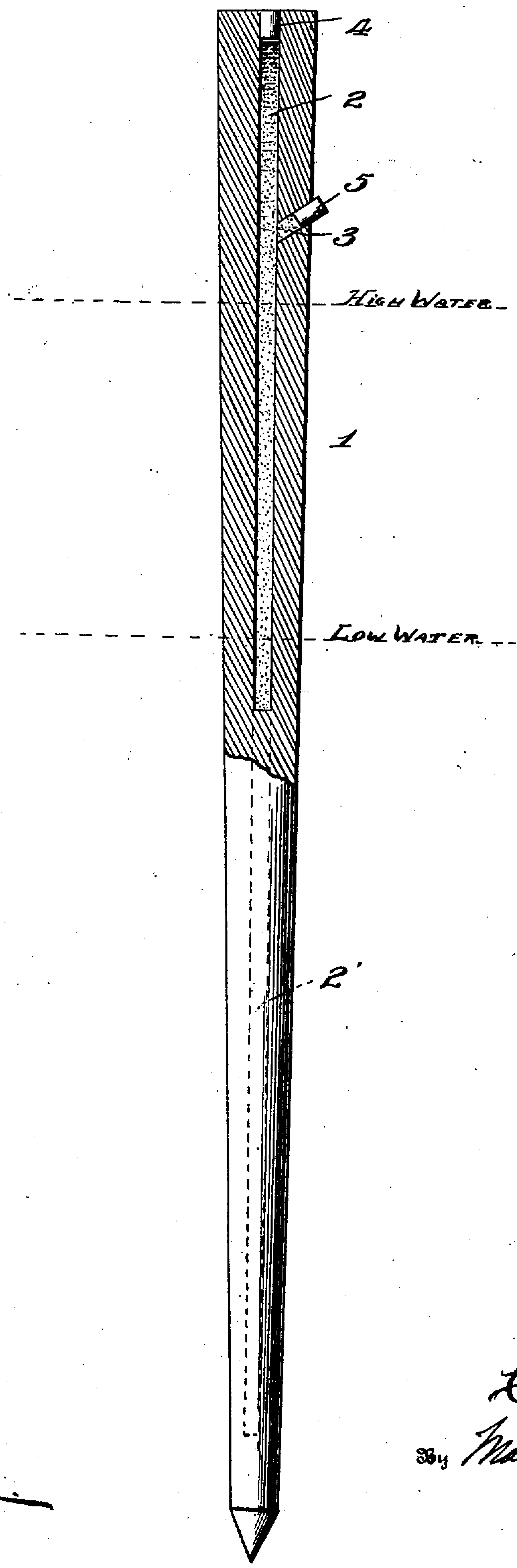
No. 697,632. Patented Apr. 15, 1902.

C. KLEINSCHMIDT.

WOOD PRESERVING COMPOUND.

(Application filed Oct. 4, 1901.)

(No Model.)



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WOOD-PRESERVING COMPOUND.

SPECIFICATION forming part of Letters Patent No. 697,632, dated April 15, 1902.

Application filed October 4, 1901. Serial No. 77,619. (No specimens.)

To all whom it may concern:

Be it known that I, CARL KLEINSCHMIDT, a citizen of the United States, residing at 312 Seventeenth avenue north, Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Wood-Preserving Compounds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention is in the nature of an improved preserving compound, and has for its object the production of such a compound which shall be destructive of animal life, particularly of the mollusk type, as well as a preservative of the wood to which it is applied.

The compound is composed substantially of the following ingredients in the proportions named: For producing a fifty-gallon lot, two pounds blue vitriol, two pounds sulfate of iron, two pounds cyanid of potassium, four pounds sulfuric acid, one-half pound prussic acid, mixed with approximately forty gallons of refined petroleum.

In the preparation of the compound the above ingredients are thoroughly and suitably mixed or mingled, and the compound is then in condition to be applied in any preferred manner to all forms of wooden articles liable to be subjected to the continuous action of water—as, for instance, piles, beams, timbers, boats, vessels, rafts, or any other wooden structure—and the application of such compound thereto will tend to preserve the wood and prolong its usefulness, and in addition the compound will effectually prevent the collection of any form of animal life upon the wood saturated with it.

The drawing accompanying this specification and forming a part of the same, illustrates a view of the pile, partly in elevation and partly in section, showing the preferred form of applying my improved compound thereto.

In the drawing, 1 indicates any preferred form of pile or other wooden shaft designed to be permanently exposed to the action of water. A central longitudinal bore, as 2, is preferably formed in said pile from the top thereof to the desired distance downward, as indicated at 2 in full lines, which in operation is usually a few feet below the low-tide water-mark; but the said bore may be extended downward, as seen in dotted lines at 2′, for any desired distance, if found necessary. A lateral bore, as 3, is preferably made in the pile 1, communicating with bore 2, and in operation the said bore 2 is filled with my improved compound from the top of the pile, and a plug, as 4, is inserted in the upper end of bore 2. Any suitable structure may then be built upon the pile 1, and when the supply of compound has become exhausted by saturation or otherwise a new supply may be placed in said bore 2 through communicating bore 3, in which is kept a suitable plug, as 5, capable of ready removal and replacement for the purpose of supplying compound to bore 2 when desired.

Of course it will be decidedly understood that I do not limit myself to the particular application illustrated and described; but, on the contrary, I shall feel at liberty to employ any desired or preferred means of applying the improved compound for attaining the best results.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A wood-preserving compound composed of blue vitriol, sulfate of iron, cyanid of potassium, sulfuric acid, prussic acid, and refined petroleum, compounded in about the proportions set forth.

2. A wood-preserving compound containing sulfate of iron, cyanid of potassium, sulfuric acid, prussic acid and refined petroleum compounded in approximately the proportions set forth.

3. A wood-preserving compound containing blue vitriol, cyanid of potassium, sulfuric acid, prussic acid, and refined petroleum compounded in approximately the proportions named.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

CARL KLEINSCHMIDT.

Witnesses:
GEO. B. COLE,
H. CLAY JORDAN.