NO PRINTED SPECIFICATION AVAILABLE.

O. Badger.

BEST AVAILABLE COPY

8,773 - X Feather Renovator.

Patented Apr. 22, 1835.

Fig: 1.

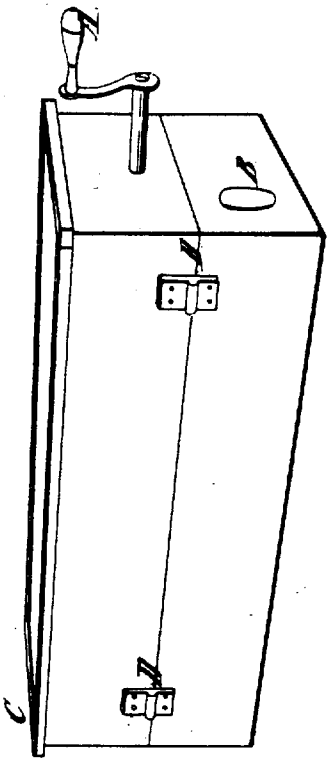


Fig: 3.

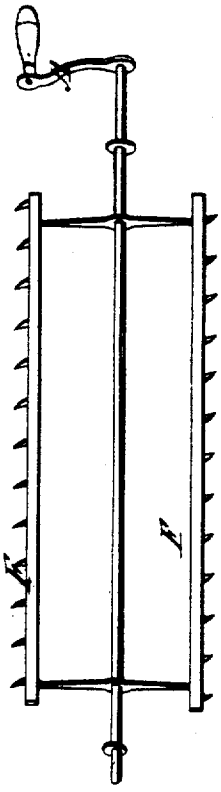
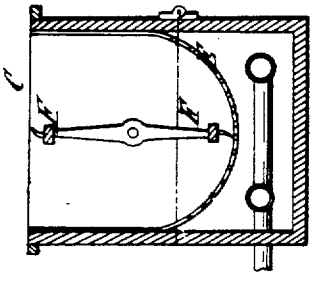


Fig: 2.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

8773X Apr 22 1835

Crosby Bradger of Olean – New York

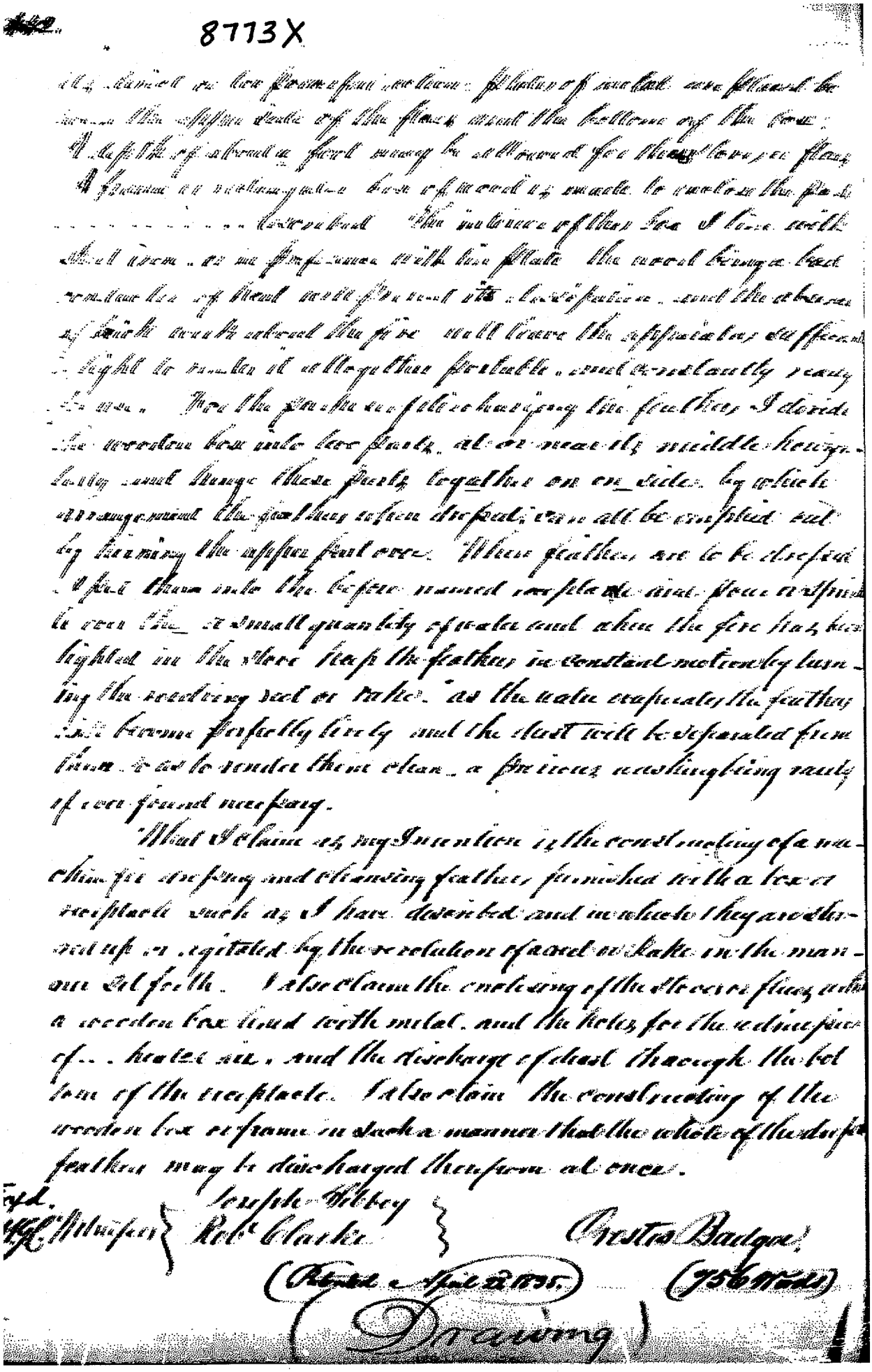
Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Crosby Bradger himself of his invention and of a machine for cleaning and purifying feathers

To all whom it may concern.

Be it known that I Crosby Bradger of Olean in the County of Allegany and State of New York have invented an improved machine for cleaning and purifying feathers. And I do hereby declare that the following is a full and exact description thereof. The machine may of course vary in its dimensions according to the quantity of feathers which are to be acted upon at one operation, the measurements therefore which I may indicate are only to be considered as relative and belonging to one of ordinary size. I make a box or receptacle for the feathers of sheet iron - this box may be six feet long two feet six inches wide and three feet deep. its lower half constituting a semicylinder placed horizontally and above this part the sides may rise vertically. A reel or revolving rake is placed within this box. The arms of teeth or pins placed upon it shall come nearly in contact with the cylindrical bottom and stir up the feathers. one of the gudgeons of the shaft passing through the end of the box to communicate the requisite motion to it. The cover of the box may consist of cloth stretched upon a suitable frame. The bottom of it is to be punctured with numerous holes to admit of the passing of heated air into it and to allow of the escape of the dust .... separated from the feathers in the process of drying. Immediately beneath the bottom of the box .. I place stove pipes which may be fed with fuel through suitable openings at each end of the machine. These stove or flues are so arranged as to distribute the heat as equally as possible under every part of the box and to intercept

8713X



Drawing