

the following certificate: "Certified to be the drawings referred to in the specifications hereunto annexed," and the signature of the inventor or his attorney.

16. FOR AN ART OR PROCESS.

To all whom it may concern:

Be it known that we, Marion Ellsworth, of Chicago, County of Cook, and State of Illinois, gentleman, and Joseph Richard Shaw, of Indianapolis, County of Marion, and State of Indiana, gentleman, have jointly invented

A new and useful improvement on the art or process of separating smut and other impurities from wheat, and we do hereby declare that the following is a full, clear and exact description of the same:

Take of lime, newly slacked and while yet warm, one and a half pound to each on hundred pounds of wheat. Mix the lime well with the wheat, let it stand one hour, then pass it through a smut mill in the usual way, and it will be found that all the lime, smut, dirt and other impurities attached to the wheat, of every kind, and which no smut mill without our liming process, will fully separate, will be entirely removed, and the flour will be as white and as sweet as though made from the best of wheat.

We are aware that lime has before been used for the purpose of cleaning wheat, being first mixed with the grain as above proposed and the whole being then passed through a smut mill; but in all previous processes, so far as we are aware, the lime has been used in a cold state, and for this reason such processes prove ineffectual. We propose to take lime *newly slacked and while yet warm*.

We claim as our invention the process of cleaning wheat by mixing with it lime newly slacked and warm before passing it through a smut mill, so as to cleanse the wheat from all impurities, substantially as described.

MARION ELLSWORTH.

JOSEPH R. SHAW.

Chicago, 1st September, 1872.

Signed in the presence of

MAURICE JONES.

HENRY ELIAS.