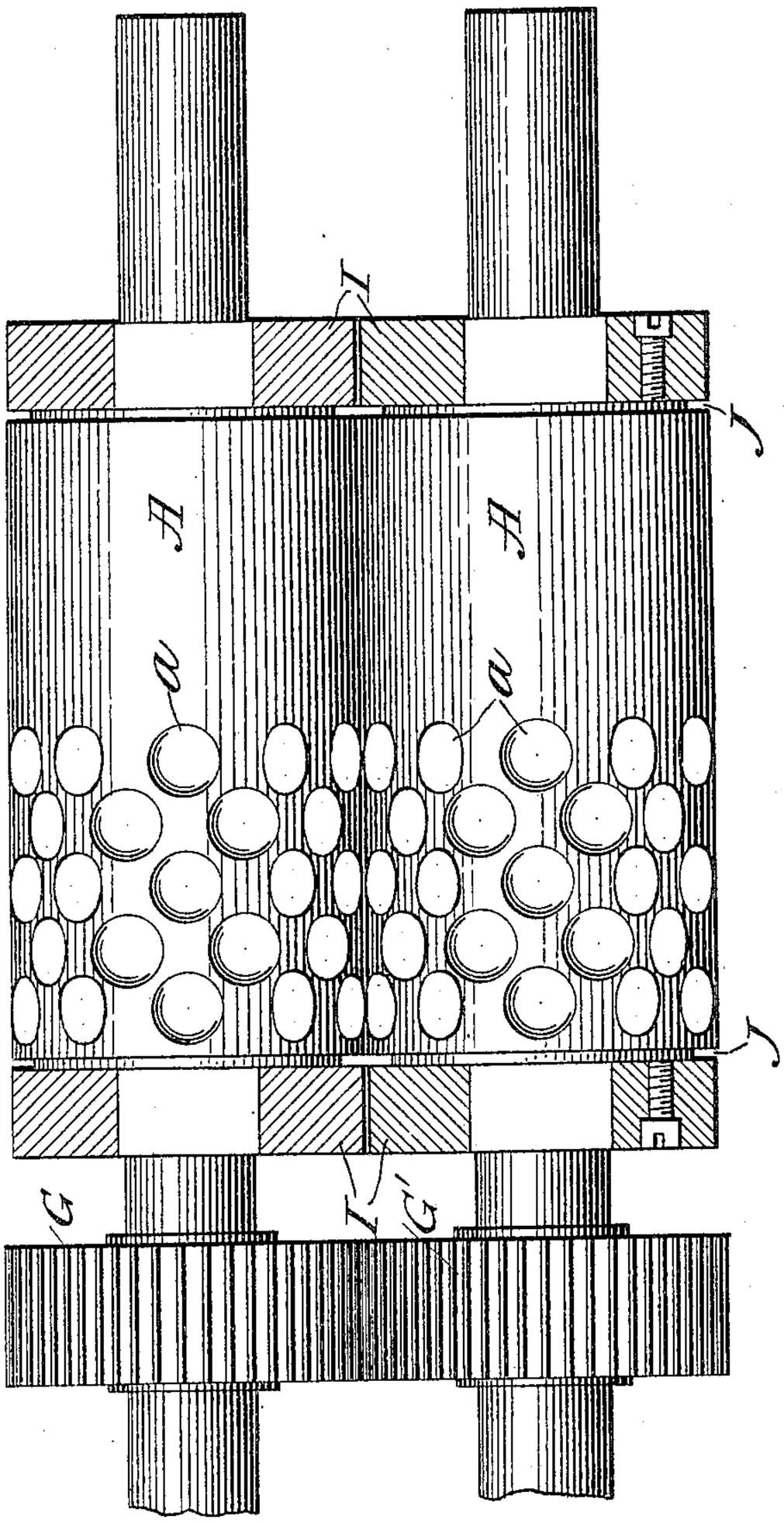
No. 822,536. PATENTED JUNE 5, 1906.

G. M. MILLS.

MOLDING DEVICE.

APPLICATION FILED JUNE 22, 1904. RENEWED DEC. 7, 1905.



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UNITED STATES PATENT OFFICE.

GEORGE M. MILLS, OF JERSEY CITY, NEW JERSEY.

MOLDING DEVICE.

No. 822,536. Specification of Letters Patent. Patented June 5, 1906.

Application filed June 22, 1904. Renewed December 7, 1905. Serial No. 290,756.

To all whom it may concern:

Be it known that I, GEORGE M. MILLS, a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Molding Devices, of which the following is a specification.

My invention relates to an improvement in molding devices—such, for instance, as are employed in molding candies.

The object of my invention is to improve the operation of these devices and to prevent injury thereto by use.

The scope of my invention will be defined in the claim. The drawing illustrates my invention in a form which is now preferred by me.

The drawing is an elevation of my device showing the disks in section.

In producing certain classes of product—as, for instance, candies—it is customary to use two cylinders turning in substantial contact with each other and provided with recesses adapted to register to form therein a single article. It is customary to connect these cylinders by gears, so as to secure proper registration of the parts of the mold which are contained in the respective cylinders. The drawing shows two cylinders A A, having recesses *a* for molding the article and each adapted to register with a complementary recess in the surface of the other cylinder. These cylinders are mounted upon shafts B B′ and are operated by gears G G′, also on said shafts.

In molding devices of this character it is customary to make the body of the cylinder which contains the molds of a soft and easily-worked metal, as brass. In adjusting the rolls into contact it often happens that too great a pressure is brought upon the rolls, either at one or both ends. As a result of this excessive pressure the soft metal is caused to flow and the perfection of the molds is destroyed. To provide against this, I provide the ends of the rolls with disks, as I, of a hard metal, as steel, which will take the pressure and by reason of their superior hardness will not be deformed by the pressure. I also prefer to provide a groove or peripheral recess J at each end of the rolls next to the hard disk, so that if there is any deformation it will be accommodated at this part.

By the means above described I prevent deformation of the molding-rolls. I have referred to my device as being used for molding candy. It is, however, evident that it may be used upon any material capable of being so molded. I do not, therefore, wish to be understood as limiting it to molding candy, but to claim it applied to any use of which it is capable.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a pair of molding-cylinders mounted on rotatable shafts and adapted to turn in substantial peripheral contact, of relatively more durable disks also mounted on said shaft beyond the ends of said cylinders, and adapted to receive the contact-pressure between the cylinders, said cylinders having a recess or peripheral opening between the molding parts and said disks and a pair of intermeshing disks connecting said shafts, substantially as described.

Signed at New York, in the county of New York and State of New York, this 1st day of June, A. D. 1904.

GEORGE M. MILLS.

Witnesses:

CHAS. L. WOLF,

M. BENDER.