F. H. HOOD.

ATTACHMENT FOR MEAT GRINDERS.

APPLICATION FILED MAY 20, 1918.

1,289,765.

Patented Dec. 31, 1918.

Fig. 1.

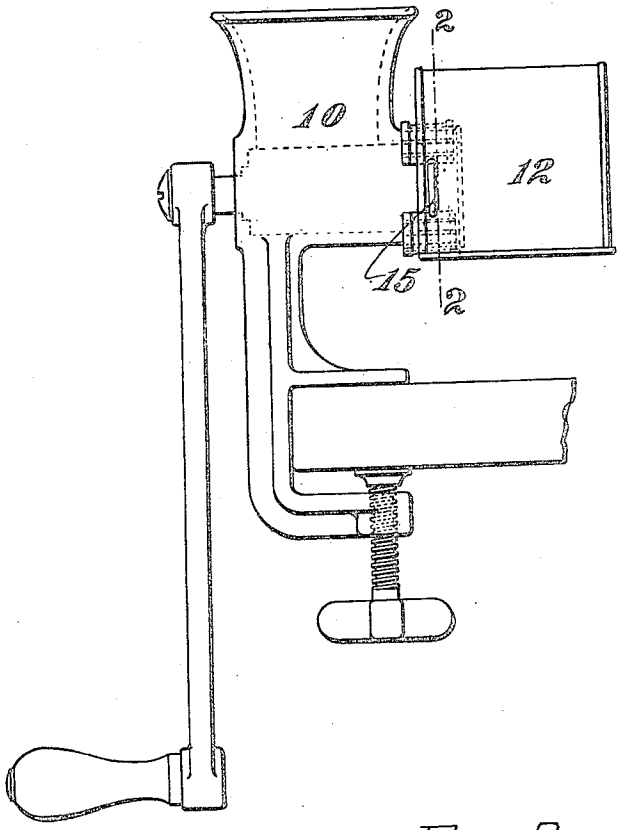


Fig. 2.

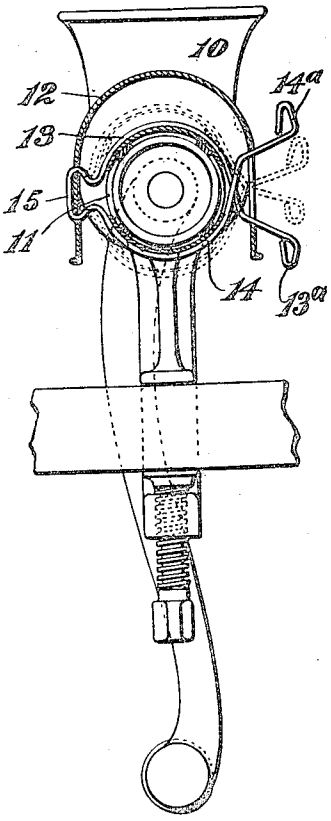
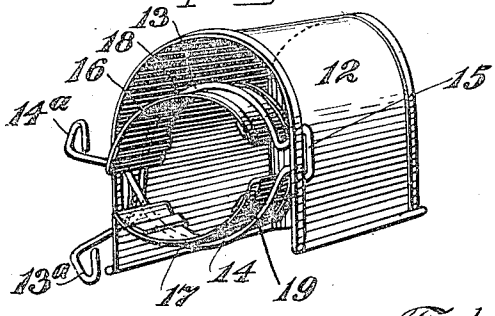


Fig. 3.



WITNESS

William Helmer.

INVENTOR,

Frederick H. Hood,

BY

Allen & Daggett,

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FREDERICK H. HOOD, OF PROVIDENCE, RHODE ISLAND.

ATTACHMENT FOR MEAT-GRINDERS.

1,289,765. Specification of Letters Patent. Patented Dec. 31, 1918.

Application filed May 20, 1918. Serial No. 235,433.

To all whom it may concern:

Be it known that I, FREDERICK H. HOOD, a citizen of the United States, residing at Providence, in the county of Providence, in the State of Rhode Island, have invented a certain new and useful Improvement in Attachments for Meat-Grinders, of which the following is a specification, reference being had to the accompaanying drawings.

The immediate object of this invention is to provide a simple, inexpensive and effective attachment for use with grinders of the type commonly used in households, whereby the juices of meats, fruits and vegetables which are expressed by such grinders will be prevented from flying, or squirting unduly, and my said invention consists essentially of a shield which may be instantly clamped to, or removed from, the delivery end portion of such grinders.

My invention is illustrated by the annexed drawings, in which Figure 1 is a side elevation of a grinder having a protective hood, of my improved construction, mounted thereon and Fig. 2 is an elevation as viewed from the delivery end of said grinder, the hood being cut away on the line 2—2 of said Fig. 1. Fig. 3 is a detached, perspective, view of the hood as viewed from the end which faces the grinder when the grinder and hood are assembled for use.

In these drawings the numeral 10 indicates as a whole a grinder of that type which includes a hopper in which is located a spirally formed, rotatable, cutter; it being assumed that any grinder of the general type herein shown and described may be utilized with my present improvement which relates to the shield rather than to the grinder.

The delivery end portion of the grinder is usually formed as a circular boss 11. My improved attachment consists of a shield or hood which is, preferably, constructed of sheet metal and it includes a box-like structure 12 which is large enough to slip over the boss 11, the said shield being open in its lower portion and also at the end which fits over said boss. At its open end I have provided a novel form of spring clamp by means of which the shield may be instantly clasped upon boss 11 without the aid of screws or other fastenings. The said clasp consists of oppositely disposed, semi-circular wire members 13 and 14 which are secured to the shield 12 at the point 15, the free end portions of said wire members being extended, as at 13^a and 14^a, said ends being crossed, as is best seen in Figs. 2 and 3, the arrangement of said wires being such that when the extended ends 13^a—14^a are sprung toward each other (see dotted lines in Fig. 2) the semi-circular portions 13—14 will be separated a distance sufficient so they will readily slip over the boss 11.

By preference, I solder to the semi-circular wires 13—14 tin reinforcements 16—17 to which are fixedly secured bars 18—19 which extend lengthwise of the shield 12 and provide elongated bearings against the boss 11 which serve to prevent the deflection or disarrangement of the shield relatively to the grinder.

When it is desired to utilize the described shield, the extended ends 13^a and 14^a of the clamping wire are grasped and forced together, thus enlarging the circle described generally by the semi-circular portions 13—14 until the latter will easily slip onto the boss 11. The wire ends 13^a—14^a are then released and, as they spring apart, the ring portions 13 and 14 close upon the boss 11 and clamp the shield firmly to the grinder. The described means for clamping the grinder and shield together permit the shield to be rocked (rotated) so to guide the discharge from the grinder directly downward, or laterally, as may be desired.

My described device costs very little to manufacture, it may be readily attached to or removed from a grinder, and it effectually prevents the undue flying of the minced material and juices.

Having thus described my invention, I claim as new and wish to secure by Letters Patent:—

A protective device for grinders of the class referred to, consisting of a shield, and means consisting of oppositely disposed springs adapted to be clasped upon the said grinder, for detachably mounting said shield on the delivery end portion of the grinder.

FREDERICK H. HOOD.

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