

Oct. 4, 1949.

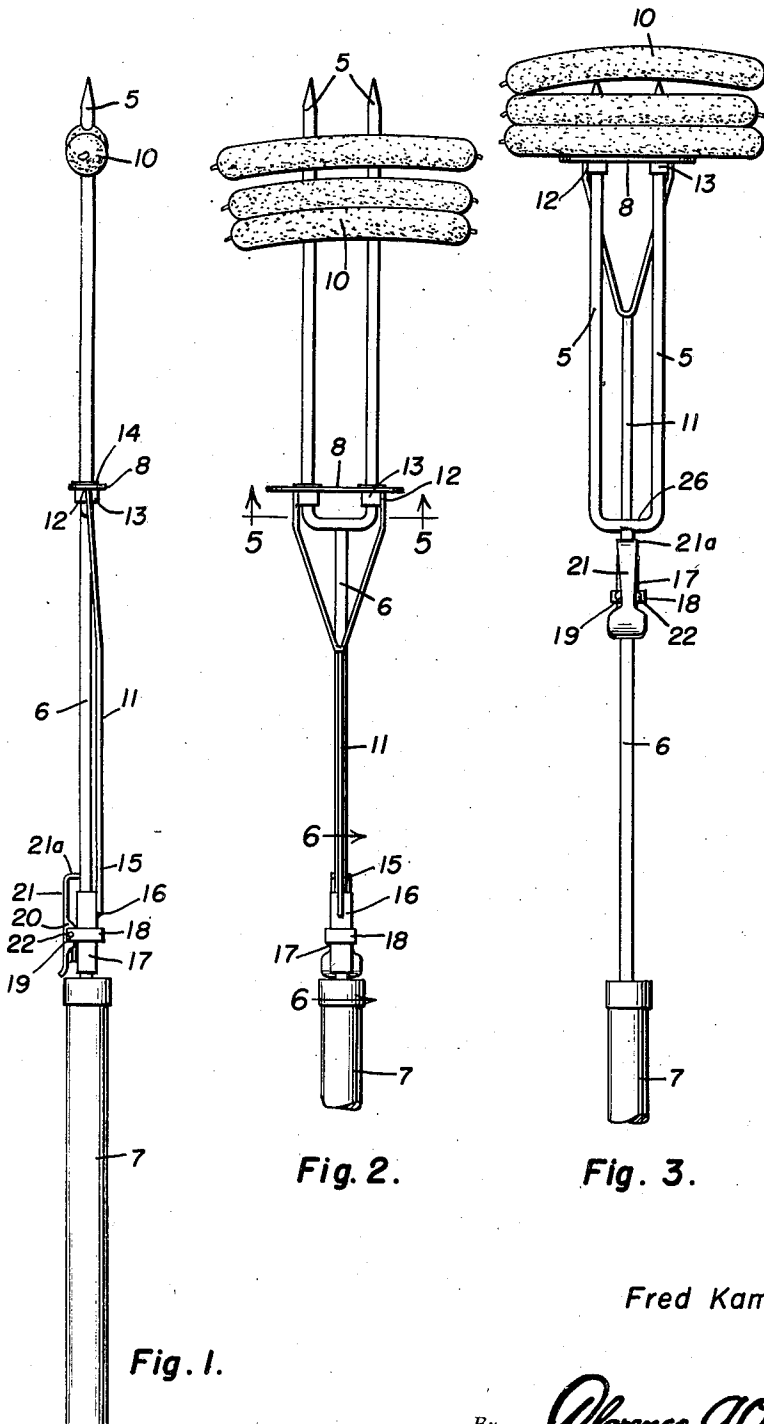
F. KAMINSKI

2,483,546

EJECTOR ROASTING FORK

Filed Feb. 25, 1947

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

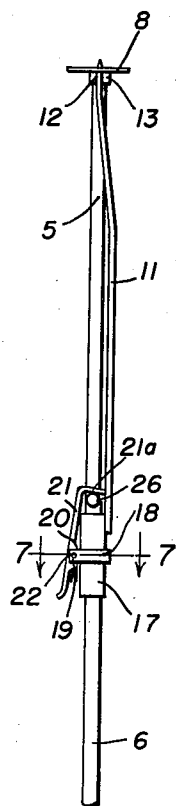


Fig. 4.

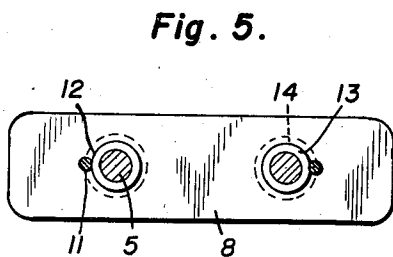


Fig. 5.

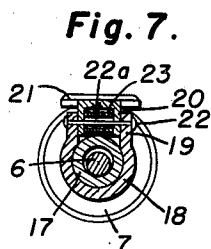


Fig. 7.

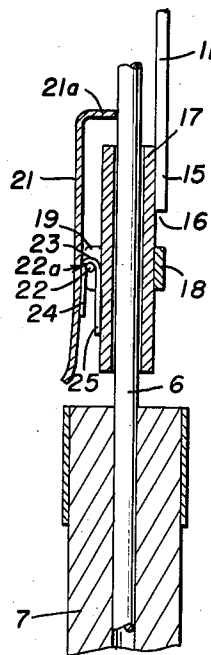


Fig. 6.

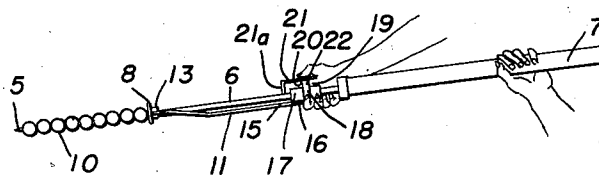


Fig. 8.

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UNITED STATES PATENT OFFICE

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EJECTOR ROASTING FORK

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Application February 25, 1947, Serial No. 730,713

3 Claims. (Cl. 30—129)

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This invention relates to new and useful improvements in ejector forks and more particularly to a fork adapted to be used for roasting wieners or the like.

The primary feature of the present invention is to provide a fork adapted to hold a large number of wieners, bacon, steaks or the like and means included with the fork for ejecting the article held thereon from the fork onto a plate without the food article being handled.

Another important feature of this invention is to provide a fork of the character referred to including means for removing the food articles held thereon one at a time to plates placed conveniently under the food articles.

A further feature of the present invention is to provide an ejector fork that is quite simple in operation for removing any article impaled upon its prongs.

A still further feature of the present invention is to provide a device of the class described that is simple and practical in construction, efficient and reliable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view of the improved ejector fork holding a wiener on its prongs;

Figure 2 is a rear elevational view thereof;

Figure 3 is a front elevational view of the fork showing the operation of the ejector for removing wieners one at a time from the prongs;

Figure 4 is a side elevational view of the fork, the wieners having all been removed therefrom;

Figure 5 is an enlarged sectional view taken on line 5—5 of Figure 2;

Figure 6 is an enlarged sectional view taken on line 6—6 of Figure 2;

Figure 7 is an enlarged sectional view taken on line 7—7 of Figure 4; and,

Figure 8 is a slightly decreased side elevational view of the fork in use for ejecting wieners one by one from the fork's prongs.

Referring now to the drawings in detail, wherein for the purpose of illustration, I have disclosed a preferred embodiment of the present invention, the numeral 5 represents the prongs of the fork having an elongated shank 6 provided with a handle 7.

Slidably mounted on prongs 5 is an ejector plate

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8 having rings 13 mounted therein and through which the prongs loosely pass. This plate is slidable on the prongs to advance toward wieners or the like 10 impaled on the prongs for removing one by one said wieners.

The plate 8 is operated by a substantially Y-shaped rod 11 having its upper end secured as at 12 to the sides of the pairs of rings 13 which extend downwardly from plate 8 and having one edge 14 flattened against the upper face of plate 8. The rings loosely surround the prongs so that the plate may advance on the prongs.

The lower portion of rod 11 extends in alignment with shank 6 but spaced slightly therefrom, and the lower end 15 of said rod is secured as at 16 to a substantially cylindrical traveling sleeve 17 which is slidable on shank 6.

A split ring 18 encircling and suitably secured to sleeve 17 has its out turned ends 19 resting on opposite sides of a pair of ears 20 extending inwardly from a substantially inverted L-shaped catch arm 21 whose intumed end 21^a bears normally against sleeve 6.

A pin 22 extending between said ends 19 and the ears 20 permits pivotal movement of said arm 21.

A wire spring designated generally by the numeral 22^a having its intermediate portion 23 coiled to make a coil spring mounted on pin 22 and having one end 24 of said spring bearing against the underside of catch arm 21 and the opposite end 25 bearing against the traveling sleeve 17, said spring adapted to hold arm 21 inwardly against the shank 6 in frictional engagement therewith.

In operation of the device, the plate 8 is extended downwardly on prongs 5 so that a number of wieners or the like may be impaled on the prongs for roasting.

As the ejector plate 8 is pushed upwardly on the prongs the plate bears against the wieners causing one at a time to be ejected from the prongs as shown in Figure 3 of the drawings.

In order to make the device safe during storing or when not in use, the plate 8 is extended upwardly as far as the traveling sleeve is permitted on shank 6 so that very little of the prongs extend outwardly from the plate, and catch arm 21 fits over the inner connecting bar portion 26 of said prongs making movement of the plate impossible without disengaging catch arm from its position, as clearly shown in Figure 4.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the con-

struction, operation and advantages of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

What I claim is:

1. The combination with a fork having a handle, a shank carried by the handle and prongs at the outer end of the shank having a connecting bar at their inner ends connecting the prongs to the shank; of an ejector plate slidably mounted on the prongs, a sleeve slidably mounted on the shank, a substantially Y-shaped rod having its upper ends secured to the plate and its lower end secured to the sleeve for simultaneous advancement of the plate by the sleeve, said lower portion of the rod extending rearwardly along the shank toward the handle, and a catch arm pivoted to the sleeve for gripping the connecting bar of the prongs for holding the ejector plate in a protective position at the outer ends of the prongs when the device is not in use.

2. The combination with a fork having a handle, a shank carried by the handle and prongs at the outer end of the shank having a connecting bar at their inner ends connecting the prongs to the shank; of an ejector plate slidably mounted on the prongs, a sleeve slidably mounted on the shank, a pair of rings carried by the plate, said rings having their upper edges flattened on the plate, said rings loosely receiving the prongs for longitudinal movement thereon, a substantially Y-shaped rod having its outer ends secured to the rings, and the inner end of said rod secured

to the sleeve, said inner portion of the rod extending rearwardly in spaced relation along the shank toward the handle, and catch means carried by the sleeve releasably engaging the connecting bar of the prongs for holding the plate in position as a guard for the outer ends of the prongs when the device is not in use.

3. The combination with a fork having a handle, a shank carried by the handle and prongs at the outer end of the shank having a connecting bar at their inner ends connecting the prongs to the shank; of an ejector plate slidably mounted on the prongs, a sleeve slidably mounted on the shank, a pair of rings carried by the plate, said rings having their upper edges flattened on the plate, said rings loosely receiving the prongs for longitudinal movement thereon, a substantially Y-shaped rod having its outer ends secured to the rings, and the inner end of said rod secured to the sleeve, said inner portion of the rod extending rearwardly in spaced relation along the shank toward the handle, a pivoted spring biased catch arm mounted on the sleeve and held inwardly in frictional contact against the shank, the upper end of said catch arm releasably engaging the connecting bar of the prongs for holding the plate in position as a guard for the outer ends of the prongs when the device is not in use.

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