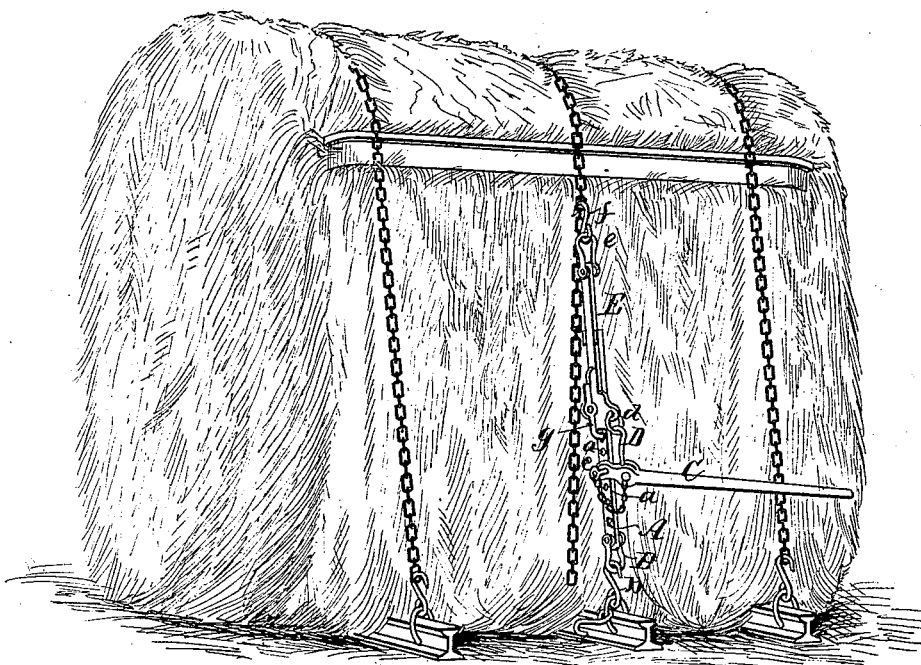


(No Model.)

M. AMOS & J. HUNT.  
METHOD OF STORING ENSILAGE.

No. 346,699.

Patented Aug. 3, 1886.



WITNESSES

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# UNITED STATES PATENT OFFICE.

MARK AMOS AND JAMES HUNT, OF WESTBURY-ON-TRYM, COUNTY OF GLOUCESTER, ENGLAND.

## METHOD OF STORING ENSILAGE.

SPECIFICATION forming part of Letters Patent No. 346,699, dated August 3, 1886.

Application filed April 27, 1886. Serial No. 200,263. (No model.)

*To all whom it may concern:*

Be it known that we, MARK AMOS and JAMES HUNT, of Brentry Farm, Westbury-on-Trym, near Bristol, England, have invented a new Method of Storing Ensilage, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof.

In carrying out our invention we provide a series of bars of wood or iron or chains upon which we stack ensilage in a square stack with straight ends. The stacking may be carried on in any kind of weather, and when completed is topped up in the same manner as an ordinary hay-rick, but with straight ends to the roof. A few poles or bars are laid lengthwise along the roof, and chains attached to the ends of the lower bars or chains, upon which the stack is built, are carried over the stack in position to be attached to a jack secured to the opposite end of one or the other of the bars or rails or chains. During the building up of the stack we shake or dust upon the ensilage, or apply a strong brine for a distance of about one foot from the outer side of the stack, a composition formed of salt, sugar, and fenugreek. We also cover the stack with this composition, and when the stack is finished and the roof completed it may be well raked down, and the pressure applied as required.

The jack employed in tightening the chains consists of the bar A, having series of holes *a* along its length and connected by means of a clevis, B, and hook *b*, with one or the other of the rails or chains at the bottom of the stack. A forked lever, C, embraces the bar A, and is provided with a pin, *c*, which may be inserted in any of the holes *a* in the bar A. The lever C is also provided with a hook, D, for

engaging a ring, *d*, on the bar E, which moves in guides formed on the upper end of the bar A, and is connected with one of the chains extending over the top of the stack by clevis *e* and a hook, *f*. The bar E is provided with a spring-pawl, *g*, which is capable of engaging any one of the holes *a* in the bar A as the bar E is drawn downward by pressure upon the lever C. When the bar E has been drawn down as far as possible in this manner, the pin *e* is withdrawn from the bar A and the lever C turned on its pivot in the hook D, so as to admit of inserting the pin E in a lower hole in the bar A, when the bar E may be again drawn down in the manner already described. The jack may be applied to one chain after another until the desired pressure is secured, and as each chain is tightened its free end is secured to the end of the bars, chains, or rails under the stack by means of hooks attached to the rails or chains.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The method herein described of storing ensilage, which consists in stacking the ensilage and during the process of stacking applying a composition formed of salt, sugar, and fenugreek around the edges of the stack, and finally compressing the stack by any suitable means, substantially as herein described.

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Witnesses:

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