106-83

EXAMINER'S ROOM.

tch asphalt. 106 69

2 paint with above + ground glass + sand to ground work.

3. Strips of wood coated with 2, nailed on, Cu, Zn or galvanized nails

UNITED STATES PATENT OFFICE.

CHARLES ARNOUDTS, OF SEATTLE, WASHINGTON, ASSIGNOR OF ONE-HALF TO JOHN W. McALLEP, OF SAME PLACE.

COMPOSITION FOR PRESERVING PILES FROM TEREDO, &c.

SPECIFICATION forming part of Letters Patent No. 526,552, dated September 25, 1894.

Application filed May 17, 1893. Renewed June 1, 1894. Serial No. 513,208. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES ARNOUDTS, a citizen of the United States, residing at Seattle, King county, State of Washington, have invented a new improved and useful composition of matter to be used for covering piles to protect them against the ravages of the teredo in the salt waters of bays, harbors, seas, and oceans, of which the following is a specification, and which invention has never been patented to myself or others with my consent or knowledge in this or a foreign country.

My invention consists in the composition of the following ingredients combined in the proportions and applied in the manner hereinafter stated: coal tar, (one-half,) one hundred pounds; pitch, (one-fourth,) fifty pounds; asphaltum, (one-fourth,) fifty pounds, (these ingredients to be used in the above proportion for temperate zones, for warmer zones the amount of tar used to be reduced, and the amount of pitch and asphaltum increased in proportion so that the composition will contain one-third each of said ingredients, and in colder zones the amount of coal tar to be increased in the same proportion;) ground glass pulverized to the fineness of coarse sand and flint sand in equal parts. (Any kind of hard rock ground or pulverized to the fineness of flint sand can be used as a substitute for flint sand in this composition.)

In using the above composition the pile should first be stripped of bark, and the coal tar, pitch and asphaltum thoroughly mingled by heat and agitation applied to the pile, at a degree of heat and in quantity sufficient to firmly adhere to and completely coat and cover the pile. The ground glass and flint sand (or ground rock) to be thoroughly mixed and heated to at least 150° of heat, are then applied to the pile until the coating of tar, pitch and asphaltum already applied, is thoroughly and completely impregnated and coated therewith and no more will adhere. Narrow strips of batting coated with the same composition and in the same manner as the pile are then nailed to the pile lengthwise with copper, zinc, or galvanized iron nails, at a sufficient distance apart to protect the pile covering in transportation or driving.

I do not claim broadly the use of asphaltum in any composition for the purpose above explained, as the use of it has been suggested with sand or earth; nor do I claim the use of calcareous material broadly as a covering for piles or timbers, as pulverized shells have heretofore been described for this purpose in connection with pitch and tar.

By the use of the above compositions applied as above described they make a cheap, durable and efficient covering for piles completely protecting them against the ravages of the teredo in the salt waters of the bays, harbors, seas and oceans. By applying the ground glass while heated it becomes embedded in the coating of tar, pitch and asphaltum already applied and forms a coating that the teredo cannot bore.

What I claim, and desire to secure by Letters Patent of the United States, is—

The herein described composition of matter to be used for covering piles consisting of tar, pitch and asphaltum and ground glass and flint sand or rock in the proportions specified, combined and applied in the manner above specified.

CHARLES ARNOUDTS.

Witnesses:
T. O'MEARA,
W. B. DEAN.

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