



HAYDN M. BAKER, OF WASHINGTON, DISTRICT OF COLUMBIA.

*Letters Patent No. 91,408, dated June 15, 1869.*

**IMPROVED PROCESS FOR CLEANING PLATE-PRINTERS' CLOTHS, &c.**

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, HAYDN M. BAKER of Washington, in the county of Washington, and District of Columbia, have invented certain new and useful Process for Cleansing Plate-Printers' Cloths, and Recovering Printing-Ink from the same; and I do hereby declare that the following is a full and exact description thereof.

My invention is based upon the property of the anhydrous and hydrated alkaline oleates, margarates, and stearates, (known as soap,) to combine with printers' ink, at a temperature between two hundred and twelve degrees (212°) and three hundred and fifty degrees (350°) Fahrenheit, forming a limpid fluid; also that soaps are neutral compounds, and not destructive to fibre; and my invention consists in the following process, to wit:

I melt soap in a capacious kettle, and when at a temperature of from two hundred and twelve to three hundred and fifty degrees (350°) Fahrenheit, I immerse the cloths, saturated with printers' ink, in the soap. When the soap has become combined with all the ink, I pass the cloths through iron or other rollers, which press out of the cloths the compound of soap and ink. The cloths are then boiled in pure water.

then rinsed in pure water, and when dry they are clean and ready for use.

To the compound of ink and soap expressed from the cloths is added sufficient water to form a solution of the latter, which disengages the ink, when said ink is precipitated to the bottom of the vessel. The ink and solution of soap are now separated, and the latter boiled to the dryness or the state of hydrate, when it is ready for use again, and the ink may be also prepared for re-use, the advantage of my invention being the economic cleansing of the cloths, as the materials used may be employed over and over again.

Having described the advantages and operation of my improved process,

What I claim as new, and desire to secure by Letters Patent, is—

The use of soluble alkaline oleates, margarates, and stearates, for the purpose of removing printers' ink from plate-printers' cloths, in the manner substantially as herein described, for the purpose set forth.

In testimony whereof, I have hereunto set my hand and seal, this      day of May, 1869.

Witnesses:      HAYDN M. BAKER. [L. S.]  
WM. C. MCINTIRE,  
J. W. KREPPS.