

# PATENT SPECIFICATION



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205,392

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## COMPLETE SPECIFICATION.

### Improvements in Egg and like Whisks.

We, KUNZ WEIDLICH, of 8, Wodanplatz, Nurnberg, Germany, German subject, and BING-WERKE, vorm. GEBR. BING A.—G., of 16, Blumenstrasse, Nurnberg, Germany, a German joint stock company, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to that class of egg and like whisk which consists of a stirring vessel with a handle and a detachable bridge piece which carries and supports the driving gear and stirring arms or vanes.

It is known in a machine for stirring forced meat and the like to employ an axle carried in a detachable cross bar or bridge and supported by a lower pivot engaging in a bearing in the bottom of the vessel, such axle being made as a helically twisted strip and carrying horizontal radial blades. The top end of the axle carries a detachable toothed wheel gearing with a larger detachable toothed wheel carried on the cross bar and a handle is provided having one hub or boss which can be attached to the larger toothed wheel or if the toothed wheels are removed direct on to the axle.

In our prior British Patent No. 193,805 we have described a machine in which the stirring arms carried by a shaft supported in a detachable cross bar or bridge and supported in the bottom of the vessel is driven by two toothed wheels and a handle having two hubs or bosses which can be engaged with one or the other of the wheels by one or the other of the hubs or bosses.

The object of this invention is to construct a stirring vessel or whisk in an improved manner whereby the freely suspended stirring arm can be held against powerful lateral strains.

According to this invention we attach to the underside of the bridge a bent metal piece or frame through which the stirring axle passes and which also supports the lower end of the short axle carrying the larger toothed wheel at a little distance below the bridge so that the shaft and axle are reliably mounted and held against lateral strains when the machine is in use.

Our invention will be clearly understood from the following description aided by the annexed drawings in which

Figure 1 is a transverse section.

Figure 2 a plan of the whisk and

Figure 3 a perspective view of the removable bridge piece constructed according to this invention.

The whisking machine consists of a stirring vessel *b* preferably with a handle *a*, in which vessel the stirring arm *e* carried by a shaft *h* mounted in a bridge piece *l* and driven by a gear is inserted so that the lower edge *f* of the arm *e* rotates with slight play above the bottom *g* of the stirring vessel. The stirring shaft *h* carries at the upper end a small tooth or pin wheel *d* engaging with a tooth or pin wheel *c* on a spindle *p* mounted in the detachable bridge *l* which according to this invention is provided for this purpose with a frame piece *m* whereby a reliable mounting of the stirring shaft *h* and of the spindle *p* of the wheel *c* is assured. The bridge *l* together with the driving gear and the stirring arm *e* form a whole which can be easily introduced into the vessel *b*, or be taken out of it for the purpose of being cleaned.

For this purpose the upper edge of the vessel *b* has a slot into which the somewhat upward bent end *n* of the bridge *l* can be introduced, whilst the fixing of the bridge *l* is effected by means of the known locking device *o*. The upper

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ends of the spindle *p* of the stirring shafts *h* are furnished with a square or oblong piece *r*, on which the crank handle *s* can be placed alternately so that according to the nature of the material to be whisked or stirred the stirring arm *e* can be quickly or slowly rotated.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

In a whisk or stirring vessel consisting of a vessel having a detachable bridge carrying the stirring vane and known operating gear consisting of two toothed

wheels carried on the bridge, attaching to the underside of the bridge a bent metal piece or frame through which the stirring axle passes and which also supports the lower end of the short axle carrying the larger toothed wheel at a little distance below the bridge so that the shaft and axle are reliably mounted and held against lateral strains, as described and as shown on the annexed drawings.

Dated this 8th day of December, 1922.

H. GARDNER & SON,  
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Agents for the said Applicants.

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[This Drawing is a reproduction of the Original on a reduced scale.]

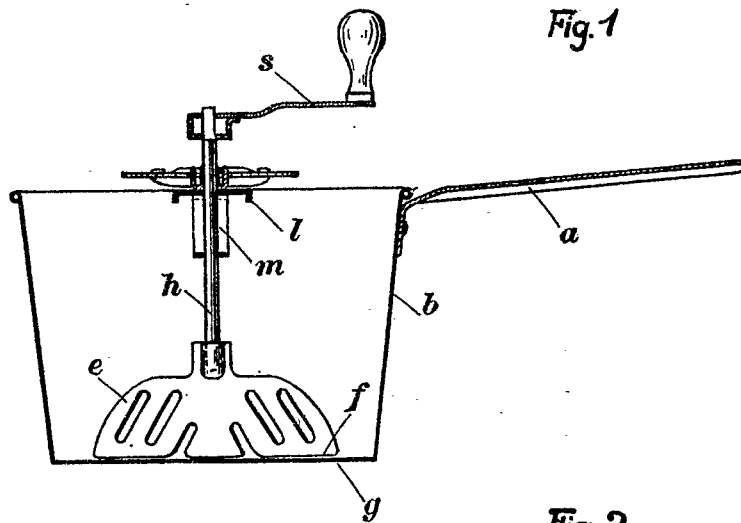


Fig. 1

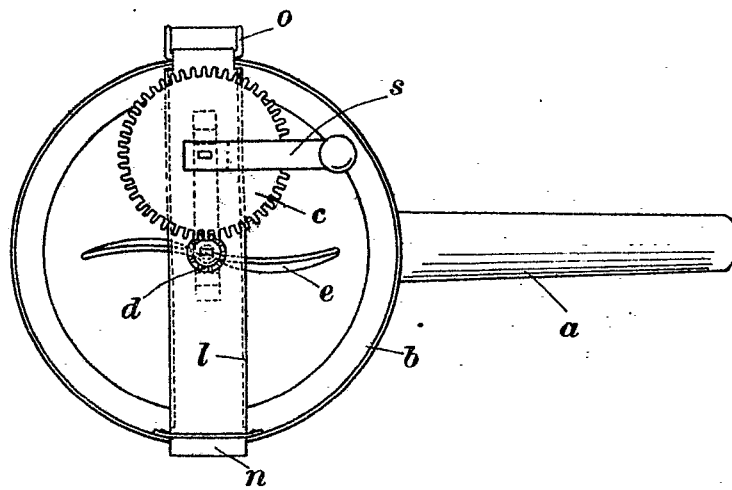


Fig. 2

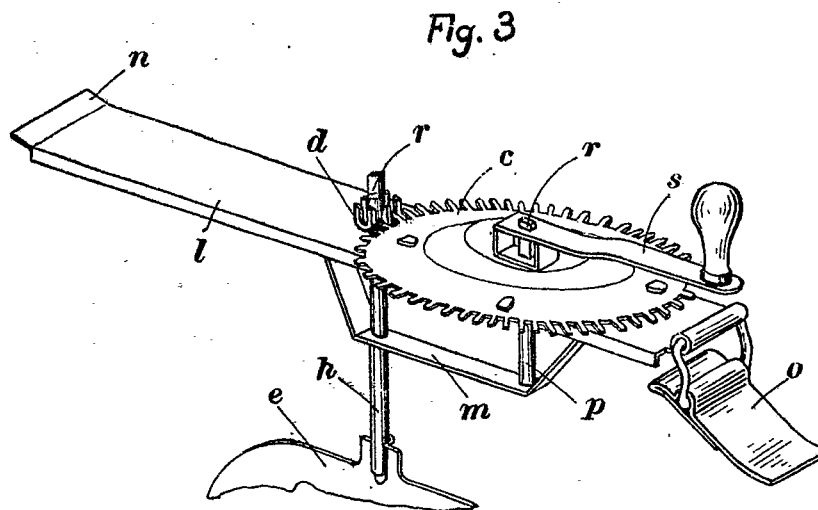


Fig. 3