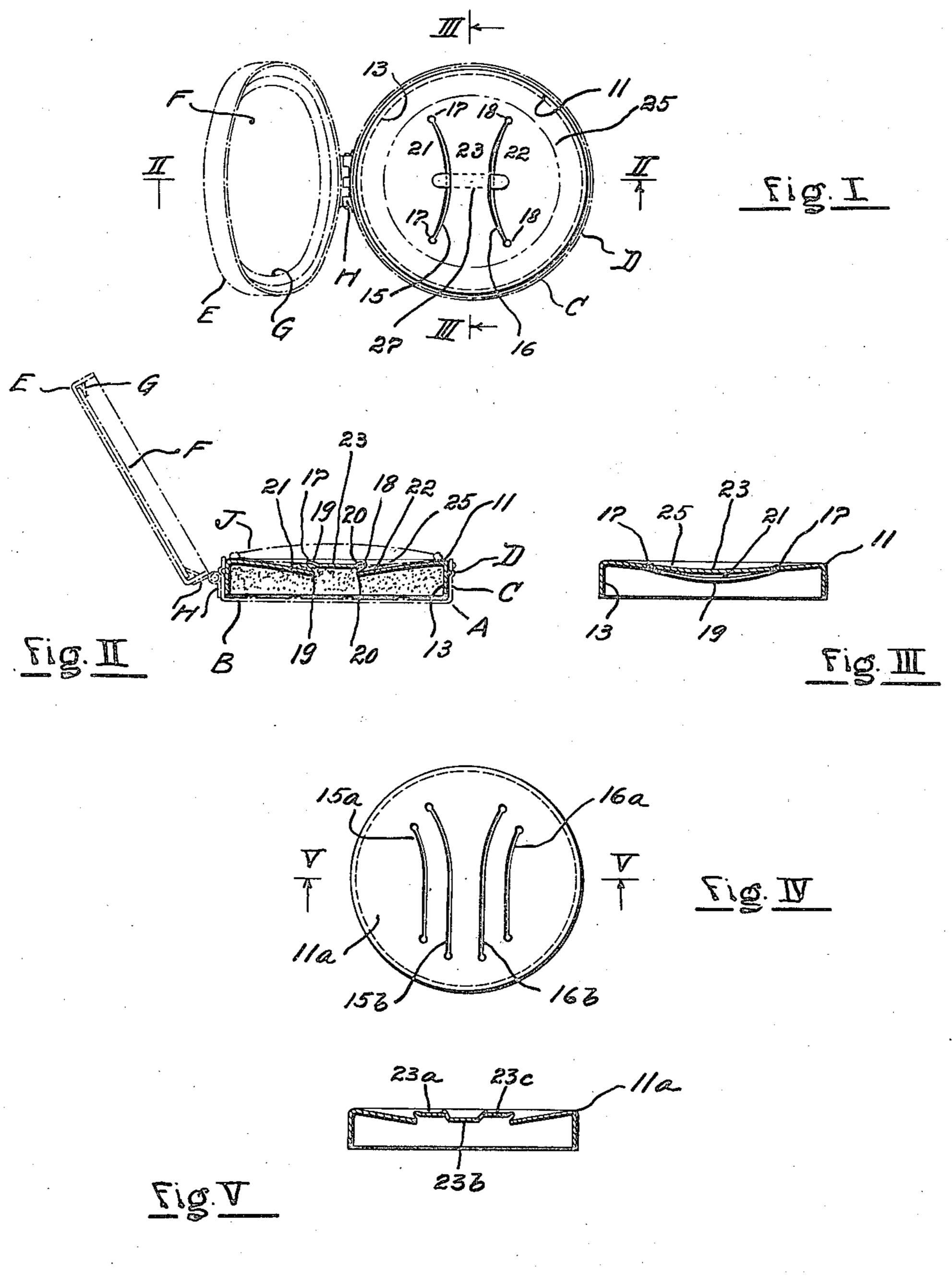
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DISPENSING RECEPTACLE

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By his Attorney
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STATES PATENT OFFICE.

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To all whom it may concern:

Be it known that I, EMIL SCHMIDT, a resi-can be easily manipulated. dent of Elmhurst, in the county of Queens An additional object is to furnish a con-5 tain new and useful Improvements in Dispensing Receptacles, of which the following

is a specification.

boxes or kindred containers adapted to hold which it is associated. 10 cosmetics, such as are commonly carried in A general object is to supply a container 15 with peculiarly-formed surface concavities well as easily maintained in working order;

to produce an improved container of the cost of manufacture. class described having an inner head or in- Other objects and advantages of the in- 70 20 ternal closure apertured in such a manner vention will become apparent as the specias will effectively prevent the powdered fication proceeds. substance to be dispensed therethrough from clogging the outlets for the same.

25 ner head or closure that the powdered sub- scribed in their preferred embodiments, 30 from which it originally exuded, whenever views. the latter is righted.

A further object is to provide a container 35 sealed by a removable element pressed thereupon through the agency of an external

cover member.

container head of the species mentioned, of position.

ing a portion intermediate of its delivery compassed by the said bottom and the apertures designed to constitute a conven- flanged cap thereabove. Centrally, the sur-

ient grip for the finger, whereby the head

and State of New York, have invented cer- tainer head of the kind referred to, which 55 admits of being quickly removed or replaced without paying any special attention to the place it should be given relative to the po-This invention generally relates to vanity sition then occupied by the receptacle with

a lady's handbag or worn on a chain; and it head of the sort indicated, which shall be especially pertains to a receptacle for toilet- composed of few, simple parts, of light but powder, intended to be applied by means of strong and durable construction; convenient a puff, overlying an inner head provided to manipulate and reliable in operation, as 65 and dispensing apertures. readily fitted to both new and already exist-Primarily, the invention has for its object ing receptacles; and amenable besides to low

With the aforesaid objects in view, the invention consists of the novel combinations Another object is so to form the said in- and arrangements of parts hereinafter de- 75 stance will tend normally to remain below pointed out in the subjoined claims, and ilthe top surface thereof, and in any event will lustrated on the annexed drawing, wherein easily find its way through the said aper- like parts are designated by the same reftures back into the body of the container erence characters throughout the several 80

Briefly described, the invention consists of an apertured head of improved type, cohead of the type aforesaid, the dispensing acting with the interior of a vanity box or apertures of which may be temporarily similar receptacle to retain therein or to dis- 85 pense therefrom, as the case may be, the pulverized substance previously stored in the same. The box, with its contents and ap-Still another object is the provision, in a purtenances, may be considered as a single article destined for use by itself alone, or 90 dispensing apertures so shaped and arranged it may be treated as only one part of a toilet that although they are covered by the said kit. In its preferred form, herein exempliremovable element, yet they will permit a fied, the said head is in the nature of a vacertain quantity of the powdered substance riantly or differentially depressed cap with a to flow out and lodge thereunder from the depending flange that engages the inner side 95 body of the receptacle, at such times as it is walls of the box, provided therewith, by a being shaken or tipped from a horizontal telescoping joint. The lower edge of the flange is arranged to rest upon the bottom of A still further object is the production of the box, so that the powdery contents therea container head of the nature set forth hav- of are incased entirely within the space en- 100

face of the cap is both depressed and slitted, in order to form a diametral bridge-piece affording a convenient fingerhold whenever it is desired to remove the head from the con-5 tainer or replace it therein. The slits are reversely curved from the centre outward on opposite sides of the bridge, and their previously meeting edges are respectively forced upward and downward, thereby 10 forming from each slit a pair of parting lips between which the pulverized substance in the container may freely flow out or in, angles to the previous one, that is, on the as the latter is tipped from one side to the line III—III of Fig. I, looking from right other. Due to their curvature and superpo-15 sition one above another, the lips exert a shearing action upon the substance as it flows either way therebetween, thus serving to keep it loose and uncompacted always. The portions of the cap's surface adjoining the 20 edges of the slits remote from the bridgepiece are made slightly concave and sloping down toward the centre of the container, to provide temporary receivers for the pulverized substance during its passage either 25 outward or inward through the said slits. Farther out, namely around its perimeter, the surface of the cap is depressed in a similar manner to constitute an annular strip inclined downward and centerward, the 30 chief function of which is to check the outflow or facilitate the retrogression of the stead of numerals as used to denote the pressubstance issued from the container and entimprovements, because the said parts are temporarily spread over either one of the not claimed as pertaining to the latter, exsaid receivers when they are canted or cept in so far as they may form therewith 35 tipped sidewise. This annular strip further legitimate combinations of elements capable 100 affords a bearing for the peripheral edge of vielding novel and useful results. of a powder-puff laid upon the surface of Of these reference letters, A denotes the the cap in position to be pressed thereagainst body part of a vanity box adapted to hold by the outer cover of the container. The a certain quantity of face-powder, which as 40 puff is forced into intimate contact with the well known in pharmaceutical establishments 103 bridge-piece and the annular strip, along its may consist simply of pulverized starch, middle portion and near its circumferential delicately scented with some choice perfume. edge respectively, but is less compacted The powder is poured into this box, and where it lodges in the concave receivers and rests directly upon the bottom thereof, indibetween the parted lips, with the result that cated by the letter B. From the bottom B, 110 while it stops free egress of the substance rises at or near its circumference the usual from the container, still it admits of being circular wall C, preferably formed integral charged with a moderate quantity of the therewith, of metal or other suitable matesame, sufficient for an ordinary application. rial, which may be more or less ornamented, The advantages of the invention as here in any desired manner.

outlined are best realized when all of its fea- Exteriorly surrounding the circular wall tures and instrumentalities are combined in C aforesaid is a circumambient beading D, the one and same structure, but, useful de- located at a predetermined distance below

55 the whole.

art to which the invention appertains, upon becoming conversant with the details thereof, that the same may be incorporated in several different constructions. The accompanying drawing, therefore, is submitted said cover E, and maintained permanently merely as showing the preferred exemplifi- in position therein by means of a retainer G, cation of the invention.

In the said drawing:—

proved head, showing it in position within a so-called vanity-box or face-powder receptacle, the outline of the latter being merely indicated by dots and dashes, and the external cover thereof appearing in perspective 70 at the left-hand side of the plan view;

Fig. II is a vertical transverse section on the line II—II of the preceding figure, looking upward in the direction of the ver-

tically pointed arrows;

Fig. III is a similar section taken at rightto left in the direction pointed out by the horizontally disposed arrows thereto apper-80 taining:

Fig. IV is a plan view akin to Fig. I, depicting a slightly modified construction of the improved head, removed from the con-

tainer; and

Fig. V is an upright section of this modified form of head, taken from the line V-V of Fig. IV, and likewise showing it detached.

Referring now to these several views, for 90 a detailed description of the invention thereby exemplified, it will be noted first that the known parts of the receptacle wherewith the said head is associated and coacts, have been designated by letters of reference, in- 95

vices may be produced embodying less than the upper edge thereof, as represented in Figs. I and II. The beading D, it will be 120 It will be obvious to those skilled in the observed, is designed to meet and coact with the downwardly projecting edge of a flanged cover E, provided as an outer closure

for the box A. A mirror F is set within the flange of the 125 of annular formation. The cover, with the mirror thus applied to the interior thereof, Figure I is a top plan view of this im- is connected by a hinge H to the exterior 130

face of the said wall C below the said beading, upon which the said edge of the cover

bears when the box is closed.

The numeral 11 designates an inner head or internal closure for the above-described box A, to which it may be removably fitted, as shown. The top part (11) of the said head is preferably dished or curved inwardly, as illustrated, for instance in Figs. II and 10 III. A rim or flange 13 depends from the box to reach its bottom. B. The inner face of the circular wall C of the box is engaged by the rim or flange 13, which is snugly head's surface, which is left intermediate of fitted to it interiorly in such a manner as to be guided thereby and caused to form a tight telescoping joint therewith. Thus constructed, the said head is in the nature of a flanged ing or replacing it, incidentally to filling or cap fitting the inside of the box, and consti- replenishing the receptacle with powder. By tuting with the bottom of the latter an inte-virtue of the concave-like formation of the rior receptacle for its powdery contents. said slits, that is, inasmuch as their respec-The lower edge of the rim or flange 13 is tive curves are bowed towards each other in-25 made to bear squarely upon the bottom B, wardly of the head's surface, the person and when pushed into contact therewith, it handling the head is enabled to obtain a betserves to locate the top part of the head or cap 11 in appropriate position relatively to bridge 23, between the nails of the thumb the same. The telescoping joint above re-30 ferred to is sufficiently tight, as will be understood, to prevent the powder from find- is taken hold of across its central portion. ing its way out of the box between the inner face of the wall C thereof and the said inner III, that the bridge 23 is given a depressed rim or flange 13, when the head or cap is curvature which is below that of the mar-35 properly fitted.

upper face of the head 11. As best seen in from according to a curve still lower than Fig. I, these slits are spaced apart, and that of the said bridge. Thus, it will be curved in opposite directions from the centre seen that the top part of the head or cap 11 outward, each terminating at both ends with is formed with differentially depressed cur- 105 orificial enlargements, respectively desig-vatures at right angles to one another. nated by the reference numerals 17 and 18. The outer sides of both the receivers 21 It will be observed, with particular refer- and 22, as well as the opposite extremities ence to Fig. II, that the adjoining edges of of the bridge-piece 23, merge into an an-45 the said slits are offset one from the other in nular field 25, which is uniformly dished 110 a plane parallel to the central axis of the and slightly inclined downwardly inward, head's surface 11, or substantially at right around the perimetral edge of the head's angles thereto, as represented at 19—19, surface, that is, in that portion, strip, or 20-20, in the latter-named figure, so that a stretch of the surface lying just beyond a longitudinally elongated and transversely circle drawn to enclose the before mentioned 115 contracted aperture or slot is formed be- enlargements 17, 18, of the slits 15, 16. tween the said edges. An extended opening A sealing element, preferably consisting of this nature has, in practice, been found to of a powder-puff J, is superimposed upon prevent arching or building up of the pow- the head or cap 11, with its edge overlying der across the edges offset in the manner re- the said annular field or surface strip 25. 120 cited. The choking or bridging of the pow- The puff J may be simply a wad of swan's der, which has always been detrimentally down, or of some similar flossy, loose texture, prevalent, with small-sized openings pre-

thereby entirely obviated.

Adjacent to, but exteriorly beyond the peculiar apertures resulting from the parting and offsetting of the opposite edges of the slits in the manner hereinabove stated, are formed temporary receivers 21 and 22, con-

viously employed in similar structures, is

sisting of depressed portions of the head's surface 11, inclined laterally and downwardly below the central part thereof. The powder coming up between the parted edges or lips bordering the said apertures, when 70 the box A is shaken sidewise, that is, in a transverse direction relatively to the slits 15, 16, lodges upon these receivers, and remains thereon accessible to the user, or until the receptacle is canted on either side to let it 75 perimetral edge of this top part, extending slide back under the said surface. It will be downwardly in the same direction as the noticed from Fig. I, that the receivers are curvature thereof, and far enough into the considerably larger in size and area than the slit-like apertures.

The aforementioned central part of the the oppositely curved slits constitutes a bridge-piece 23, providing a grip wherewith the head may be manipulated when removter grip than could be had otherwise on the and middle finger; that is, there is less liability of the fingers slipping, when the bridge wo

It will be noticed, regarding Figs. II and ginal edge of the head's surface 11, while 300 Slits 15 and 16 are formed in the top or the receivers 21 and 22 are indented there-

susceptible both of compression and dilatation. As will be readily perceived upon reference to Fig. II, the puff J. conforms to the 125 shape of the external cover E of the box A, so that when this cover is pressed down thereon. the puff forms a tightening medium which bars the egress of the powder out of its receptacle, through the slits 15, 16. Owing, 130

however, to the differential depressions in the head's surface, and the lighter compacting of the puff in the region next adjacent to the bridge 23, a small amount of the powo der can pass by or be shaken out of the said slits, and lodge on the receivers 21, 22 under the puff, in quantity just sufficient to constitute a charge for one application. But, if the box is tapped with the fingers from the 10 underside of the bottom B thereof, or on its outer cover E, or else thumped endwise against some hard object, while held in a horizontal position, the powder lying on the receivers 21, 22 will flow back through the

15 slits, into the space thereunder.

In the modified embodiment of the invention represented by Figs. IV and V, the head or cap 11a delineated therein is provided with double sets of slits, respectively 20 designated by the reference numerals 15a, 15^b, 16^a, and 16^b. The several slits here mentioned provide between them a plurality of bridges, as 23a, 23b, and 23c, which may be either straight or curved at option, or com-25 bine in themselves both of these formations. As shown in Fig. V, the three bridges named possess substantially the same characteristics as the single bridge forming part of the construction hereinbefore described and illustrated in Figs. I to III. It will be noted, nevertheless, that the central bridge 23b is receivers, as shown in Fig. V, than is the said surface. case in Figs. II and III.

is particularly adapted for use in conjunction with a powder receptacle of comparatively large dimensions. The previously described construction having one slit on each side of a central bridge-piece, producing op-45 positely located receivers, is better suited to a medium-sized receptacle. But, if the latter is of relatively small size, a single slit with one receiver will suffice. It is understood, altho the above mentioned slits have been 50 referred to in conjunction with the heads of powder boxes, no limitation is intended in that respect, as the same are applicable to containers holding other pulverized or gran-

ulated substances.

will be advisable to use a spacer in order to said surface above said slits at their outer 60 insure a free flow of the powder therebe-edges tween. Such a spacer, for example, may 23, as shown in Fig. I, the ends of the bar resting upon and being secured to the ad-65 joining edges of the receivers 21 and 22.

While certain preferred embodiments of this device have been shown and described, nevertheless changes in the form, arrangements, proportions, sizes and details thereof may be made, without departing from the 70 scope of the invention as defined by the appended claims.

Having described my invention what I desire to secure by Letters Patent and claim,

1s;—

1. A dispensing receptacle of the character described, including a head provided with a longitudinally extended, transversely contracted aperture the adjoining edges whereof are offset one from the other in a 80 plane at a substantially right angle to said head, and a receiver formed with the latter adjacent to the lower one of said edges adapted temporarily to hold matter issuing from the receptacle.

2. A dispensing receptacle of the character described, including a head provided with a slit extending transversely of its surface, and a receiver of larger size than said slits formed at one side thereof by a 90 gradual incline downward of said surface

from the perimeter of said head.

3. A dispensing receptacle of the character described, including a head provided with slits spaced apart on opposite sides of 95 a median line running across the surface situated in a lower plane than either of the thereof, and receivers of larger area than lateral bridges 23° and 23°. On account of said slits formed outwardly beyond the same this particular feature, the central bridge and having their inner edges respectively in 35 approaches nearer the level of the temporary gradually inclined downward relation to 100

4. A dispensing receptacle of the char-A head or cap of the character disclosed acter described, including a head provided in the modified construction above spoken of with slits for the passage of material therethru and extending transversely of its sur- 105 face, and a bridge formed intermediate of said slits substantially central of said surface so as to afford a manipulating grip for

said head.

5. A dispensing receptacle of the char- 110 acter described, including a head provided with slits forming opposite curves in its surface, a bridge produced out of the latter intermediate of said slits, and receivers likewise embodied in said surface at the outer 115 edges of the slits sloping downwardly by the sides of said bridge.

6. A dispensing receptacle of the character described, including a head provided In powder-boxes made of paper or other with slits transversely of its surface forming 120 fibrous material, wherein the slits are liable opposite curves centrally approaching each to become closed by reason of their opposite other, and a bridge-piece constituting a edges being forced against each other, it manipulating grip for said head rising from

7. A dispensing receptacle of the charconsist of a bar 27, inserted under the bridge acter described, including a head provided with a slit extending transversely of the surface thereof, said slit having its edges offset in the direction of the axis of said 130

head, and a concave receiver laterally in- mediate of the latter, said bridge having a coincide with the lower edge of the slit. receivers.

8. A dispensing receptacle of the character 13. A dispensing receptacle of the char-5 described, including a head provided with acter described, including a head provided slits.

9. A dispensing receptacle of the char14. A dispensing receptacle of the character described, including a head provided acter described, including a head provided 20 latter remaining below the opposite sides inclined field surrounding said receiver, and of said bridge.

10. A dispensing receptacle of the char- the same while permitting a certain amount 65 acter described, including a head provided of outflow thereunder from the slit. with transversely disposed slits in its sur- 15. A dispensing receptacle of the char-

to the same.

ly sloping receiver of larger size than said ferentially dished surfaces. slit formed at one edge of the latter out of 16. A dispensing receptacle of the char-

its surface, concave receivers inclined down-receptacle within which the head is fitted. wardly from said surface at the outer edges of said slits, and a concave bridge inter-

clined gradually to cause its free margin to differential curvature relative to that of said 45

transverse slits in its surface, the adjacent with transverse slits in its surface, curved edges of said slits being spaced apart in a receivers formed out of said surface sloping 50 plane of approximately right angles to said downwardly therefrom at the outer edges head, and a pair of concave receivers formed of said slits, a differentially curved bridge from said surface sloping downwardly to- intermediate of the latter, and an outer upwards each other the free margins of said re- wardly-inclined field into which said curved ceivers constituting the lower edges of the receivers and bridge become respectively 55 merged.

with transverse slits in its surface depressed with a slit extending transversely of the surat their outer edges, and a bridge formed face thereof, a receiver of larger area than 60 from the portion of said surface comprised said slit, sloping at the outer edge of the latter between said slits, said outer edges of the downwardly from said surface, an upwardly an element seated upon said field to cover

face depressed at their outer edges, and a acter described, including a head provided concave bridge intermediate of said edges with differentially dished surfaces and an having its opposite sides raised relatively annular flange depending from the perim- 70 eter of said head in the direction of the 11. A dispensing receptacle of the char- bottom of the receptacle, the head having acter described, including a head provided transverse slits located below the upper edge with a transverse slit in its surface gradual- of its perimeter intermediate of said dif-

said surface, and an inclined outer field acter described, including a head provided situated at a higher elevation extending up- with a dished surface having an elongated wardly beyond said receiver on the side aperture one edge whereof is disposed bethereof remote from said slit.

low the other to form parted lips, and a 80 12. A dispensing receptacle of the char- rim depending from the perimeter of said acter described, including a head provided head serving to locate said lips in proper with transversely disposed slits cut through relation with respect to the bottom of the

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