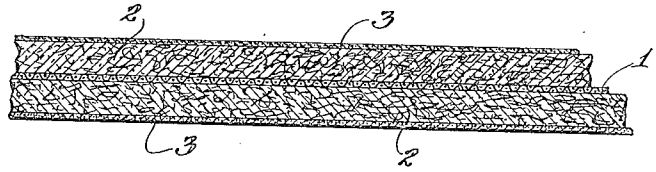
Jan. 16, 1923.

1,442,325.

J. DE LONG.

INSULATING MATERIAL.

FILED DEC. 23, 1920.



Julius DeLong

INVENTOR

Henry N. Bagnall

BY his ATTORNEYS

Patented Jan. 16, 1923. 1,442,325

UNITED STATES PATENT OFFICE.

JULIUS DE LONG, OF LAKE MAHOPAC, NEW YORK.

INSULATING MATERIAL.

Application filed December 23, 1920. Serial No. 432,649.

To all whom it may concern:

Be it known that I, JULIUS DE LONG, a citizen of the United States, residing at Lake Mahopac, in the county of Putnam and State of New York, have invented new and useful Improvements in Insulating Material, of which the following is a specification.

My invention relates to improvements in insulating material which is particularly adapted for use in insulating railroad cars, buildings and other structures, and the objects of my invention are to produce an insulating material which can be cheaply and economically manufactured, which will be semi-fire proof in its character and which possesses sufficient rigidity to be easily handled and applied. The other objects of my invention will be more clearly pointed out in the specification.

Reference is hereby made to the following pending applications by the applicant relating to the same or kindred subject matter, namely: Serial No. 517,923, Serial No. 556,579 and Serial No. 591,362.

Figure 1 is a sectional view of my improvement in insulating material. My insulating material consists of a sheet of burlap 1 or other similar material and cattle hair or other fibrous matter 2, which is formed into a compact felt by the well known process of punching. After the felt has been formed, I apply adhesive material to both surfaces and a covering of asbestos paper 3, which is firmly secured to the felt by the adhesive material. I apply the adhesive material in such quantities as to not only secure the covering of asbestos 3 firmly to the felt but to add rigidity and stiffness to the protecting cover of asbestos paper and to give the finished article such rigidity and stiffness that it can be readily handled and applied.

My finished product, when so constructed, possesses many advantages over the insulating material heretofore known and used in that it is much less expensive to manufacture, is semi-fire proof and possesses sufficient rigidity and stiffness to be easily handled and applied and is not easily injured by moisture.

Having described my invention, I claim:

1. An insulating material composed of burlap, cattle hair, or other suitable fibre, felted thereto and on both sides thereof and an asbestos covering on each side thereof and secured thereto by adhesive material.

2. An insulating material composed of burlap, cattle hair, or other suitable fibre, felted thereto and on both sides thereof and an asbestos covering on each side thereof and secured thereto by adhesive material, the adhesive material applied being sufficient in quantity and of such character as substantially to stiffen the asbestos paper covering so that the finished product may be conveniently handled and applied.

Signed at New York, this 21st day of December, 1920.

JULIUS DE LONG.