

UNITED STATES PATENT OFFICE.

CARLO SCIAMENGO, OF TURIN, ITALY.

METHOD OF CUTTING OUT CONTOUR-BANDS USED IN COLORING KINEMATOGRAPH-FILMS.

1,036,730.

Specification of Letters Patent.

Patented Aug. 27, 1912.

No Drawing.

Application filed November 2, 1911. Serial No. 658,249.

To all whom it may concern:

Be it known that I, CARLO SCIAMENGO, a subject of the King of Italy, and residing at Turin, Italy, have invented certain new and useful Improvements in Methods of Cutting Out Contour-Bands Used in Coloring Kinematograph-Films, of which the following is a specification.

This invention relates to the cutting out of the contour or stencil bands used in coloring kinematograph films and has for its object to overcome the drawbacks hitherto encountered in performing this operation with precision by means of cutting instruments.

The present invention consists in an improved method of cutting out contour bands for the above purpose, in which the contour to be cut out is traced over by a point heated to such a temperature that the celluloid of the band is softened without taking fire. By these means the desired contour can be cleanly cut out with the greatest smoothness.

The point may be heated by means of an electric current, a jet of carbureted air or in any other known manner, and is mounted in a support which may take the form of a handle when the operator desires to operate the said point directly by hand. The support may be of other form if the point is to be indirectly operated by the user.

In every case it is important that the point should be maintained at a temperature as far as possible constant so that the incision made in the film may be clean and uniform.

The temperature to which the point should be raised cannot be exactly determined but may be easily discovered by experience, it being merely necessary that the celluloid should become soft without catching fire.

What I claim as my invention and desire to secure by United States Letters Patent is:—

1. The method of cutting out contour or stencil bands of celluloid for use in coloring kinematograph films, which consists in passing over the celluloid band a point heated to a temperature sufficient to cause the desired contour to be cleanly cut out.

2. The method of cutting celluloid, which consists in subjecting it to the action of a tool or point heated to a temperature sufficient to soften the celluloid.

In testimony whereof I affix my signature in presence of two witnesses.

CARLO SCIAMENGO.

Witnesses:

LA BRUNA GIOVANNI,
CARLO TORTA JUY.