

UNITED STATES PATENT OFFICE.

CHRISTIAN WAHL, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN EXTRACTING OIL FROM PIGS' FEET.

Specification forming part of Letters Patent No. **36,184**, dated August 12, 1862.

To all whom it may concern:

Be it known that I, CHRISTIAN WAHL, of Chicago, in the county of Cook and State of Illinois, have invented a new and improved process for treating pigs' feet to extract their contained oil and gelatinous matter; and I do hereby declare that the following is a full and exact description of the same.

The process at present employed for extracting the oil and glue from pigs' feet is to boil or steam them, which process is subject to the objections that the oil as well as the gelatinous matter contained in them (employed in the manufacture of glue) is deteriorated in quality and value.

My invention is intended to obviate and remedy these defects; and it consists in subjecting the feet to an intense pressure in a hydraulic or other powerful press to extract from them all their contained oil, and then to take the product left in the press (the skin, bone, and muscles,) and subject it to the "liming process" ordinarily employed in the manufacture of glue, and well understood by adepts, after which it is subjected to a boiling process for a sufficient length of time to extract from it its contained gelatine for the purpose of making the same into glue by the ordinary and well-known process.

The pigs' feet are first to be placed in proper receptacles in a hydraulic or other powerful

press, (the former preferred,) and are subjected to such a degree of pressure as will press out and abstract from them all the oil contained in them, which oil is of the nature of the marketable article known as "neat's-foot oil." The resultant product left in the press is then treated like any other material from which glue is made in the ordinary and well-known manner. After extracting the gelatinous matter or glue the principal residuum (the bones of the feet) may then be ground into bone-dust for manuring purposes, if required.

The process will be expedited and facilitated by subjecting them (before being submitted to the pressure above described) to a steam or other artificial heat of about 150°, which should be continued for a sufficient length of time—say about thirty minutes—to soften them, so that their contained oil may be more readily extracted by the pressure to which they are to be subjected.

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

The process for treating pigs' feet for the extraction of their contained oil and gelatinous matter, as herein set forth and described.

CHRISTIAN WAHL.

Witnesses:

FRANCIS S. LOW,
WM. A. LIGHTHALL.