

UNITED STATES PATENT OFFICE.

JULIUS WEZEL, OF LEIPSIC, GERMANY.

PROCESS OF TREATING PAPER FOR ART PRINTING.

SPECIFICATION forming part of Letters Patent No. 698,772, dated April 29, 1902.

Original application filed June 19, 1901, Serial No. 65,178. Divided and this application filed October 4, 1901. Serial No. 77,605. (No specimens.)

To all whom it may concern:

Be it known that I, JULIUS WEZEL, a subject of the King of Saxony, and a resident of Leipsic, Saxony, Germany, have invented a
5 certain new and useful Improved Process of Treating Paper for Art Printing, of which the following is a description.

The present invention consists of a process for treating the paper used for art printing.

10 As is well known, the paper used for art printing and known in commerce as "chromo-paper"—i. e., a fine white paper provided with a very thin coating of size and a slight coating of blanc fixe—is previous to being
15 printed upon provided with a coating or an even layer of color or tint. Hitherto this coating has been applied to the paper immediately it was unwound from the roll, and after having been dried the paper was again
20 wound on the roll. This process has disadvantages in that the paper is not always even and does not lie evenly on the coating-drum, so that the layer is often unevenly applied and the paper becomes patchy and unequal.
25 In order to avoid these disadvantages, according to the present process the paper is first moistened as it comes from the roll, then thoroughly stretched. The coating is then applied to the perfectly evenly stretched paper, after which the said paper, with the coating, is dried and again moistened, and while
30 again being dried is well stretched simultaneously and finally wound on the receiving-roll.

The mechanism employed for applying the
35 coating as also for stretching and drying and eventually for calendering the paper is of the well-known type usual in works for preparing such class of paper and forming no part of the present invention need not be de-
40 scribed.

After the second moistening the paper may be calendered and then again stretched and dried.

I claim as my invention—

1. A process for coating the paper for art
45 printing previous to the printing, according to which the paper is moistened and stretched, previous to receiving the coating, then coated and dried, then again moistened, and simultaneously dried and stretched previous to its
50 being rolled up into a roll substantially as described.

2. A process for coating paper for art printing previous to the printing, according to
55 which the paper is moistened and stretched previous to receiving the coating, then coated, and dried, then again moistened and calendered and simultaneously dried and stretched and rolled up again in the manner and for
60 the purpose substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JULIUS WEZEL.

Witnesses:

CHAS. J. BURT,
RUDOLPH FRICKE.