

B. S. & S. GROSS.
COMBINATION TOOL.
APPLICATION FILED SEPT. 19, 1911.

1,047,795.

Patented Dec. 17, 1912.

2 SHEETS—SHEET 1.

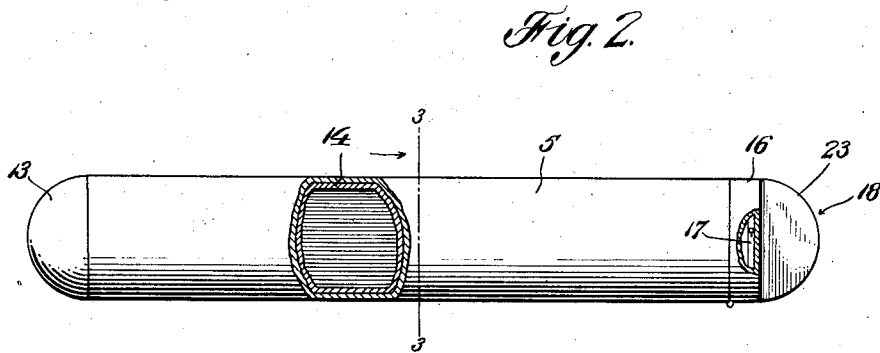
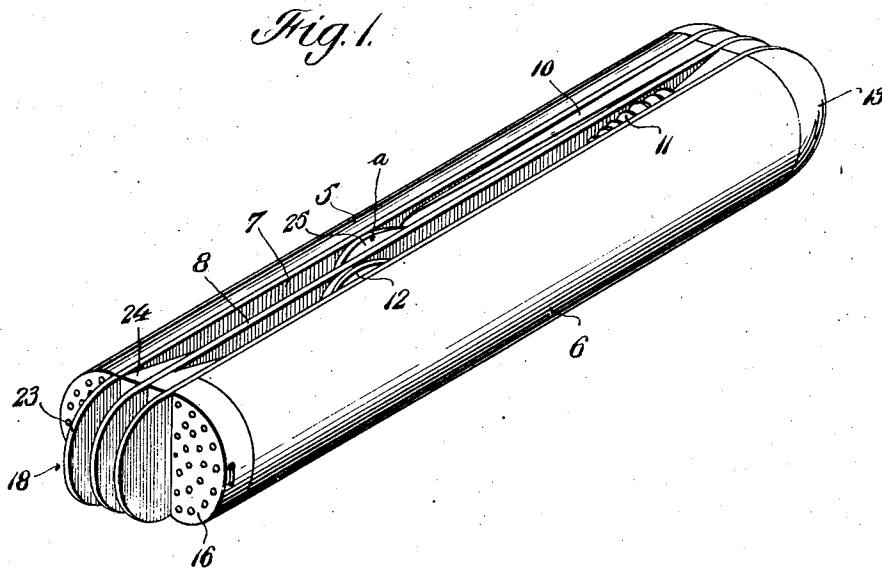
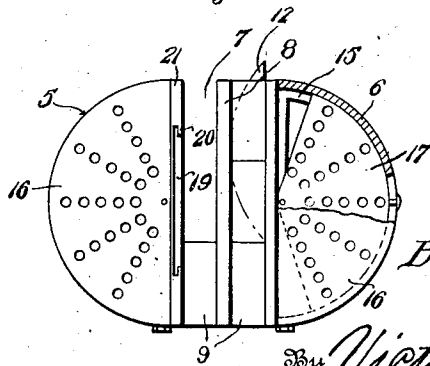


Fig. 6.



Witnesses

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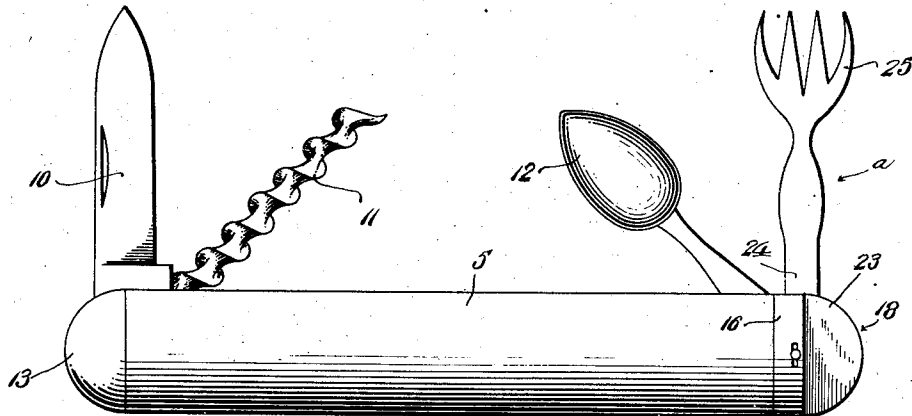


Fig. 5.

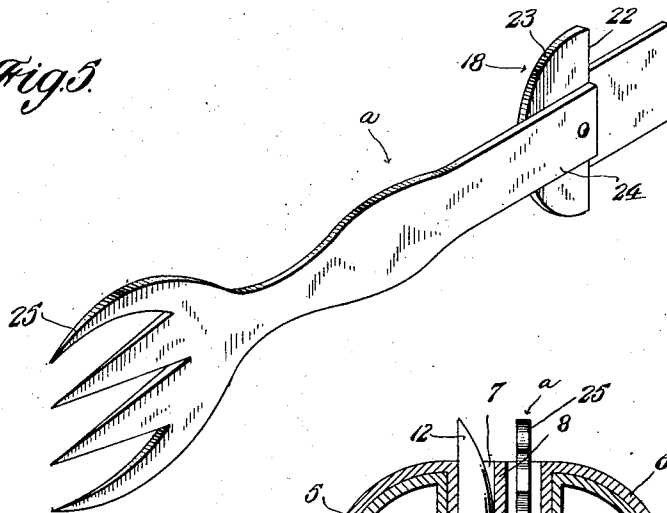


Fig. 4.

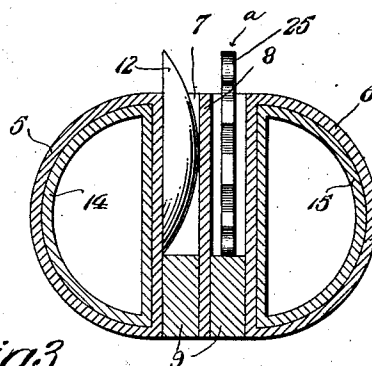


Fig. 3.

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UNITED STATES PATENT OFFICE.

BENJAMIN S. GROSS AND SIDNEY GROSS, OF BIRMINGHAM, ALABAMA.

COMBINATION-TOOL.

1,047,795.

Specification of Letters Patent.

Patented Dec. 17, 1912.

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To all whom it may concern:

Be it known that we, BENJAMIN S. GROSS and SIDNEY GROSS, citizens of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented new and useful Improvements in Combination-Tools, of which the following is a specification.

The general object of the invention is to combine various utensils such as are used at table, in a unitary structure, such as an ordinary pocket knife.

Other objects will appear and be better understood from the following description taken in connection with the accompanying drawings, in which,

Figure 1 is a perspective view of the device with the parts in closed position. Fig. 2 is a detail side elevation partly in section. Fig. 3 is a transverse section approximately on the line 3—3 of Fig. 2. Fig. 4 is a detail perspective of the fork. Fig. 5 is a detail side elevation showing the several implements in open position. Fig. 6 is an end elevation with the fork removed.

5 and 6 indicate the sides of the handle and 7 the recess or harbor between the sides for receiving the implements hereinafter described.

8 indicates the usual partition which subdivides the recess or harbor 7 and extends between the main springs 9.

10 indicates the knife blade and 11 a corkscrew. These elements are pivoted in one end of the handle and fold into the recess or harbor 7 thereof on either side of the partition 8 and are yieldingly held therein, in the usual manner by means of the main springs 9 and are adapted in the ordinary manner to be turned outwardly and held in outturned position by the main springs 9. 12 indicates a spoon which is pivoted in the other end of the recess or harbor 7 and on one side of the partition 8 and is adapted like the ordinary pocket knife blade to fold into the recess or be turned outwardly and extend co-extensively with the handle.

The sides 5 and 6 are hollow and closed at one end in any preferred manner such as by the tips or ferrules 13.

14 and 15 indicate respectively receptacles for salt and pepper. These receptacles are adapted to be harbored in the hollow sides 5 and 6 and are open at one end so as to deliver their contents through the perforated caps or covers 16 which form closures

for the open ends of the hollow sides 5 and 6. The caps 16 may be hinged to the sides 5 and 6 in order to admit of the insertion and removal of the receptacles 14 and 15 when the caps are swung outwardly, or if desired the caps may be removably connected in any preferred manner to the open ends of the side.

17 indicate plates which are adapted to slide over the perforated portions of the caps so as to prevent the escape of the contents of the receptacles through the perforations of the caps either when the device is in the pocket of the user or after the necessary amount of salt and pepper has been applied to the food.

a indicates a fork which consists of a plurality of pivoted sections one of which is designated by 18 and is in the form of a fillet which is adapted to be removably fitted or harbored in that end of the handle remote from the end to which the blade 10 is pivoted. Any preferred construction may be employed for adapting the handle to harbor the fillet and in the present instance, 19 indicates a socket formed by connecting inturned marginal portions 20 of a plate 21 in one of the blade compartments of the handle.

22 indicate shoulders on the fillet 18 to abut the outer end of the socket and 23 indicates a convex surface at the outer end of the fillet which presents an attractive appearance to the device when the fillet is harbored as shown, and wherein it will be seen that this convex surface 23 simulates a tip or ferrule similar to that indicated by 13.

24 indicates the shank of the fork which is offset from and pivoted to the fillet so as to fold into the recess or harbor 7.

25 indicates the tangs of the fork, the outer of these tangs being curved as shown, so that when the fork is closed the points of the outer tang will not contact with the clothing or embed in surrounding objects.

By constructing the parts so that the fork may be detached the same may be held in one hand and with the knife blade in open position and the other part of the device in the other hand, the user is enabled to employ these elements simultaneously.

Although we have shown and described one embodiment of our invention it is to be understood that we are not to be limited to the specific structure or arrangement of parts since various changes may be made,

within the scope of the appended claim without departing from the spirit or sacrificing any of the advantages of the invention.

5 What we claim as new is:

In a combination tool of the class described comprising a handle having compartments, a plate provided with a recess and secured in one of said compartments, an
10 implement including pivoted sections, said sections comprising a fillet provided with a convexed surface at the outer end thereof,

and a utensil having its shank portion offset from said fillet, the opposite end of said fillet slidably and removably fitted within the said recess formed in said plate.

In testimony whereof we affix our signatures in presence of two witnesses.

BENJAMIN S. GROSS.
SIDNEY GROSS.

Witnesses:

R. D. VANCE,
R. T. BOATNLE.