B. VON BÜLTZINGSLÖWEN.

CUTTER.

APPLICATION FILED APR. 22, 1915.

1,152,577.

Patented Sept. 7, 1915.

4 SHEETS—SHEET 1.

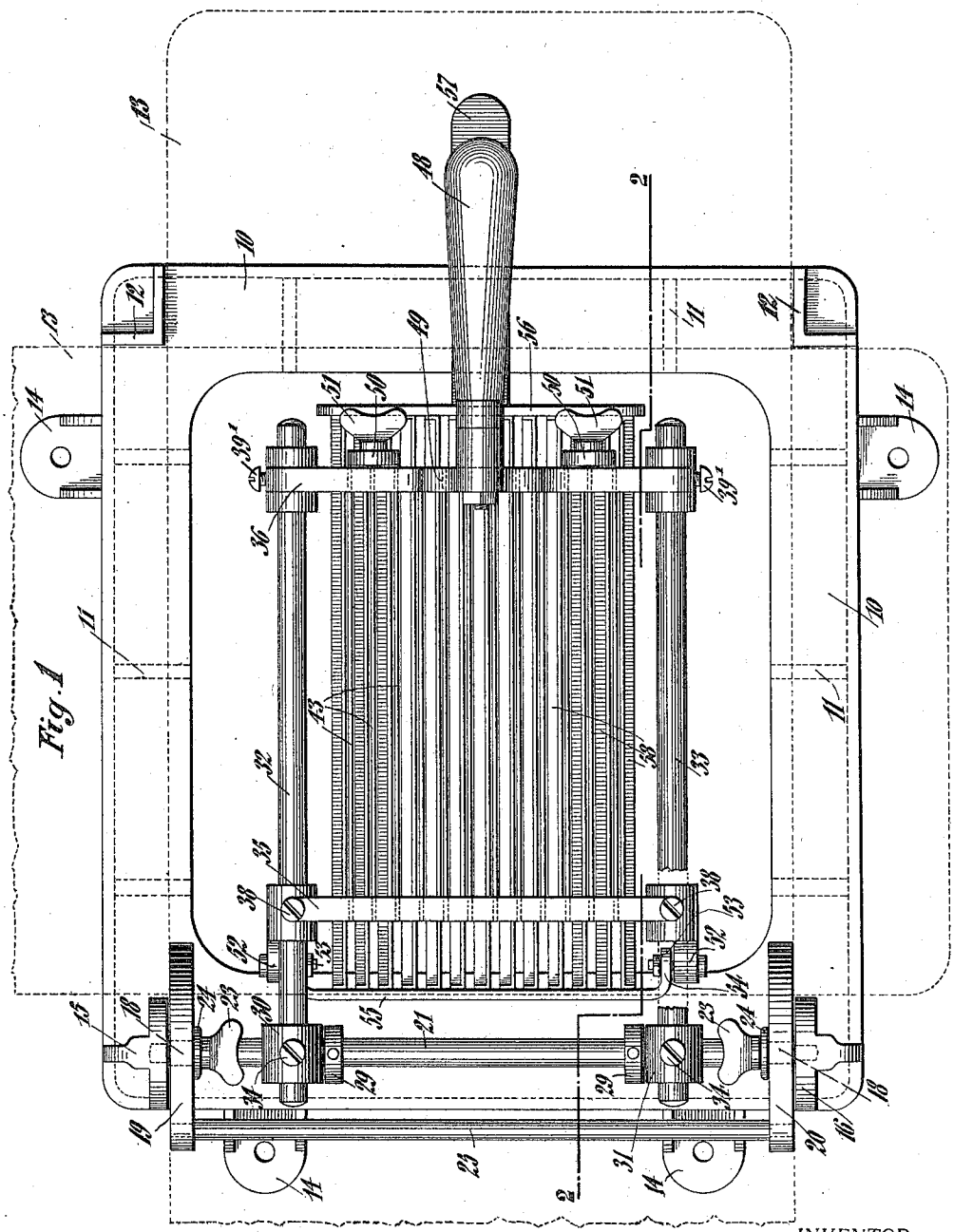


Fig. 1

WITNESSES:

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Louis Mattern.

INVENTOR.

Bruno von Bültzingslöwen

BY C. P. Gochel

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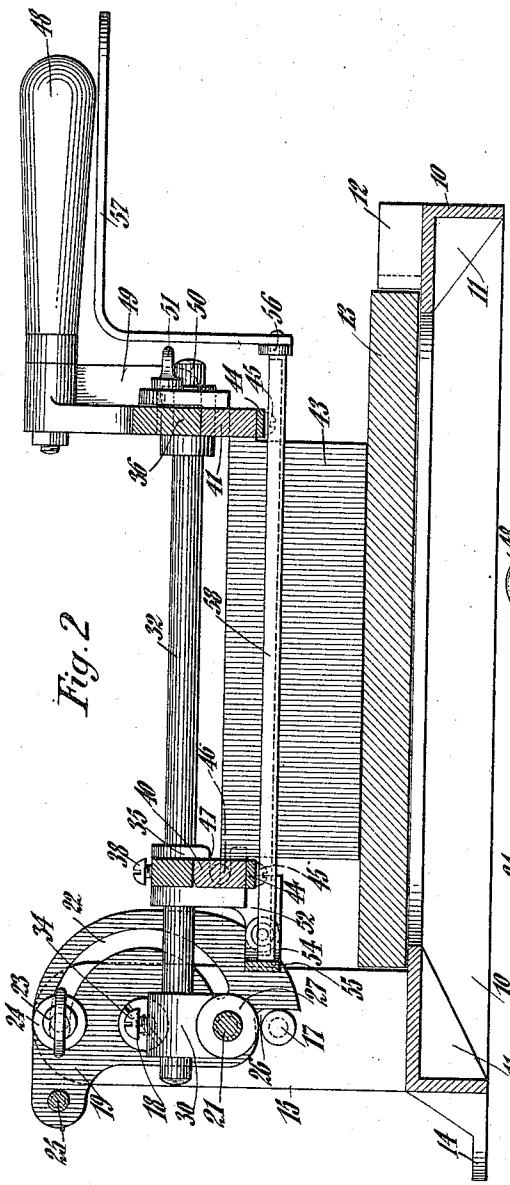


Fig. 2

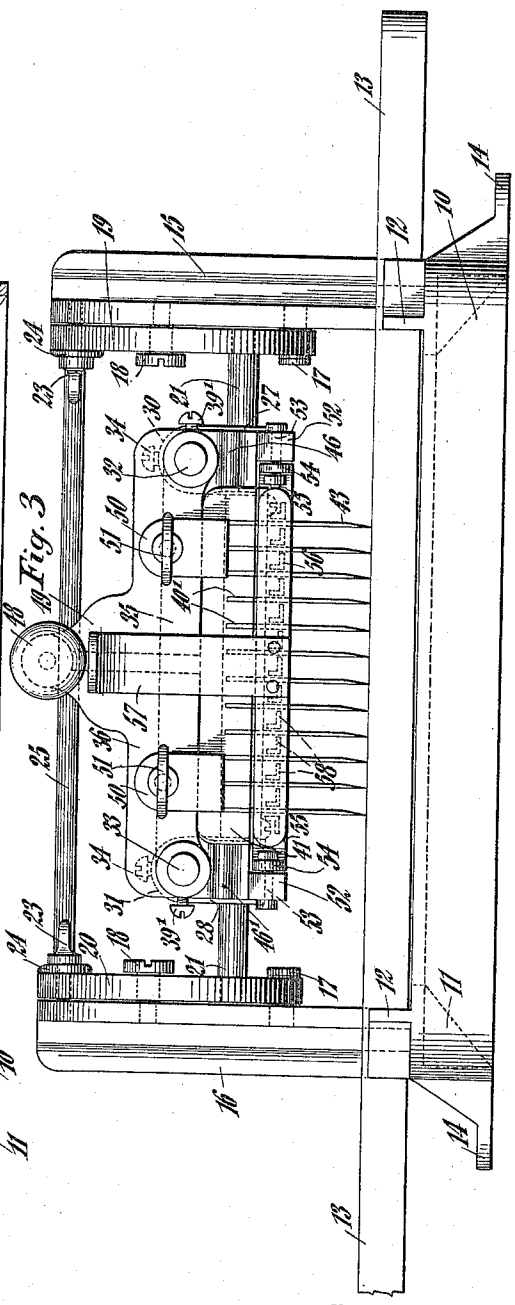


Fig. 3

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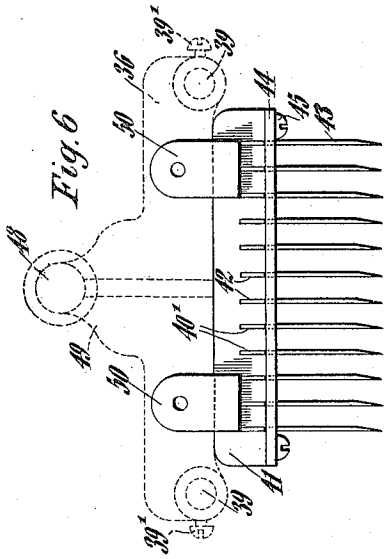


Fig. 6

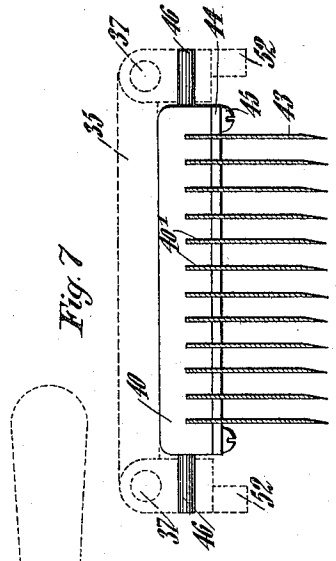


Fig. 7

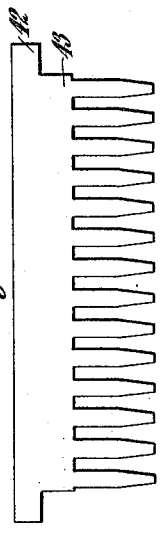


Fig. 9

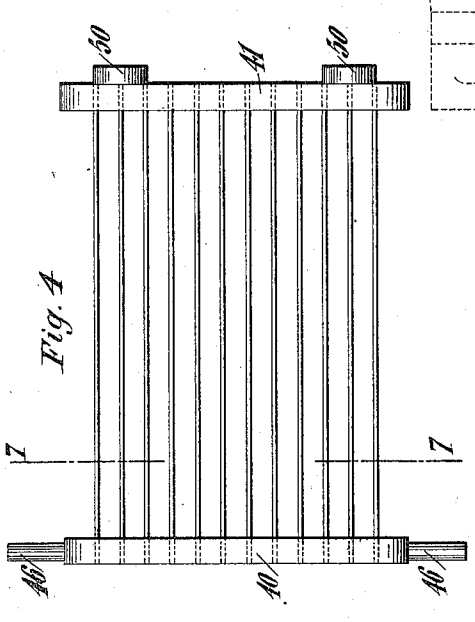


Fig. 4

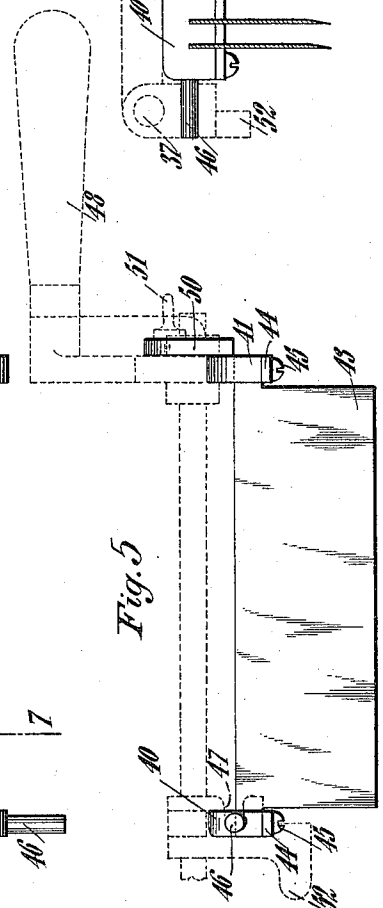


Fig. 5

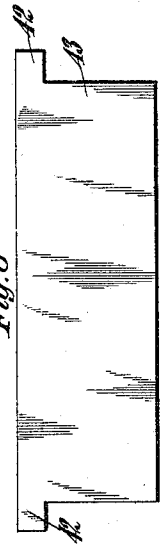


Fig. 8

WITNESSES:

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CUTTER.

APPLICATION FILED APR. 22, 1915.

1,152,577.

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4 SHEETS—SHEET 4.

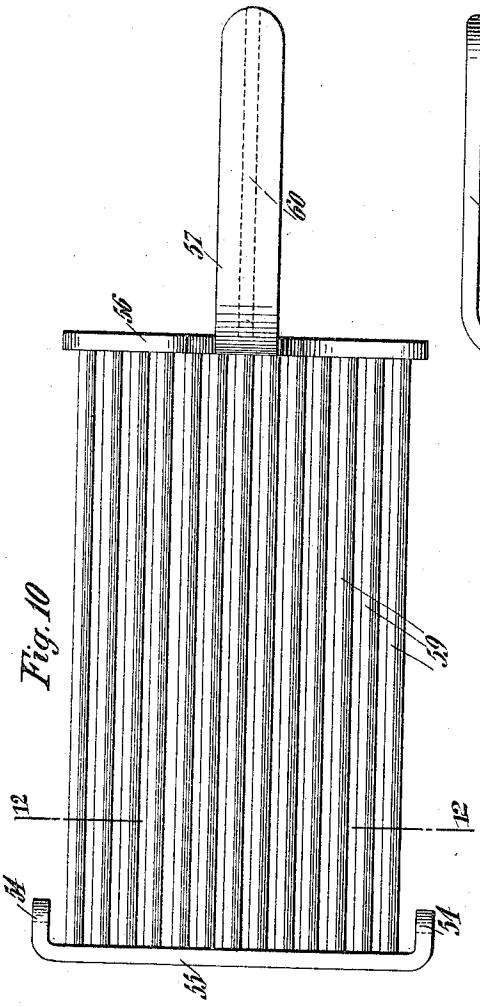


Fig. 10

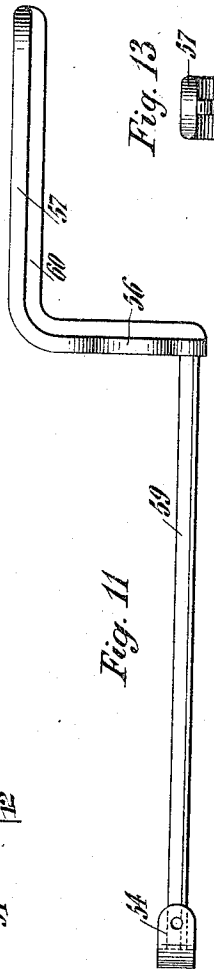


Fig. 11

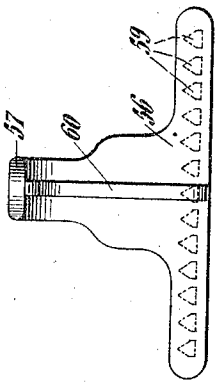


Fig. 13

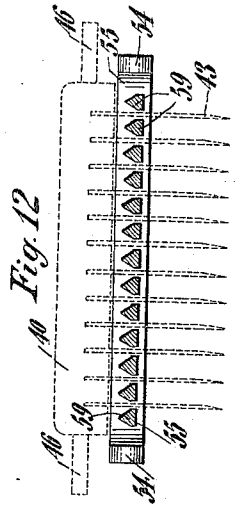


Fig. 12

WITNESSES:

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Louis Mettern.

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BY C. P. Goepel

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UNITED STATES PATENT OFFICE.

BRUNO von BÜLTZINGSLÖWEN, OF NEW YORK, N. Y., ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO MORRIS RUBENS AND ONE-HALF TO ROBERT R. DEBACHER, BOTH OF NEW YORK, N. Y.

CUTTER.

1,152,577. Specification of Letters Patent. Patented Sept. 7, 1915.

Application filed April 22, 1915. Serial No. 22,984.

To all whom it may concern:

Be it known that I, BRUNO von BÜLTZINGSLÖWEN, a citizen of the United States of America, and a resident of New York, in the borough of the Bronx, county of the Bronx, and State of New York, have invented certain new and useful Improvements in Cutters, of which the following is a specification.

This invention relates to improvements in and relating to cutters.

Heretofore it has been necessary to cut food supplies with an ordinary rolling knife, requiring a great deal of time and wasted energy, with the result that the matter when cut was neither uniformly nor efficiently done.

It is an object of the present invention, therefore, to provide a cutter by which an article can be quickly and uniformly cut by hotelmen and housewives.

Another object is to provide a cutter which may be easily kept in a clean and sanitary condition by making the parts capable of being quickly and easily disassembled, so that they may be cleaned or sharpened as desired.

A further object is to provide such a device which is adjustable to all thicknesses, and to provide means preventing the cut matter from adhering to the cutting blades.

A still further object is to provide such a device which is simple in construction and economical to manufacture.

With these and other objects in view, my invention consists of the novel features, construction and combination of parts, as will be more fully described hereinafter with reference to the accompanying drawings and particularly pointed out in the claims.

In the drawings, Figure 1 is a top plan view of my improved device; Fig. 2 is a sectional view thereof taken on the line 2—2 of Fig. 1; Fig. 3 is an end elevation; Fig. 4 is a detail plan view of the blades and blade-carrying members; Fig. 5 is a side elevation thereof, showing in dotted lines the relative position of the blade-supporting members; Fig. 6 is an end elevation thereof; Fig. 7 is a sectional view taken on the line 7—7 of Fig. 4; Fig. 8 is a detail of one form of blade; Fig. 9 is a detail of a modified form of blade; Fig. 10 is a top plan view of the yoke member; Fig. 11 is a side elevation thereof; Fig. 12 is a sectional view taken on the line 12—12 of Fig. 10; and Fig. 13 is an end view thereof.

Similar reference characters indicate corresponding parts throughout the several views.

Referring to the drawings, and more particularly to Fig. 1 thereof, my invention comprises a metal base 10 in the shape of a frame, being preferably of hollow construction and provided with the reinforcing members 11. Guide members 12 are provided at the forward corners of the base, between which a board 13 is adapted to slide in either direction, and lugs 14 are provided at suitable positions on the periphery of the base for securing the same to a table or other support. At the rear corners of the said base are provided standards 15 and 16, which rotatably support by means of screws 18 the adjustment members 19, 20, between which is supported the shaft 21, which rotatably supports the cutting means, as hereinafter described. A substantially semi-circular slot 22 is provided in the said adjustment members, which is engaged by a screw 23 provided in the said standards, having a winged head and a washer 24, which may be tightened against the said members for locking the same in adjusted position. A bar 25 is provided between the said adjustment members for rotating the same, and a recessed portion 26 is provided in the said members which engages a lug or projection 17 of the standards for limiting the movement of the said members. It will be seen that by rotation of the adjustment members the shaft carrying the cutting means is raised or lowered into the proper position according to the thickness desired.

Sleeves 27 and 28 are rotatably mounted on the shaft 21, and held in position thereon by means of collars 29 and provided on the said sleeves 27 and 28 are sleeves 30 and 31 at right angles thereto, in which the ends of the tilting rods 32 and 33 are supported. The said rods are adjustable forwardly and backwardly in the sleeves 30 and 31 by means of tightening screws 34 provided therein. Blade-supporting members 35 and 36 are provided on the tilting rods 32 and 33 in spaced relation in front of the shaft 21,

the member 35 being provided at either side with apertures 37 and screws 38, and the member 36 being provided with apertures 39 and screws 39′ for securing the same to the said rods 32 and 33. A manipulating handle 48 is provided on an upwardly extending portion 49 of the said member 36. Blade-carrying bars 40 and 41, shown in detail in Figs. 4, 5 and 6, are provided with a plurality of grooves 40′, in which the ends 42 of the blades 43 are secured and held in position by a locking bar 44 secured to the said member by screws 45. The blades may be either plain, as shown in Figs. 5 and 8, or serrated, as in Fig. 9, or any other suitable shape desired. The bar 40 is provided with contracted rounded ends 46, which rest in recesses 47 provided at either side of the supporting member 35, the bar fitting snugly under the said member. The bar 40 fits snugly under the supporting member 36, and is provided with upwardly directed lugs 50, which engage the front face of the said member, and are secured thereto by means of winged head screws 51.

Rearwardly projecting ears 52 are provided at either side of the supporting member 35, between which is pivotally supported by means of bolts and nuts 53 the forwardly projecting ends 54 of the rear member 55 of the gridiron yoke. The said yoke comprises the said rear member 55, a forward member 56, having a manipulating handle 57 and the angle bars 58 secured between the said members in alternate arrangement with the blades 43, so that the blades may descend upon the meat through the said bars, which are at the same time held firmly upon the meat.

In Figs. 10 to 13, I have shown a slightly modified form of yoke in which the bars 59 are wedge-shaped, being provided with a flat under-surface and a pointed upper-surface. These figures also show clearly in detail the construction of the gridiron yoke, the member 56 and handle 57 being provided in this construction with a reinforcing ridge 60.

The operation of my device is as follows: The food articles are placed on the board 13 directly under the cutting blades, and the shaft supporting the same is raised or lowered as desired, according to the thickness of the food article to be cut, by means of the adjustment members 19 and 20, which are rotated by loosening of the screws 23 until the proper adjustment is made, whereupon the said adjustment is made stationary by tightening of the screws. The yoke handle is firmly held down against the food article with one hand and with the other the handle 48 is raised and lowered, thereby bringing the blades into contact with the meat. When it is desired to turn the article of food, both handles are lifted, and the food turned as desired. By this means the food is effectively and uniformly cut, and a device is provided which may be easily taken apart for cleaning and sharpening purposes and quickly assembled, and thereby be kept in perfect working and sanitary condition.

The improved device lends itself specially to the cutting of oysters, meat, vegetables, clams, onions and the like, and also is especially advantageous under proper manipulation for the tendering of meat and the like.

I have illustrated and described a preferred and satisfactory form of my invention, but it is obvious that changes may be made therein within the spirit and scope thereof, as defined in the appended claims.

I claim:—

1. In a cutter, a base, standards mounted on the said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly on said standards with respect to the base, and to be securely fixed in said adjusted portion, cutting means carried by said supporting member, and a pivoted yoke member coöperating with said cutting means and adapted to be raised and lowered therewith to prevent matter from adhering thereto, the said yoke member being movable independently from the said cutting means.

2. In a cutter, a base, standards mounted on the said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly on said standards with respect to the said base, and to be securely fixed in said adjusted portion, cutting means carried by said supporting member, and a pivoted yoke member carried by said supporting member and coöperating with the said cutting means to prevent matter from adhering thereto, the said yoke member being movable independently from the said cutting means.

3. In a cutter, a base, standards mounted on the said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to the said base, and to be securely fixed in said adjusted position, spacing members carried by said supporting member, cutting means supported between said spacing members, a pivoted yoke member carried by one of said spacing members coöperating with the said cutting means to prevent matter from adhering thereto, the said yoke member being movable independently from the said cutting means, and a handle carried by the other of said spacing members for manipulating the said cutting means.

4. In a cutter, a base, standards mounted on the said base, a pivoted supporting member mounted between the said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be

securely fixed in said adjusted position, spacing members carried by said supporting member, one of said members being provided with recessed portions at each side thereof, the other of said members being provided with a manipulating handle, cutting means supported between said spacing members, comprising supporting bars, a plurality of cutting members supported between said bars, extending portions on one of said bars adapted to engage the recessed portion of one of the said supporting members, and upwardly extending projections on the other of the said bars adapted to be removably secured to the other of said supporting members, and a pivoted yoke member carried by said supporting member, coöperating therewith to prevent matter from adhering thereto and movable independently from the said cutting means.

5. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, cutting means carried by said supporting member and comprising end supporting bars, a plurality of cutting members supported between said bars, and means on the said bars for removably securing the same to the said supporting members, and a pivoted yoke member carried by said supporting member coöperating with the said cutting means to prevent matter from adhering thereto, and movable independently from the said cutting means.

6. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, cutting means carried by said supporting member, and comprising end supporting bars provided each with a plurality of notches, a plurality of cutting members provided with extensions at the ends thereof adapted to engage the said notches, locking means engaging beneath the said bars for removably securing the ends of the cutting members therein, and means on the said bars for removably securing the same to the said supporting member, and a pivoted yoke member carried by said supporting member, coöperating therewith to prevent matter from adhering thereto, and movable independently from the said cutting means.

7. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, cutting means carried by said member and comprising end supporting bars, a plurality of cutting blades, having a straight unbroken cutting edge, supported between said bars, and means on the said bars for removably securing the same to the said supporting member, and a pivoted yoke member carried by said supporting member, coöperating with the said cutting means to prevent matter from adhering thereto, and movable independently from the said cutting means.

8. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, cutting means carried by said supporting member, and comprising end supporting bars, a plurality of toothed cutting members supported between said bars, and means on the said bars for removably securing the same to the said supporting member, and a pivoted yoke member carried by said supporting member, coöperating with the said cutting means to prevent matter from adhering thereto, and movable independently from the said cutting means.

9. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, spacing members carried by said supporting member, cutting means supported between said spacing members, rearwardly extending portions on one of said spacing members, a manipulating handle on the other of said spacing members, a yoke member pivoted to said rearwardly extending portions, coöperating with the said cutting means to prevent matter from adhering thereto, and movable independently from the said cutting means.

10. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base and to be securely fixed in said adjusted position, spacing members carried by said supporting member, cutting means supported between said spacing members and comprising a plurality of spaced cutting members, a pivoted yoke member carried by one of said spacing members and comprising front and rear supporting members, and a plurality of bars supported between said members, engaging between and at the sides of the said cutting members, coöperating therewith to prevent matter from adhering to the cutting members, and movable independently from the said cutting means.

11. In a cutter, a base, standards mounted on said base, a pivoted supporting member

mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, spacing members carried by said supporting member, cutting means supported between said spacing members, and comprising a plurality of cutting members, a pivoted yoke member carried by one of said spacing members, and comprising front and rear supporting members, and a plurality of bars L-shaped in cross-section engaging between and at the sides of said cutting members, coöperating therewith to prevent matter from adhering to the cutting members, and movable independently from said cutting members.

12. In a cutter, a base, standards mounted on said base, a pivoted supporting member mounted between said standards and adapted to be adjusted upwardly and downwardly with respect to said base, and to be securely fixed in said adjusted position, spacing members carried by said supporting member, cutting means supported between said spacing members, and comprising a plurality of cutting members, a pivoted yoke member carried by one of said spacing members, and comprising front and rear supporting members, and a plurality of bars ridge-shaped in cross-section to form guiding means at the top for said cutting members, and a meat-engaging surface at the bottom, engaging between and at the sides of said cutting members, coöperating therewith to prevent matter from adhering to the cutting members, and movable independently from said cutting members.

13. In a cutter, a supporting member, rotatable means mounted on said supporting member, cutting means pivotally mounted on said rotatable means, the said cutting means being adapted to be raised and lowered by the rotation of said rotating means on the said supporting member, a pivoted yoke member coöperating with the said cutting means and adapted to be raised and lowered therewith, and means for securely holding said rotatable means with respect to the said supporting member at any position between its extreme upward and downward movement.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

BRUNO VON BÜLTZINGSLÖWEN.

Witnesses:

JOSEF BISBANO,

D. GORDON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."