

UNITED STATES PATENT OFFICE.

LOUIS NAPOLEON BEAUCHEMIN, OF HANCOCK, MICHIGAN.

COMPOSITION FOR ROADWAYS.

SPECIFICATION forming part of Letters Patent No. 385,496, dated July 3, 1888.

Application filed November 22, 1887. Serial No. 255,903. (No specimens.)

To all whom it may concern:

Be it known that I, LOUIS NAPOLEON BEAUCHEMIN, of Hancock, in the county of Houghton and State of Michigan, have invented a new and Improved Composition for Roadways, of which the following is a full, clear, and exact description.

I make an improved composition for roadways or road-beds of certain materials in the proportions hereinafter stated, and I combine such composition as a top layer or facing with other layers formed of other materials to make an improved roadway or road-bed, as herein-after described and claimed.

The composition consists of the following ingredients, combined in substantially the proportions stated, as follows, viz: For each barrel of coal-tar used I employ two barrels of black pitch and one-half barrel of rosin, which are boiled together until thoroughly mixed. I further employ about two shovelfuls of copper molding stamp-sand, one shovelful of ashes, and three shovelfuls of yellow sand. The sand and ashes are well mixed and sifted and thoroughly heated by placing the same upon metal plates suspended over a brisk fire. A shovelful is equivalent to about two (2) quarts in quantity or bulk.

In further maturing the composition the heated sand and ashes are placed upon a suitable platform in a pile and opened in the center, in which opening the aforesaid boiling mixture is poured, and the sand and ashes and the mixture are worked together in a manner similar to mixing mortar.

To prepare a foundation for the composition, I place a layer of sand upon the road-bed, and a layer of rocks, weighing about ten pounds each, and set the said rocks in the road-bed by use of heavy mauls or rammers. I now coat the upper surface of the rocks with coal-tar and add a layer of three or four inches in depth of soft coal clinkers saturated with tar and thoroughly roll the same with a heavy roller. The foundation having been finished, the composition is spread thereon as thick as desired, and I add to each fifteen square yards of surface about two thousand pounds of sand and about eight thousand pounds of rocks and spread them upon the composition, thoroughly pressing the mass with a heated roller. The operation is finished by scattering sand over the surface and passing a very heavy roller over the same.

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

The composition for facing roadways or road-beds, consisting of the following substances in the proportions specified, namely: black pitch, two barrels; coal-tar, one barrel; rosin, one-half barrel; copper molding, four quarts; stamp-sand, one quart; yellow sand, six quarts; ashes, two quarts.

LOUIS NAPOLEON BEAUCHEMIN.

Witnesses:

ALLEN F. REES,
JOSEPH CROZE.