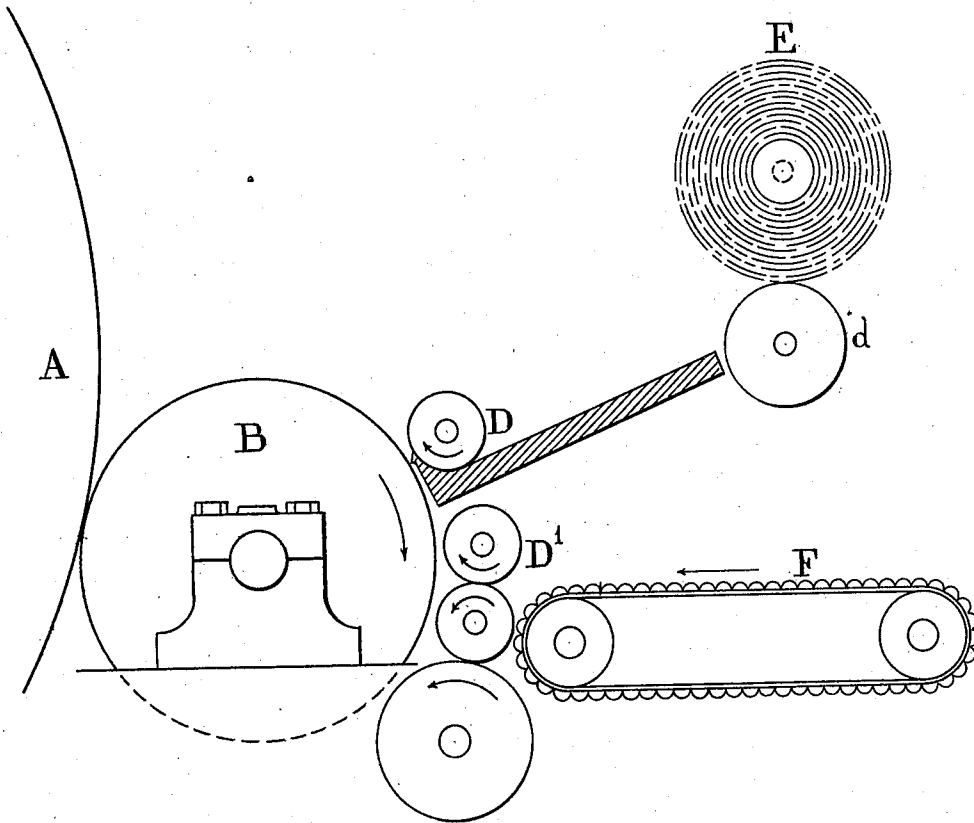


E. TILLOTSON.
CARDING ENGINE.
APPLICATION FILED DEC. 20, 1918.

1,395,877.

Patented Nov. 1, 1921.



Witnesses:
C. A. Dove

Inventor
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UNITED STATES PATENT OFFICE.

EDWARD TILLOTSON, OF ROCHDALE, ENGLAND, ASSIGNOR TO POTTER'S ASBESTOS COMPANY LIMITED, OF ROCHDALE, ENGLAND.

CARDING-ENGINE.

1,395,877.

Specification of Letters Patent.

Patented Nov. 1, 1921.

Application filed December 20, 1918. Serial No. 267,561.

To all whom it may concern:

Be it known that I, EDWARD TILLOTSON, a British subject, of Rochdale, county of Lancaster, England, residing at Duke street, Rochdale, county of Lancaster, have invented certain new and useful Improvements in Carding-Engines, of which the following is a specification.

This invention relates to carding engines provided with two separate feeds for the purpose of mixing two or more fibers during the process of carding.

In this class of machine it has been proposed to employ two licker in rollers and to feed the fibers to two different points upon the periphery of the main carding cylinder.

I consider that better results are obtained by applying the feed simultaneously to two different points on the licker in roller and feeding the mixed fibers together direct from the licker in to one and the same point on the periphery of the main carding cylinder.

The invention will be fully described with reference to the accompanying drawings.

The figure is a diagrammatic section of the feed end of a carding engine.

The carding engine is of the ordinary construction with a cylinder A and licker in roller B which latter may be of larger diameter than is commonly the case.

Two or more sets of feed rollers D D' feed the fibers to different points on the periphery of the licker in roller B. One set of feed rollers preferably the upper set D may feed from a lap E on lap rollers d and

the other set may feed from a lattice F on which loose fibers are spread. Thus two qualities or varieties of fibers such for examples as cotton and asbestos are simultaneously fed to different points on the periphery of the licker in roller. The mixed fibers are then taken together from the licker in roller on to the main cylinder A at the same point on its periphery.

What I claim as my invention and desire to protect by Letters Patent is:—

In an apparatus for mixing and carding fibrous materials, the combination of a carding cylinder, a licker-in roller operatively associated with said carding cylinder, sets of feed rollers arranged at different points adjacent the periphery of said licker-in roller, means for passing a lap to one set of feed rollers, mechanism for passing loose fibers of different material from said lap to another set of said feed rollers, whereby said lap and fibrous material are fed simultaneously to different points on the periphery of said licker-in roller and the mixed material is taken from the licker-in roller on to the carding cylinder at a single point on the periphery thereof.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses, this 9 day of November, 1918.

EDWARD TILLOTSON.

Witnesses:

I. OWDEN O'BRIEN,

I. GREEVES O'BRIEN.