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Hartsuff et al.

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(54) **POTASH, MANUFACTURING**

(76) Inventors: **Henry Hartsuff; Cyrus French**

Henry Hartsuff and Cyrus French

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Henry Hartsuff & Cyrus French themselves of their improvement in the manufacture of Potash

To all to whom these presents shall come, Be it known that We Henry Hartsuff of Cayuga in the County of Seneca and Cyrus French of Aurelius in the County of Cayuga and State of New York have invented a new and useful improvement in the manufacture of Potash and that the following is an exact description thereof. The improvement consists in an improved mode of filling the leach tubs in the materials used in filling the same and in saturating the same which filling and extracting the lye therefrom. First. In filling the leach tubs, in the bottom put the husks and straw in the usual way, pack down upon this three inches of slacked lime, then add a layer of about five inches of ashes, saturate this well with weak lye at boiling heat. in which common salt has been dissolved in the proportion of about three quarters of a pound of salt to a bushel of ashes. Then add a layer of about half an inch of slacked lime sifted evenly over the surface of the ashes, then add another layer of ashes of five inches in thickness as above and saturate in the same way, and so on in alternate layers of ashes and lime as above, saturated in the same manner four feet and not to exceed five layers of ashes in all. It is intended to use about one bushel of lime to twelve bushels of good house ashes. but in case field ashes are used, more lime is necessary, and less salt, in proportion to the poorness of the ashes. Second after the ashes & lime are all in the leach tub and saturated as above, then cold weak lye or cold water may be used, until the lye is all run off. It is much better to use weak lye than water until the strong lye is all leached out of the ashes. Salt and lime have been used heretofore

son the manufacture of hot ashes but not in the manner and in the form
forming and setting the lye as above mentioned. What we claim
as our invention and not previously known is the use of dry stacked lime
and ashes in alternate layers and saturating each layer of ashes with
boiling soak lye and which common salt has been dissolved by which
the strength of the ashes is more perfectly obtained in a shorter
time and with less expense and labor

Witnesses
Stephen Lombard
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Harvey Hartshuff
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(513 Words)