

UNITED STATES PATENT OFFICE.

GEORG LOEBBECKE, OF ZEHLENDORF, NEAR BERLIN, GERMANY.

PROCESS FOR THE MANUFACTURE OF CRAPED OR GOFFERED PAPER.

951,954.

Specification of Letters Patent. Patented Mar. 15, 1910.

No Drawing.

Application filed November 26, 1907. Serial No. 403,996.

To all whom it may concern:

Be it known that I, GEORG LOEBBECKE, a subject of the King of Prussia, and resident of Zehlendorf, near Berlin, Kingdom of Prussia, German Empire, have invented a new and useful Process for the Manufacture of Craped or Goffered Paper, of which the following is a specification.

The present invention relates to a process for the manufacture of craped or goffered paper and consists in particular in rendering a paper web, made of a suitably ground paper pulp firm in its creases and little liable to yield for instance according to U. S. application Serial No. 374497. To this end the paper web is submitted to a craping or goffering process for instance in its wet state and on the paper machine and thus provided with craped creases, which are during the drying process submitted to a pressure greater than that produced by the drier felt tending to press the creases or ridges produced in the goffering act together or crush them down in such a manner that a paper is obtained, which is firm in its creases and little liable to yield. At the same time a guiding or leading of the craped paper web during the drying process can be effected in such a manner, that the craped creases or crapage imparted to the paper web as well as the highly increased surface once obtained are maintained.

The paper thus manufactured being firm in its creases and little liable to yield is hereafter according to the present invention moistened or wetted and then while being in the shape of a roller or in layers smoothed or

satined either on one or on both sides in such a manner that a paper is obtained, which is highly adapted to be written upon, and in consequence of its being enormously firm and tough particularly fit for the manufacture of envelops and which finally is through its special crapage giving it in consequence of the high satinage the appearance of it being streaked or veined also adapted to be used for packing, wrapping or fancy purposes. The envelops made from said smoothed or satined crape paper firm in its creases and little liable to yield as applied for are of a superior general quality. The paper itself can further be used, if obtained from a refined and bleached paper pulp and made suitably thin and colored, as fancy paper for all sorts of purposes.

What I claim is:

The process for the manufacture of craped or goffered paper consisting in craping or goffering a paper web and subjecting it to pressure during the drying process to press or crush down the ridges produced in the craping or goffering act and subsequently moistening or wetting the web and smoothing it, substantially as described and specified.

In testimony, that I claim the foregoing as my invention I have signed my name in presence of two witnesses, this 11th day of November, 1907.

GEORG LOEBBECKE.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.