

UNITED STATES PATENT OFFICE.

ANDERS PERSSON AND OTTO SÖDERBERG, OF BANGOR, MAINE.

EMERY-WHEEL.

SPECIFICATION forming part of Letters Patent No. 279,009, dated June 5, 1883.

Application filed April 16, 1883. (No specimens.)

To all whom it may concern:

Be it known that we, ANDERS PERSSON and OTTO SÖDERBERG, both of Bangor, in the county of Penobscot and State of Maine, have
5 invented certain new and useful Improvements in Emery-Wheels; and we do hereby declare that the following is a full, clear, and exact description of the invention, that will enable
10 others skilled in the art to which it appertains to make and use the same.

Our invention relates to an improvement in emery-wheels; and it consists of an improved composition for said wheels, capable of carrying a larger proportion of emery than is generally
15 used in wheels made in the usual manner.

In making our composition we use about eight (8) ounces of pulverized oxide of iron, (a mineral found in the iron-producing States,
20 commonly sold under the name of "metallic paint,") four (4) ounces of French yellow, (viz., yellow ocher,) and eight ounces of "Cornish stone," (a pulverized mineral known to the trade under this name.) We then take five

ounces of this mixture and add to it one pound 25 of ground emery of the fineness required, mixing thoroughly with a little water. The paste thus formed we mold in the usual manner, and subject it to a gradually-increasing heat, up to a degree sufficient to melt cast-iron, at least 30 for from forty-eight to sixty hours, when the article is ready for use.

We do not limit ourselves to the precise quantities here given, as they may be varied somewhat. 35

What we claim as our invention is—

As a new article of manufacture, an emery-wheel or stone made from a mixture of metallic paint, French yellow, Cornish stone, and ground emery, substantially as herein set forth. 40

In testimony that we claim the foregoing we have hereunto set our hands.

ANDERS PERSSON.
OTTO SÖDERBERG.

Witnesses:

FRED. W. HILL,
WM. FRANKLIN SEAVEY.