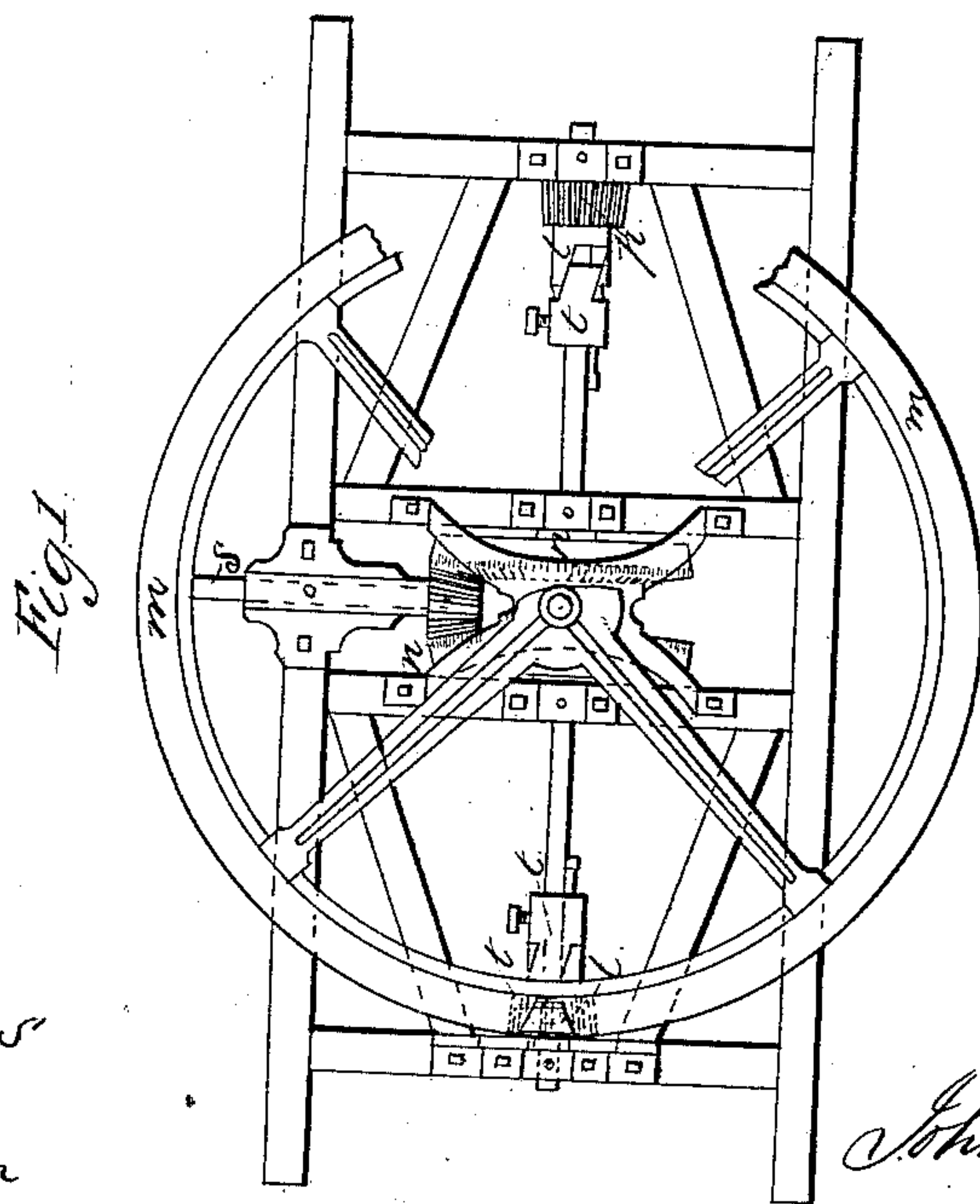
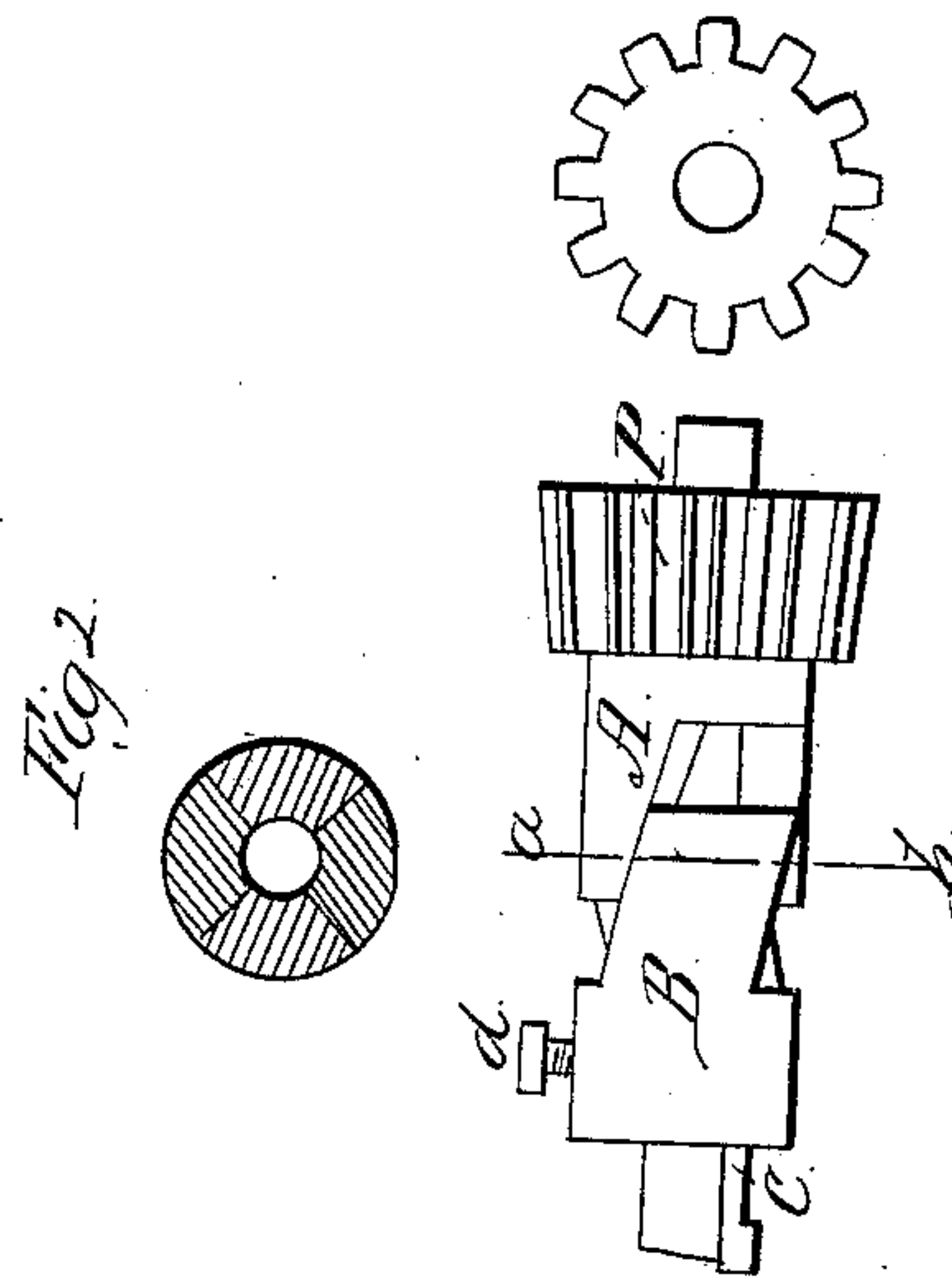


*J. S. Everitt,*

*Clutch.*

*No 78.445.*

*Patented June 2, 1868.*



*Witnesses*  
*Saml P. Gary*  
*L. Q. Harmon*

*Inventor*  
*John S. Everitt*

United States Patent Office.

JOHN S. EVERITT, OF OSHKOSH, WISCONSIN.

*Letters Patent No. 78,445, dated June 2, 1868.*

IMPROVEMENT IN ADJUSTMENT OF GEARING FOR HORSE-POWERS.

*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, JOHN S. EVERITT, of the city of Oshkosh, in the county of Winnebago, and State of Wisconsin, have invented a new and improved Method of Adjusting the Gearing of the "Climax" Horse-Power; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in placing an adjustable clutch upon the shafts carrying the master-pinions of the horse-power, in such a manner that the said pinions can be slightly rotated and adjusted upon their shafts, so that all parts of the gearing will have their proper relative positions, and the strain upon the teeth of all the gears will be equalized.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a top view of the horse-power, in which *m* is the master-wheel, *p p* the master-pinions, *n n* the centre bevel-gears, *o* the centre pinion, *s* the shaft, from which the power is taken off, and *t t* the adjustable clutches, which are the subject of this application.

Figure 2 is a view of the clutch and its appendages on a large scale.

*P* is the pinion, which is in one piece with the part *A* of the clutch, and is loose on the shaft, being held in place by shoulders thereon, and kept from rotating on the shaft by the other part of the clutch, *B*. The part *B* can move endwise on the shaft, but is kept from rotating thereon by the spline *c*, and is secured in place by the set-screw *d*. The faces of the parts *A* and *B*, where they come in contact, are not parallel with the shaft, but are in the form of a spiral inclined plane, so that as the part *B* is moved back and forth, the pinion will be turned one way or the other on the shaft.

When the horse-power is set up, the master-pinions are adjusted by means of the clutches, so that the strain on the teeth of all the gearing will be equalized.

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

The clutch, with inclined faces, for the purpose of adjusting the gearing of the horse-power as set forth.

JOHN S. EVERITT.

Witnesses:

SAML. P. GARY,  
L. D. HARMON.