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FIBROUS PACKING

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The principal object of the present invention is to provide packing which will withstand high temperatures and pressures, will resist hot water and vapor and will not be deleteriously affected by many liquids and vapors which ordinarily attack or deteriorate fibrous packing.

Generally stated, the invention comprises fibrous packing having incorporated therein zinc dust and a lubricant.

Examples of fibrous packing are braided or flat packing of cotton, asbestos, hemp, jute and similar fibers all of which as well as others of equivalent material and structure are commonly referred to as fibrous packings.

Zinc dust is light gray in color and is recovered from flues and the like of furnaces where zinc is melted. It passes off as vapor and sublimes and it will not readily melt into a fluid mass. Among its important qualities in connection with the present invention, reference may be made to the fact that it is in an exceedingly fine state of subdivision, has the property of absorbing lubricant or grease, and acts in the packing to suit the packing to uses and conditions to which reference has been made and greatly increase its life.

To further describe the invention it may be said that 50% by weight of zinc dust and lubricant, which may be a mixture of cup grease or cylinder stock and soap thoroughly stirred and if necessary heated and allowed to stand for a period of, for example, two or three weeks, produces a product which when incorporated with the fibrous material of the packing produces an article embodying features of the invention. During the interval when the admixture is standing there is some evolution of gas or air, and the zinc dust apparently takes up the lubricant producing a mass which may be called a smooth emulsion.

I claim:

Fibrous packing having incorporated therein zinc dust and a lubricant.

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