UNITED STATES PATENT OFFICE.

HEINRICH BUSSE, OF LINDEN, VOR HANOVER, PRUSSIA, GERMANY.

COMPOSITION OF MATTER FOR PAVING.

SPECIFICATION forming part of Letters Patent No. 376,290, dated January 10, 1888.

Application filed June 9, 1887. Serial No. 240,679. (No specimens.) Patented in Austria-Hungary May 28, 1886; in Belgium June 1, 1886; in France June 2, 1886, and in England June 4, 1886, No. 7,492.

To all whom it may concern:

Be it known that I, HEINRICH BUSSE, chemist, a subject of the Emperor of Germany, residing at Linden, vor Hanover, Prussia, Germany, have invented a certain new and useful Composition of Matter for Paving, (for which I have obtained a patent in the following countries: Austria-Hungary, May 28, 1886; France, June 2, 1886; Belgium, June 1, 1886, and England, June 4, 1886, No. 7,492,) of which the following is a specification.

Artifical elaterite is destined to form a principal part of artificial stamped asphaltum for paving, roofing, and similar purposes, and grants to it a great resistance against influences of temperature and atmosphere, and also against mechanical actions. In consequence I have invented the application of artificial elaterite, in combination with meal (dust) of bituminous or non-bituminous limestone or stone-dust of another species to an artificial asphaltum for pressed work or similar purposes. Artificial asphaltum made in such a manner as forms the said invention will be perfectly equal to natural asphaltum. For such a purpose the stone-dust is brought to a temperature of 130° to 140° Celsius, and mixed with molten artificial elaterite, to which may be added forty to sixty per cent. of pure asphaltum substance, or other mineral or vegetable resins. Temperature may be maintained at the said point.

This artificial product, which becomes hard and may be powdered again, will be fit for being pressed and rammed, having then a quite strong resistance against friction and mechanical actions, and also against atmospheric influences. This resistance will be maintained at temperatures arising from — 20° Celsius to + 120° Celsius.

I claim—

The compound consisting of artificial elaterite, stone-dust, namely, powdered limestone and pure asphaltum substances, substantially as shown and described.

In testimony whereof I hereunto sign my name, in the presence of two subscribing witnesses, this 23d day of May, 1887.

HEINRICH BUSSE.

Witnesses:

C. LÜTTGE,

JOHN KRACKE.