

No. 850,146.

PATENTED APR. 16, 1907.

K. A. ERNST.
PROCESS OF SCUDDING SKINS AND HIDES.
APPLICATION FILED NOV. 13, 1906.

FIG. 1.

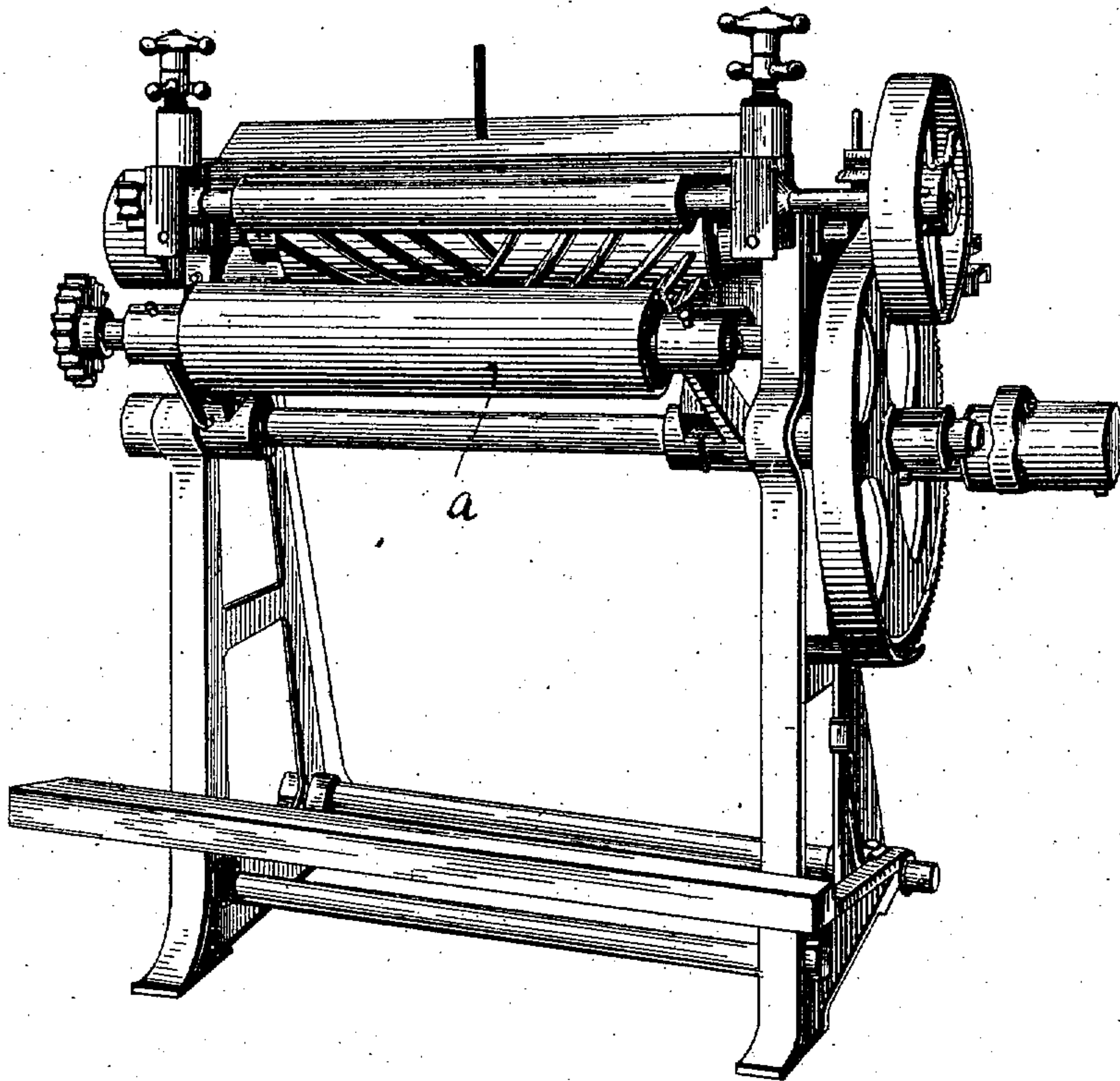


FIG. 2.

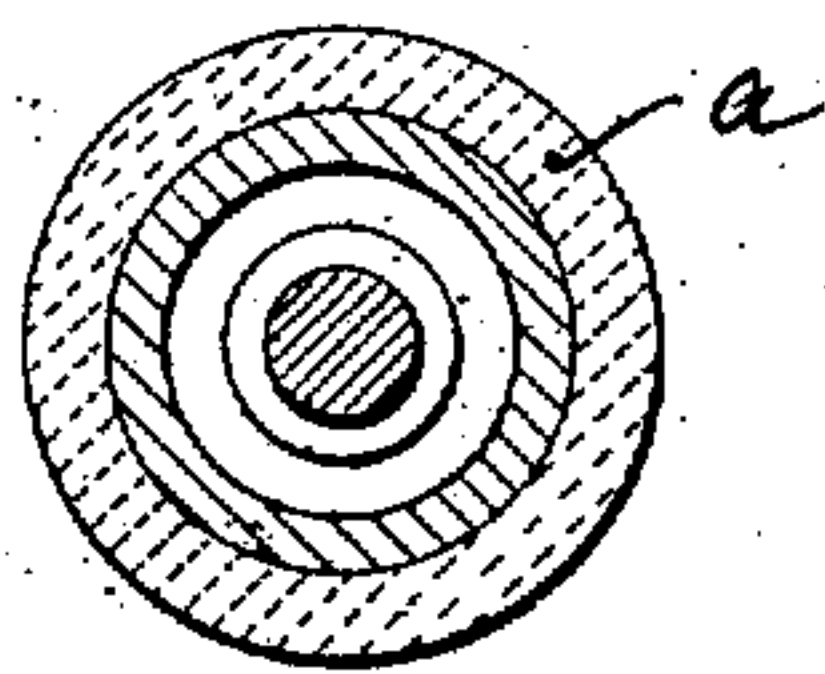
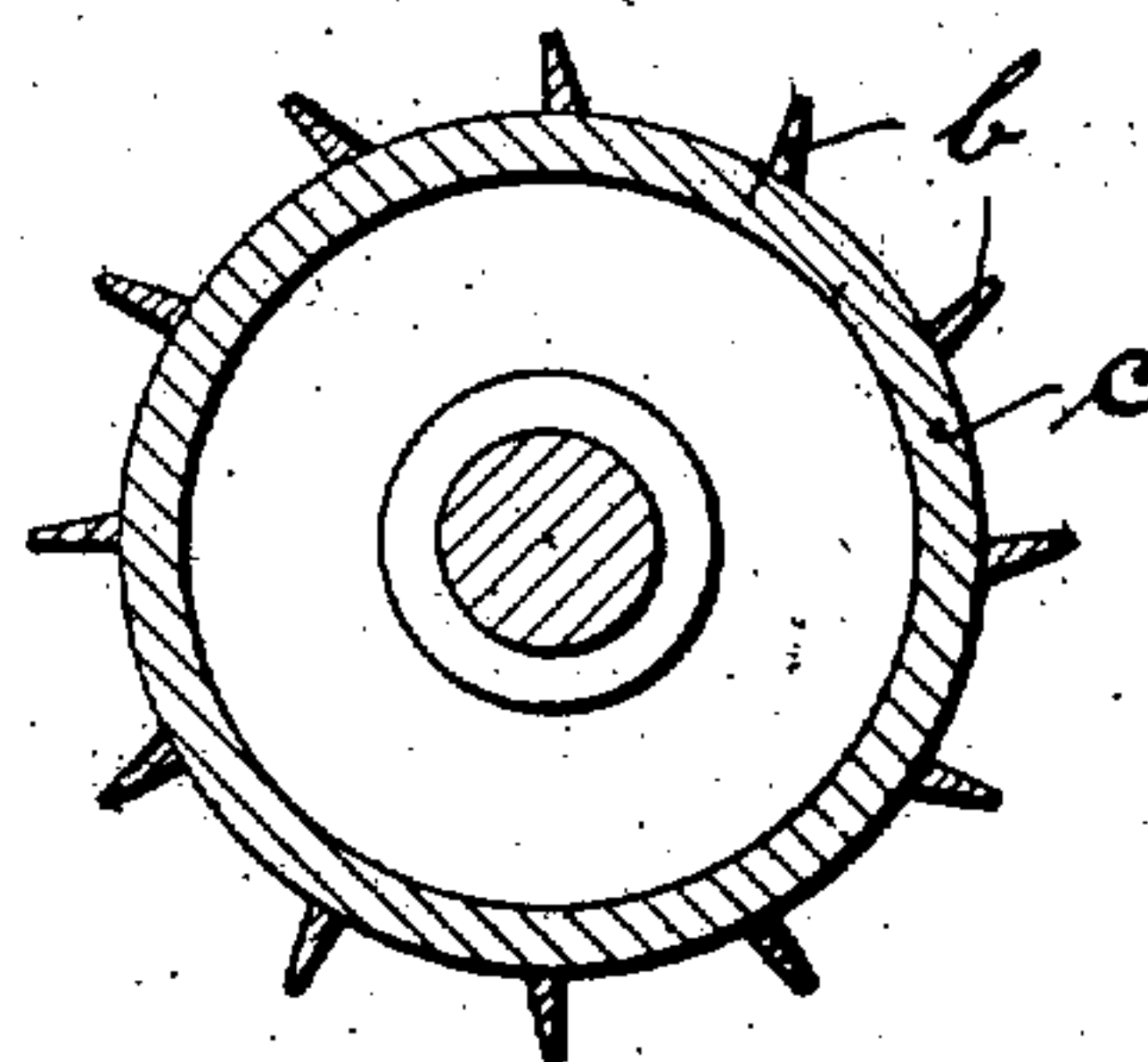


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

KARL AUGUST ERNST, OF JERSEY CITY HEIGHTS, NEW JERSEY, ASSIGNOR
OF ONE-HALF TO FRIEDRICH ERNST, OF JERSEY CITY HEIGHTS, NEW
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PROCESS OF SCUDDING SKINS AND HIDES.

No. 850,146.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed November 13, 1906. Serial No. 343,310.

To all whom it may concern:

Be it known that I, KARL AUGUST ERNST, a subject of the German Emperor, and a resident of Jersey City Heights, county of Hudson, State of New Jersey, have invented certain new and useful Improvements in Scudding Skins and Hides, of which the following is a specification.

The present invention pertains to a method of scudding skins and hides—i. e., removing remaining hairs, dirt, &c., from skins and hides—and to means for executing this method.

Hitherto the scudding of skins and hides has been accomplished by hand-knives and has to take place after the tanning process. Aside from the fact that only a small number of skins can be scudded by one man when the work is done manually, the latter when accomplished is to a great extent imperfect, inasmuch as some stains remain in the skins that cannot be removed by the hand-knives. Particularly with buckskins and deer-skins it is of the greatest importance that the finished goods show no stains.

The objects of my invention are thus, first, to enable the scudding instead of manually by the ordinary rubber-roll fleshing-machine, and, secondly, to previously treat the skins in a proper chemical solution to allow of the removal of any stains therein.

My invention is illustrated in the accompanying drawings, in which similar reference-letters denote corresponding parts, and in which—

Figure 1 is a perspective view of the rubber-roll fleshing-machine. Fig. 2 is a cross-section through the rubber roll, and Fig. 3 a cross-section of the cutting-cylinder.

My first object I accomplish by substituting for the hitherto-used hard-rubber roll of the fleshing-machine a roll *a* of soft rubber, rendering the same elastic, and by blunting the blades *b* of the cutting-cylinder *c* of the machine.

My second object I attain by treating the skins previous to their application to the soft-rubber roll of the fleshing-machine in a drum containing a solution of sesquicarbonate of ammonia, potash, and borax, the proportions for the treatment of a single skin being preferably three grams of each of the above ingredients in one gallon of water. I use herefor a drum that, as with the ordinary tanning process, has a paddle-wheel, whereby the skins and hides are constantly being moved about. The skins are allowed to remain in the drum for about one-half to three-quarters of an hour. After this chemical treatment the skins are stretched upon the soft-rubber roll of the fleshing-machine, which roll is then thrown into contact with the grip-roll and the cutting-cylinder. The latter will then scud the skin, leaving no stain therein.

Contrary to the old method, my method allows of the scudding of the skins and hides before the tanning process.

What I claim, and desire to secure by Letters Patent, is—

1. The herein-described method for scudding hides and skins, consisting in treating the latter in a solution of sesquicarbonate of ammonia, potash and borax and thereupon in a mechanical treatment thereof in an ordinary rubber-roll fleshing-machine.

2. The herein-described method for scudding hides and skins, consisting in the chemical treatment of the latter in a solution of three grams sesquicarbonate of ammonia, three grams potash and three grams borax in one gallon of water, and thereupon in the mechanical treatment thereof in an ordinary rubber-roll fleshing-machine.

Signed at New York this 17th day of October, 1906.

KARL AUGUST ERNST.

Witnesses:

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