | Kinietz 1947, 53 |
| Ojibwa | North America | bark | Used to create depictions that are named, shot, and buried, with the intent of causing harm to the named person | Rogers 1962, d14 |
| Ojibwa | North America | bark | Used to create art by biting with the teeth to leave indented patterns | Kohl & Wraxall 1860, 412 |
| Ojibwa | North America | bark | Used s a cast to set broken limbs | Ritzenthaler 1953, 196; Theriault 1992, 58 |
| Ojibwa | North America | bark | Used to line caches | Vennum 1988, 146 |
| Ojibwa | North America | bark | Used to make string | Vennum 1988, 86 |
| Mi’kmaq | North America | bark | Used for making containers / drinking vessels | Wallis & Wallis 1955, 70; Prins 1996, 30 |
| Mi’kmaq | North America | bark | Used for making dippers | Wallis & Wallis 1955, 75 |
| Mi’kmaq | North America | bark | Used for covering structures | Bock 1966, 6; Denys 1908, 405, 420; Le Clerq & Ganong 1910, 100; Prins 1996, 93; Speck 1922, 113; Wallis & Wallis 1953, 117; Wallis & Wallis 1955, 57 |
| Mi’kmaq | North America | bark | Used for recording pictographic writing and written messages | Prins 1996, 171; Wallis & Wallis 1955, 56 |
| Mi’kmaq | North America | bark | Used for making maps and charting trails  | Speck 1922, 98, 106; Wallis & Wallis 1955, 54 |
| Mi’kmaq | North America | bark | Used to make torches used for hunting birds / fish at night by canoe | Denys 1908, 435; Prins 1996, 29 |
| Mi’kmaq | North America | bark | Used to make a musical instrument, some used by a shaman, others by children | Johnson 1943, 62; Wallis & Wallis 1955, 191 |
| Mi’kmaq | North America | bark | Used for making canoes. Rolled and carried to repair canoes | Bock 1966, 6; Bock 1978, 111; Prins 1996, 31, 92; Wallis & Wallis 1953, 117; Wallis & Wallis 1955, 42 |
| Mi’kmaq | North America | bark | Used to make a sail used in conjunction with birch bark canoes | Wallis & Wallis 1955, 47 |
| Mi’kmaq | North America | bark | Used for making utensils | Bock 1966, 6 |
| Mi’kmaq | North America | bark | Rolled and used as an animal call | Wallis & Wallis 1955, 37 |
| Mi’kmaq | North America | bark | Burned during the smoking of fish to impart flavour  | Wallis & Wallis 1955, 62 |
| Mi’kmaq | North America | bark | Rolled and attached to a spruce root to make a pipe | Wallis & Wallis 1955, 68 |
| Mi’kmaq | North America | bark | Used to make hats | Wallis & Wallis 1955, 81 |
| Mi’kmaq | North America | bark | Used as a cape during rainy conditions to stay dry | Wallis and Wallis 1955, 81 |
| Mi’kmaq | North America | bark | Ashes mixed with other ingredients and the resultant broth given to dogs to ensure they are good hunters | Wallis & Wallis 1955, 115 |
| Mi’kmaq | North America | bark | Used to wrap the dead prior to burial | Wallis & Wallis 1955, 258, 259 |
| Mi’kmaq | North America | bark | Used as a cast to set broken limbs | Wallis & Wallis 1955, 125 |
| Mi’kmaq | North America | bark | Large pieces used as a drum | Wallis & Wallis 1955, 180, 187 |
| Omaha | North America | bark | Used to make canoes (historical) | Fletcher 1911, 81 |
| Kutenai | North America | bark | Used to make canoes | Chamberlain 1893, 566 |
| Kutenai | North America | bark | Used to make kettles and baskets | Chamberlain 1893, 567; Turney-High 1941, 76 |
| Kutenai | North America | bark | Used to make cradle boards to transport infants | Tro 1967, 5; Turney-High 1941, 114 |
| Crow | North America | bark | Used in making medicine bundles | Wildschut & Ewers 1960, 157 |
| Crow | North America | bark | Used to draw anthropomorphic figures used in love medicine | Wildschut & Ewers 1960, 163 |
| Comanche | North America | bark | Used as paper for pictographic writing | Lee 1957, 120; Wallace & Hoebel 1952, 265 |
| Nuxalk | North America | bark | Used to contain materials used in love medicine | McIlwraith 1948, 714 |
| Nuxalk | North America | bark | Birch(?) boiled and the liquid consumed as a purgative | McIlwraith 1948, 727 |
| Nuxalk | North America | bark(?) | Used to make torches | McIlwraith 1948, 604 |
| Winnebago / Ho-Chunk | North America | bark | Used to make containers | Radin 1923, 108 |
| Winnebago / Ho-Chunk | North America | bark | Used to make canoes | Radin 1923, 123 |
| Western woods Cree | North America | bark | Used to make canoes | Mason 1967, 10, 23; Smith 2009, 4 |
| Western woods Cree | North America | bark | Used to make containers | Mason 1967, 11 |
| Western woods Cree | North America | bark | Used to repair canvas teepees | Mason 1967, 69 |
| Western woods Cree | North America | bark | Used to make baskets | Smith 2009, 4 |
| Slavey | North America | bark | Used to make canoes | Helm 1954, 197; Honigmann 1946, 43, 49; Williamson 1955, 126 |
| Slavey | North America | bark | Rolled and used to call animals via emulating their call | Honigmann 1946, 36 |
| Slavey | North America | bark | Used to make containers | Honigmann 1946, 39, 54, 120 |
| Eyak | North America | bark | Used to make containers | Birket-Smith 1938, 80 |
| Alutiiq | North America | bark | Used in making hunting implements (harpoons) | Birket-Smith 1941, 135, 142 |
| Aleut | North America | bark | Scorched and given as gifts by shamans to cure disease or promote good luck | Innokentii *et al.* 1840, 5-6 |
| Aleut | North America | bark | Placed against bone fish hooks to provide grip for the sinew binding that is attached  | Jochelson 1925, 89 |
| Aleut | North America | bark | Used as packing in the joints of harpoons | Mason 1902, 298-299 |
| Blackfoot | North America | bark | Used to create human figures used in love medicine | Ewers 1958, 98 |
| Blackfoot | North America | bark | Used as a covering for shelters | Wissler 1910, 115 |
| Chipewyans | North America | bark | Rolled and used to call animals | Birket-Smith 1930, 23; Jarvenpa 1980, 92 |
| Chipewyans | North America | bark | Rolled and used a a torch when night fishing from a canoe | Birket-Smith 1930, 27 |
| Chipewyans | North America | bark | Used to make canoes | Birket-Smith 1930, 41; Gillespie 1976, 9; Hearne 1958, 58; Smith 1982, 11 |
| Chipewyans | North America | bark | Used to make kettles | Hearne 1958, 179 |
| Chipewyans | North America | bark | Used to make containers | Birket-Smith 1930, 48; Brumbach 1997, 428; Hearne 1958, 203 |
| Chipewyans | North America | bark | Used to make cups | Li and Scollon 1976, 70 |
| Kutenai | North America | inner bark | Boiled and used to make a treatment for sore eyes | Chamberlain 1893, 573 |
| Slavey | North America | inner bark | Used to make snow goggles | Honigmann 1946, 49 |
| Innu | North America | inner bark | Used as a famine food | Tanner 1944, 624 |
| Ingalik | North America | inner bark | Used as a food | Osgood 1959, 43 |
| Ingalik | North America | inner bark | Boiled and the liquid poured on the body as a medicine for pimples | Osgood 1970, 187; Osgood 1958, 229 |
| Ingalik | North America | inner bark | Used as a food | Skinner 1911, 134 |
| Kaska | North America | fibers (inner bark?) | Used as a foodstuff, eaten raw | Honigmann 1954, 32, 44 |
| Kaska | North America | sap | Tapped and consumed as a foodstuff / drink | Honigmann & Helm 1983, 443; Honigmann 1954, 32, 41 |
| Chipewyans | North America | sap | Consumed as a foodstuff  | Jarvenpa 1979, 359; Jarvenpa 1980, 210 |
| Chipewyans | North America | syrup (processed sap) | Mixed with pounded fish and consumed as a foodstuff  | Smith 1982, 18, 94 |
| Ojibwa | North America | syrup (processed sap) | Consumed as a drink | Skinner 1911, 134 |
| Nenets | Asia | branch | Rods used to flog idols positioned near fox lairs if only a limited return of fox are recovered | Islavin and Wise 1847, 61 |
| Slavey | North America | branch | Used in stretching animal skins | Honigmann 1946, 101 |
| Chipewyans | North America | branch | Cut to reveal the inner tissues and used as bait in traps | Jarvenpa 1980, 111 |
| Mi’kmaq | North America | branch | Woven together to make fishing nets | Wallis & Wallis 1955, 28 |
| Mi’kmaq | North America | branch | Twisted to make snares | Wallis & Wallis 1955, 36 |
| Mi’kmaq | North America | branch | Bound together and used as a broom | Wallis & Wallis 1955, 76 |
| Mi’kmaq | North America | branch | Used to make thongs by first boiling with fat and the twisting together the fibres | Wallis & Wallis 1955, 78 |
| Yukaghir | Asia | twigs | Heated in water and used to stitch parts of boats together | Jochelson 1975, 376 |
| Alutiiq | North America | twigs | Rubbed across the body during steam baths | Clark 1974, 140; Shelikhov 1795 |
| Northern Paiute | North America | twigs | Used to make paint brushes | Wildschut & Ewers 1960, 28 |
| Mi’kmaq | North America | twigs | Twisted to make fishing line | Wallis & Wallis 1955, 27 |
| Mi’kmaq | North America | twigs | Used in making a hanger from which a vessel can be hung in a structure  | Wallis & Wallis 1955, 38 |
| Mi’kmaq | North America | twigs | Used in making traps | Wallis & Wallis 1955, 36 |
| Mi’kmaq | North America | twigs | Used to make string used to suspend eels during the smoking and drying process  | Wallis & Wallis 1955, 62 |
| Mi’kmaq | North America | twigs | Boiled in combination with other plants to make a medicinal tea | Wallis & Wallis 1955, 66 |
| Chipewyans | North America | leaves | Fresh green leaves placed on graves | VanStone 1963, 55; VanStone 1965, 68 |
| Ojibwa | North America | leaves | Used with quartz and tobacco to create a charm to keep thunderstorms at bay | Densmore 1929, 108 |

Appendix Table B: *Pinus*.

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| --- | --- | --- | --- | --- |
| **Culture** | **Location** | **Material** | **Use** | **Reference** |
| Koryaks | Asia | root | Favoured in carving | Jochelson 1905-1908, 647, 660, 665 |
| Mi’kmaq | North America | root | Boiled and used as thread in building canoes | Wallis & Wallis 1955, 44 |
| Ingalik | North America | root | Outer skin peeled and processed to create nets | Osgood 1970, 138 |
| Ingalik | North America | root | Used in making traps | Lips 1936, 12 |
| Chipewyans | North America | root | Boiled and used to make baskets | Birket-Smith 1930, 48 |
| Alutiiq | North America | root | Used to make baskets | Clark 1974, 26a |
| Ojibwa | North America | root | Used to make torches used in night fishing | Hilger 1951, 127 |
| Ojibwa | North America | root | Split and used as thread to stitch birch bark | Vennum 1988, 119 |
| Ojibwa | North America | root | used as thread to stitch birch bark canoes | Warren 1885, 98 |
| Pomo | North America | root | Used as a binding material in making paddles | Barrett 1952, 166 |
| Pomo | North America | root | Heated, split, and the fibers used in making baskets | Barrett 1952, 138, 264; Kniffen 1939, 379 |
| Yokuts | North America | root | Used in making baskets | Powers 1877, 377 |
| Quinault | North America | root | Used in making clothes, nets and baskets | Skoggard 2001, 4; Willoughby 1886, 273 |
| Nenets | Asia | wood | Used in combination with birst to make crossbows | Lehtisalo & Kessler 1918, 8 |
| Nenets | Asia | wood | Used to carve some death sjaattyy | Lehtisalo & Schütze 1924, 112 |
| Yukaghir  | Asia | wood | Thin shavings used to cover wounds | Jochelson 1975, 30 |
| Samoyed | Asia | wood | Used to make wattles positioned in the water to act as fish traps | Golovnyov *et al.* 1994, 325 |
| Nivkh | Asia | wood | Chip used as a fuel in a lamp (typically where other fuels not available) | Seeland & Schütze 1882, 17 |
| Nivkh | Asia | wood | Hollowed out and made into boats | Shrenk & Nagler 1881-1895, 795 |
| Koryaks | Asia | wood | Favoured as a fuel as it is slow burning and hot | Jochelson 1905-1908, 387 |
| Koryaks | Asia | wood | Used to make a club utilised in fishing | Jochelson 1905-1908, 529 |
| Blackfoot | North America | wood | Used to make tipi poles, wind chimes, story-sticks | Hellson 1974, 117 |
| Alutiiq | North America | wood | Used to make bows | Birket-Smith 1941, 140 |
| Chipewyans | North America | wood | Used to make sledges | Birket-Smith 1930, 39 |
| Chipewyans | North America | wood | Used to make huts | Hearne 1958, 16 |
| Chipewyans | North America | wood | Used as firewood | Irimoto 1981, 35 |
| Ingalik | North America | wood | Used to make structures | VanStone 1979, 61 |
| Ingalik | North America | wood | Used to make seating | VanStone 1979, 34 |
| Ojibwa | North America | wood | Used to make arrows for hunting water birds (the arrows float) | Densmore 1929, 147 |
| Ojibwa | North America | wood | Used to build structures | Hallowell & Brown 1991, 100, 102; Hilger 1939, 49; Hilger 1951, 139; Hoffman 1891, 187; Rogers 1962, b65 |
| Ojibwa | North America | wood | Boiled along with other woods, the decoction used as a treatment for lung complaints | Hilger 1951, 91 |
| Ojibwa | North America | wood | Used to make boxes | Hoffman 1891, 288 |
| Ojibwa | North America | wood | Used in making dugout canoes | Jenness 1935, 112 |
| Ojibwa | North America | wood | Used to make an offering tree to ward off sickness | Ritzenthaler 1953, 214 |
| Creek | North America | wood | Used as a fuel | Swanton 1928b, 178 |
| Pomo | North America | wood | Used to make harpoon shafts | Kniffen 1939, 386 |
| Pomo | North America | wood | Used in the production of assembly houses | Powers 1877, 158 |
| Pomo | North America | wood | Used to make poles to manipulate fishing nets  | Loeb 1926, 168 |
| Pomo | North America | wood | Used to make ceremonial poles | Loeb 1926, 373 |
| Tlingit | North America | wood | Used to make dugout canoes | Emmons & Laguna 1991, 97 |
| Tlingit | North America | wood | Used in making arrows | Emmons & Laguna 1991, 126 |
| Yokuts | North America | wood | Used for making hot rock lifters | Gayton 1948, 79, 223 |
| Yokuts | North America | wood | Used in making bows | Gayton 1948, 155 |
| Yokuts | North America | wood | Used in making structures | Gayton 1948, 186 |
| Klamath | North America | wood | Used to make the drill in a fire drill kit | Spier 1930, 172 |
| Eastern Apache | North America | wood | Used in making structures | Stockel 1991, 156 |
| Ute | North America | wood | Favoured as a firewood | Smith 1974, 36 |
| Ute | North America | wood | Used in making structures | Smith 1974, 37 |
| Mescalero Apache | North America | wood | Carried as a preferred wood for fire starting | Basehart 1974, 66 |
| Pomo | North America | wood | Used to make a pole used in fishing | Barrett 1952, 154 |
| Yurok | North America | wood | Used as a fuel in the sweathouse. Tree socially selected and removed from the top of the tree | Keeling 1992, 65 |
| Yurok | North America | wood | Used as the fuel for the fire used in the ceremony to become a shaman | Kroeber 1925, 64 |
| Yurok | North America | wood | Slim poles used in making mats | Thompson 1916, 45 |
| Yurok | North America | wood | Used to make clubs | Waterman 1920, 221 |
| Assiniboine | North America | wood | Used in making structures | Long *et al.* 1961, 87; Lowie 1909, 14; Rodnick 1938, 76 |
| Blackfoot | North America | wood | Used in making structures | Dempsey 1986, 425; Ewers 1958, 116; Forde 1950, 60; Grinnell, 1962, 198; Lancaster 1966, 161; Wissler 1910, 99 |
| Blackfoot | North America | wood | Used in making travois | Dempsey 1986, 425; Ewers 1955, 103, 105 |
| Blackfoot | North America | wood | Used to make bows | Hungry Wolf 1977, 52 |
| Blackfoot | North America | wood | Used to make lances | Wissler 1913, 417 |
| Blackfoot | North America | wood(?) | Burned all with sweet smelling grasses and herbs to attract dream helper whilst making medicine | Grinnell 1962, 17 |
| Comanche | North America | wood | Used in making structures | Wallace & Hoebel 1952, 86 |
| Crow | North America | wood | Used in making structures | Lowie 1935, 88, 280; Murdock 1934, 268; Voget 2001, 699; 1995, 364 |
| Crow | North America | wood | Used in making staffs | Lowie 1913, 158; Lowie 1935, 184 |
| Crow | North America | wood | Burned to form charcoal. Charcoal used in tattooing | Lowie 1935, 82; Lowie 1922a, 229 |
| Stoney | North America | wood | Used in making structures | Snow 1977, 4 |
| Mescalero Apache | North America | wood | Favoured as a fuel and used in fire lighting | Basehart 1974, 66 |
| Mescalero Apache | North America | wood | Used to make eating utensils | Opler 1971, 86b |
| Northern Paiute | North America | wood | Used in making structures | Lowie 1924a, 219; Whiting 1950, 93 |
| Northern Paiute | North America | wood | Favoured as a fuel when smoking (e.g. skins) | Lowie 1924a, 228 |
| Northern Paiute | North America | wood | Used to make spear shafts | Lowie 1924a, 242 |
| Northern Paiute | North America | wood | Used in making bows | Lowie 1924a, 245 |
| Northern Paiute | North America | wood(?) | Chipped and burned to create smoke used to smoke hides | Whiting 1950, 97 |
| Ute | North America | wood | Used to make utensils  | Callaway, Janetski & Stewart 1986, 347; Smith 1974, 96 |
| Ute | North America | wood | Used to make cradle boards | Smith 1974, 102 |
| Ute | North America | wood | Used in making saddles | Smith 1974, 117 |
| Ute | North America | wood | Used to make a two pronged fishing spear | Hawley *et al.* 1950, 320 |
| Ute | North America | wood | Used in making structures | Jones 1955, 245; Smith 1974, 180 |
| Western Apache | North America | wood | Pieces struck by lightning used to make amulets | Bourke 1892, 477, 587, 593 |
| Western Apache | North America | wood | Used in making structures | Gerald 1958, 6; Goodwin & Kaut 1954, 397; Shaeffer 1958, 14, 16 |
| Ojibwa | North America | wood (knots) | Chopped and boiled with potatoes, consumed as a cure for earache | Hilger 1951, 92 |
| Ojibwa | North America | wood (rotten) | Powdered and used like talcum powder on infants | Hilger 1951, 25, 164 |
| Delaware | North America | wood (rotten) | Powdered and used to treat health ailments in babies | Tantaquidgeon 1942, 65 |
| Tlingit | North America | wood (rotten) | Burned and the resultant smoke used to change the colour of hides suspended over the fire to yellow if making moccasins, or less time if used for clothing | Emmons & Laguna 1991, 211 |
| Ojibwa | North America | wood (punk) | Used to make smudges to tan hides | Hilger 1951, 132 |
| Ojibwa | North America | wood (punk) | Used in tanning | Hilger 1951, 132 |
| Mi’kmaq | North America | wood (punk) | Used to tan hides by applying to the skin and then kneading for several hours before gently heating to loosen the hair | Wallis & Wallis 1955, 41 |
| Ojibwa | North America | wood (stump) | Favoured as a fuel for parching. Resin content ensured the fire would keeping burning and constantly | Vennum 1988, 119 |
| Delaware | North America | wood (whole tree) | Hole bored in the tree, hair placed within, and sealed. This is thought to bring about the death of the person to whom the hair belonged | Tantaquidgeon 1942, 60 |
| Blackoot | North America | wood (whole tree) | Set on fire, bark scraped to create sparks, used in a ceremony  | McClintock 1968, 410 |
| Blackfoot | North America | wood (burl) | Used to make bowls | Hellson 1974, 117 |
| Miskito | Middle America and the Caribbean | wood | Used in making structures | Coe & Anderson 1997, 182 |
| Miskito | Middle America and the Caribbean | wood | Used in making utensils | Coe & Anderson 1997, 183 |
| Miskito | Middle America and the Caribbean | wood | Used as a fuels where long burning time and high temperature are desirable  | Coe & Anderson 1997, 185 |
| Miskito | Middle America and the Caribbean | wood | Used to make torches. Torches used in the home and when fishing from boats. Added as a grave good to guide the deceased | Conzemius 1932, 33, 66, 155; Helms 1971, 117, 120; Pijoan 1946, 18, 22 |
| Samoyed | Asia | bark | Used to cover structures | Hajdú *et al.* 1963, 25 |
| Ojibwa | North America | bark | Used to cover structures | Densmore 1929, 154; Hilger 1939, 45; Hoffman 1891, 189 |
| Ojibwa | North America | bark | Boiled along with other woods, the decoction used as a treatment for lung complaints | Hilger 1951, 91 |
| Ojibwa | North America | bark | Used to make canoes | Vennum 1988, 61 |
| Slavey | North America | bark | Used to make canoes | Honigmann 1946, 43 |
| Innu | North America | bark | Used to make baskets | Lips 1947a, 28 |
| Western woods Cree | North America | bark | Used to cover structures | Mason 1967, 21 |
| Creek | North America | bark | Used to cover structures | Swanton 1928b, 177, 378 |
| Mi’kmaq | North America | bark (attached to the tree) | Used as a navigation aid. Bark grows thicker on the north side of the tree | Wallis & Wallis 1955, 53 |
| Mi’kmaq | North America | bark | Boiled with other tree barks to create a syrup. Used in association with sweat lodges | Wallis & Wallis 1955, 124 |
| Mi’kmaq | North America | bark | Boiled and consumed medicinally and as a tea | Wallis & Wallis 1955, 129 |
| Mi’kmaq | North America | bark | Mixed with twigs and needles to make a medicinal tea | Wallis & Wallis 1955, 130, 133 |
| Mi’kmaq | North America | bark | Scraped, boiled until soft, mixed with greases, and applied to wounds | Wallis & Wallis 1955, 131 |
| Nuu-Chah-Nulth | North America | bark | Used to make clothing | Fleisher 2011, 4 |
| Nuu-Chah-Nulth | North America | bark | Used to make blankets | Swan 1870, 15 |
| Pomo | North America | bark | Burned with other ingredients, smoke used to fumigate the person to cure bad luck in gambling | Barrett 1952, 333 |
| Pomo | North America | bark | Used as an emergency foodstuff | Powers 1877, 150 |
| Quinault | North America | bark | Boiled and the infusion drunk for stomach and blood problems | Olson 1936, 181; Storm 1990, 63 |
| Tlingit | North America | bark | Used in making blankets | Laguna 1972, 435a; Emmons & Laguna 1991, 231 |
| Yokuts | North America | bark | Used in making structures | Gayton 1948, 160; Spier 1978, 476 |
| Yokuts | North America | bark | used to cover granaries storing acorns to keep the contents dry | Gayton 1948, 187 |
| Yurok | North America | bark | Pounded and mixed with water, given to a baby when ill | Keeling 1992, 25, 100 |
| Klamath | North America | bark | Used in making containers | Spier 1930, 176 |
| Kutenai | North America | bark | Used in making canoes | Chamberlain 1893, 566 |
| Mescalero Apache | North America | bark | Used as a fuel for firing pottery | Opler 1971, 78a |
| Ute | North America | bark | Used as a fuel for firing pottery | Opler 1939, 163 |
| Mescalero Apache | North America | inner bark | Interior of the bark used as a foodstuff | Basehart 1974, 66 |
| Ute | North America | inner bark | Used as a foodstuff | Smith 1974, 65 |
| Ojibwa | North America | inner bark | Used as a foodstuff | Grant 1890, 331 |
| Alutiiq | North America | inner bark | Used as a foodstuff | Birket-Smith 1953, 43 |
| Tlingit | North America | inner bark | Used as a foodstuff | Emmons & Laguna 1991, 141, 152 |
| Tlingit | North America | inner bark | Pounded into a powder on a hot rock, mixed with oil and applied to external health ailments as a poultice | Emmons & Laguna 1991, 362 |
| Creek | North America | inner bark | Boiled and drunk as a cure for dysentery | Swanton 1928a, 664 |
| Nu-Chah-Nulth | North America | inner bark | Dried, applied to the skin and burned to help treat strumous tumors | Swan 1870, 79 |
| Klamath | North America | inner bark | Consumed as a foodstuff | Barrett 1910, 258; Spier 1930, 165 |
| Eastern Apache | North America | inner bark | Consumed as a foodstuff | Castetter & Opler 1936, 43 |
| Eastern Apache | North America | inner bark | Processed and used as a sweetener | Opler 1983, 413 |
| Eastern Apache | North America | inner bark | Used to make an intoxicating beverage | Castetter & Opler 1936, 52 |
| Mescalero Apache | North America | inner bark | Consumed as a foodstuff | Basehart 1974, 66; Sonnichsen 1973, 22 |
| Mescalero Apache | North America | inner bark | Used as a sweetener in food | Opler 1969, 21; Opler 1983, 432  |
| Western Apache | North America | inner bark | Consumed as a foodstuff | Buskirk 1986, 192 |
| Ainu | Asia | gum | Used as a glue in making arrows | Batchelor 1927, 310 |
| Mi’kmaq | North America | gum | Boiled with animal fat and used as waterproof seams of canoes | Wallis & Wallis 1955, 44; Prins 1996, 31 |
| Ingalik | North America | gum | Collected from the tree, melted and mixed with fish oil for use as a glue | Osgood 1970, 190 |
| Ingalik | North America | gum | Utilised as a glue in making birch bark canoes | Osgood 1970, 48, 359 |
| Ingalik | North America | gum | Mixed with fish oil and applied to cache posts as a glue to deter pests | Osgood 1959, 32 |
| Ojibwa | North America | gum | Bark scraped to release gum, gum boiled, skimmed and stored, later mixed with charcoal and used to waterproof canoes | Densmore 1929, 149; Hilger 1951, 116; Hoffman 1891, 198 |
| Ojibwa | North America | gum | Utilised as a glue in making canoes | Hickerson 1988, 13; Theriault 1992, 14 |
| Ojibwa | North America | gum | Used to make torches | Densmore 1929, 149 |
| Ojibwa | North America | gum | Used to make torches used to smoke out raccoons | Johnston 1988, 176 |
| Pomo | North America | gum | Used to make the eyes in deer masks | Barrett 1952, 126 |
| Pomo | North America | gum | Burned with other ingredients, smoke used to fumigate the person to cure bad luck in gambling | Barrett 1952, 333 |
| Pomo | North America | gum | Applied to the stick carried by the Kuksu | Loeb 1926, 321 |
| Yuki | North America | gum | Chewed as a gum | Curtin & Irwin 1957, 14; Foster 1944, 167, 226 |
| Yuki | North America | gum | Used as an ink in tattooing | Foster 1944, 181 |
| Assiniboine | North America | gum | used as an ingredient in love medicine | Rodnick 1938, 61 |
| Klamath | North America | gum | Consumed as a foodstuff | Spier 1930, 165 |
| Mescalero Apache | North America | gum | Used to glue poison onto arrow points | Opler 1971, 94a |
| Mescalero Apache | North America | gum  | Used as a chewing gum | Sonnichsen 1973, 22 |
| Northern Paiute | North America | gum | Applied to the inside and outside of containers to waterproof them. To coat the interior, tar was applied to pebbles, pebbles inserted into the vessel and shaken | Kelly 1934, 124 |
| Northern Paiute | North America | gum | Used in fletching arrows to glue feathers to arrow shaft | Kelly 1934, 144 |
| Ute | North America | gum | Applied to the inside of water containers by melting and pouring into the vessel along with pebbles, then shaken to ensure an even coating | Smith 1974, 94 |
| Ainu | Asia | resin | Used with birch bark to bind wounds (humans and dogs) | Ohnuki-Tierney 1984, 38 |
| Nenets | Asia | resin  | Mix resin with soot and heat to waterproof the birch component of crossbows | Lehtisalo and Kessler 1918, 8 |
| Chipewyans | North America | resin | Used to caulk canoe seems | Birket-Smith 1930, 42 |
| Ojibwa | North America | resin | Traditionally used to create torches to aid in hunting  | Hilger 1951, 122 |
| Delaware | North America | resin | Used to affix stone arrow projectile tips to shafts | Goddard 1978, 217 |
| Delaware | North America | resin? | Used to make candles | Goddard 1978, 217 |
| Yurok | North America | resin | Used as a glue to attach a line to a detachable spear foreshaft. Used in spear fishing. | Heizer *et al.* 1952, 169 |
| Blackfoot | North America | resin | Combined with boiled steer hoof and phallus and used as a glue for bows  | Hellson 1974, 117 |
| Blackfoot | North America | resin | Used to waterproof moccasins  | Hellson 1974, 117 |
| Ojibwa | North America | resin | Used to make torches by heating, saturating rags, and wrapping these around a stick | Hilger 1951, 122 |
| Ojibwa | North America | resin | Used to waterproof birch bark canoes | Kohl & Wraxall 1860, 32 |
| Innu | North America | resin | Used to waterproof birch bark containers | Lips 1947a, 53 |
| Innu | North America | resin | Used to waterproof birch bark canoe seams | Tanner 1944, 638 |
| Mescalero Apache | North America | resin | Used to waterproof woven containers | Basehart 1974, 66 |
| Yurok | North America | varnish (resin?) | Used to paint the face of men on special occasions. Patterns drawn into the substance while still wet.  | Heizer *et al.* 1952, 123 |
| Yurok | North America | resin | Used in combination with animal sinew to haft spears | Heizer *et al.* 1952, 169 |
| Eastern Apache | North America | resin | Used as a chewing gum | Castetter & Opler 1936, 45 |
| Pomo | North America | exudate (resin? gum?) | Used as a chewing gum | Barrett 1952, 80 |
| Ojibwa | North America | tar | Used to waterproof birch bark canoes | Vennum 1988, 141 |
| Delaware | North America | tar | Used medicinally to relieve back pain | Tantaquidgeon 1942, 54 |
| Ojibwa | North America | pitch | Used to waterproof birch bark canoes | Landes 1938, 106; Warren 1885, 98 |
| Ojibwa | North America | pitch | Used to patch baskets | Vennum 1988, 169 |
| Creek | North America | pitch | Used in fire lighting | Swanton 1928b, 179 |
| Creek | North America | pitch | Used as an ink in tattooing | Swanton 1928b, 417 |
| Winnebago / Ho-Chunk | North America | pitch | Used to make torches used in night fishing | Radin 1923, 114 |
| Nuu-Chah-Nulth | North America | pitch | Used in hafting harpoons | Koppert 1930, 60 |
| Pomo | North America | pitch | Burned and the resultant soot used in tattooing | Barrett 1952, 301 |
| Quinault | North America | pitch | Eaten to alleviate stomach and blood problems | Olson 1936, 181 |
| Quinault | North America | pitch | Chewed to cure a sore throat | Storm 1990, 63 |
| Quinault | North America | pitch | Chewed for pleasure | Storm 1990, 63 |
| Quinault | North America | pitch | Applied to open sores | Storm 1990, 63 |
| Southern Coast Salish | North America | pitch | Used in hafting harpoons | Elmendorf 1960, 78 |
| Southern Coast Salish | North America | pitch | Extracted by gouging the tree to the inner bark, exudate heated in a shell until thick, applied to musical instruments and joins in wooden boards of structures to seal them | Smith 1940, 276 |
| Tlingit | North America | pitch | Warmed in the mouth and placed in the umbilicus of a newborn baby after the umbilical cord drops off to help it heal | Emmons & Laguna 1991, 257 |
| Tlingit | North America | pitch | Melted, mixed with other ingredients, spread on a piece of hide, and applied to external health ailments as a treatment | Emmons & Laguna 1991, 362 |
| Tubatulabal | North America | pitch | Used in making gaming pieces | Smith 1978, 441 |
| Tubatulabal | North America | pitch | Used in making shelters | Wheeler-Voegelin 1938, 25a |
| Yokuts | North America | pitch | Used in making gaming pieces | Gayton 1948, 91, 134 |
| Yokuts | North America | pitch | Mixed with charcoal and applied to the cheeks as a sign of mourning | Latta 1949, 79 |
| Tubatulabal | North America | pitch | Applied to footwear to make the soles last longer  | Wheeler-Voegelin 1938, 22b, 30a |
| Tubatulabal | North America | pitch | Used in making torches | Wheeler-Voegelin 1938, 30a |
| Tubatulabal | North America | pitch | Used to waterproof water bottles. Lump inserted into bottle with red earth and hot stones, then shaken, melting and distributing the pitch inside the vessel. Also used to coat the outside | Wheeler-Voegelin 1938, 30a |
| Tubatulabal | North America | pitch | Mixed with grease and applied to sores as a salve | Wheeler-Voegelin 1938, 60a |
| Yuki | North America | pitch | Heated on a flat rock and applied to sores | Curtin & Irwin 1957, 8 |
| Yuki | North America | pitch | Warmed and used in combination with sinew to haft arrows. Only pitch was used if the arrow was designed to detach when hitting the target | Gifford 1965, 48, 49 |
| Yuki | North America | pitch | Used with wet moss to start fires. Creates a thick black smoke that can be used in communication | Goldschmidt, Foster & Essene 1939, 146 |
| Yuki | North America | pitch | Burned and the soot used as a dye in tattooing | Powers 1976, 130 |
| Blackfoot | North America | pitch | Mixed with mansage and used to alleviate coughing | Hellson 1974, 63 |
| Blackfoot | North America | pitch | Mixed with water and consumed to alleviate coughing from tuberculosis | Hellson 1974, 73 |
| Blackfoot | North America | pitch | Used to glue natural or horse hair to the hair on the head to create a medicine train | Voget 2001, 700 |
| Crow | North America | pitch | Used in love medicine via application to the skin after being smudged with burned moss | Wildschut & Ewers 1960, 131 |
| Klamath | North America | pitch | Applied to chapped faces and as a treatment for sore eyes | Pearsall 1950, 342a; Spier 1930, 131 |
| Klamath | North America | pitch | Chewed, flattened, central hole made and stick inserted, placed in cold water to water to harden, used as a spinning top | Pearsall 1950, 343b; Spier 1930, 83 |
| Klamath | North America | pitch | Used in treating fractured limbs. Applied to the affected area and bound with strips of buckskin | Spier 1930, 128 |
| Kutenai | North America | pitch | Applied to the outside of bark baskets to waterproof them | Tro 1967, 2 |
| Eastern Apache | North America | pitch | Applied to vessels (inside and outside) to waterproof them | Stockel 1991, 17, 114 |
| MescaleroApache | North America | pitch | Applied to vessels (inside and outside) to waterproof them | Opler 1971, 78b; Opler 1969, 61 |
| Northern Paiute | North America | pitch | Used as a chewing gum | Kelly 1934, 104 |
| Northern Paiute | North America | pitch | Used in making black paint | Kelly 1934, 117 |
| Ute | North America | pitch | Applied to the inside and outside of containers to waterproof them. Said to improve the flavour of water consumed from them, giving peppery taste | Riddell 1960, 43 |
| Northern Paiute | North America | pitch | Used to mark bone | Smith 1974, 230 |
| Western Apache | North America | pitch | Used as a chewing gum | Reagan 1929, 18 |
| Western Apache | North America | pitch | Used as a cure for coughs | Reagan 1929, 18 |
| Samoyed | Asia | branches | Placed on the ground as a foundation to setting up a hut | Donner & Rinehart 1954, 120, 127 |
| Koryaks | Asia | branches | Used to make a temporary structure | Kennan 1870, 217-218 |
| Nivkh | Asia | branches | Burned in the ‘bear hearth’ during the bear festival, leaving a distinctive fragrance, forming part of the attentions given to the bear | Shrenk & Nagler 1881-1895, 1145 |
| Nenets | Asia | branches | Used to disguise traps to catch birds | Lehtisalo & Kessler 1918, 7 |
| Kaska | North America | branches | Used to make brushes | Honigmann 1954, 66 |
| Innu | North America | branches | Used in making structures | Lane 1952, 15, 37 |
| Innu | North America | branches | Used in divination by throwing into the fire and listening to the noise produced to ensuring the successful hunting of porcupine | Lane 1952, 53 |
| Innu | North America | branches | Used as the fuel to cook the entrails of a killed bear | Lane 1952, 39 |
| Ojibwa | North America | branches | Used to cover the ground where drummers and drum would be positioned during a celebration | Densmore 1913, 167 |
| Ojibwa | North America | branches | Used to cover the ground within structures | Grant 1890, 329, 358; Kinietz 1947, 29, 152 |
| Western woods Cree | North America | branches | Used to cover the ground within structures | Mason 1967, 10, 21, 26 |
| Western woods Cree | North America | branches | Used to construct temporary windbreak shelters | Mason 1967, 16 |
| Western woods Cree | North America | branches | Used to make brooms | Mason 1967, 23 |
| Innu | North America | branches | Used in a game. Thrown into the air and caught on the end of a stick | Lane 1952, 19 |
| Nuu-Chah-Nulth | North America | branches | Laid in the water so spawning heron might use the branches to spawn. The eggs are dried on the branches and later consumed | Kenyon 1980, 73 |
| Tlingit | North America | branches | Laid in the water so spawning fish might use the branches to spawn. Harvested fish eggs used as a foodstuff | Emmons & Laguna 1991, 142 |
| Nuu-Chah-Nulth | North America | branches | Placed in the bottom of canoes to form a mat | Koppert 1930, 28 |
| Pomo | North America | branches | Used as a binding material | Barrett 1952, 275 |
| Pomo | North America | branches | Side branches split and used as a binding material | Barrett 1952, 281 |
| Blackfoot | North America | branches | Placed on the ground in structures, used for sleeping on | McClintock 1968, 314 |
| Kutenai | North America | branches | Used in making structures | Schaeffer 1982, 1 |
| Western Apache | North America | branches | Part of the offerings made in caves prior to hunting deer, antelope, or elk | Buskirk 1986, 156 |
| Chiepwyans | North America | branches | Placed on the ground within tents, used for seats and bedding | Hearne 1958, 13 |
| South Coast Salish | North America | branches | Pounded and twisted to make lashings | Elmendorf 1960, 195 |
| Yuki | North America | branches | Placed in structures, covered with hides, and used as bedding | Foster 1944, 176 |
| Yurok | North America | branches | Used in making structures | Heizer *et al.* 1952, 63 |
| Yurok | North America | branches | Set alight and waved over a baby when ill | Keeling 1992, 24; Kroeber 1925, 61, 72 |
| Blackfoot | North America | branches | Used in making structures | Grinnell 1962, 3 |
| Blackfoot | North America | branches | Used in making bedding | Schultz 1980, 334 |
| Klamath | North America | branches | Used in making structures | Spier 1930, 202 |
| Stoney | North America | branches | Used in making temporary structures | Beierle 2002, 3 |
| Delaware | North America | twigs | Used to treat boils by drawing out the poison and soothing the pain | Tantaquidgeon 1942, 65 |
| Ojibwa | North America | twigs | Used in making structures (interlaced between saplings at the bottom) | Hilger 1951, 66 |
| Delaware | North America | twigs | Used as a medicine to treat kidney ailments by steeping | Tantaquidgeon 1942, 65 |
| Delaware | North America | twigs | Used as a medicine to treat pulmonary conditions | Tantaquidgeon 1942, 65 |
| Mi’kmaq | North America | twigs | Mixed with bark and needles to make a medicinal tea | Wallis & Wallis 1955, 130 |
| Samoyed | Asia | pinecones | Crushed and used to make tea | Donner & Rinehart 1954, 124 |
| Samoyed | Asia | pinecones | Crushed and smoked | Donner & Rinehart 1954, 128 |
| Ojibwa | North America | pinecones | Used in tanning  | Hilger 1951, 132 |
| Innu | North America | pinecones | Used to dye nets dark brown by boiling them along with the net in water | Lips 1947a, 19 |
| Creek | North America | pinecones | Burned to create ash. Mixed with other substances and applied to the body  | Swanton 1928a, 578 |
| Creek | North America | pinecones | Mixed with other ingredients, boiled, and used as a medicine, decoction drunk or applied to the skin | Swanton 1928a, 649, 650 |
| Delaware | North America | pinecones | Used to cure hemorrage by consuming the water and sap, mixed with warm water | Wallis & Wallis 1955, 132 |
| Tlingit | North America | pinecones | Burned with rotten wood, the resultant smoke being used to changes the colour of hides suspended over the fire to brown | Laguna 1972, 436a |
| Pomo  | North America | nuts | Consumed as a foodstuff | Aginsky 1939, 209; Loeb 1926, 173; Theodoratus, 1971, 16, 354 |
| Pomo  | North America | nuts | Ground and used as a medicine to treat stomach ailments, colds, and diarrhea | Barrett 1952, 10 |
| Southern Coast Salish | North America | nuts | Consumed as a foodstuff | Elmendorf 1960, 130 |
| Southern Coast Salish | North America | nuts | Strung and used in making clothing | Elmendorf 1960, 202, 212 |
| Tubatulabal | North America | nuts | Consumed as a foodstuff | Smith 2016, 4; Wheeler-Voegelin 1938, 11a |
| Yuki | North America | nuts | Consumed as a foodstuff | Curtin & Irwin 1957, 3 |
| Yuki | North America | nuts | Used to make beads | Foster 1944, 172 |
| Yokuts | North America | nuts | Consumed as a foodstuff raw, boiled, or pounded into flour and cooked | Gayton 1936, 73, 75, 155; Gayton 1948, 180; Kroeber 1953, 527; Spier 1978, 472 |
| Tubatulabal | North America | nuts | Mixed with tobacco to add flavour  | Wheeler-Voegelin 1938, 11b |
| Yurok | North America | nuts | Rubbed in water and the water given to newborn babies | Kroeber 1925, 45; Thompson 1916, 28 |
| Yurok | North America | nuts | Used to make beads | Kroeber 1925, 76 |
| Gros Ventre | North America | nuts | Used in making pemmican | Kroeber 1908, 227 |
| Yurok | North America | nuts | Used as beads, worn by children denoting low wealth | Kroeber 1928, 513 |
| Kutenai | North America | nuts | Consumed as a foodstuff | Brunton 2018, 4 |
| Eastern Apache | North America | nuts | Consumed as a foodstuff raw or roasted | Castetter & Opler 1936, 43; Opler 1941, 362; Opler 1983, 413 |
| Mescalero Apache | North America | nuts | Consumed as a foodstuff and mixed into other food | Opler 1969, 21; Opler 1983, 432 |
| Northern paiute | North America | nuts | Consumed raw. Also ground and processed into a meal (presumably for consumption) | Fowler & Liljeblad 1986, 441; Kelly 1934, 99; Lowie 1924a, 201 |
| Northern Paiute | North America | nuts | Consumed as a foodstuff | Jorgensen 1980, 11 |
| Western Apache | North America | nuts | Roasted, ground, and mixed into soup or used to make a type of bread | Reagan 1929, 4; Reagan 1930, 294 |
| Pomo | North America | sugar  | Used as a remedy for stomach complaints, eaten directly or dissolved in water | Barrett 1952, 366 |
| Pomo | North America | sugar  | Consumed as a laxative | Barrett 1952, 367 |
| Pomo | North America | sugar | Applied to the hands, melted with the heat of the fire, applied to the abdomen of pregnant women as a medical treatment | Powers 1877, 379 |
| Yurok | North America | sugar  | Consumed as a cure from poisoning caused by eating mussels out of season | Thompson 1916, 28 |
| Yuki | North America | needles | Woven to make baskets | Foster 1944, 165; Skoggard 2003, 2 |
| Chipewyans | North America | needles | Dried, powdered, and placed on sores caused by frost | Birket-Smith 1930, 76 |
| Ojibwa | North America | needles | Used in making necklaces | Densmore 1929, 64; Jenness 1935, 95 |
| Mi’kmaq | North America | needles | Mixed with bark and twigs to make a medicinal tea | Wallis and Wallis 1955, 130 |
| Nuu-Chah-Nulth | North America | needles | Used as charms and particularly valued when taken from the top of the tree | Koppert 1930, 88 |
| Yokuts | North America | needles | used to cover granaries storing acorns to keep the contents dry | Gayton 1948, 178, 187 |
| Yokuts | North America | needles | Used as a floor covering in structures | Gayton 1948, 186; Spier 1978, 476 |
| Yokuts | North America | needles | Used to cover structures | Reid 2002, 2; Spier 1978, 476 |
| Yuki | North America | needles | Used to line containers used for storing acorns | Foster 1944, 165 |
| Blackfoot | North America | needles | Stored as part of the paraphernalia associated with medicine pipes; used as an incense | Grinnell 1962, 276; Hellson 1974, 36; Hungry Wolf 1977, 7, 10, 15, 125; Hungry Wolf 1980, 116 |
| Blackfoot | North America | needles | Chewed, spat into the hand, and applied to the body to purify prior to handling objects in a medicine bundle | Hungry Wolf 1977, 134 |
| Blackfoot | North America | needles | Chewed, spat into the hand, and applied to pipes and drums | Wissler 1912, 150 |
| Blackfoot | North America | needles | Mixed with other ingredients and tied up in a bag to make a perfume | Hungry Wolf 1980, 35; McClintock 1968, 364 |
| Blackfoot | North America | needles | Mixed with hair grease to give a pleasant smell | McClintock 1968, 364, 530 |
| Blackfoot | North America | needles | Used to make smudge (smoke) | Wissler 1912, 142 |
| Gros Ventre | North America | needles | Used to make smudge (smoke), applied to body and to objects | Cooper & Flannery 1957, 134, 166, 355 |
| Gros Ventre | North America | needles | Placed on the forehead of the ill as part of a feathered pipe ceremony | Cooper & Flannery 1957, 164 |
| Gros Ventre | North America | needles | Rubbed on the body to protect against witchcraft, poison, and harm | Cooper & Flannery 1957, 421 |
| Gros Ventre | North America | needles | Used as an incense | Cooper & Flannery 1957, 145, 452 |
| Crow | North America | needles | Used as an incense | Lowie 1924b, 346; Morgan 1959, 188; Wildschut & Ewer 1960, 24 |
| Crow | North America | needles | Burned with the smoke used to purify the body | Wildschut & Ewers 1960, 7, 43 |
| Crow | North America | needles | Boiled in water and used as a medicine | Lowie 1935, 63; Lowie 1922, 376 |
| Crow | North America | needles | Used to stuff dolls making up part of a bundle used in the Sun Dance | Lowie 1935, 300; Lowie 1921, 17; Wildschut & Ewers 1960, 138 |
| Gros Ventre | North America | needles | Applied to the body when unwell | Cooper & Flannery 1957, 135 |
| Eastern Apache | North America | needles | Used in making earring and bracelets | Opler 1941, 45 |
| Mescalero Apache | North America | needles | Used as bedding to sleep on | Sonnichsen 1973, 258 |
| Northern Paiute | North America | needles | Used in making charms worn around the neck, used to cure a cold | Lowie 1924a, 297 |
| Northern Paiute | North America | needles | Boiled and consumed to cure a cold. Smoke also used to cure a cold | Lowie 1924a, 310 |
| Northern Paiute | North America | needles | Used to line pits used for storing acorns | Riddell 1960, 37 |
| Northern Paiute | North America | needles | Tied together and used as a brush for cleaning | Riddell 1960, 50 |
| Western Apache | North America | needles | Added to the pit when cooking some types of meat | Buskirk 1986, 149 |
| Western Apache | North America | needles | Used to cover a part of the internal or external area of some structures | Gerald 1958, 5; Longacre & Ayers 1968, 153 |
| Western Apache | North America | needles | Used to make toy baskets and water bottles | Goodwin & Goodwin 1942, 481 |
| Pomo | North America | seeds | Used to make charms | Barrett 1952, 120 |
| Pomo | North America | seeds | Burned along with other ingredients when making objects into charms. Object placed on the coals of the fire | Loeb 1926, 309 |
| Pomo | North America | seeds | Chewed and rubbed over the body to improve luck | Barrett 1952, 333 |
| Pomo | North America | seeds | Chewed as a cure for the cold | Barrett 1952, 366 |
| Pomo | North America | seeds | Used as a cure for stomach complaints  | Barrett 1952, 366 |
| Pomo | North America | seeds | Used as a cure for diarrhea  | Barrett 1952, 366 |
| Pomo | North America | seeds | Burned, chewed, mixed with herbs and used as a medicine | Freeland 1923, 60  |
| Pomo | North America | seeds | Burned alongside other materials to create a smoke through which hunting equipment was passed prior to hunting | Loeb 1926, 171 |
| Pomo | North America | seeds | Burned alongside other materials to create a smoke through which men were cleansed via inducing sweating | Loeb 1926, 181 |
| Pomo | North America | seeds | Mixed with other ingredients and used to wash new-born babies | Loeb 1926 |
| Mescalero Apache | North America | pollen | Used as part of a ceremony to cure a case of pneumonia | Opler 1969, 81 |

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