

Specification of Francis Plowden : preserving animal and other substances.

Contributors

Plowden, Francis.

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A.D. 1807 N° 3051.

S P E C I F I C A T I O N

OF

FRANCIS PLOWDEN.

PRESERVING ANIMAL AND OTHER
SUBSTANCES.

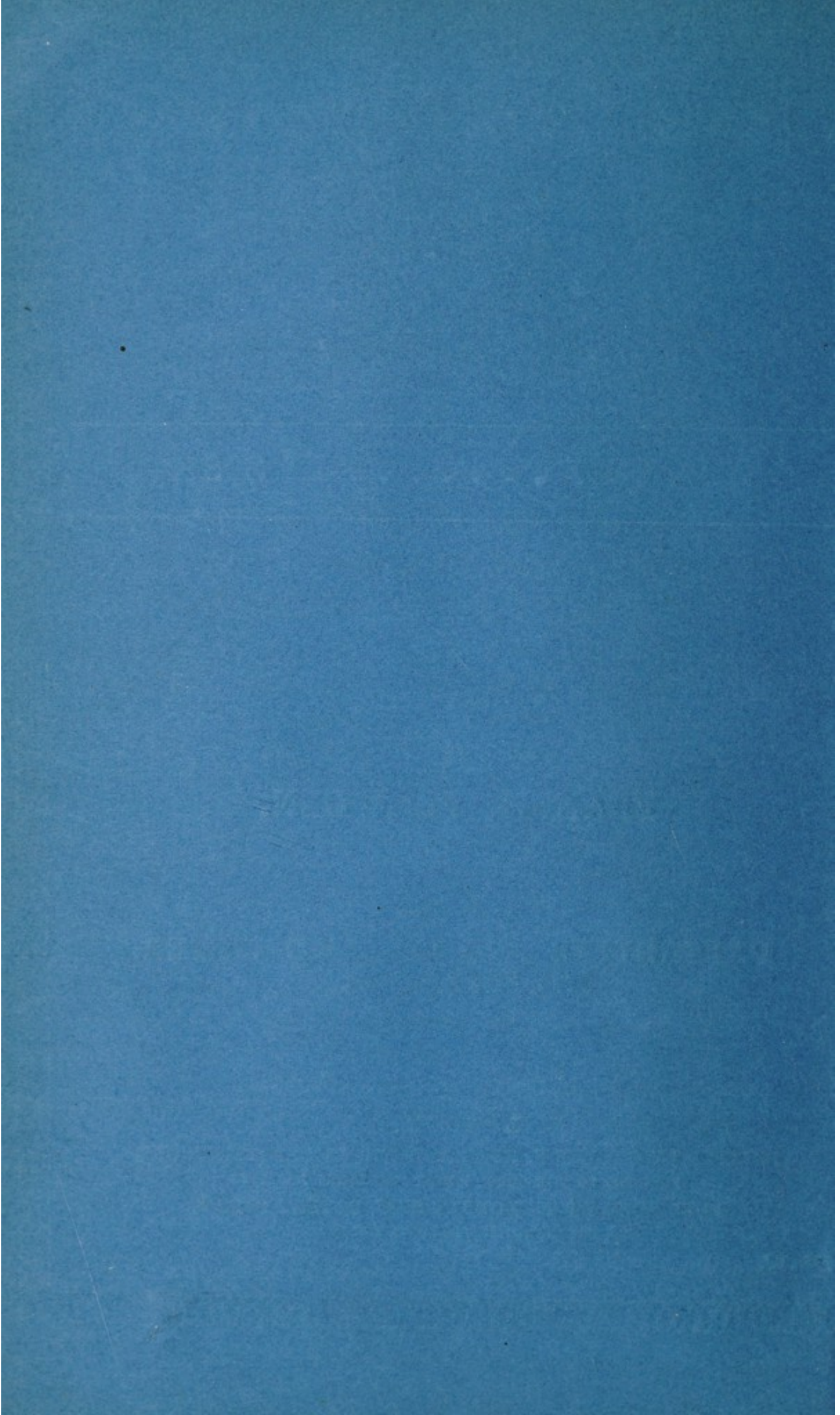
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A.D. 1807 N° 3051.

Preserving Animal and other Substances.

PLOWDEN'S SPECIFICATION.

TO ALL PERSONS WHOM THESE PRESENTS SHALL CONCERN, I, FRANCIS PLOWDEN, of Essex Street, near the Temple, London, Esquire, send greeting.

WHEREAS His most Excellent Majesty King George the Third, by His
5 Letters Patent under the Great Seal of Great Britain, bearing date at
Westminster, the Thirteenth day of June, in the forty-seventh year of His
reign, did give and grant unto me, the said Francis Plowden, my exors,
admoors, and assigns, His especial licence, that I, the said Francis Plowden,
my exors, admoors, and assigns, during the term of years therein expressed,
10 should and lawfully might make, use, exercise, and vend, within that part of
the United Kingdom of Great Britain and Ireland called England, the
Dominion of Wales, and Town of Berwick-upon-Tweed, and also in all His
Majesty's Colonies and Plantations abroad, my newly invented "APHTHARTIC
VIANDS, BEING BUTCHERS' MEAT, ANIMAL AND OTHER COMESTIBLE SUBSTANCES,
15 PRESERVED WITHOUT ACID, SALT, OR DRYING, IN A SWEET, PALATABLE, AND NUTRI-
TIOUS STATE, FIT FOR CONSUMPTION, BOTH AT SEA AND ON LAND, FOR AN EXTRAORDI-
NARY LENGTH OF TIME;" in which Letters Patent there is contained a proviso,
obliging me, the said Francis Plowden, by an instrument in writing under my
hand and seal, particularly to describe and ascertain the nature of my said
20 Invention, and in what manner the same is to be performed, and to cause
the same to be inrolled in His Majesty's High Court of Chancery within
six calendar months next and immediately after the date of the said recited
Letters Patent, as in and by the same, relation being thereunto had, will
more fully and at large appear.

25 NOW KNOW YE, that in compliance with the said proviso, I, the said
Francis Plowden, do hereby declare that my said Invention for Preserving
Butchers' Meat, Animal and other Comestible Substances, in a Sweet, Pala-

Plowden's Improvements in Preserving Animal and other Substances.

table, and Nutritious State, fit for Consumption both at Sea and on Land, without Acid, Salt, or Drying, for an extraordinary Length of Time, is performed on the principles and in manner following, that is to say:—

Putrefaction is a spontaneous decomposition of the elementary component parts of the putrefying bodies. Although the atmospheric air be not the sole efficient cause of putrefaction, yet the contact of it evidently favors and accelerates putrefaction. Consequently the preservation or security of such bodies from the immediate contact and as much as can be from the influence of the atmospheric air, must proportionably retard and prevent putrefaction, which is effected by the evaporation or exhalation of elementary parts. If, therefore, these bodies, whilst sound and untainted, can be closely enveloped in an air-proof medium or substance, so as to prevent evaporation or exhalation, their decomposition must be arrested, as long as the circumambient preservative continues to resist the admission and action of the air. The texture or quality of such incrusting substance or medium of preservation must not only resist the effects of the atmospheric air, but it must not communicate any noxious quality to its contents. The substance of which I form this incrustation is very highly dried essence or extract of meat. The substance to be preserved being dressed will preserve the longer, and it should be put into the vessel in a cold state, and wiped dry. Care must be had that it contain no insect, vermin, or other immediate active cause of corruption, or any particle of inchoate putrefaction. If this essence or extract be properly made, the advantage of its affording pleasant, wholesome, and nutritive soup or broth, and its general utility for all culinary purposes, will be incalculable. The process of extracting the gelatin from the animal substance will be attended with this further oeconomic effect, that it will leave the membrane and all other parts of the animal substance (except the earth and bone) in the immediate state of preparation for being converted into soup. And as to the earth of the bones, that will afford phosphoric acid, which may be converted into that species of phosphorus which is in high estimation, and very valuable to refiners. Every part of the substance to be preserved should be compleatly enveloped with the extract, so that no vacuum or interstice be left open; and it should be applied in that fusible state as to find its way into every vacuum. The vessels are best of wood, and should be kept as dry as possible.

In witness whereof, I, the said Francis Plowden, have hereunto set my hand and seal, on this Tenth day of December, in the year of our Lord One thousand eight hundred and seven.

FRANCIS PLOWDEN. (L.S.)

Plowden's Improvements in Preserving Animal and other Substances.

AND BE IT REMEMBERED, that on the Tenth day of December, in the year of our Lord 1807, the aforesaid Francis Plowden came before our said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form
5 above written. And also the Specification aforesaid was stampd according to the tenor of the Statute made for that purpose.

POPHAM.

Inrolled the Eleventh day of December, in the year of our Lord One thousand eight hundred and seven.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1855.

I hereby certify that the following is a true and correct copy of the original as the same appears in the records of the Department of the Interior, Bureau of Land Management, at Washington, D.C.

AND that the same is a true and correct copy of the original as the same appears in the records of the Department of the Interior, Bureau of Land Management, at Washington, D.C.

Witness my hand and the seal of the Department of the Interior, at Washington, D.C., this _____ day of _____, 1887.

 Secretary of the Interior

This is a true and correct copy of the original as the same appears in the records of the Department of the Interior, Bureau of Land Management, at Washington, D.C.

[Faint, illegible text, possibly bleed-through from the reverse side of the page.]