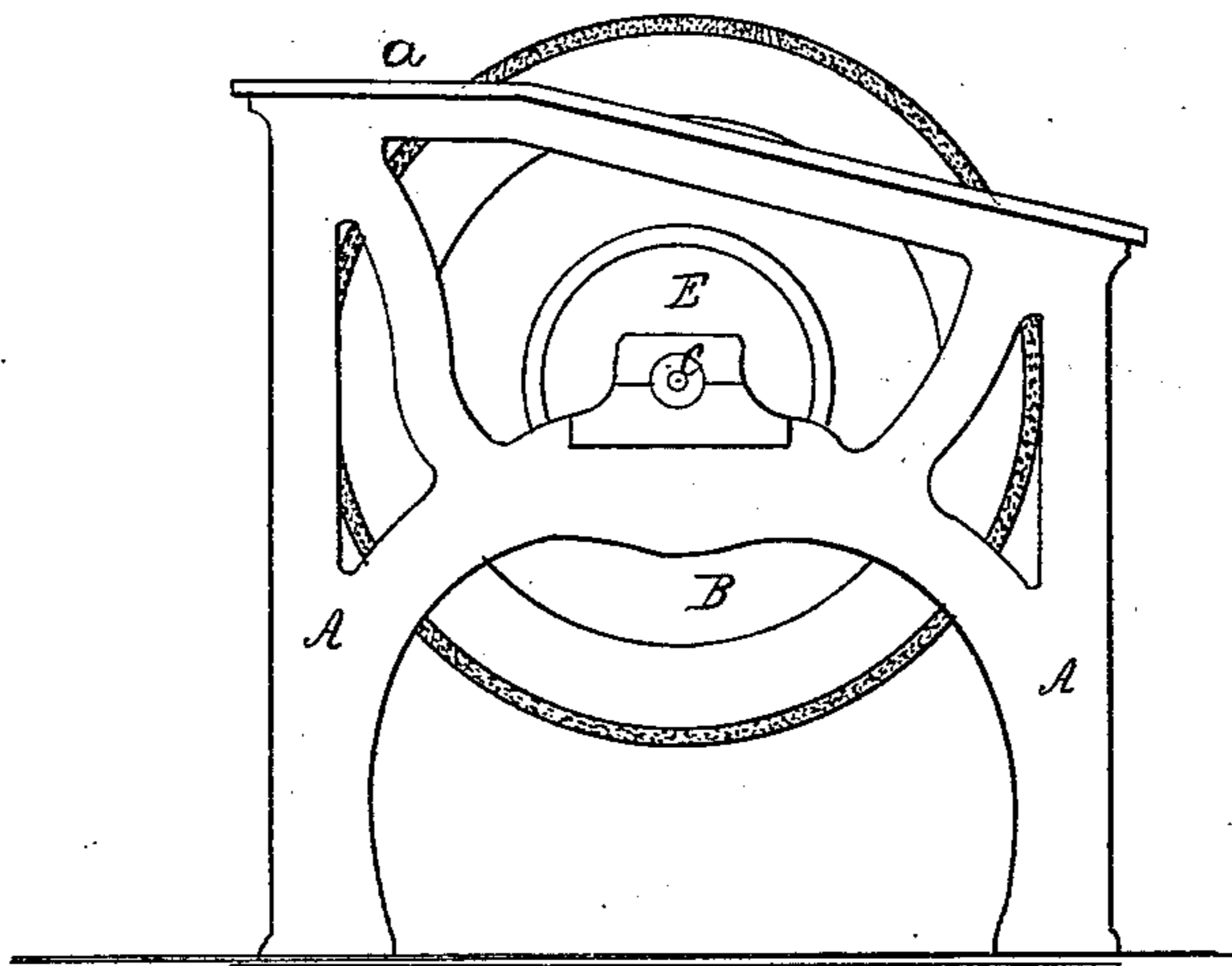


*C. Schmitz,*  
*Dressing Hides.*

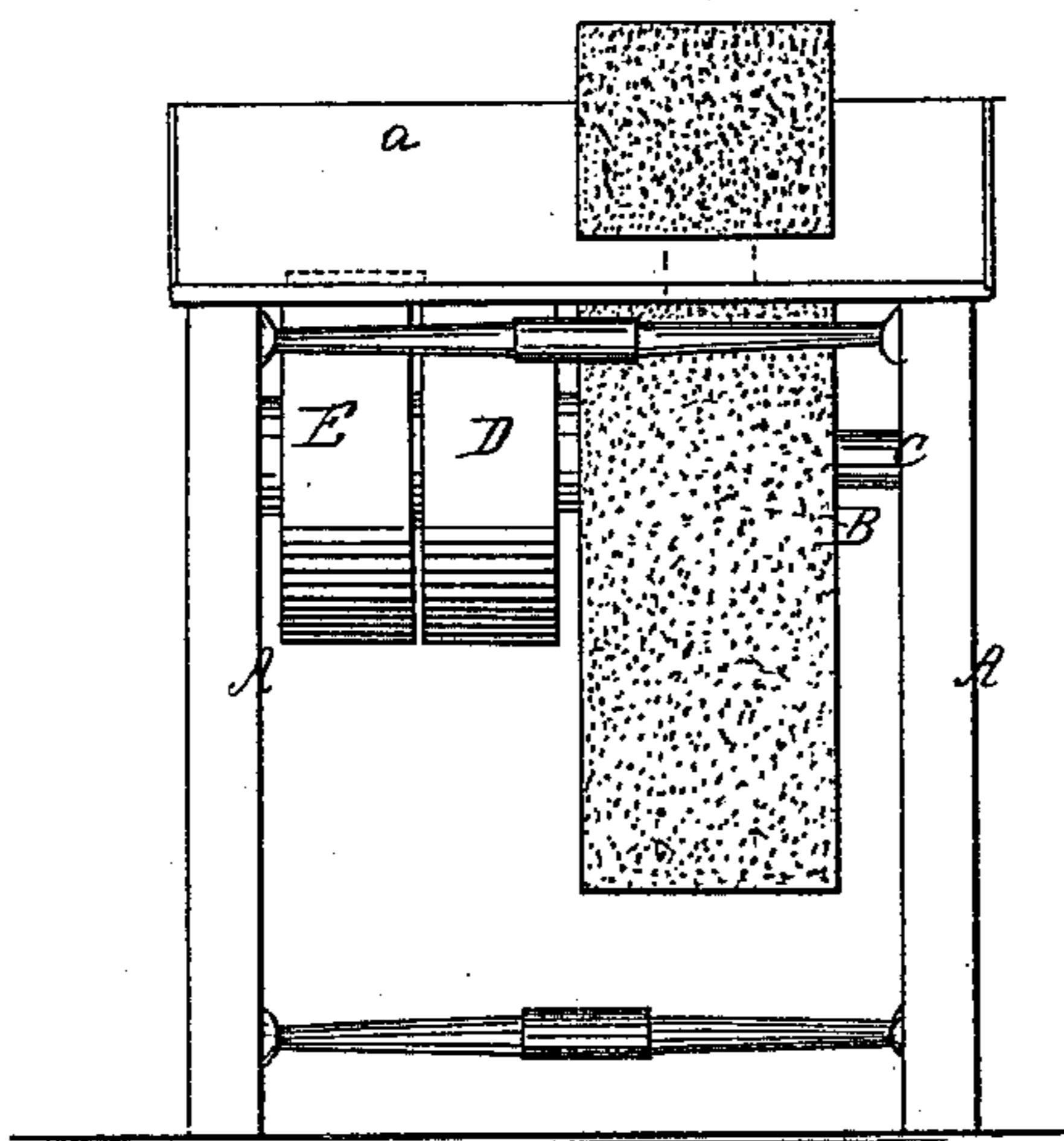
*N<sup>o</sup> 85,030.*

*Patented Dec. 15, 1868.*

*Fig. 1*



*Fig. 2*



*Witnesses*  
*Chas. D. Smith.*  
*A. Smith.*

*Inventor*  
*Christian Schmitz*  
*by [Signature]*



CHRISTIAN SCHMITZ, OF PHILADELPHIA, PENNSYLVANIA.

*Letters Patent No. 85,030, dated December 15, 1868.*

**IMPROVED MODE OF SHAVING AND POLISHING SKINS.**

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, CHRISTIAN SCHMITZ, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Mode of Shaving and Polishing Skins; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and use the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure I is a side view, and

Figure II, an end view of a machine illustrating my invention.

Similar letters of reference denote like parts in the two figures.

Prior to this invention, the work of shaving skins (after they have been dressed in alum) has been done by hand with a knife, an operation demanding skill, involving a great deal of time, and frequently entailing loss of material by the cutting of the skin, or the unequal shaving thereof.

My mode of treatment obviates the above disadvantages.

My invention consists in the employment of a rotating wheel, having a vitreous or grinding-composition applied to its periphery.

This wheel is mounted in a suitable frame, and the skin is held in contact with the periphery while the wheel is in motion.

In the drawings—

A may represent a suitable frame, and

B, a wheel, mounted upon a shaft, C, having its bearings somewhat below the top, *a*, of the frame A.

The wheel B protrudes through a slot in the top, *a*, as represented.

I prefer to make the central portion of the wheel B of metal, and the external or peripheral part of wood, as the latter does not injuriously heat the skins in operation.

Leather or India rubber may be employed as a covering for the periphery of the wheel B, but a wooden surface is preferable.

I apply, to the periphery of the wheel B, a composition of emery, ground glass, and sandstone, which may be made to adhere by glue or other suitable cement.

The wheel B is rotated at the desired velocity by a belt applied to the fast pulley D, said belt being shifted to the loose pulley E when the motion of the wheel B is to be suspended.

As the wheel B rotates, the skin is held in contact with it above the top or table *a*. The grinding-surface of the wheel operates to shave and polish the skin, and produces a much better finish than that which is attained by the old process. A little care will invariably prevent injury to the leather, and experience teaches me that my method of treatment effects a saving of about fifty per cent.

Having thus described my invention,

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

The mode of shaving and polishing skins, by subjecting them to the action of a rotating wheel, having a grinding-composition applied to its periphery, substantially as described.

To the above, I have signed my name, this 10th day of July, 1868.

CHRISTIAN SCHMITZ.

Witnesses:

WM. H. WIEDERSHEIM,

J. W. HAMPTON, Jr.