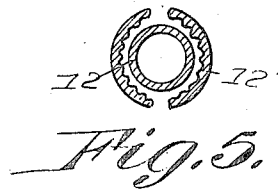
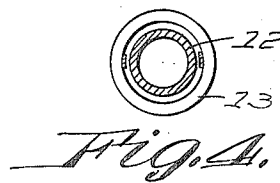
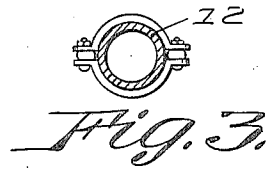
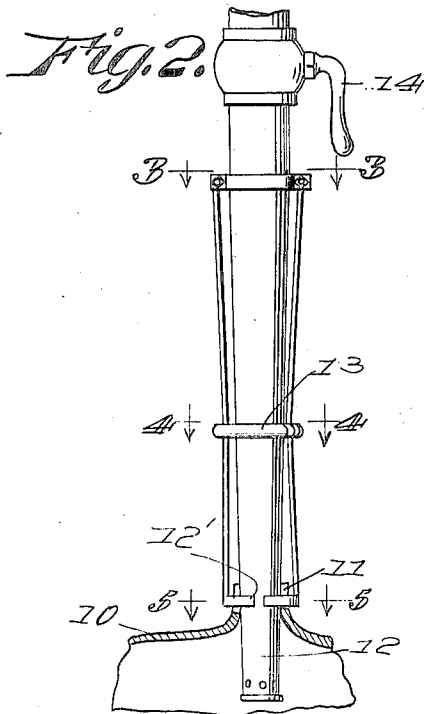
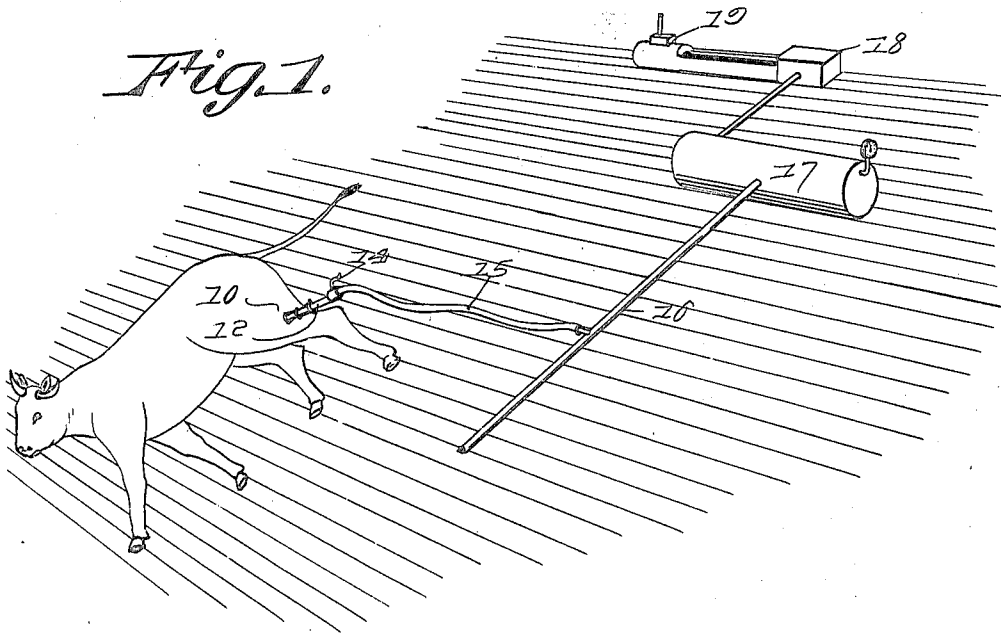


W. S. CALLERY.
 APPARATUS FOR SKINNING CATTLE.
 APPLICATION FILED JUNE 13, 1919.

1,377,872.

Patented May 10, 1921.



Inventor
 William S. Callery,

By

A. Hume Talbot

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM S. CALLERY, OF WHEATLAND, CALIFORNIA.

APPARATUS FOR SKINNING CATTLE.

1,377,872.

Specification of Letters Patent.

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Application filed June 13, 1919. Serial No. 304,092.

To all whom it may concern:

Be it known that I, WILLIAM S. CALLERY, a citizen of the United States of America, residing at Wheatland, in the county of Yuba and State of California, have invented new and useful Improvements in Apparatus for Skinning Cattle, of which the following is a specification.

The object of the invention is to provide a means for removing the hides from cattle and other slaughtered stock without the inconveniences, loss of time and unsanitary conditions which are incident to the ordinary methods involving the intimate handling of the object by the operator, the use of knives or similar instruments and the like, and furthermore to provide for conducting such an operation under conditions permitting of the use of antiseptic or detergent agents as a further precaution and as means of insuring proper and satisfactory preparation of the product.

With this end in view the invention consists essentially in forcibly introducing beneath the previously punctured skin or hide of the animal, a blast or column of fluid, such as air, gas, water or any equivalent thereof containing any suitable or preferred antiseptic if the use of the same should be found desirable, so that the column or blast of fluid comes in contact with the flesh to separate the skin along the lines or in the planes of cleavage between the same and the flesh.

In carrying out this method it is obvious that various mechanisms in the way of apparatus may be employed, but to the end that a full understanding of the invention may be secured a preferred embodiment of the same is illustrated in the accompanying drawings, it being understood, however, that changes therein particularly as to form and proportion may be resorted to without departing from the principles involved.

In the drawing:

Figure 1 represents the apparatus as actually in operation.

Fig. 2 is a detail view of the nozzle showing means whereby connection thereof may be made to facilitate the introduction of the blast or separating fluid.

Figs. 3, 4 and 5 are transverse sectional views respectively on planes indicated by the lines 3—3, 4—4, and 5—5 of Fig. 2.

In carrying out the method which is prescribed that after the animal has been slaughtered and otherwise prepared for the skinning or dehiding operation, a suitable puncture should be provided in the hide 10, as indicated in Fig. 2 at 11, and a nozzle 12 which may be of any suitable material should be inserted and the edges of the hide around the puncture should be secured to the surface of the nozzle, to prevent leakage or exhaust of fluid pressure as by means of a clamp on which the jaws or elements 12' may be effectively held in place by means of an adjustable contact ring 13 or its equivalent. The nozzle is preferably connected with a controlling valve or cut off 14 and is connected by a flexible hose 15 and by a fluid supply pipe 16 in communication with a compressor 17 or the like, for example by pump 18 having an operating engine 19.

Sufficient pressure being supplied, the fluid introduced through the nozzle will find its way between the skin or hide and the flesh of the object to effect the separation thereof without the use of any supplementary implements, and without subjecting the product to the contaminating influence of the hands of the operator or surrounding objects, thus leaving for the operator only the task of finishing the details of the operation and insuring the completion of the same with the minimum expenditure of time and effort and the advantages incident to keeping the pelt side of the hide out of contact with the carcass.

The invention having been described, what is claimed as new and useful is:

In a means for dehiding cattle, a nozzle provided with a manually controlled valve at the end remote from the nose, and a clamp secured to the nozzle and consisting of a pair of semi-circular jaws, swinging arms by which the jaws are carried, and a clamping ring to move the jaws into clamping engagement with the edges of the hide adjacent a puncture formed therein, the ring being movable in the direction of the length of the nozzle, and traversing the arms by which the jaws are carried.

In testimony whereof I affix my signature.

WILLIAM S. CALLERY.