

J. H. SELLARS.
Envelopes for Oil-Cakes.

No. 151,059.

Patented May 19, 1874.

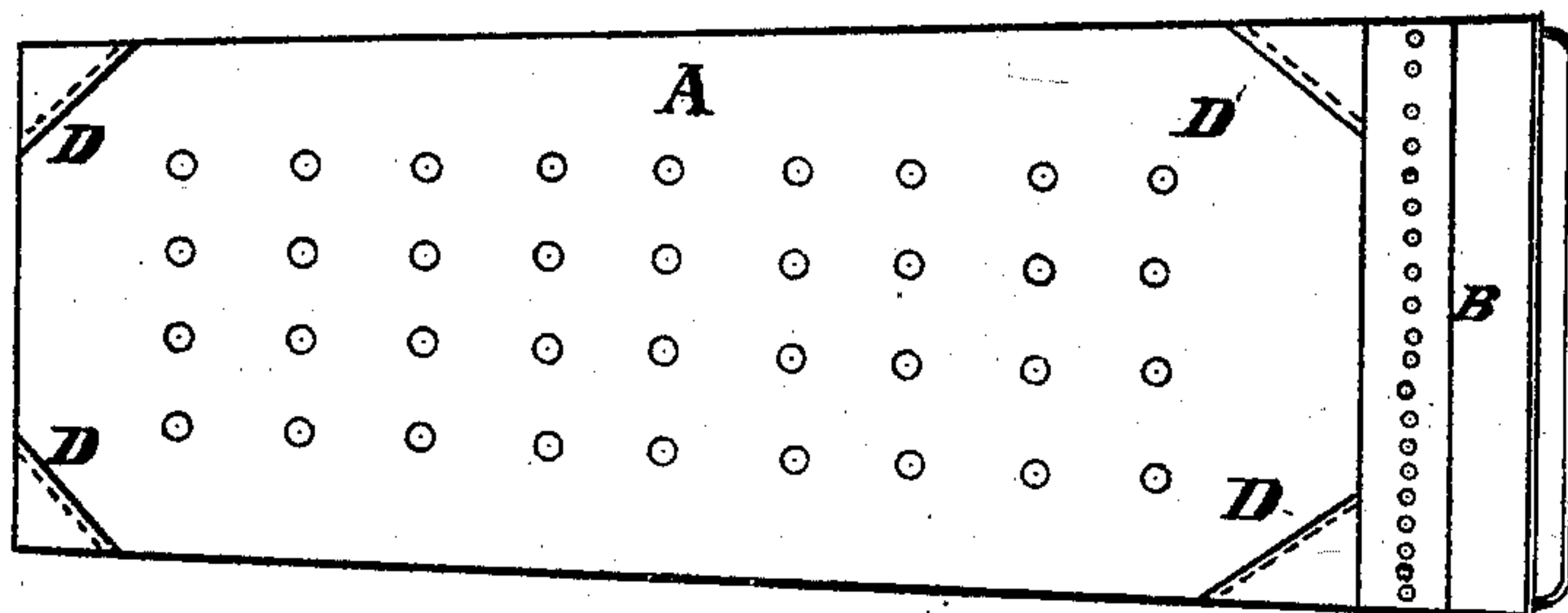
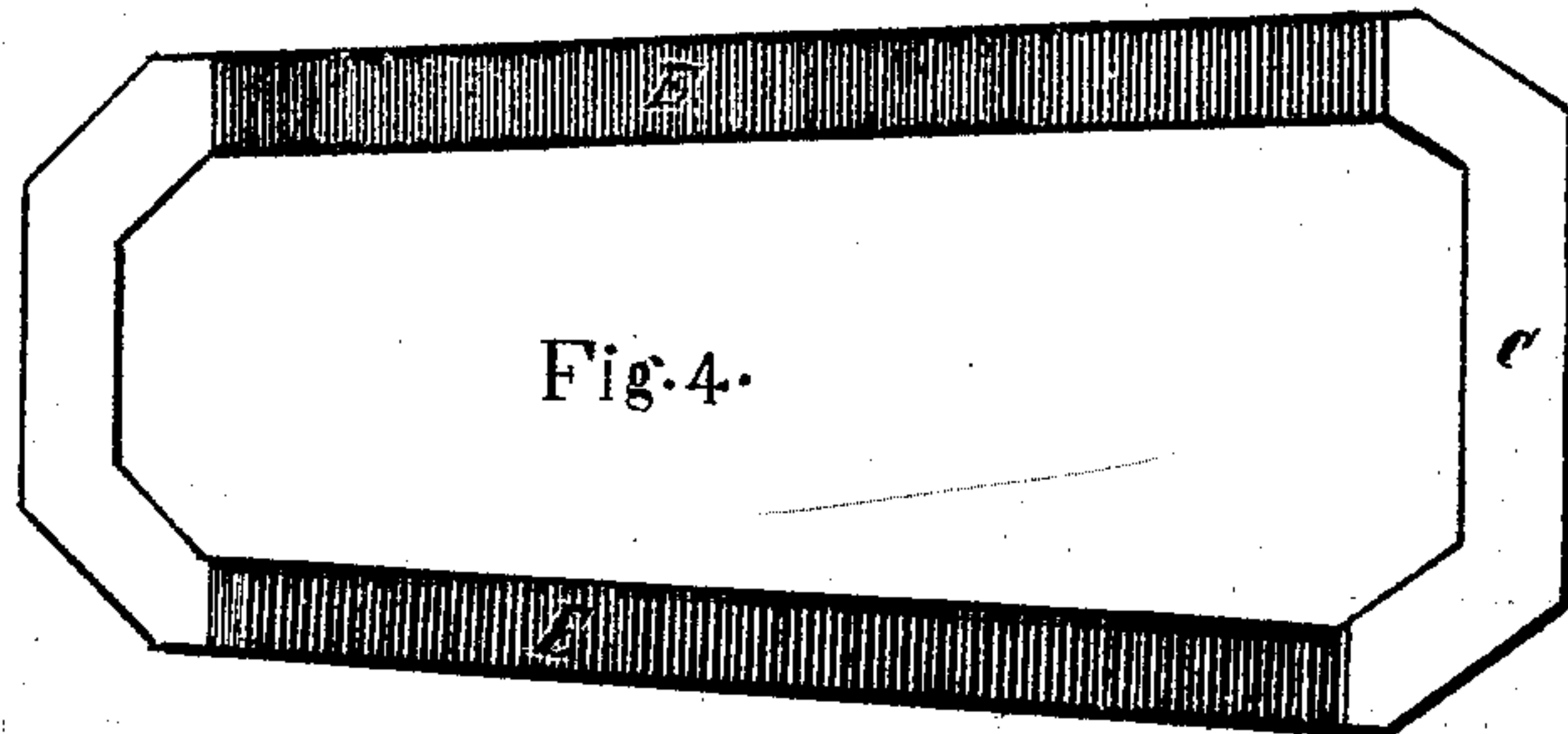


Fig 2



witnesses:
Mannell & Cooke
Stephen Brown

inventor:
John H Sellars
by his atty
J. D. Damp

UNITED STATES PATENT OFFICE.

JOHN H. SELLARS, OF LA FAYETTE, INDIANA.

IMPROVEMENT IN ENVELOPES FOR OIL-CAKES.

Specification forming part of Letters Patent No. **151,059**, dated May 19, 1874; application filed December 10, 1873.

To all whom it may concern:

Be it known that I, JOHN H. SELLARS, of La Fayette, in the county of Tippecanoe and State of Indiana, have invented new and useful Improvements in Envelopes for Oil-Cake; and I do hereby declare that the following specification, taken in connection with the drawings furnished, is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same.

My invention relates to that class of envelopes used more especially for retaining oil-meal during the process of expressing the oil therefrom when it is formed into cakes; and it consists in the employment of metallic plates, perforated with numerous holes, said plates joined together by hinges, inclosing a detachable rim forming the sides, held in position by beveled or curved projections.

The object of my invention is the construction of an oil-cake envelope in such a manner that the rim forming its sides may be easily and instantly detached from its position for greater convenience in cleaning; providing the plates with perforations for the purpose of forming projections on the cakes, ornamental or otherwise, thereby serving the twofold purpose of admitting air-passages in every direction between the cakes when piled or packed together, and of conveniently designating the various grades or brands of cake by differently-formed figures, &c., formed in the plates of the envelopes, as thus: When round holes are adopted the term "button-cake" may be adopted; when openings are provided of a star form, or of a diamond, the terms "star cake," or "diamond brand," &c., serves to indicate the varied qualities.

Referring to the drawing, Figure 1 exhibits an edge view of my improved envelope; Fig. 2, end view, exhibiting the means for the escape of oil; Fig. 3 exhibits face view of one of the plates, showing holes; Fig. 4, the detachable rim.

Letter A, perforated plate; B, hinge and handle; C, rim; D D D D, projections for retaining the rim in position; E, hair or other suitable material.

In the construction of my envelope I em-

ploy two metallic plates, in size and form similar to those in common use for seed-crushing and oil-cake making. Said plates are provided with holes three-fourths of an inch in diameter, more or less, for arrangement and numbers. The drawings exhibit suitable proportions. Said holes, whether round or otherwise, should be beveled or countersunk, to prevent the cutting of the bag when forced into the same, and to allow the cake to readily release itself, which otherwise would cling to the form. These plates are joined together by hinges at the widest ends of the same. In connection with the latter a handle is arranged, (see drawings.) One or two rims may be employed in forming my envelope, of dimensions corresponding with the plates, (see Fig. 4.) Said rims are held in position by projections attached to or formed at or on the corners of the plates, and are represented in the drawing as beveled, (see Fig. 2,) although the same result may be accomplished by turning or bending the ends or corners in any other convenient form. The rims are wound with hair or other suitable material, and are also provided with grooves at the ends for the escape of oil, (see Fig. 2.) This rim is sprung into position readily by the hand, and as easily removed. It is adapted for the same presses as the ordinary styles; and practical experience in the use of my said invention proves that bags will last nearly twice the length of time as when used in the common or ordinary styles with ribs, &c.

My envelope may be used with a fixed or detachable rim, with or without hair edges; or may be provided with grooves, or without. When without hair or other material on the sides of the rim the oil will escape through the perforations in the plates, although the employment of the detachable rim with haired edges and grooves is considered preferable.

Having thus set forth my invention, what I claim as new, and desire to secure Letters Patent of the United States for, is—

1. An envelope formed of perforated plates hinged together with its detachable rim, substantially as herein set forth.

2. The combination of the perforated plates and detachable rim with the hair or other

material secured thereon, substantially as set forth.

3. The combination of the perforated plates and its grooved rim, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto signed my name before two

subscribing witnesses, this the 3d day of December, A. D. 1873.

JOHN H. SELLARS. [L. S.]

Witnesses:

J. T. CHUTÉ,

W. R. BRECKENRIDGE.