No. 649,606. Patented May 15, 1900.

A. V. HYSORE.

MOISTENING APPARATUS FOR TOBACCO.

(Application filed Aug. 26, 1899.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

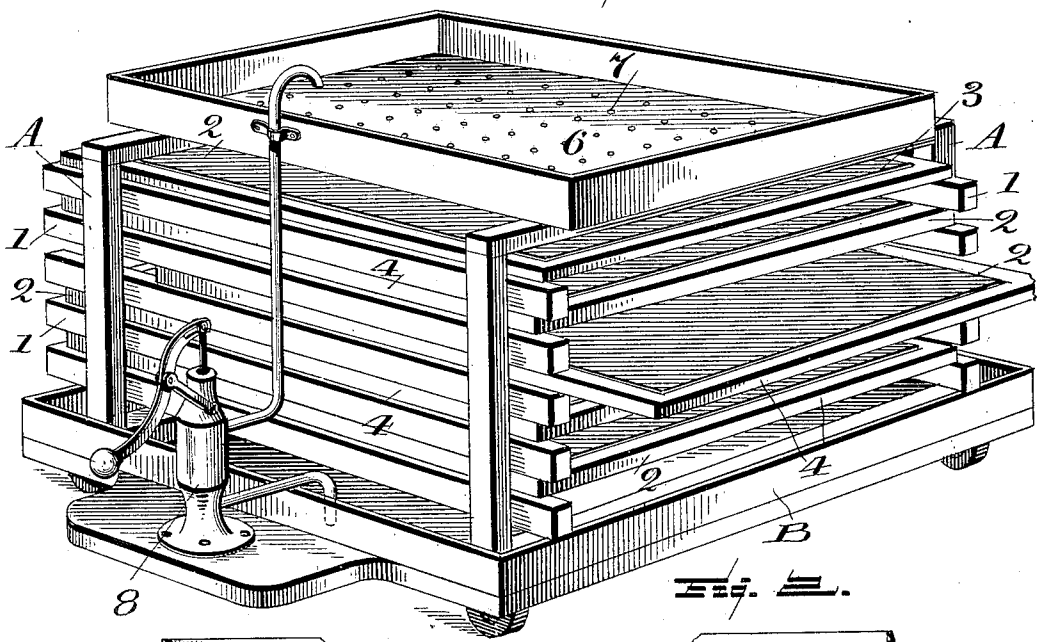
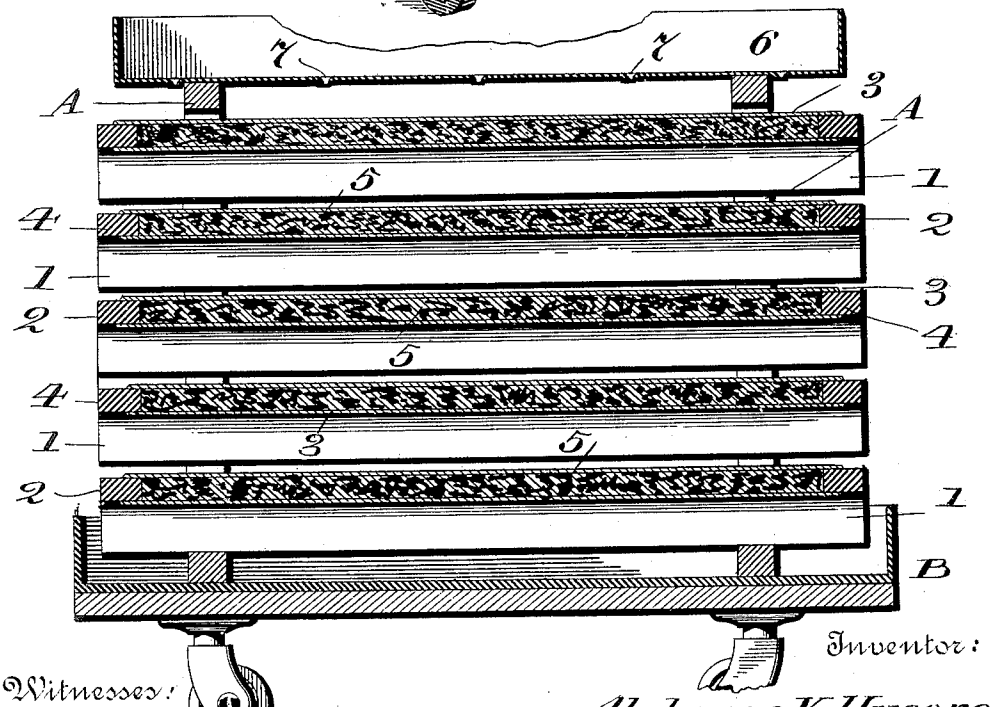


Fig. 2.



Witnesses:
F. C. Hitt.
G. F. Downing.

Inventor:
Alphenas V. Hysore,
By A. A. Seymour
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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Fig. 3.

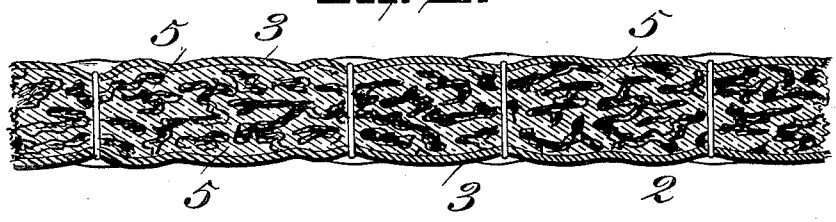
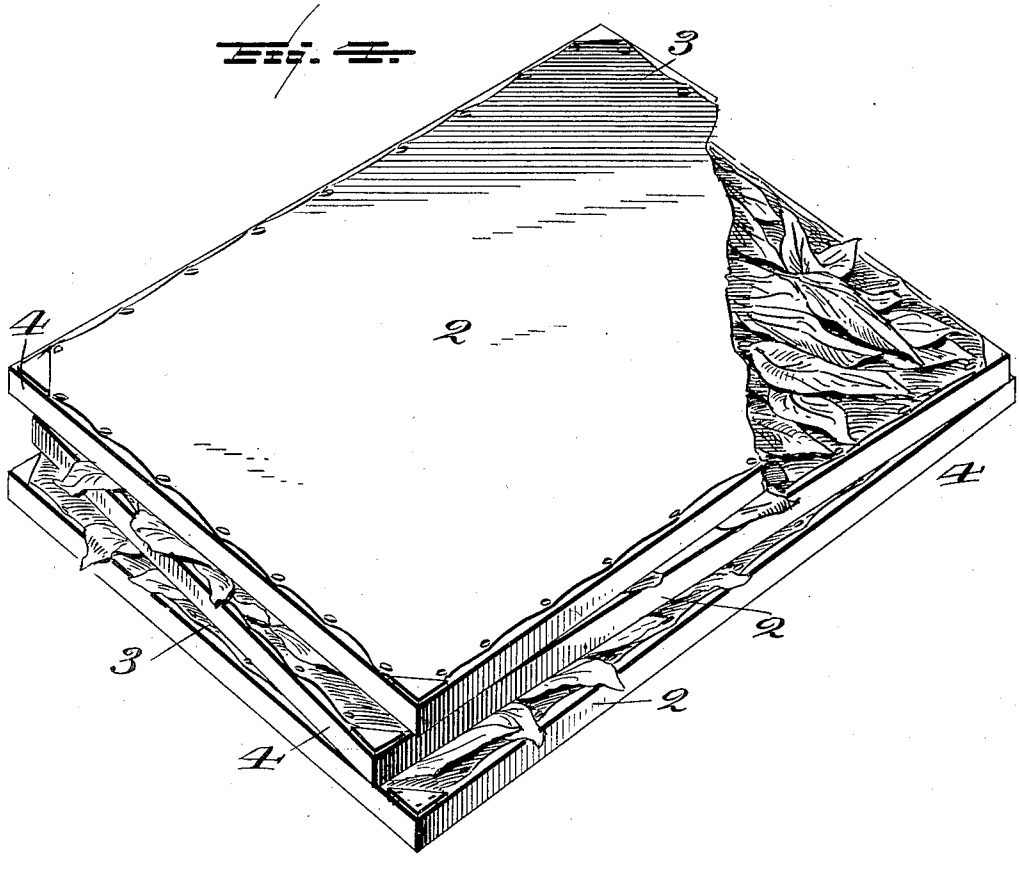


Fig. 4.



Witnesses:
L. C. Hills.
G. F. Downing.

Inventor:
Alphenas V. Hysore,
By A. A. Seymour
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALPHENAS V. HYSORE, OF PHILADELPHIA, PENNSYLVANIA.

MOISTENING APPARATUS FOR TOBACCO.

SPECIFICATION forming part of Letters Patent No. 649,606, dated May 15, 1900.

Application filed August 26, 1899. Serial No. 728,588. (No model.)

To all whom it may concern:

Be it known that I, ALPHENAS V. HYSORE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Moistening Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in apparatus for moistening tobacco.

Heretofore much difficulty and annoyance have been experienced by tobacco-growers to keep the tobacco sufficiently moist in dry weather to permit handling, it being necessary in many instances for the farmers to pack and ship their tobacco only when the weather is damp. On account of this fact it is very desirable that some means be provided whereby the tobacco-grower can moisten his tobacco at any convenient part of the farm and at any season of the year.

It is therefore one object of my invention to provide means for domestic use by farmers for moistening the tobacco sufficiently to render it pliable and safe to handle without curing it and without subjecting it to an amount of moisture which might cause it to mold.

A further object is to moisten tobacco in such manner that the collection of water in drops on the tobacco will be effectually avoided.

A further object is to provide an apparatus for the purpose stated which will be simple in construction, easy and simple to handle, in which the use of heat shall be avoided, and which shall be effectual in all respects in the performance of its functions.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating an embodiment of my invention. Fig. 2 is a sectional view. Fig. 3 is a detail view of one of the blankets. Fig. 4 is a view showing the blankets with the tobacco sandwiched between them.

A represents an upright frame mounted upon a basin B and provided with a number of guides or ways 1 for the reception of removable blankets 2. Each blanket 2 comprises two layers 3 3, preferably of woolen material, secured at their edges to a frame 4 of wood or other suitable material and having disposed between them a layer 5 of sponge or other suitable absorbent material. A perforated pan 6 is secured upon the frame A over the tier of blankets, and water is supplied to this pan from any convenient source. The apparatus is preferably mounted on wheels.

The frame A having been filled with blankets or moisteners 2 and the pan 6 supplied with water, the water will be discharged in small streams through the perforations 7 in said pan and become deposited upon the upper blanket of the tier. After this upper blanket shall have become saturated the water will be discharged upon the next blanket and so on throughout the series of blankets. When the blankets shall have become sufficiently moistened, one of them will be removed from the frame and placed upon a suitable support. Tobacco to be moistened will be placed upon this blanket and then another blanket will be placed upon the tobacco. A tier will be built up in this manner consisting of a number of blankets with the tobacco spread out and sandwiched between them. The moisture held by the wet blankets will be gradually absorbed by the tobacco without possibility of water settling in drops on the latter, and the tobacco will be thoroughly moistened (without the application of heat) and rendered sufficiently pliable to permit handling without danger of being broken or crumbled. The tobacco may be kept sandwiched between the blankets for any desired length of time, and, in fact, it may be shipped in this condition without danger of injury to the tobacco.

The moistening-frame will preferably be provided with a small pump 8 for the purpose of pumping the drip-water from the lower pan or basin B to the upper perforated pan 6.

My improvements are very simple, avoid the use of heat, and the consequent annoyance of a boiler and a furnace, and can be

readily manipulated by persons unfamiliar with tobacco-curing without danger of injuring the tobacco.

Various slight changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its scope, and hence I do not wish to limit myself to the precise details herein set forth.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. Apparatus for moistening tobacco consisting of a series of blankets adapted to have tobacco sandwiched between them and means for moistening said blankets.

2. Apparatus for moistening tobacco consisting of a series of blankets, each comprising a rigid frame two layers of fabric and an interposed layer of absorbent material, said blankets adapted to have tobacco sandwiched between them.

3. In an apparatus for moistening tobacco, the combination with a frame and a series of blankets adapted to be removably placed in said frame, of means for discharging water upon said blankets.

4. In a moistening apparatus, the combination with a frame, of a series of blankets removably supported thereby and a perforated pan over said blankets.

5. In an apparatus for moistening, the combination with a frame, a basin under the frame and a perforated pan upon the frame, of a series of removable blankets mounted in said frame between the basin and pan.

6. In an apparatus for moistening, the combination with a frame having a series of ways, a basin under said frame and a perforated pan upon the frame, of a series of removable blankets supported by the ways of the frame and means for pumping drip from the lower basin to the upper perforated pan.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ALPHENAS V. HYSORE.

Witnesses:
JOHN P. ADAMS,
ALFRED H. DAWSON.