

UNITED STATES PATENT OFFICE.

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SOCIETY OF GERMANY.

MANUFACTURE OF ASPHALT BLOCKS, SLABS, AND THE LIKE.

1,031,227.

Specification of Letters Patent.

Patented July 2, 1912.

No Drawing.

Application filed December 23, 1911. Serial No. 667,448.

To all whom it may concern:

Be it known that I, CARL ARTMANN, a
subject of the German Emperor, and resi-
dent of Worms-on-the-Rhine, Germany,
5 have invented certain new and useful Im-
provements in the Manufacture of Asphalt
Blocks, Slabs, and the Like, of which the
following is a specification.

The present invention relates to the man-
10 ufacture of asphalt blocks and slabs and is
an improvement upon the method described
and claimed in an earlier application, filed
December 17, 1910, Serial No. 597,868. As
explained in the prior application referred
15 to such blocks or slabs are produced by pour-
ing a mass of molten asphalt into a suitable
flat bottomed receptacle, allowing such mass
to cool to a plastic condition and then divid-
ing the mass into blocks by successively in-
20 troducing therein a series of dies each adapt-
ed to form substantially one half of the
periphery of a complete block. The appli-
cation referred to further describes that in
order to prevent the plastic material from
25 adhering to the surfaces of the dies the lat-
ter may be coated with lime or clay. Exten-
sive practical experience with the process of
the prior application referred to has shown
that the step of the method therein described
30 which comprises coating the dies with lime
or clay is objectionable because of the time
and labor required to properly apply such
coatings and further because portions of the
coating will adhere to the molded blocks giv-
35 ing the latter an unattractive appearance.

The present invention provides a method
by which such a plastic mass as has been
hereinbefore referred to may be divided into
40 blocks or slabs without causing any of the
material to adhere to the dies and without

marring the appearance of the blocks. That
is, it has been discovered that if the walls
of the receptacle in which the molten as-
phalt is allowed to cool, and the dies or cut-
ting devices employed for separating such
45 mass into blocks, be coated with a solution
of a hygroscopic substance, the material will
not adhere to the metal surfaces and the ap-
pearance of the finished blocks will not be
impaired. A solution of chlorid of calcium
50 has been found to give very satisfactory re-
sults and the dies may be readily coated by
being dipped in such a solution. It is found
that it is unnecessary to redip such dies after
every use thereof, but a single dipping will
55 suffice for a number of operations.

Having thus described the invention what
is claimed and desired to be secured by Let-
ters Patent is:

1. The herein described method of manu-
60 facturing asphalt blocks comprising pouring
molten asphalt into a suitable receptacle, al-
lowing the material to cool to a plastic con-
dition, and dividing such mass into blocks
by dies which have been coated with a solu-
65 tion of a hygroscopic substance.

2. The herein described method of manu-
facturing asphalt blocks comprising pouring
molten asphalt into a suitable receptacle,
allowing the material to cool to a plastic
70 condition, and dividing such mass into blocks
by dies which have been coated with a solu-
tion of chlorid of calcium.

In testimony whereof I have signed my
name to this specification in the presence of
75 two subscribing witnesses.

CARL ARTMANN.

Witnesses:

ERWIN DIPPEL,
MICHAEL VOLKE.