

UNITED STATES PATENT OFFICE.

SAMUEL G. PENNEY, OF ALLEGHENY, PENNSYLVANIA.

INSULATING COMPOUND.

No. 835,113.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed June 19, 1906. Serial No. 322,392.

To all whom it may concern:

Be it known that I, SAMUEL G. PENNEY, of Allegheny, in the county of Allegheny, State of Pennsylvania, have invented a certain new and useful Composition of Matter to be Used as an Insulating Material, of which the following is a full, clear, and exact description.

My composition consists of the following ingredients, which may be combined in various proportions, according to the character of the use to which it is to be applied. The proportions here given are those which I have found to be well adapted to the use of the compound as a varnish or paint: maltha, twenty per cent.; byerite, thirty per cent.; benzin, twelve per cent.; carbon tetrachlorid, thirty-eight per cent. In compounding these ingredients the maltha and byerite, together with a little colophony to act as a flux, are placed in a kettle or other suitable receptacle and subjected to heat until they are thoroughly fused and mixed. After these ingredients have been fused and mixed and while they are still hot the benzin and carbon-tetrachlorid are added. The compound is then allowed to cool and is drawn off. The consistency of the compound of course may be increased or lessened by increasing or lessening the amount of solvent material. Instead of benzin gasoline or other equivalent may be employed, or the

benzin may be omitted entirely where considerable consistency is required. A convenient form of maltha is the ordinary asphalt of commerce.

My insulating compound may be applied either as a paint, varnish, or paste to bond-paper, cotton-cloth, metallic surfaces, or wherever a coating of insulating compound is required, and it may be used either as an air-drying varnish or it may be baked on the material to be insulated in a suitable oven.

The advantage of my compound is that it forms a durable, fireproof, and efficient insulating coating, which is capable of being readily prepared and easily applied.

What I claim, and desire to secure by Letters Patent, is—

1. The herein-described composition of matter, consisting of maltha, byerite and carbon tetrachlorid.

2. The herein-described composition of matter, consisting of maltha twenty per cent., byerite thirty per cent., benzin twelve per cent., and carbon tetrachlorid thirty-eight per cent.

In testimony whereof I have hereunto set my hand.

SAMUEL G. PENNEY.

Witnesses:

JAMES K. BAKEWELL,
C. E. EGGERS.