A. J. GRUYER.

Advertising-Umbrella.

No. 218,382. Patented Aug 12, 1879.

Fig. 1.

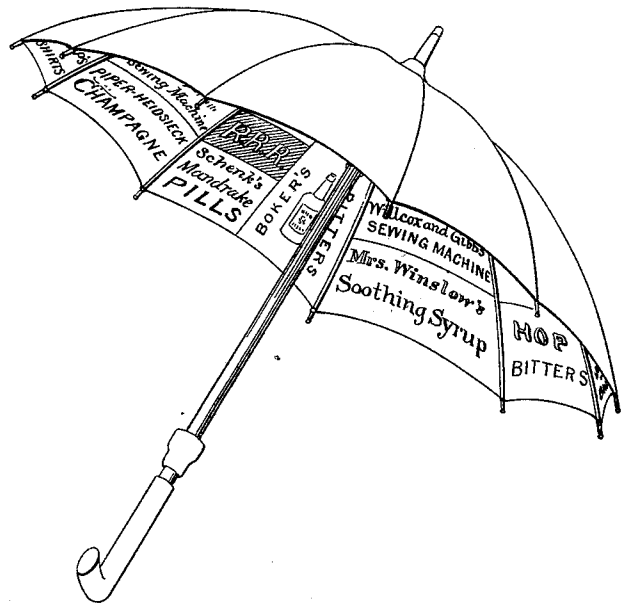


Fig. 2.



Attest:

E. F. Dick

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Inventor:

Achille Julien Gruyer

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his atty.

N. PETERS. PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE

ACHILLE J. GRUYER, OF PARIS, FRANCE.

IMPROVEMENT IN ADVERTISING-UMBRELLAS.

Specification forming part of Letters Patent No. **218,382**, dated August 12, 1879; application filed May 6, 1879.

To all whom it may concern:

Be it known that I, ACHILLE JULIEN GRUYER, of Paris, in the Republic of France, have invented certain new and useful Improvements in Umbrellas, of which the following is a full, clear, and exact description.

This invention relates to the combining of advertisments, or notices, or designs, with umbrellas, and also to the means for carrying the same into effect.

The umbrellas are made in the ordinary way; but the covering is provided with a lining, upon which are printed the advertisements, notices, designs, &c., before the covering is sewed on the frame.

The applied color is not retained well upon the tissue of which umbrella-coverings are ordinarily made. The impressions would rapidly deteriorate by the repeated folding of the same, or under the action of the rain. This objection is entirely avoided by the means which will now be described.

The advertisements are printed not upon the covering itself, but upon a special fabric which serves as the lining to the covering. This fabric is made, preferably, of a tissue of cotton—a material which takes a better impression than the silk of the covering. This cotton fabric is, before printing, applied to the tissue of silk as follows: The two tissues—the lining of cotton and the umbrella-covering of silk—are united together by an agglutinating cement having, preferably, caoutchouc as its base, so that they form, as it were, a single fabric. The printing is done upon the cotton surface by the aid of an ordinary lithographic press. It is usually in colors. For example, in order that it may be the better defined on the fabric, which is usually of a dark shade—black, maroon, or brown—the printing is done in red or other bright color.

On the other hand, in applying the invention to umbrellas or parasols for the sea-shore, the lining of which is of some light-colored stuff—bright green, for example—the advertisements or other designs are printed in a dark shade.

The colors employed in printing are those used in chromo-lithography.

The outside covering is made in the ordinary way of boiled silk, twilled or ribbed, or plain silk or alpaca.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of an extended umbrella with advertisements on the inside, and Fig. 2 a section of the compound fabric forming the umbrella-covering.

The invention is equally applicable to the large umbrellas used in market-stands. It is not limited to the printing of advertisements; but the maker's name, a plan of the city, the owner's name, or ornamental or other designs may be printed in the manner described, and are included in the invention.

Having thus described my said invention and the manner in which the same is or may be carried into effect, what I claim, and desire to secure by Letters Patent, is—

An umbrella the covering of which is made of a fabric composed of a silk tissue and a cotton fabric, united by an impermeable cement, and having advertisements or other designs printed upon the cotton side, which forms the interior surface of the umbrella covering, substantially as set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

GRUYER, FILS.

Witnesses:

ROBT. M. HOOPER,

A. CABYL.