

UNITED STATES PATENT OFFICE.

WILLIAM AUGUSTUS LEGGO, OF MONTREAL, CANADA.

IMPROVEMENT IN GRANULATED PHOTOGRAPHS.

Specification forming part of Letters Patent No. 115,489, dated May 30, 1871.

To all whom it may concern:

Be it known that I, WILLIAM AUGUSTUS LEGGO, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, gentleman, have invented new and useful Improvements in the Art of Photography; and I hereby declare that the following is a full, clear, and exact description thereof.

By these improvements I produce a new style of photograph, in which the gradations of light and shape of the picture are shown in granulation—*i. e.*, in lines and dots—instead of the usual unbroken shades of greater or lesser intensity. This style of photograph I use in the manufacture of Leggotypes from natural objects, from mezzotints, from brush, stump, pencil, and other drawings, and prints such as not already composed of lines and dots. I further employ this style of photograph in the manufacture of transfers for zinc, stone, &c., from subjects of the above-mentioned classes.

To make a granulated positive I copy, by known photographic manipulation, an ordinary photographic negative, combined with a granulated plate of known or ordinary construction. The two being placed together act as one plate.

From a positive so made I produce, by the art of Leggotyping, a surface-printing type,

capable of being printed from in any type-printing press.

A granulated negative is made by copying, by ordinary photographic manipulation, the positive above described, or by copying, by known photographic manipulation, an ordinary photographic positive combined with a granulated plate, the two in conjunction forming one object.

From a granulated negative so made I produce, by known means, an impression on paper in transfer-ink, capable of being transferred to stone, zinc, &c., and printed from in the ordinary way.

Having thus described the nature, object, and purpose of my invention, to which I have given the name of "LEGGO'S granulated photograph," what I claim as my invention, and wish secured by Letters Patent, is—

1. The granulated positive, produced as described.
2. The granulated negative, produced as described.

Montreal, the 15th day of March, A. D. 1871.

W. A. LEGGO.

Witnesses:

CHARLES LEGGE,
CHARLES G. C. SIMPSON.