

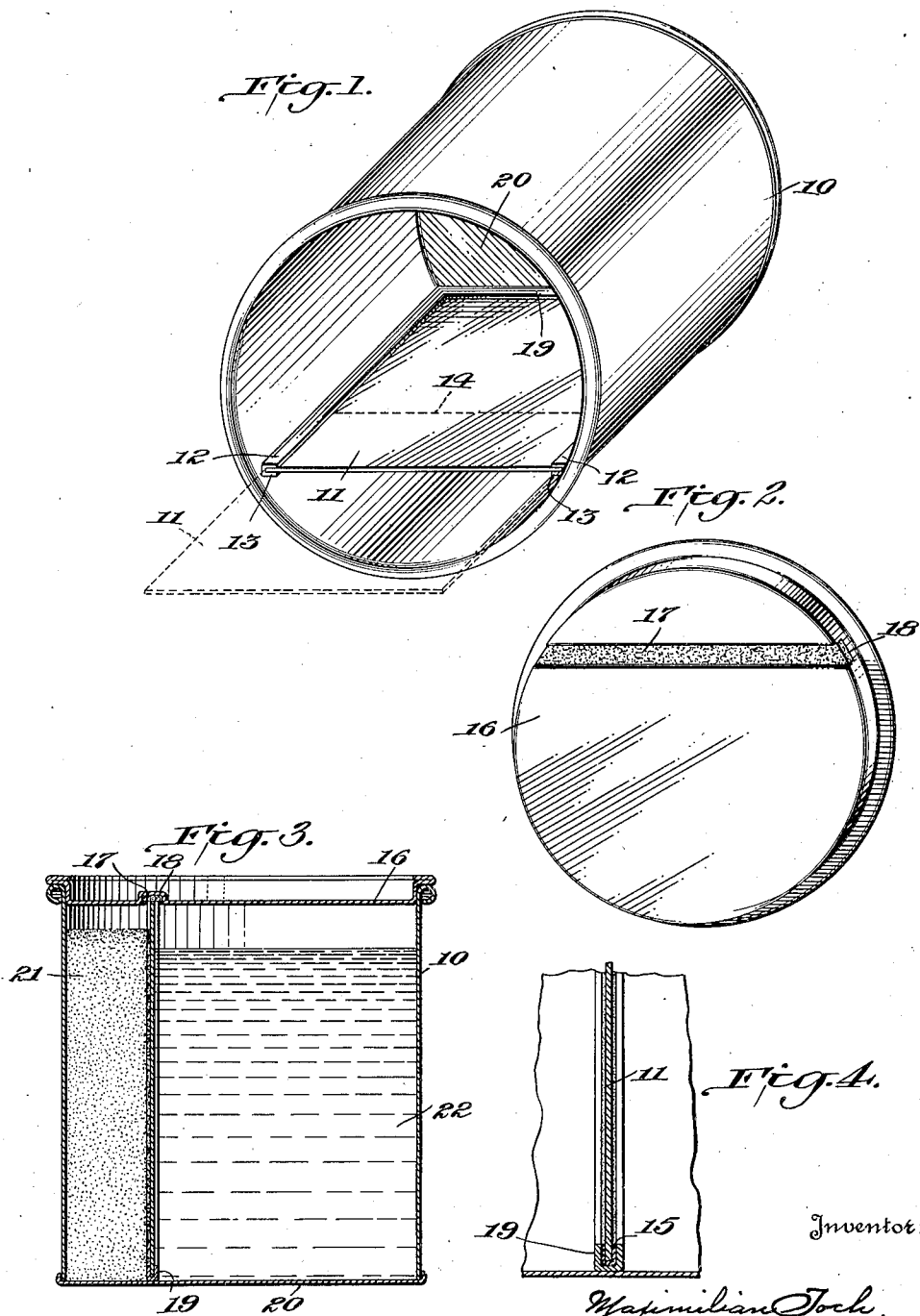
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RECEPTACLE FOR PAINTS, ETC

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UNITED STATES PATENT OFFICE.

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RECEPTACLE FOR PAINTS, ETC.

Application filed June 3, 1927. Serial No. 196,328.

The invention relates to receptacles of the type adapted to contain a plurality of materials which are to be maintained separated until the time of use.

5 The receptacle of the present invention is especially suitable for the shipment of paints, enamels, bronzing liquids, and similar coating materials, of the kind in which the solid and liquid components must be maintained
10 separated until the coating material is to be used and the receptacle is opened. A typical example of the special use of such a receptacle is for the shipment of aluminum or other metal powder and varnish, which must not
15 be mixed until the coating material is to be applied, since on mixing, hydrogen, which is explosive, is generated.

Numerous means have heretofore been devised for maintaining the materials separated until ready for use.

20 In one of the better known types, a relatively large container is provided for the liquid component, and on the cover or bottom thereof is attached a smaller receptacle, the contents of the latter being dumped
25 into the larger receptacle when the coating composition is to be used. In certain other forms heretofore suggested, a small receptacle for the metal powder is mounted within
30 the larger container, and the contents of the first is discharged into the liquid by fracturing the wall of the smaller container, or by removal of a plug or stopper in the smaller container.

35 An object of the present invention is to provide a receptacle for the purpose referred to which will be simpler in form and safer, and more practical in use, and which has few parts and is less expensive to manufacture
40 than those heretofore known.

My novel receptacle is provided with a septum having liquid-tight engagement with the inner wall of the receptacle, and this septum is separable and withdrawable, upon removal of the closure of the receptacle, and thereupon permits mixing of the ingredients.

The invention may take any of several forms. In the present application I have shown an embodiment wherein a multiple-
50 compartment receptacle is provided by arranging opposed guides along the inner walls of the receptacle and employing as a septum a partition which is slidably removable from the receptacle along the said guides
55 as slideways. In this form, therefore, the

septum comprises a partition, and the latter may be flat or curved. In a companion application, Serial No. 196,329, and filed of even date herewith, I have shown and described another embodiment in which the
60 septum is cylindrical in form, and the open bottom of which is secured to and closed by an inner wall of the outer container.

In the present embodiment the slideways referred to are preferably provided with
65 liquid-tight packing which closely engages the edges of the partition or septum to effectively exclude the varnish, for example, from the metal powder. Along the under side of the cover, the septum is preferably sealed by
70 a strip of packing suitably held on, or within a groove in, the cover, this strip of packing material being pressed on to the upper edge of the septum when the closure is applied after filling.
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The invention is illustrated in the accompanying drawing, wherein:

Fig. 1 is an interior perspective view of a receptacle suitable for the shipment, etc., of coating compositions of the type referred to;
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Fig. 2 is a view of the under side of a closure for the receptacle, and illustrating a suitable sealing strip which engages the top of the septum.

Fig. 3 is a vertical section of the receptacle shown in Fig. 1, the closure being in place and the two compartments being shown as filled with a solid and liquid material, respectively; and
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Fig. 4 is an enlarged sectional view of a portion of the receptacle, showing clearly the slideway for the septum and packing material between these two parts.

The receptacle 10 is provided with a septum 11 which is removably held in place within the receptacle by means of guide members 12 which may be of channel form in cross section and provide slideways 13 to receive the edges of the partition 11. The members 12 may be joined across the bottom of the receptacle, as shown, to provide a guide for the lower edge 14 of the partition.
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As shown in Fig. 4 the guide members 12 are provided with internal felt packing or equivalent material 15 which fits snugly
105 around the edges of the septum to make a liquid-tight joint between the two compartments formed by the partition.

The closure 16 for the receptacle may be of the ordinary slip-cover type. To effect a seal

along the upper edge of the partition 11 the lower side of the closure is provided with a strip 17 of felt or equivalent packing material which tightly engages the upper edge of the partition when the closure is pressed into place. To hold the seal in place, a groove 18 may be formed in the cover in any suitable manner, and the packing may be held in the groove by friction or by an adhesive or by any other means or expedient. While the strip of packing may be simply laid over the upper edge of the septum and the cover forced down upon the same, it is preferable to employ some means which will insure its remaining in proper position. The means shown also facilitates proper positioning of the cover by the operator upon sealing the receptacle.

The bottom channel 19 may be replaced by a packing similar to the strip 17, with or without the provision of a groove to receive the same in the bottom 20; but I prefer the arrangement shown and in which the guide member is continued from the side walls across the bottom.

Fig. 3 shows the receptacle filled, with a solid component 21 in the smaller compartment formed by the septum and a liquid component 22 in the larger compartment. When the coating or other composition is to be used, the closure is pried off in the usual manner and the septum is withdrawn by hand or with a tool, whereupon the two components are free to mix, and may be stirred together.

I claim:

1. A receptacle for a plurality of materials to be maintained separated and of which at least one is a liquid, having a partition within but removable from the same, said partition having liquid-tight engagement with the side walls and bottom of the receptacle, and a closure having when in place liquid-tight engagement with the upper edge of said partition.

2. A receptacle for a plurality of materials to be maintained separated and of which at least one is a liquid, having a guide member within the same conforming to the side walls and bottom thereof, a partition slidably

removable from the receptacle along said guide member, a liquid tight joint between said partition and said receptacle, and a closure having when in place liquid-tight engagement with the upper edge of said partition.

3. A receptacle for a plurality of materials to be maintained separated and of which at least one is a liquid, having a partition within but removable from the same, said partition having liquid-tight engagement with the receptacle, and a closure provided with a packing strip adapted when the closure is in place to engage the adjacent edge of said partition.

4. A receptacle for a plurality of materials to be maintained separated and of which at least one is a liquid, having a partition within but removable from the same, said partition having liquid-tight engagement with the receptacle, a closure having a groove adapted when the closure is in place to lie over the adjacent edge of said partition, and a packing strip in said groove.

5. A receptacle for a plurality of materials to be maintained separated and of which at least one is a liquid, having a guide member within the same conforming to the side-walls and bottom thereof, a partition normally supported in said guide member and having liquid-tight engagement therewith but slidably removable therefrom, a closure having a groove adapted when the closure is in place to lie over the adjacent edge of said partition, and a packing strip in said groove.

6. A receptacle for a plurality of materials to be maintained separated and of which at least one is a liquid, having a guide member within the same substantially U-shaped in cross-section and lying contiguous to the side walls and bottom thereof, a partition normally supported in said guide member and slidably removable therefrom, liquid-tight packing within said guide member around the edges of said partition, a closure having a groove adapted when the closure is in place to lie over the adjacent edge of said partition, and a packing strip in said groove.

In testimony whereof, I affix my signature.
MAXIMILIAN TOCH.