

Naval Stores ^[1]

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Naval Stores

by Lloyd Johnson, 2006

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North Carolina turpentine distillery, 1884. North Carolina Collection, University of North Carolina at Chapel Hill Library. North Carolina's production of naval stores—tar, pitch, and turpentine, all products of the [pine](#) ^[5] tree—began in the 1720s and declined as a major industry by the [Civil War](#) ^[6]. The abundance of pine trees in North Carolina and England's dependence on seagoing vessels made naval stores an essential commodity in the colony's economy. Great Britain even offered a bounty for naval stores, encouraging the growth of the industry. With a multitude of longleaf pines, the Cape Fear Valley, especially the region made up of present-day [Harnett](#) ^[7] and [Cumberland](#) ^[8] Counties, was the location of most naval stores production. Settlers in this region extracted sap from pine trees, collecting it in barrels. These barrels were placed on flatboats made of logs and transported down the [Cape Fear River](#) ^[9] to [Wilmington](#) ^[10]. By 1768 North Carolina accounted for 60 percent of the naval stores produced in the colonies.

The nineteenth century saw further expansion in the industry, with a resurgence beginning in the 1830s and continuing through the 1850s. In 1840 North Carolina produced 95.9 percent of all naval stores in the United States. In 1847 *De Bow's Review* ^[11] reported that the state produced 800,000 barrels of turpentine, with an estimated market value of \$1.7 to \$2 million. The industry employed almost 5,000 laborers and had 150 processing stills. By the late 1850s naval stores



Barrels filled with pine resin being loaded on a German ship at the port of Wilmington in the early 1870s. North Carolina Collection, University of North Carolina at Chapel Hill Library.

he South's third-largest export crop. This growth was

further spurred by the completion of the [Wilmington & Weldon Railroad](#) ^[12] in 1840 and the [North Carolina Railroad](#) ^[13], running from Goldsboro to [Charlotte](#) ^[14], in 1856, which extended transportation routes into the interior of the pine forest regions.

Because naval stores production was labor intensive, slave labor was crucial to its success. Slaves were used especially in the winter months, and conditions tended to be much harsher than in plantation agriculture because of the solitary and migratory nature of the work. On occasion slaves resisted their harsh treatment by running away or by setting fires in the forest so that turpentine could not be collected.

After the Civil War, the naval stores industry declined in North Carolina. This decline is attributed to several factors: the burning of some large pine forests by Union general [William T. Sherman](#) ^[15]'s troops decreased the amount of turpentine produced for a time; iron vessels eventually replaced wooden sailing ships, causing a reduction in demand for the industry's products; and, finally, synthetic solvents began to be used to thin paints, diminishing the need for turpentine.

The phrase "[Tar Heel](#)" ^[3], the nickname for North Carolinians and the state itself, possibly originated from the fact that people working around turpentine stills often got tar on the soles of their shoes, allegedly helping them "stick" to their assigned jobs.

Educator Resources:

North Carolina Civic Education Consortium. "Slavery, Naval Stores and Rice Plantations in Colonial North Carolina." Grade 8. <http://civics.sites.unc.edu/files/2012/04/SlaveryNavalStoresRicePlantations.pdf> ^[16] (accessed February 21, 2019).

References:

Outland III, Robert B. "Slavery, Work, and the Geography of the North Carolina Naval Stores Industry, 1835-1860." *The Journal of Southern History* 62, no. 1 (1996): 27-56. <https://www.jstor.org/stable/2211205> ^[17] (accessed February 21, 2019, access may be restricted to users with accounts).

Platt, Virginia Bever. "Tar, Staves, and New England Rum: The Trade of Aaron Lopez of Newport, Rhode Island, with Colonial North Carolina." *The North Carolina Historical Review* 48, no. 1 (1971): 1-22. <http://www.jstor.org/stable/23518220> ^[18] (accessed February 21, 2019, access may be restricted to users with accounts).

Williams, Justin. "English Mercantilism and Carolina Naval Stores, 1705-1776." *The Journal of Southern History* 1, no. 2 (1935): 169-85. <https://www.jstor.org/stable/2191724> ^[19] (accessed February 21, 2019, access may be restricted to users with accounts).

Additional Resources:

Walbert, David. "Naval Stores and the Longleaf Pine." ANCHOR. <https://www.ncpedia.org/anchor/naval-stores-and-longleaf> ^[20] (accessed January 28, 2019).

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North Carolina turpentine distillery, 1884. North Carolina Collection, University of North Carolina at Chapel Hill Library.

Barrels filled with pine resin being loaded on a German ship at the port of Wilmington in the early 1870s. North Carolina Collection, University of North Carolina at Chapel Hill Library.

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