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DIRECT PRODUCTION OF RUBBER GOODS FROM RUBBER DISPERSIONS.

No Drawing. Application filed September 14, 1927, Serial No. 219,555, and in Greta Britain August 4, 1926.

deposit thus obtained. The deposit must be ing to the thickness of deposit required. nical requirements such as adhesion to the 15 mould when the latter is removed from the to unvulcanized or vulcanized natural or ar- 50 20 obviate these disadvantages. We have now substances, as for example gutta-percha or 55 substances or peptising agents furnish a good and conditioning agents. means of regulating the degree of coagula- What we claim is: tion.

or an alkali, and carry out the process described and claimed in any of the said speci-30 fications. This has the effect of producing a latex by electrophoresis upon an anodic 65 much tougher deposit than is obtainable mould. without such prior addition without increas- In witness whereof, we have hereunto ing the electrical resistance in an undesir- signed our names. able manner as aforesaid.

As an example of the above described proc-

This invention relates to the manufacture 'ess we may add 6 to 12 grams of soft soap to of rubber goods from rubber dispersions.

1 litre of latex containing about 30% of rub-Processes have been proposed based on the ber, which may or may not be preserved by fact that it is possible to deposit rubber on a ammonia or by any other preserving agent, 5 deposition stratum by electrical means and and then depositing out of this dispersion, 40 obtain deposits of different even considerable for example on a porous mould, using a curthicknesses without having the risk of totally rent density of 3 amperes per square decicutting off the electric current by insulation, metre of mould surface during a time of 5 which would prevent further deposition. minutes to produce a deposit of approxi-One of the main features of these processes mately 2 millimetres in thickness. The cur- 45 is to get the right degree to coagulation in the rent density or time may be varied accord-

Without departing from the scope thereof coagulated to a certain extent to fulfil tech- the present invention is applicable not only bath, and the like. On the other hand a too tificial rubber emulsions with or without adstrong coagulation of the deposit increases ditional substances and conditioning agents, the electrical resistance in an undesirable but also to natural or artificial, vulcanized or manner. The object of this invention is to unvulcanized, emulsions of other rubber like found that an addition of certain protective balata, with or without additional substances

In the manufacture of rubber and the like According to this invention we add to the or articles manufactured therefrom the proc- 60 rubber disperson a peptizing agent such as ess which comprises regulating the degree of a protective colloid (for example, soft soap) coagulation by adding soft soap to natural latex in the proportion of 6 to 12 grams of soft soap to 1 litre of 'tex and depositing the

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## CERTIFICATE OF CORRECTION.

Patent No. 1,683,588.

Granted September 4, 1928, to

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above numbered patent requiring correction as follows: Strike out transposed lines 13 and 14, and insert instead "coagulated to a certain extent to fulfill technical requirements such as adhesion to the"; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 27th day of November, A. D. 1928.

(Seal)

M. J. Moore, Acting Commissioner of Patents.