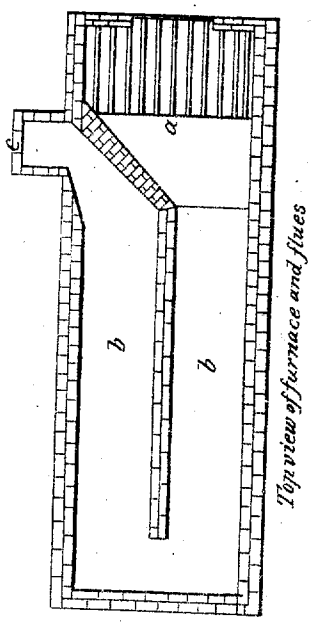
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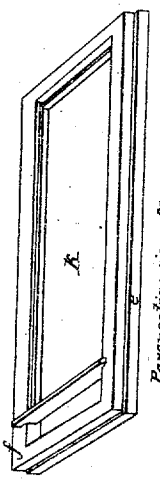
Making Glue.

Patented Apr. 29, 1830.

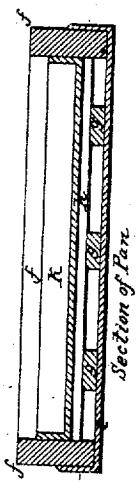
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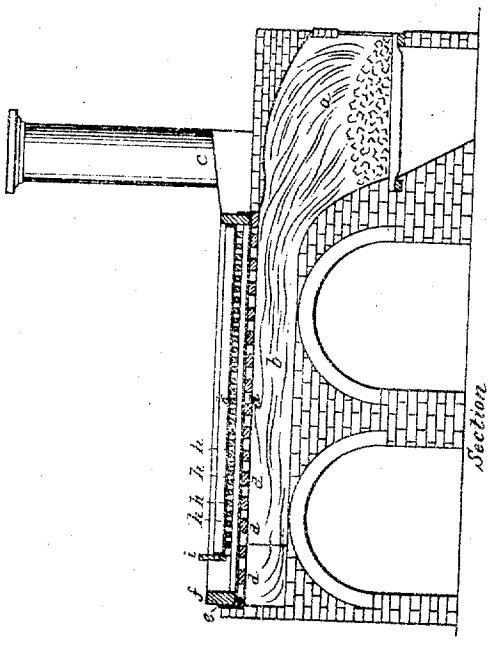
Top view of furnace and flues



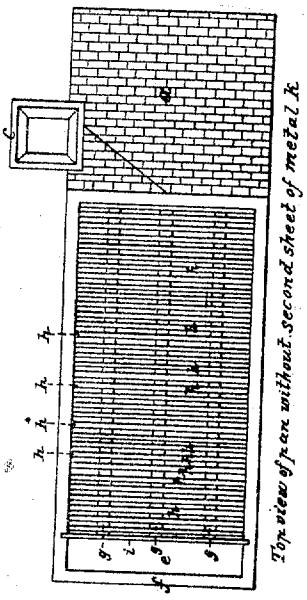
Perspective view of pan



Section of Pan



Section



Top view of pan without second sheet of metal k

X5943 Peter Coffee of New York City April 29, 1830

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Peter Coffee himself of his improvement in the art of making Glue by evaporating the foot water or liquor from the boiling of bones of all kinds of animals

Be it known that I Peter Coffee of New York in the County of New York & State of New York, have invented a new and useful improvement in the art of making Glue by evaporating the water commonly called the foot water or the liquor after the boiling the bones of all kinds of animals to a proper consistence for cutting drying and making into glue by means of a double proved evaporating basin and that the following is a full and exact description of the construction and operation of the same as invented or improved by me. This improvement consists in having an ordinary furnace made of brick work, from this furnace runs a horizontal flue or flue half the width and running the whole length on which it is intended to construct the evaporating basin it is then returned on the other side back to the furnace where the flue terminates in a perpendicular chimney, across these two flues are to be laid cast iron bars of about an inch and a half broadth to support the lower basin, upon these is laid one inch cast iron plates and upon the edges of this is placed a wooden curb form inside with dimensions of the inside of the curb at the top 4 feet 4 inches square, upon the bottom of this curb are laid three or four longitudinal strips of boards about 2 or 3 inches in width & terminating about a foot short of the inside of the curb at the end from the furnace across these are placed another and a thick upon each of these is laid a sheet of thick iron each sheet of iron being made to the form of the longitudinal strips on which they rest at the

No. 5943

Panel when the longitudinal Ribs terminate at the far end of the Curb & about one foot from it is a piece of board going across the basin & pierced to the inside of the Wooden Curb aforesaid. This board is to be continued about half an inch higher than the Rib according Curb and about two inches below the depth. — Upon these ribs is laid a thin sheet of lead extended, or other metallic substance the edges of which are to be bent up and nailed to the inside of the Curb and the board aforesaid & so as to be impervious to the water. This completes the construction of the evaporating basin. Water is now to be poured in the open end of the lower basin, which is beyond the board aforesaid until it fills up all the space that is between the two basins. Fire is then put to the furnace until the water boils & then the foot water or liquor remaining after boiling the oil from the bones & feet is to be run into the upper basin and the fire kept up until the foot water is evaporated to a proper consistence to be taken out and put into cooling troughs, when afterwards is cut & formed as nuts to dry — This completes the process —

The improvement for which your Petitioner claims an exclusive right is the construction of the double closed evaporating basin & the application of it to the purposes of making Glue described as aforesaid; whereby the foot water or liquor after boiling the bones of all kinds of animals is evaporated into a proper consistence to preserve it and make it into Glue.

Witnesses

J. Morton

Wm Allison

Peter Cooper.

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