

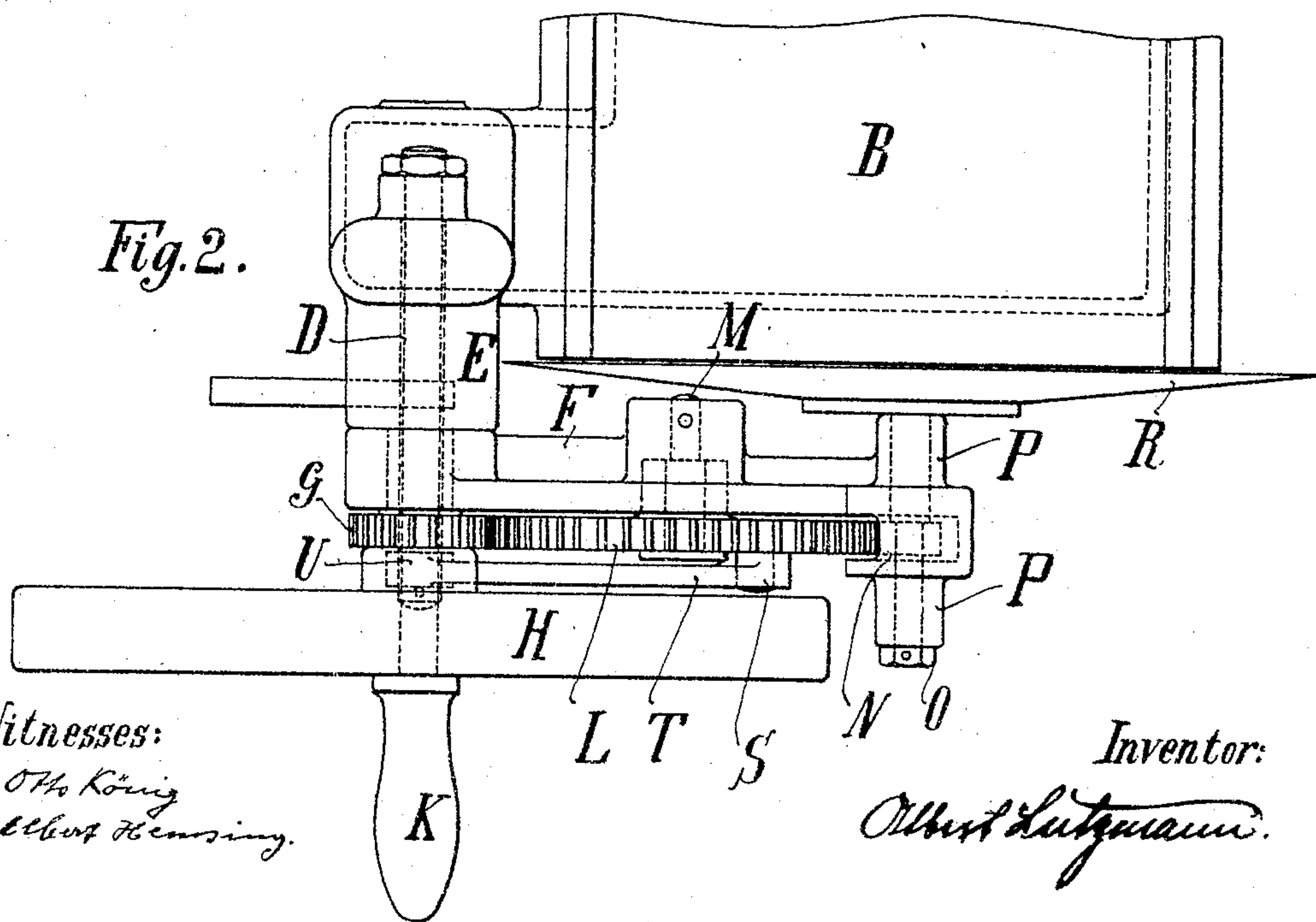
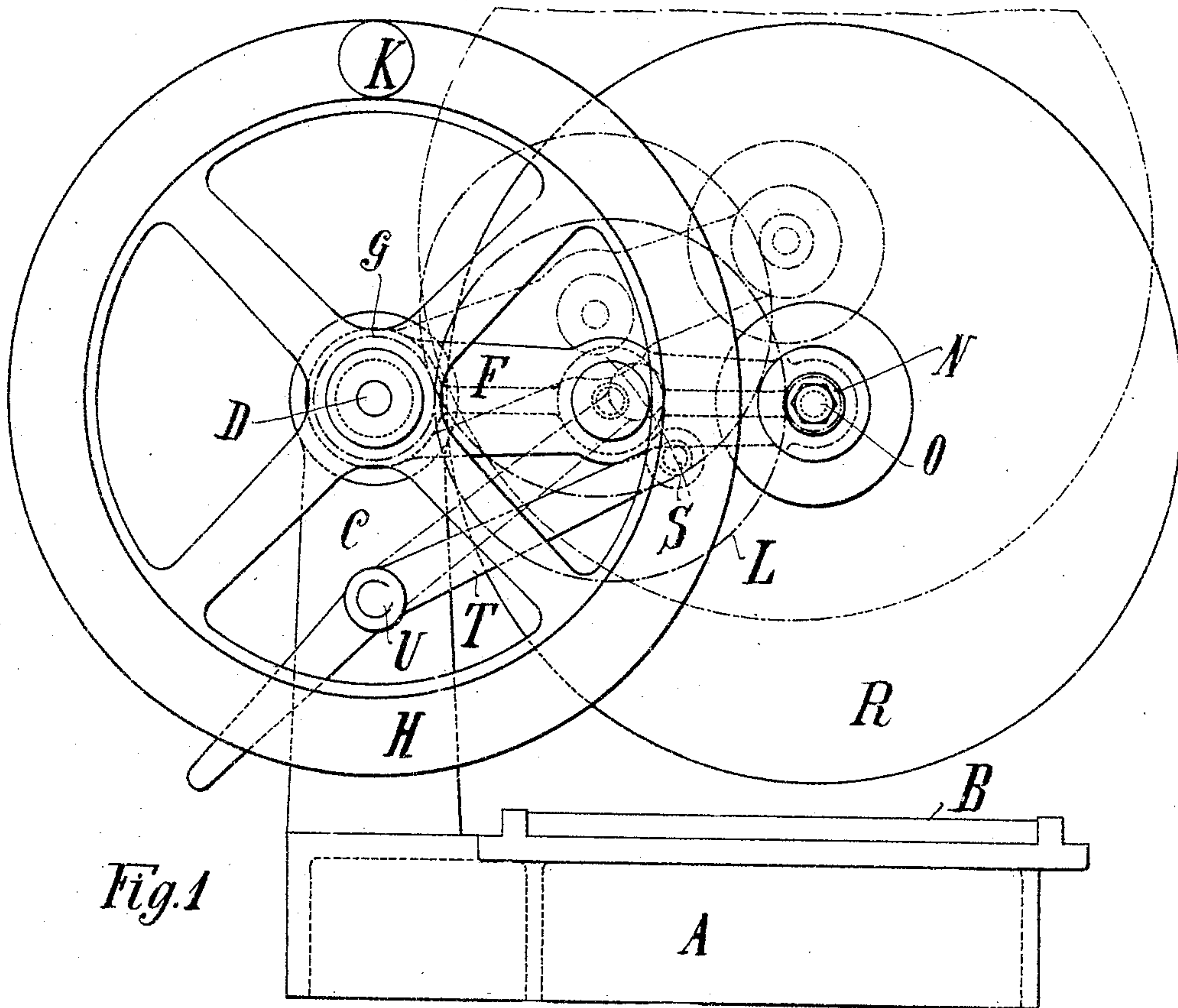
No. 785,745.

PATENTED MAR. 28, 1905.

A. LUTZMANN.

MACHINE FOR SLICING MEAT, HAM, SAUSAGE, OR THE LIKE.

APPLICATION FILED JAN. 5, 1905.



*Witnesses:*

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# UNITED STATES PATENT OFFICE.

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TO THE FIRM OF VEREINIGTE FLANSCHENFABRIKEN & STANZWERKE  
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## MACHINE FOR SLICING MEAT, HAM, SAUSAGE, OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 785,745, dated March 28, 1905.

Application filed January 5, 1905. Serial No. 239,700.

*To all whom it may concern:*

Be it known that I, ALBERT LUTZMANN, a citizen of the German Empire, residing at Winz, near Hattingen, in the Province of Westphalia and Kingdom of Prussia, Germany, have invented certain new and useful Improvements in Machines for Slicing Meat, Ham, Sausages, or the Like, of which the following is a specification.

This invention relates to improvements in meat-slicing machines and the like with a rotary circular knife. From known machines of this class the present invention is distinguished by the manner of arranging and working the knife, as will be hereinafter explained more fully by means of the annexed drawings, in which—

Figure 1 shows that part only of the machine, in front view, which will be necessary for the understanding of the present improvement, while Fig. 2 shows the same in plan.

By A is indicated the bed or frame of the machine, on which the table B, carrying the material to be cut in slices, can be pushed toward the knife or away from it by any suitable gear, (not shown in the drawings,) so that when the material is brought under the knife this will cut off a slice of the same. This is done by giving the knife a rotary motion and an up-and-down motion at the same time in the following manner: On the left side in the figures shown on the drawings a pedestal C rises from the frame A, which carries at its top a shaft D in a boss E. Outside of this boss an arm F is held movably on the shaft D, and in front of F a pinion G is keyed to it, and in front of this, again, there is fixed to the shaft a fly-wheel H with a handle K or a crank instead of the same. The pinion G meshes with a wheel L, held loosely on the pin M in the arm F. The wheel L meshes on the other side with a pinion N, keyed to a spindle O, carried in the double hub P at the outer end of lever F. At the inner end of the

spindle O is fixed the circular convex knife R. The intermediate wheel L is provided at its outer face with a crank-pin S, to which is connected a lever T, which has its fulcrum on a bolt U, fixed to the pedestal C.

From the machine described so far its working will be understood as follows: When the fly-wheel or crank-wheel H K is rotated, the wheels G, L, and N will also be set in rotation, and thus also the circular knife R, sitting on the same spindle O with the pinion N. The crank-pin S on the face of the wheel L will take round the respective end of the arm T, and because the other end of the latter is linked to the fixed pin U on the pedestal C the arm T is raised, and it thereby raises the wheel L and by this also the arm F, which carries at its outer end the knife R, and it will thus be seen that with the rotation of the wheel L the arm F makes a rocking movement up and down round the axle D, and with it the knife R rises and descends once with each revolution of the wheel L, so that while it is in its highest position the material on the table B can be pushed forward to the amount of the thickness of the slice to be cut.

I am aware that meat-slicing machines with reciprocating knives have been used before my invention, and I therefore do not claim, broadly, such a machine; but

What I do claim as new, and desire to secure by Letters Patent, is—

In a machine for cutting meat, sausages, ham and like materials in slices a frame A, a movable table B on said frame, a pedestal C fixed on one side of the frame A, a boss E on the top of said pedestal, a shaft D carried in said boss a crank-wheel H K or its equivalent fixed at the outer end of shaft D, in combination with an arm F held movably outside the boss E on shaft D, a pinion G keyed to said shaft, a pin M fixed to said arm F and carrying a wheel L meshing with the pinion G, a spindle O carried at the outer end of said arm F in bosses P, P, a pinion N on said spin-

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dle between the two bosses P, a circular knife  
fixed to the inner end of the spindle O, a  
crank-pin S on the face of wheel L, a fast pin  
U fixed to the pedestal C and a connecting-  
5 rod T connecting the pin S on wheel L to the  
pin U, the whole as described and illustrated  
and for the purpose set forth.

In testimony whereof I have affixed my sig-  
nature in presence of two witnesses.

ALBERT LUTZMANN. [L. s.]

Witnesses:

OTTO KÖNIG,  
ALBERT HEMSING.