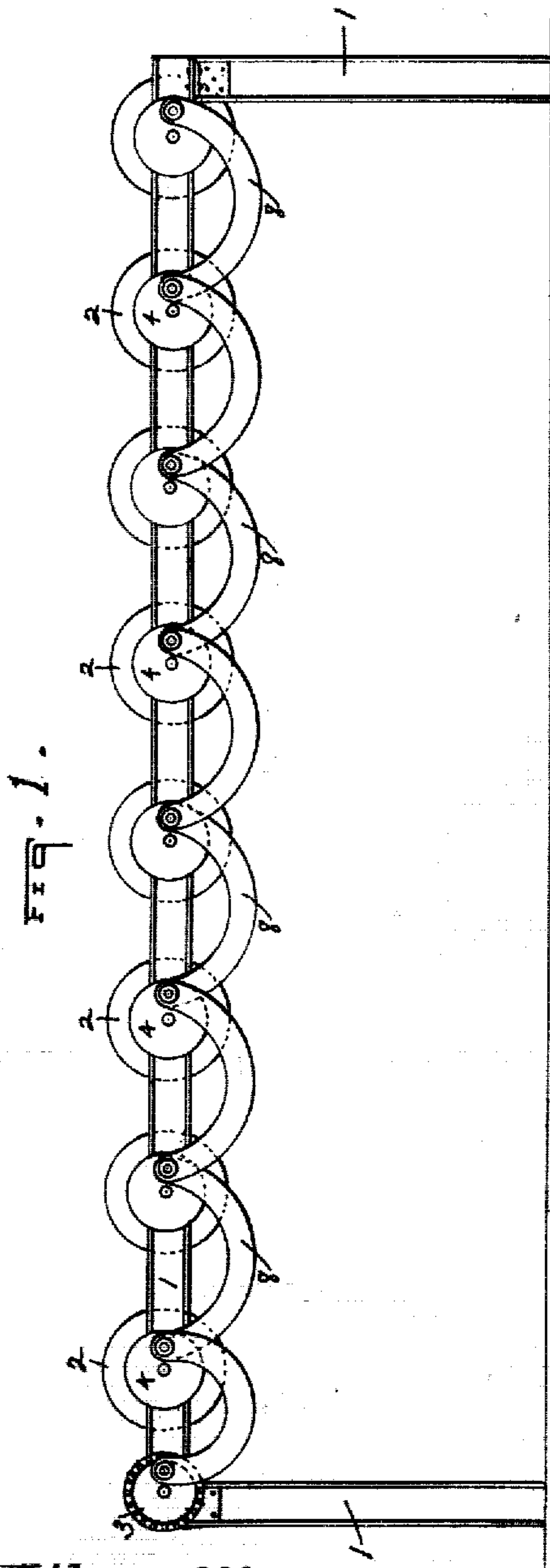


No. 811,820.

PATENTED FEB. 6, 1906.

H. J. BUBENHEIM.  
ROLLER TABLE.

APPLICATION FILED JULY 8, 1904.



Witnesses:  
*J. P. Hoffman,*  
*H. W. Stevenson*

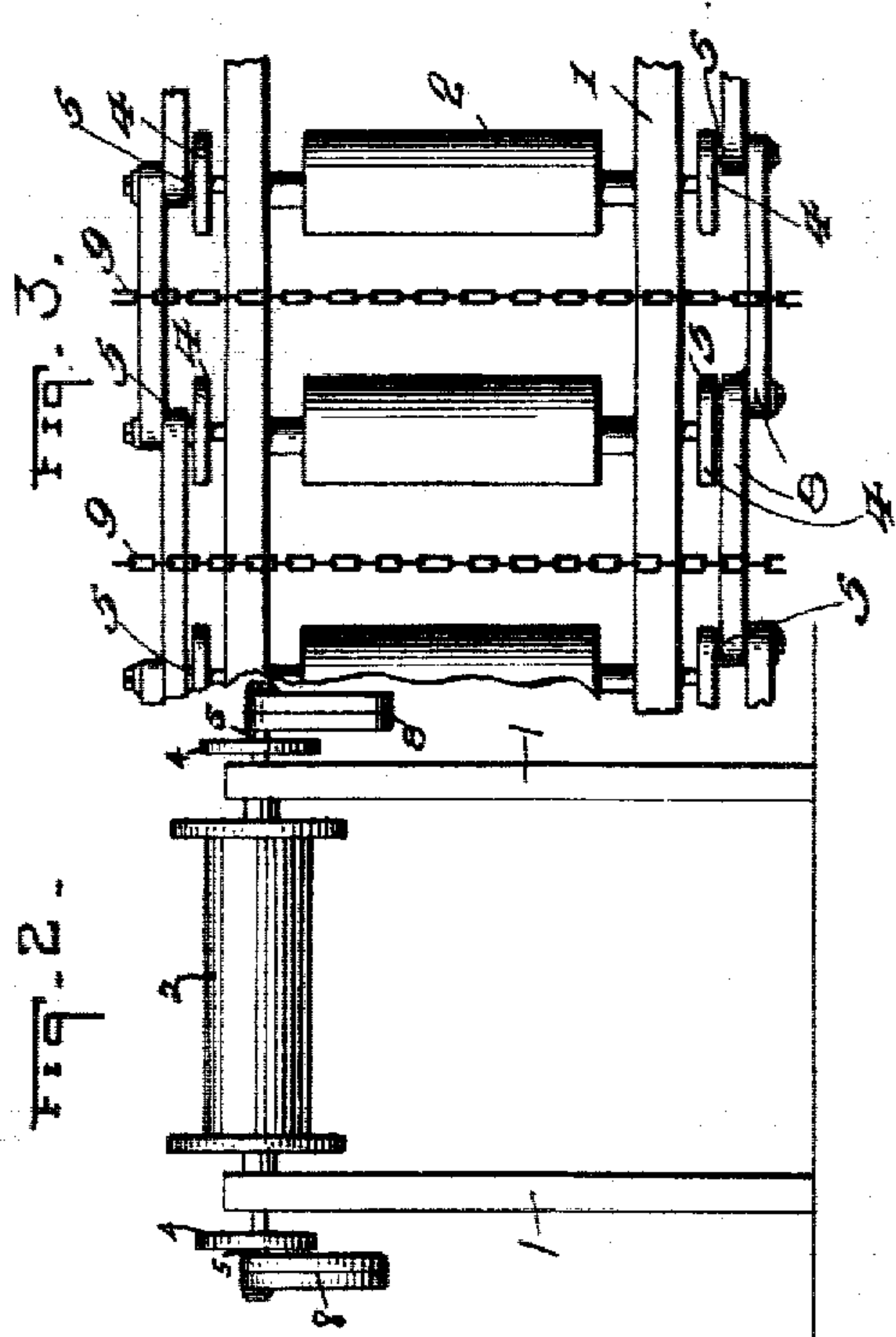


Fig. 3.

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ATTORNEY



# UNITED STATES PATENT OFFICE.

HENRY J. BUBENHEIM, OF PITTSBURG, PENNSYLVANIA.

## ROLLER-TABLE.

No. 811,820.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed July 8, 1904. Serial No. 215,839.

*To all whom it may concern:*

Be it known that I, HENRY J. BUBENHEIM, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Roller-Tables; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to a new, useful, and economical improvement in roller-tables for use in millwork and can be adapted to any variety of table employing a driving means.

The main feature and intention of my invention is to obviate the necessity of employing a revolving shaft and gearing in operating the rolls, and thus effect a material saving in the first cost of construction and the subsequent expense of repair-work necessary in all tables employing gearing as a rotary means, and, further, it also does away with the danger of employees being caught in said gearing, which is often the case.

In the accompanying drawings, forming a part of this specification, I have illustrated my invention by several views, in which—

Figure 1 is a side elevation of a roller-table having as a rotary means a plurality of curved pitmen to be applicable to a side-delivery table, it being understood that the opposite side of the table to that shown in this view is similarly provided with such pitmen, a driving-gear being shown at one end thereof. Fig. 2 is a view of the end roll in the train, showing a gear-driving means attached to the same and having as a reciprocating rotary means the curved sectional pitmen shown in Fig. 1 mounted on both sides of the table. Fig. 3 is a plan view of the portion of the roller-table provided with curved pitmen at each side thereof.

Like numerals of reference designate like parts throughout the several views, in which the numeral 1 represents the supporting-framework of the table, in which is operatively mounted a train of rolls 2, and 3 is a driving means connected at one end of the table to the pitmen operating said rolls. On

the outer ends of the roll-spindle is formed a crank-disk 4, in which is secured a wrist-pin or crank 5, the latter being adjusted on one side of the roll at the zero or half-point in the circle of the outer face of said disk and on the opposite side of the roll at the quarter or three-quarter point in the circle of the outer face of said disk, so that in the operating of said rolls the pitmen will never be on a dead-center.

In the operation of my improved roller-table the train of rolls is connected by form of pitman shown in the drawings and the end roll in the train connected with a gearing or any other suitable driving means. The reciprocating rotary motion transmitted from one pitman to another will operate the rolls with less friction, and therefore a reduced motive power, than is required by similar tables employing a revolving shaft and gearing method. The curved form of pitman is particularly desirable upon conveyers where chains, such as 9, are used in conveying metal from one table to the other, as then said chains may be adjusted as desired without interference with or by the pitmen. Besides, as has already been stated, the danger of loss of life or limb to employees is overcome to a considerable degree by the use of my improvement. Also by equipping a table with my invention the continuous trouble of "backlash" in worn gearing is overcome.

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

In a roller-table, the combination of a series of rolls adapted for coöperation in feeding material across the table and arranged in the same longitudinal plane, of a driving means at one end of the table, a pitman connecting said driving means to the adjacent roll, and pitmen connecting each of the rolls with the next succeeding roll, each of said pitmen being curved downwardly from its end connection with the rolls, whereby to permit side delivery from the table without interference with the pitmen.

In testimony whereof I have affixed my signature in presence of two witnesses.

HENRY J. BUBENHEIM.

Witnesses:

FRED. O. HENZI,  
H. W. STEVENSON.