

Eskrett & Searle,
Oil Cake Envelope.
No. 108,774. Patented Nov. 1. 1870.

Fig. 1.

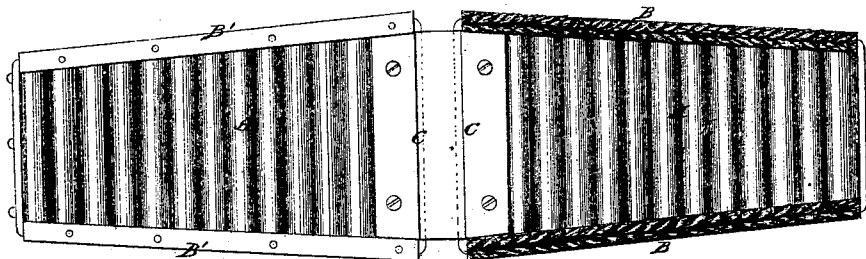


Fig. 2.

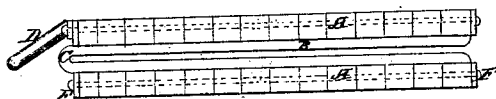


Fig. 3.

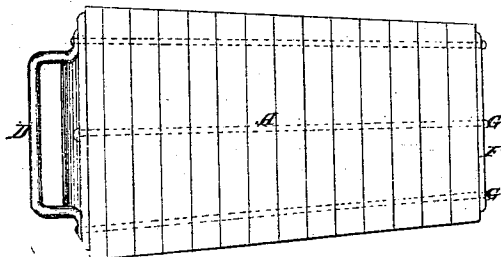


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

CYRUS ESKRETT AND HENRY SEARLE, OF HULL, ENGLAND.

IMPROVEMENT IN OIL-CAKE ENVELOPES.

Specification forming part of Letters Patent No. **108,774**, dated November 1, 1870.

To all whom it may concern:

Be it known that we, CYRUS ESKRETT and HENRY SEARLE, both of Hull, in the county of York, England, have invented new and useful Improvements in Oil-Cake Envelopes or Hairs; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Our invention consists in constructing an apparatus in the manner hereinafter described, which shall serve the purpose of the ordinary "hairs" now used in extracting oil from oleaginous seeds and in oil-cake making, such hairs being very expensive and uneconomical, while our apparatus will be found economical and efficient. We construct our envelopes or hairs by fitting together strips or pieces of wood, so as to form a corrugated plate or board of a form similar to the face of the hair now in general use for seed-crushing and oil-cake-making purposes. Each corrugation should be made out of a separate piece of wood placed transversely, and as many such pieces should be put together as may be required to make up the proper length for the size of cake required to be produced by the use of the hairs. These "envelopes" or hairs can be made out of one piece of timber or any number of pieces. At each side or edge of the board, which may be, say, for example, about three-quarters of an inch wide, we fix, instead of the corrugated board or corrugated pieces, a hair rope, or piece of leather, or other similar yielding substance; or we even use wood or other such like substance. Two such boards

are to be used, one to be placed above the cake and the other beneath, and while in the press both boards should be attached to each other.

Figure 1 is a face view of our improved envelope open. Fig. 2 is an edge view closed. Fig. 3 is a back view closed. Fig. 4 is a section showing corrugation.

Similar letters of reference indicate corresponding parts.

In the said figures, A denotes the corrugated part; B, the horse-hair edge; B', leather edges; C, hinges; D, handle for putting in and taking out the envelopes from the press. E denotes the stitching (through the board) for securing the hair-rope in position; F F, end plates, through which the ends of the bolts G G (dotted lines) pass, which also pass through the corrugated board longitudinally, and are secured by screw-nuts, as shown, to hold the pieces of which the boards are made together.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The improved envelopes or hairs formed of corrugated boards or pieces of boards united together, and provided with the leather or hair edges, the said corrugations running transversely, all substantially as specified.

The above specification of our invention signed by us this 18th day of August, 1870.

CYRUS ESKRETT.
HENRY SEARLE.

Witnesses:

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