

UNITED STATES PATENT OFFICE.

BROR WESTERBERG, OF ST. PAUL, MINNESOTA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO JAMES W. CHISHOLM, OF NEW YORK, N. Y.

IMPROVEMENT IN WATER-MARKS ON READY-MADE PAPER.

Specification forming part of Letters Patent No. **130,676**, dated August 20, 1872.

Specification describing a certain Improvement in Forming Water-Marks upon Ready-Made Paper, invented by BROR WESTERBERG, of St. Paul, in the county of Ramsey and State of Minnesota.

My invention has for its object to furnish an improved process for forming water-marks upon ready-made paper, by means of which the party using the paper can readily and at trifling expense have a water-mark formed upon it, either as his private mark to prevent fraud, or for advertising purposes, and which may be applied to writing or printing paper either before or after it has been written or printed upon; and it consists in the process of forming the water-marks, as hereinafter more fully described.

In forming the water-marks I take a common lithographic stone and sketch the required design upon it in lithographic ink, asphaltum, or rosin. After the sketch is dry it is etched with any acid that will act upon the stone, and thus leave the sketch in relief. The

stone is then washed in water or in any solution that will remove the ink and acid. The stone is now ready to be put into a hand or other printing press, and the paper, either dry or damp, is laid upon it and covered with brass, zinc, or vulcanized rubber, either in plates or applied as a facing to the pressure-rollers. In this process there is no wear upon the stone, which may thus be used any desired number of times or for taking any desired number of impressions.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The process herein set forth and described for forming water-marks upon ready-made paper.

The above specification of my invention signed by me this 3d day of November, 1871.

BROR WESTERBERG.

Witnesses:

T. B. MOSHER,
JAMES T. GRAHAM.