

UNITED STATES PATENT OFFICE.

JOHN BURTON, OF GENEVA, ILLINOIS.

PROCESS OF MANUFACTURING SIZED PAPER.

SPECIFICATION forming part of Letters Patent No. 250,781, dated December 13, 1881.

Application filed June 6, 1881. (No specimens.)

To all whom it may concern:

Be it known that I, JOHN BURTON, a citizen of the United States, residing at Geneva, in the county of Kane and State of Illinois, have
5 invented a certain new and useful Improvement in the Process of Manufacturing Sized Paper, of which the following is a specification.

The object of my invention is to produce a new sizing which will give a better body and
10 finish to the paper and cheapen its manufacture.

The nature of my invention consists in using glucose as a sizing in the manufacture of paper.

To enable others skilled in the art to understand how to use my process in the manufacture of paper, I will describe the same with
15 particularity.

I take any of the ingredients that are used to make the paper-pulp and prepare it in the
20 ordinary way of preparing paper-pulp, and I take glucose and put it in the pulp in about the same quantity that other materials that are now used for sizing are used; or I may apply the glucose for sizing and finish as the
25 paper is passed through the rolls. The quantity of glucose that is used may be varied ac-

cording to the quality of paper that it is desired to make and the character of the finish that is to be given to it.

I find that in manufacturing printing-paper 30 that is used for newspaper purposes its quality is improved by mixing glucose with the pulp; but it may be used in the manufacture of all kinds of sized paper in the same manner; and when it is desired to give a better finish and
35 gloss to the surface of the paper the glucose may be applied as a sizing as the paper is passed through the rolls, in the same manner that other ingredients are now applied as a
40 sizing to the paper.

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

The manufacture of sized paper by the use of glucose as a sizing and mixing it with the
45 pulp or applying it to paper as it is passed through the rolls, substantially as described.

JOHN BURTON.

Witnesses:

ALICE HOLLISTER,
JNO. C. MACGREGOR.