

UNITED STATES PATENT OFFICE

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PROCESS FOR THE PRODUCTION OF FIRE LIGHTERS FOR COAL OR OTHER FUEL

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Lighters of various compositions for coal or other fuel have become known, but these are mostly not on the market because the really useful lighters are too expensive, whereas the cheaper fire lighters for coal or other fuel mostly do not fulfill their object and lose their kindling property through long storage so that they can no longer be regarded as lighters but only as fuel.

The invention hereinafter described, relates to a process which overcomes all these objections.

According to the new process for manufacturing fire lighters for coal or other fuel thoroughly dried peat of younger layers (peat moss, sphagnum) is used. This quality of peat consists principally of root fibres, that is of capillary tubes, through which a particularly great capillary effect is obtained. Consequently the impregnated product permanently retains its valuable properties. This peat is impregnated with the following chemicals: naphthalene, nitrate of potash, magnesium and formaldehyde.

A plant, particularly adapted for impregnating the peat, enables this quantity of peat to be dipped for a certain time in a single operation. Through this dipping, the peat, owing to its capillary property, absorbs the chemical mixture into the innermost portion of the peat, where it is permanently retained.

With this dipping of the peat in the mixture composed of the chemicals above indicated, the manufacturing process is completed and the product ready for marketing.

I claim:

A process for the manufacture of coal or fire lighters, consisting in dipping for a certain determined period a raw product, consisting of a well dried peat from younger open layers, such as peat moss, sphagnum, in a mixture, composed of naphthalene, nitrate of potash, magnesium and formaldehyde, the dried peat, owing to its capillarity, becoming impregnated by absorption of the mixture.

In testimony whereof I affix my signature.

ERICH BERNHARD MÜNCHOW.