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METALLIC SAW BLADE FOR SAWING STONE, MARBLE PLATES AND THE LIKE FROM STONE BLOCKS
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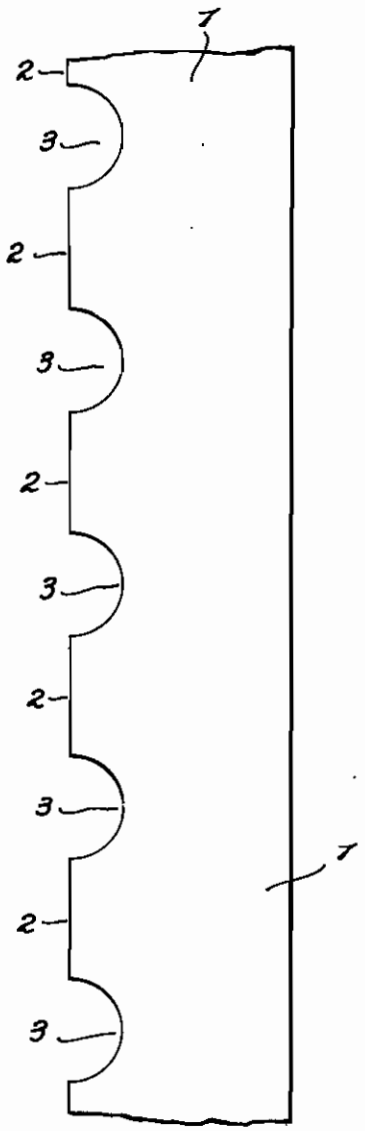

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ALIEN PROPERTY CUSTODIAN

METALLIC SAW BLADE FOR SAWING STONE, MARBLE PLATES AND THE LIKE FROM STONE BLOCKS

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The present invention relates to a metallic saw blade for sawing stone, marble plates and the like from stone blocks.

The process now used for sawing into plates stone blocks utilizes the abrasive power of the siliceous sand or similar products which by means of blades moving horizontally and alternatively is brought to rub against the block to be sawed.

This process is slow and requires a dear and encumbrous installation.

According to the present invention these inconveniences are removed owing to the fact that for sawing plates from stone blocks an analogous system employed as for sawing planks from trunks of trees comprising substantially a toothed blade tended in the form of a ring between two fly wheels performing a rotary motion. By advancing the trunk against the edge of the toothed blade the teeth of the same cut the wood.

Such an arrangement is obviously not directly applicable to cutting stone since the teeth would be immediately put out of service as soon as they come into contact with the stone. A convenient shape has been consequently thought out and provided for the blade exhibiting rectilineal and hollowed parts, so that in the functioning operation the abrasive is gathered in the concavities of the blade and entrained by this blade in its motion so that the cutting of the stone may take place.

By way of example a form of realisation of the invention is illustrated in the accompanying drawing in which the only figure provided shows the profile of a metallic sawing blade according to the invention.

As shown in the drawing the body 1 of the blade shows on one side plane parts 2 and hollowed parts 3, the ones succeeding to the others. In the form illustrated the hollowed parts have a semicircular shape, but it is understood that this shape may be conveniently shaped always according to the fundamental idea of creating in the blade spaces which may gather the abrasive and convey it to be inserted between the same blade and the stone to be cut.

Both sides of the sawing blade may be equally shaped.

Instead of a single blade two may be employed overlying and in contact to one another preferably with the cavities staggered.

The present invention has been illustrated and described in a preferred form of realisation but it is clear that constructive changes may be practically introduced therein without surpassing the limits of protection of the present industrial patent.

FRANCO BANDINI.