

(No Model.)

2 Sheets—Sheet 1.

R. HOGG.  
SELF WAITING TABLE.

No. 519,630.

Patented May 8, 1894.

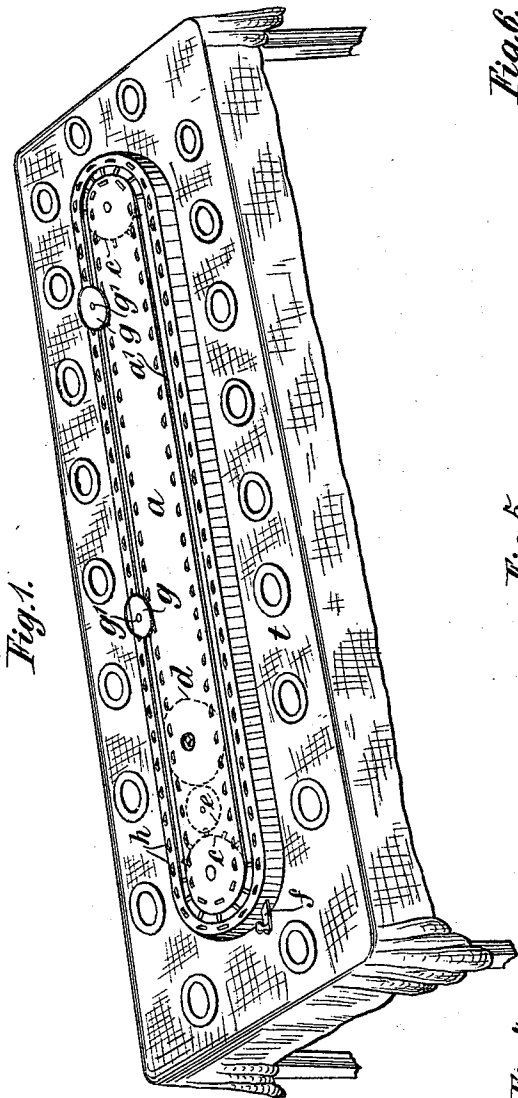


Fig. 1.

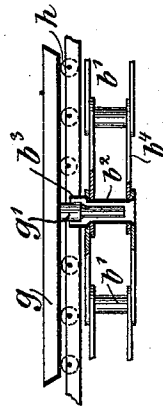


Fig. 6.

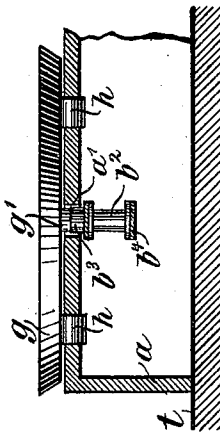


Fig. 5.

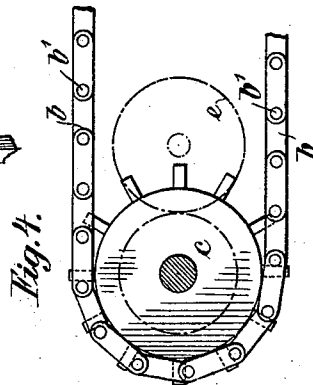


Fig. 4.

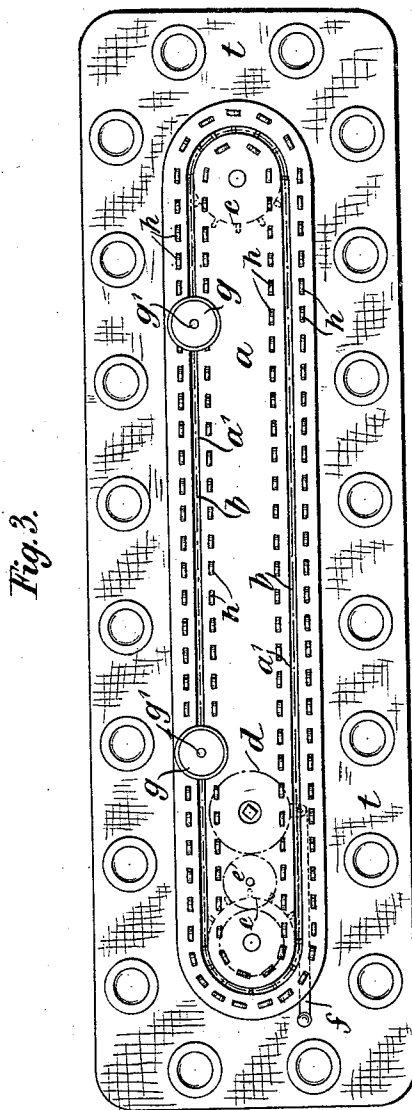
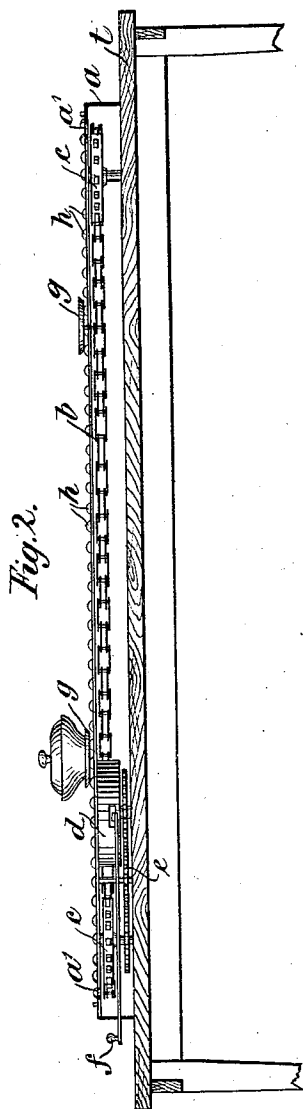
Witnesses:  
J. A. Rutherford  
Robert Connett

Inventor:  
Raphael Hogg.  
By J. M. L. Torrey.  
Attorney.

R. HOGG.  
SELF WAITING TABLE.

No. 519,630.

Patented May 8, 1894.



Witnesses:  
J. A. Rutledge.  
Robert Condit.

Inventor:  
Raphael Hogg  
By James L. Norris.  
Attorney.

# UNITED STATES PATENT OFFICE.

RAPHAEL HOGG, OF NEUSTADT, GERMANY.

## SELF-WAITING TABLE.

SPECIFICATION forming part of Letters Patent No. 519,630, dated May 8, 1894.

Application filed September 15, 1892. Serial No. 445,996. (No model.)

*To all whom it may concern:*

Be it known that I, RAPHAEL HOGG, a subject of the Grand Duke of Baden, and a resident of Neustadt, (Bad. Schwarzwald,) Germany, have invented certain new and useful Improvements in Apparatus for Propelling Dishes for Table Use, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to apparatus for automatically serving viands, beverages and other provisions on tables, counters and the like.

In the accompanying drawings I have shown such apparatus applied to a dinner table. This apparatus obviates the inconveniences which attend the serving of food and the like at table, the disks for the provisions being automatically transported from one place to another on the table.

Figure 1 shows a general perspective view of my improved apparatus. Fig. 2 is a longitudinal section, and Fig. 3 a plan of the same. Figs. 4 to 6 illustrate details of the transporting device employed.

Upon the table *t* is arranged a long box or casing *a* which is either adapted to be removed or formed in one piece with the table. In this box or casing *a* I provide an endless chain *b* which passes round horizontal chain pulleys *c* and is stretched tight. In the arrangement represented are only two chain pulleys, but any desired number may be employed, for instance, four, so that the chain moves in a quadrangle. The mode of guiding the chain depends on the width and shape of the table. This chain serves for transporting the disks containing the food or the like. For this purpose it is set in motion by a clockwork, which may be arranged in the box *d*, and by suitable gear wheels *e* or by any other desired means, for instance by a small water motor or electric motor. In the drawings is shown an actuating lever *f* whereby the clockwork can be optionally stopped and set in motion again. As the construction of the clockwork is immaterial, it need not be described in detail.

The chain *b* consists of links *b*<sup>4</sup> connected in a well known manner by bolts *b*<sup>1</sup>. In the box or casing *a* is formed, exactly above the said chain, a slot *a*<sup>1</sup>, parallel to which I provide on either side a series of rollers *h*. These rollers, as shown in Figs. 5 and 6, support the

trays *g* which are preferably made of metal and adapted to be transported on the roller path. For this purpose some or all of the bolts of the chain *b* consist of sleeves *b*<sup>2</sup> as shown in Fig. 6. Into these sleeves are inserted the bolts *g*<sup>1</sup> provided on the under side of the trays *g* to connect the latter with the chain which is designed to carry them away. It is expedient to prolong the sleeves *b*<sup>2</sup> upward to such an extent that their part *b*<sup>3</sup> will slide in the slit *a*<sup>1</sup> for the purpose of enabling them to be more easily found and not missed when inserting the bolt *g*<sup>1</sup>. On the trays *g*, which move with great facility upon the roller path are placed the disks to be served.

By providing the endless chain *b* with vertical sleeves *b*<sup>2</sup> which connect some or all of the links of the chain, the trays *g* are supported and carried without lateral strain on the chain, while the provision of the box *a* enables the invention to be applied to any ordinary table.

Having thus described my invention, what I claim is—

1. The combination with a table *t*, of an oblong box or casing *a* surmounting and fixed to the table and provided with a slot *a*<sup>1</sup>, an endless chain *b* traveling in juxtaposition to the slot and having vertical sleeves *b*<sup>2</sup> which connect the links of the chain, the pulley *c* supported by the box or casing and engaging the chain, and rotary trays *g* having pendent bolts *g*<sup>1</sup> journaled in the sleeves of the endless chain, substantially as described.

2. The combination with a table *t*, of an oblong box or casing *a* surmounting the table and having its top portion provided with two sets of rollers *h* and a slot *a*<sup>1</sup>, an endless chain *b* traveling in juxtaposition to the slot and having vertical sleeves *b*<sup>2</sup>, the pulleys *c* supported by the box or casing and engaging the endless chain, and rotary trays *g* resting on the said rollers and provided with vertical bolts *g*<sup>1</sup> extending through the slot in the box or casing and removably journaled in the sleeves of the chain, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of the subscribing witnesses.

RAPHAEL HOGG.

Witnesses:

I. LEMAN,  
A. SIEBER.