

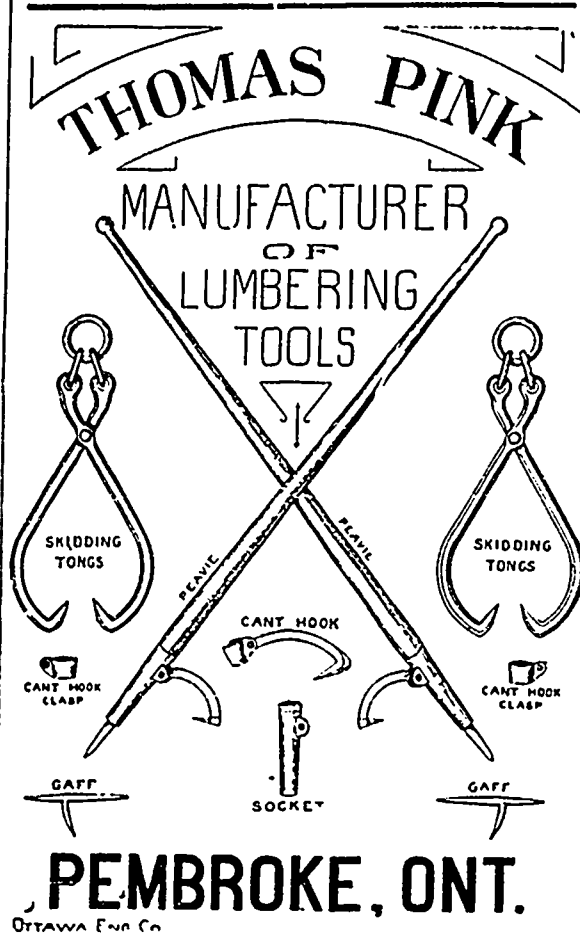
CLEANING DIRTY BELTS.

A CORRESPONDENT of the Centralblatt für die Textil Industrie, who complains that several belts are dirty from drop oil and dust and desires to know how to clean them, is told by that journal to first wash the belts with warm water and soap, using a sharp, stiff brush, and while still moist, to rub them with a solution of sal-ammoniac, which saponifies the oil in them. Immediately thereafter the belts must be rinsed well with luke-warm water and then dried with sufficient tension. While they are still moist the belts are to be rubbed well on the inside and less on the outside, with the following: Two pounds three-quarter ounce of India rubber, heated to 122° F. and mixed with two pounds three-quarter ounce of rectified turpentine oil. After this solution is complete twenty-seven ounces of bright resin are added, and when it is dissolved twenty-six and one-half ounces of yellow wax are added. This mixture, by diligent stirring, is mixed with six pounds ten ounces of fish oil and two pounds twelve ounces of tallow, previously dissolved in the former. In the further treatment of the belt rub the inside only and the outside only at the first time, as stated. The unguent also replaces the tannin extract from the leather, prevents the dragging of the belt and imparts elasticity to it.

CLEANING FILES.

A. GAWALOWSKI recommends the following treatment of files that have been in use for some time: Lead and tin are best removed by nitric acid; the files are then dried in coal dust or sawdust, after which they receive a good brushing. Iron grit is removed by dipping into copper

sulphate; the precipitated copper does not adhere. Treatment with nitric acid follows, which is, as in the former case, continued until the brown vapors become unpleasant. Zinc is dissolved out by sulphuric acid. For copper, nitric acid is repeatedly applied. Rasps are cleaned in warm sulphuric acid, brushed, dipped into caustic soda, and dried and brushed.



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