No Printed Specification Available

2 Sheets—Sheet 1.

46X

S. G. DORR.

CLOTH SHEARING MACHINE.

Patented Oct. 20, 1792.

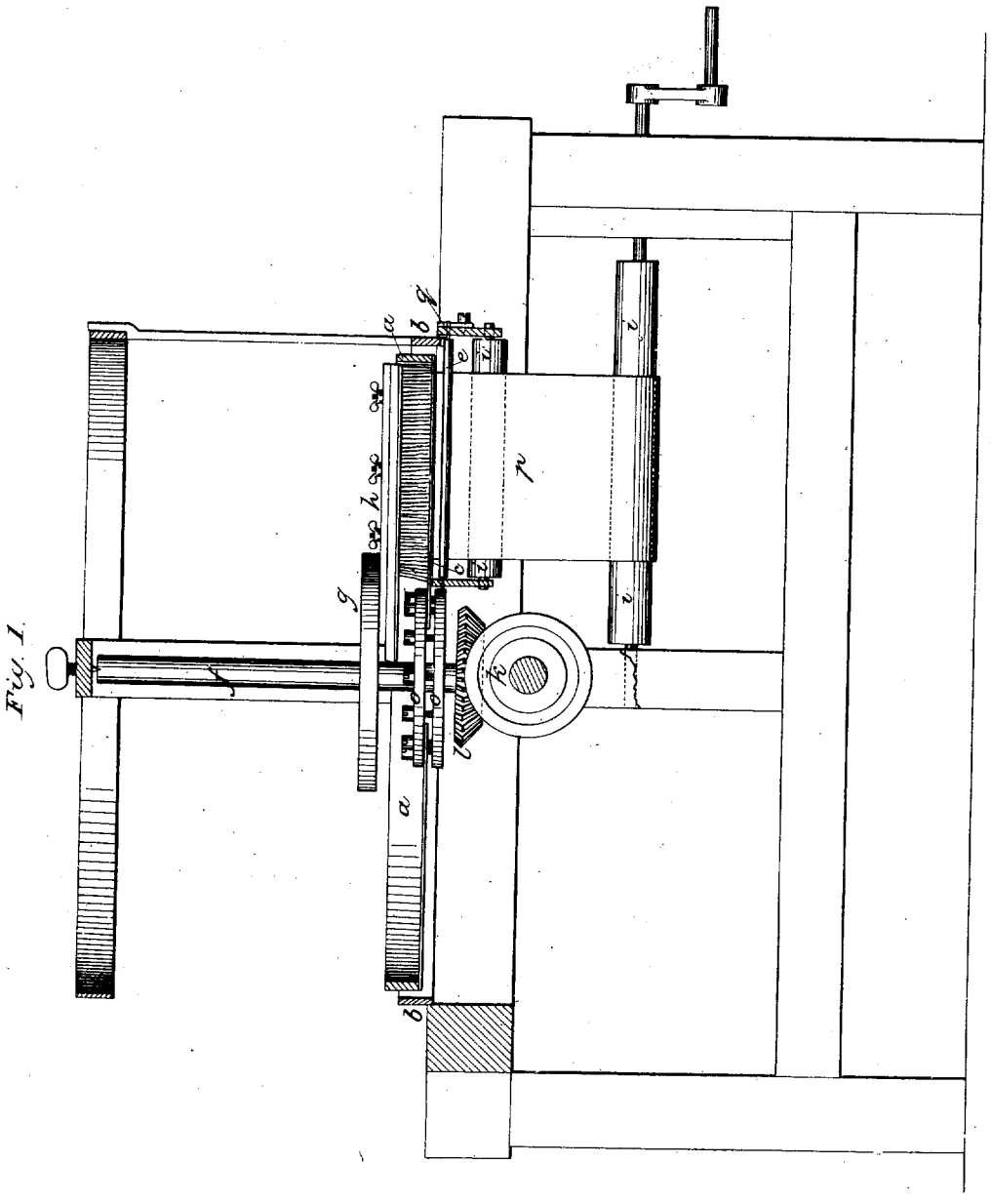


Fig. 1.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

46 X

Sheet 2. 2 Sheets.

S. G. Dorr.

Cloth Shearing Mach.

Patented Oct. 20, 1792.

Fig: 2.

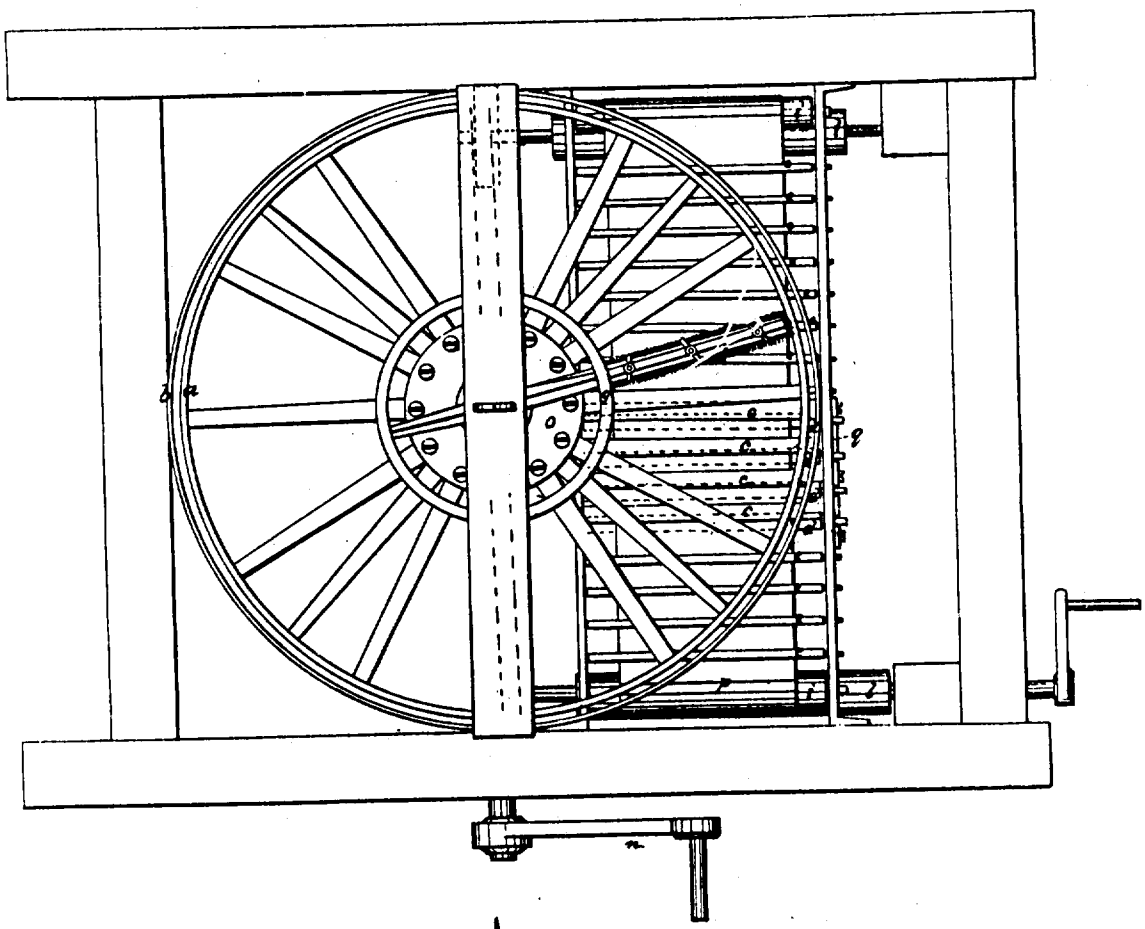
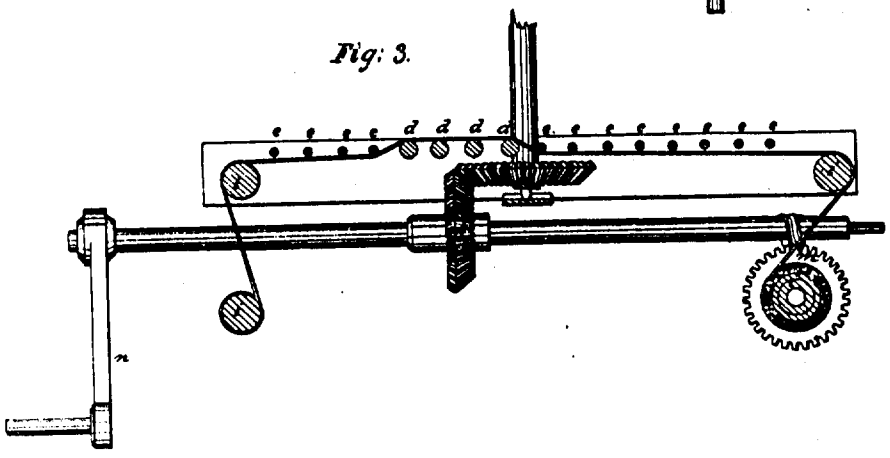


Fig: 3.



Oct 20, 1792

Oct. 20. 1792 # 46X

The United States.

Patent Oct. 20 1792.

To all to whom these presents shall come. Greeting

Whereas Samuel G. Dorr of the City of Albany in the State of New York, hath presented a petition to the Secretary of State, the Secretary of the Department of War, and the Attorney General of the United States, alleging and suggesting that he hath invented a machine denominated "the wheel of knives" for raising and shearing the Nap of cloths, with less labor than is required in the ordinary mode. That is to say a wheel having twelve spring knives regulated by two metal wheels on a metal frame, crossing of three metal spokes placed within a wooden frame, and encompassed by two brass rings having four tangent knives, so as that in its revolution, the edge of each crossing in rotation, operate in the manner of shears. In the said brass rings are also placed four rollers having slides, which bring the cloth up to the said tangent knives, and twelve other rollers to protect the cloth from injury of the wheel of knives. A receiving shaft having a brush thereon is placed at the bottom of the third wheel, shaped on the one side to raise the Nap of the cloth for shearing, and on the other to brush off the shearings, within about two inches of the bottom of the said three spokes, are three projecting pins about three inches in length, on which are placed, two rollers, between these two rollers the cloth passes from a roller placed under them to the wheel of knives. The whole machinery may be put in motion by the hand of one person, a winch, and four cog wheels, and may be worked, either vertically or horizontally

And whereas, the said Invention hath been deemed sufficiently useful and important, Now know ye that in pursuance of the act entitled "an act to promote the progress of useful arts" to grant to the said Samuel G. Dorr, his heirs, administrators or assigns, for the term of fourteen years, the sole and exclusive right and liberty of making, using, and vending to others, to be used, the said invention, so far as the said Samuel G. Dorr can, by the Invention according to the allegations and suggestions

46 X

of the said Petition. In Testimony whereof I have caused these Letters to be made Patent, and the Seal of the United States to be hereunto affixed. Given under my hand at the City of Philadelphia this twenty sixth day of October in the Year of our Lord One thousand seven hundred and ninety two, and of the Independence of the United States of America the seventeenth.

Go: Washington

By the President

Th: Jefferson.

City of Philadelphia 26th October 1792.

I do hereby certify that the foregoing Letters Patent were delivered to me in pursuance of the Act entitled "An Act to promote the progress of ... useful arts" that I have examined the same and find them conformable to the said Act.

Edm: Randolph

Attorney General of the U.S.

(6820 Acres)