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PATENT SPECIFICATION



Convention Date (Germany): Jan. 20, 1931.

375,225

Application Date (in United Kingdom): Jan. 20, 1932. No. 1767 / 32.

Complete Accepted: June 23, 1932.

COMPLETE SPECIFICATION.

Improvements in or relating to the Production of Lenticular Elements on Films.

5 We, I. G. FARBENINDUSTRIE AKTIEN-
GESELLSCHAFT, a Joint Stock Company,
organised according to the laws of Ger-
many, of Frankfurt a/Main, Germany,
do hereby declare the nature of this
invention and in what manner the same
is to be performed, to be particularly
described and ascertained in and by the
following statement:—

10 It has been proposed to make the
lenticular film used for carrying out the
Berthon process for taking pictures in
their natural colours (see Specification No.
10,611 of 1909) by helically winding a cylin-
15 drical core or roller with thin wire and
using the wound roller for producing the
lenticular structure. According to the
proposed process, the roller carrying the
wire coils, or the positive or negative
20 reproduction thereof, is rolled on a
support, either the casting plane for the
film or the film itself, thus producing a
relief on the support.

25 According to the present invention, in
making lenticular films, especially by the
casting method, the core for the wire
helix is given a form which instead of a

cylinder, is that of a barrel slightly bulg-
ing in the middle. Thereby it is avoided
that the band which during the impressing
process is passed under the impressing
roller is not impressed in its middle part
owing to the fact that the hanging or
bending of the plane to be impressed is
sometimes inevitable.

30 For example, the barrel-shaped core of
the wire roller has in the middle a dia-
meter of 100.15 mm. and at its two ends
a diameter of 100 mm.

35 Having now particularly described and
ascertained the nature of our said inven-
tion and in what manner the same is to
be performed, we declare that what we
claim is:—

40 A roller carrying wire coils for produc-
ing lenticular elements on films charac-
terised in that the form of the roller is
slightly barrel-shaped.

Dated this 20th day of January, 1932.

45 ABEL & IMRAY,
30, Southampton Buildings, London,
W.C. 2.

Agents for the Applicants.

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