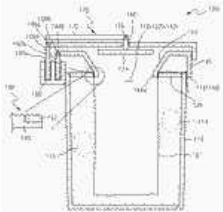
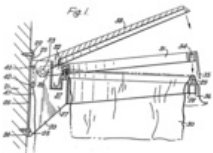
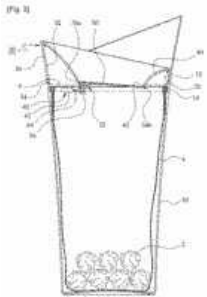
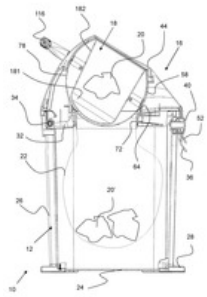
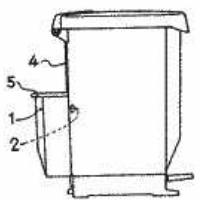
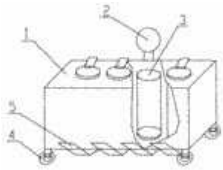
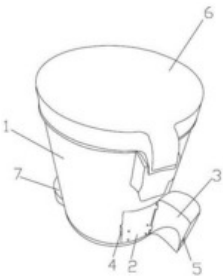
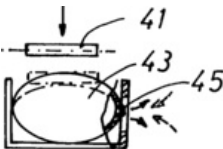
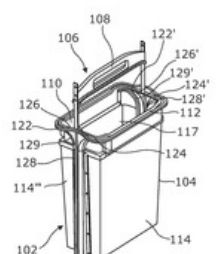
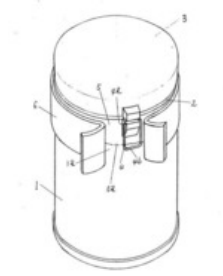
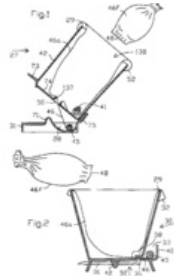
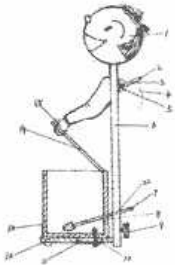
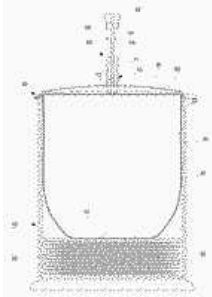
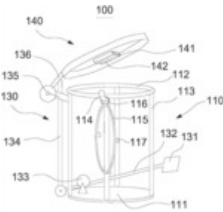
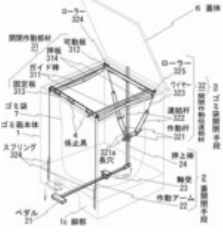
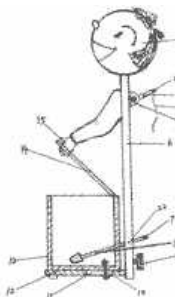
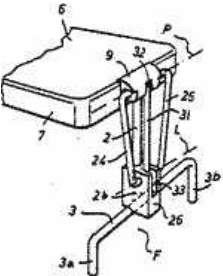
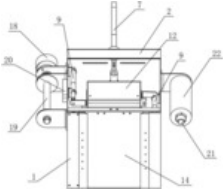
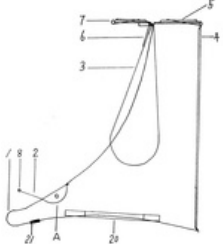
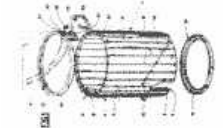
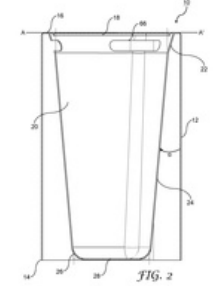
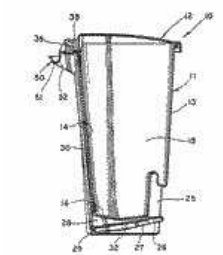


176 results for ((bag+ 5d (holder or hold+)))/TI/AB/CLMS AND (pedal)/TI/AB/TX AND (lid)/TI/AB/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (waste or garbage or refuse)/TI/AB/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX) - Collection: FAMPAT

#		Title	Publication number	Publ. date	Applicant/Assignee		
1.		Waste bin for using a standard garbage bag	KR20110010101	2011-10-26	People's Day		
This invention relates to a means of the debris into the bag holding a case, means of the trash bag is filled without touching the inner wall surface of the waste bag in the course of the natural expansion allowing th relates to a waste bin for trash bag. This invention relates to a lid and is opened and closed by a top, the bag is positioned inside the means of the outer cylinder and having a space, the outer cylinder is fixed on the outer envelope means of the center of the spacer by means of the bag when filled with waste, means of the outer envelope of the extension space formed inside by means of the waste in the bag for filling compressed to full, can be withdrawn for th waste bin is configured to provide a trash bag. According to the present invention relates to a trash bag bin for th waste bag can be filled so that, immediately after the filling device and a garbage conveniently collected and can be discharged as well as, easily crushed waste garbage volume can be greatly reduced by means of the envelopes and greatly reducing the amount of which can be used economically excellent effect is obtained.							
2.		Refuse bag holder and operating pedal	GB2046694	1980-11-19	TOP NOTCH PRODUCTS*		
A holder for refuse bags (30) comprises a bracket (20) attached to or integral with a bag supporting frame (28) having an edge (29) over which the edge of an open refuse bag may be secured, a clamping ring (31) shaped to fit over the said edge to secure the bag in position and pivoted to the bracket at a position (33) spaced above and rearwardly from the position (37) at which the bag supporting frame joins the bracket, and means (35) for securing the clamping ring to the bag supporting frame at a position on the opposite side of the clamping ring from the bracket. The clamping ring has the effect of transferring much of the load of the refuse bag away from the relatively weak point (37) to the much stronger position (33), to prevent bending of the bag supporting frame under the weight of the bag. The holder preferably includes a lid 38 which can be raised by operation of a pedal or opening of a cupboard door. <IMAGE>							
3.		Lid assembly and garbage can using the same	WO2008156307	2008-12-24	NURIINTERNAT*		
A lid assembly for use in a garbage can includes a cap having an inlet opening through which an object can be put. The lid assembly further includes a lid having an upper surface, a first end fixed to the cap through a hinge and a second end kept free. The lid is installed in the inlet opening of the cap in such a manner that the lid can be rotated about the hinge to open and close the inlet opening. The upper surface of the lid is brought into contact with an edge of the inlet opening of the cap in a non-loaded balanced state to close the inlet opening. The lid is rotated about the hinge by the weight of the object to open the inlet opening when the object is placed on the upper surface of the lid.							
4.		A refuse bag holder	GB8808727	1988-05-18	CONWAY JAMES PATRICK*		
5.		Waste device for refuse, particularly for diapers	NL2009408	2014-03-04	CTP INNOVATIONS* SEA TEE PEE INNOVATIONS BEE BUOY STP INNOVEJSHNS		
The present invention concerns a waste disposal device (10) comprising a container (12) having a bottom (24), a circumferential wall (26), and a cover (16) closing the container opening. The cover (16) comprises a drum housing (58) and a drum body (78) pivotally connected to the cover (16). The waste disposal device (10) further comprises a flexible sealing member (64) connected to the drum housing (58) having a sealing part that extends radially inward from the connection part and which may be brought into sealingly contact with the external surface of the drum body (78) for sealing the container opening in a substantially odor-free manner. According to the invention, the end of the flexible sealing member (64) that is remote from the connection part is free from any connection to the drum housing (58) such that a freely movable free end of the flexible sealing member (64) is formed.							
6.		Pedal action waste bin - has additional container to hold packet of empty waste bags attached to sidewall by large headed fixtures	ES1022296	1993-03-16	ARAVEN* ARAVEN S A		
The waste bin has a lid which is actuated by a pedal. It has a container (1) arranged on the exterior of one of its sidewalls, preferably at the rear (4). This container is used to hold a packet of empty waste bags. It has an open compartment with a rounded edge (5). The container carries at least one fixture (2) with a large attachment head. This is inserted into a corresponding elongated opening (3) which is located in the sidewall of the waste bin. ADVANTAGE - Allows empty waste bags to be stored in the same place that they are used.							

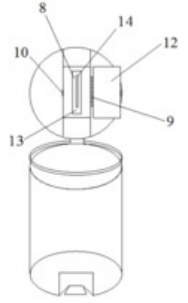
7.	Pedal medical garbage can	CN2937016	2007-08-22	JU YANHONG	The utility model relates to a pedal type garbage bin for medicinal purposes, which belongs to a medical appliance field. In order to overcome the shortcoming that the existing garbage bin for medicinal purpose exhausts both a time and a labor and increases a chance of the cross infection, the utility model provides a garbage bin with a pedal type cover-opening device for medicinal purposes, which is provided with a bin body, the top cover of the bin body is provided with a plurality of covers; each cover is connected to a pedal type cover-opening device; the inner of the bin body corresponding with each cover is provided respectively with a bin-shaped frame on which a garbage bag is fitted over. The underside of the garbage bin is provided with a plurality of road wheels. A contact of the cover in sequence with a hand contacting different pollutant sources can be avoided, which saves both the time and the labor and reduces the chance of a cross infection. The utility model is suitable for a separate collection of the garbage from a medical treatment in hospital.	
8.	Take disposal bag to hold garbage bin of box	CN205274335	2016-06-01	WANG CHUNPING	The utility model provides a take disposal bag to hold garbage bin of box, including the staving, staving lower part surface screw fixedly connected with stationary blade, stationary blade one side rotatable coupling holds box one side, the stationary blade opposite side is connected with the buckle, hold box opposite side be connected with with the ka gai of buckle looks block, hold and enclose into the space that the disposal bag can be placed to the confined behind box and the stationary blade block, the utility model discloses its simple structure is reliable, and convenient to use has effectively avoided the process of looking for the disposal bag in the use, has made things convenient for people daily life, has improved quality of life.	
9.	Flap lid of container has operating lever, opening mechanism, bellows-type damping element, pedal, pusher element, and stop-tab	DE19912563	2000-09-21	HAMMER LIT*	The pedal container lid has an operating lever, especially a pedal operated opening mechanism cooperating with a damping element in the form of a pressure-bellows damping the lid-flap's (7) closure movement against the rim (51). The pressure bellows is an ovoid hollow body made of rubber or rubbery plastic easily replaced. The opening mechanism has a swivel pedal near the ground and connected with a longitudinally movable pushing element (17) near the rear wall (9). The pusher element has a stop-tab (41) engaging with the damping element.	
10.	Waste receptacle	GB201510773	2015-08-05	JOSEPH JOSEPH*	This invention relates to a waste receptacle comprising a container having a means to connect a refuse bag within the container for holding waste items, and a compaction mechanism, the compaction mechanism comprising at least one compactor plate, moveable between a non-compacting position and a compacting position, wherein the at least one compactor plate is operable in use to move at least a portion of a connected refuse bag over waste items located within the refuse bag when moving from its non-compacting position to its compacting position and subsequently directly act upon an outer surface of the connected refuse bag to compact the waste items located therein.	
11.	Sink can hold a garbage bag	KR20090115629	2009-11-05	FUJI INDUSTRIES*	PURPOSE: A sink which can hang a food waste bag is provided, which can open and can close a bag without touch by the hand in throwing food waste. CONSTITUTION: A sink which can hang a food waste bag comprises a holder(1) which supports or opens and closes a bag in the outside of the sink(2); a pedal which can get tensile force or the power by pressing it; a cable which delivers the power or tensile force generated in the pedal to the holder; and a closing spring(4) which supports the holder to make the holder adhered to the sink when the sink is closed. A one-touch device is equipped in the pedal. One end of the holder is connected to the sink and the other end is connected to the cable positioned in the sink.	
12.	Garbage bag holding device in dust box	JP4853980	2011-11-04	KUSUMI HIROKO	PROBLEM TO BE SOLVED: To provide an attachable/detachable garbage bag holding device adapted to wide range of shapes and sizes of dust boxes, preventing a garbage bag in the dust box from displacing and slipping off and preventing garbage from dropping between the dust box and the garbage bag, even in the dust box with vibration in opening and closing such as a pedal type dust box with lid.SOLUTION: This device includes: a dust box body 1 having a garbage collecting mouth 2 on the top, and equipped with a lid 3; the garbage bag 5 fitted from the garbage collecting mouth 2 and folded back onto the outer circumference of the box body 1; a flexible belt body 6 wound around the outer circumference of the box body 1 so as to hold the circumferential edge of the garbage bag 5 having been folded back between the belt body 6 and the outer circumference of the box body 1; a belt-like magnet provided on the upper position of all over the length of the belt body 6; a plurality of magnet pieces provided on the position below the belt-like magnet at equal intervals and moving a small amount; and a connection portion attachably/detachably connecting both overlapping ends of the belt body 6, which has been wrapped around the outer circumference of the dust box body 1, to each other.	

13.	Waste receptacle and garbage bag holding device	US5881900	1999-03-16	ZAG*	The present invention relates to a waste receptacle. More particularly, the invention is concerned with providing a waste receptacle wherein a fresh plastic garbage bag appears therein automatically upon the removal for disposal of a full bag by providing waste receptacle including a hollow container having a length and a width and featuring a substantially elongated aperture, having an outer edge, formed in a lower surface of the container. The aperture also communicating with a cavity in the hollow container, as well as the cavity having an entry facing vertically. The device further includes a base unit situated beneath the container and having a recess formed in the base unit for situating a plurality of interconnected bags. 
14.	Cartoon figure model stand mounted on refuse bag holder	CN2464678	2001-12-12	CUI ZHIHUI	The utility model relates to a cartoon figure model stand mounted on a refuse bag holder. The front side of the person or animal cartoon figure model stand is provided with a container such as a box, a basket, a barrel, etc. used for containing plastic refuse bags. An arm-shaped upper limb of the model is hooked with two hanging rings of the plastic bags, and a shaft of the arm-shaped upper limb is provided with the rocker used for changing the strain direction through a rope and a fixing pulley and is connected with a foot pedal lever arm. The utility model has the advantages of convenient use of the refuse bags, no need of two persons to match for opening the bags when the refuse is arranged in the bags, no abnormal flavour indoors, sanitary and cleanness. After the refuse is arranged in the bag for each time, the opening of the bag is folded and closed, and hands are prevented from touching the refuse. 
15.	A compression garbage can	KR200308577	2003-03-28	Hong Jong-ra	According to the present invention relates to a waste bin is a squeeze, and a cylindrical outer tube, the outer cylinder rotatably coupled to the top of the lid, the outer cylinder is inserted into a cylinder and a squeeze formed in the bin, the lid so as to touch manner may be opened in the barrel opening and closing device installed on a lid, the lid is installed in the inner center of the pressing device for pressing the filled trash waste, the cavity formed in the bottom of the trash bag for holding garbage bag means of the storage means whereby, the refuse compaction device formed in a center of the lid of the gingival hole which passes through the push rod, the press rod installed on a press handle, the push rod installed at a bottom end pressing plate for pressing the waste, the push rod push rod is coupled to the outer surface of the elastic spring and imparting resilience, wherein the lid on the top surface of a fixed length protruding from the lower portion thereof and the push rods to pass therethrough but not the elastic spring is passed through the push rod and the path is formed on top of the fixed pin guide formed at the upper end of the vertical guide grooves and at least one horizontal guide groove on a cylindrical support member configured to push rod is characterized. 
16.	Refuse bag stand and medical combination formula refuse bag stand	CN207956692	2018-10-12	NANFANG HOSPITAL OF SOUTHERN MEDICAL UNIVERSITY*	The utility model relates to a medical implements field provides a refuse bag stand, establish the lid on the support body including support body and lid, the support body includes many spinal branches vaulting pole of bottom plate, support ring and vertical setting, and one end and the bottom plate of bracing piece are connected, and the other end and the support ring of bracing piece are connected, and the upper portion of bracing piece is provided with the pendant near the position of support ring, string is equipped with the elastic ring on the pendant, and the elastic ring is relaxing the size that size under the state is less than the support ring, and the elastic ring is greater than the size of support ring in the size of tightening tensile state. This refuse bag stand can make the disposal bag established of cover be difficult for the landing, has avoided the phenomenon that the support body makes dirty. The utility model also provides a medical combination formula refuse bag stand, including movable plate and two foretell refuse bag stand that differ in size, two refuse bag stand all set up on the movable plate, and the bottom of movable plate is provided with the universal wheel. The be convenient for classification of medical waste of this combination formula refuse bag stand, and on being fixed in the support body with the disposal bag. 
17.	Garbage box with garbage bag opening/closing means	JP2005132556	2005-05-26	Suzuki Kenzo; Shizuoka prefecture Mishima-shi, Midoricho 1 5-2 0	PROBLEM TO BE SOLVED: To provide a garbage box with a garbage bag opening/closing means enabling the opening of a cover body as well as the opening of a garbage bag by merely performing a foot pedal operation without touching by a hand and also making it hard for the rotten garbage odor to leak to the outside. SOLUTION: The garbage bag opening/closing means 3 for opening/closing the mouth of the garbage bag 7 for storing garbage is connected to the cover opening/closing means 2 of the garbage can with a pedal for opening/closing the cover body 6 by the pedal operation. The garbage bag opening/closing means 3 comprises an opening/closing operation member 31 having a pair of guide bars 311 installed on the upper surface part of a garbage box body 1, a movable plate 312 movable along the guide bars 311, a fixed plate 313 installed oppositely to the movable plate, and an inwardly bendable pressing plate 314 and an opening/closing operation transmission member 32 having a pair of operating levers 321 connected to the cover opening/closing means 2, a connecting lever 322 pivotally supported at one end thereof, a wire 323, a spring 324, and a plurality of rollers 325. COPYRIGHT: (C)2005,JPO&NCIPI 
18.	Cartoon figure-shaped garbage bag holding frame	CN1361052	2002-07-31	CUI ZHIHUI	The cartoon figure-shaped garbage bag holding frame includes one frame in the shape of cartoon figure and one case, basket, tub or other container for holding plastic bag. The frame has arm-like levers, which are used to hold the handles of plastic bag and are connected to pedal lever via rocker, rope and fixed pulley to change the direction of force. The present invention facilitate using garbage bag, and the garbage bag is easy to open can while garbage is filled and has folded mouth after garbage is filled. 

19.	Support for a rubbish and laundry bag , including a pivoting cover	IT8821580	1988-07-29	HAMMER LIT* HAMMERLIT 2950 LEER	The support for a rubbish and laundry bag has at least one pivoting upright (rods 24, 25) which is connected at its upper end to the cover 6 so that it can pivot, the lower pivoting upright end being mounted below the plane of the cover, on a pivoting bearing 26 also capable of being able to pivot on the support. ...<IMAGE>... 
20.	Full -automatic intelligent garbage cabinet	CN205931993	2017-02-08	LUO XUANGE	The utility model discloses a full -automatic intelligent garbage cabinet, the intelligent cabinet temperature adjusting device comprises a cabinet body, locate the lid of cabinet body top and locate the inner bag of the internal portion of cabinet, the internal lid switching device of having installed of cabinet, the rubbish compressing mechanism, the sealing of garbage bag device, rubbish push mechanism, trade the bagging apparatus, pneumatic control system and PLC controller, lid switching device, the rubbish compressing mechanism, the sealing of garbage bag device, rubbish push mechanism with trade the bagging apparatus and all be connected with pneumatic control system, pneumatic control system is connected with the PLC controller, the PLC controller passes through pneumatic control system control cover body switching device, the rubbish compressing mechanism, the sealing of garbage bag device, rubbish push mechanism with trade the bagging apparatus and carry out lid switching operation respectively, rubbish compression operation, the sealing of garbage bag operation, the rubbish propelling movement is operated and is traded the bag operation. This full -automatic intelligent garbage cabinet can realize lid switching, rubbish compression, sealing of garbage bag, rubbish propelling movement and trade the full automatization operation of bag operation. 
21.	Environmental-friendly energy-saving garbage bag support	CN103129874	2013-06-05	PENG YUSHUANG	The invention provides a streamline integral support, and a pedal swing support swings on the integral support. Two inner horizontal beams and two outer horizontal beams are respectively arranged at the upper ends of the two supports. A support bag is arranged on the two inner horizontal beams. A support bag head on the horizontal beams of the large streamline integral support is fixed through an adhesive buckle. A support bag head on the horizontal beams of the pedal swing support is fixed through a pull ring and can move in a magnifying and reducing mode, and the effect that the size of the support bag can be adjusted according to the size of a garbage bag can be achieved. The outer horizontal beams at the upper end of the integral support and the upper end of the pedal swing support are used for placing a spring clamp which is used for clamping the opening edge of the garbage bag. A water receiving tray is arranged on the bottom portion of the integral support can be used for placing cigarette ends. The bottom end of the integral support can be dismantled, and conveying is convenient. 
22.	Bucket type waste container - is made from row of shaped slats with shaped ring elements to lock top and bottom and fitted with lid movable by foot pedal	DE8012284	1980-08-14	MELICONI, LORIS, BOLOGNA, IT	Waste bucket type container made from assembled elements made up into a cylindrical body in which a basket or bag holding the waste is inserted. The waste bucket is fitted with a lid operated by foot pressure through a lever-rod system. The side wall of the container consists of a row of slats positioned next to each other and there is an intermediate space on both the upper and the lower edge extending over the whole of the edges, with the side wall being made stable and closed off by a first element which is fitted with a circular projection all round and which is inserted into the intermediate space positioned at the upper edge. A similar element is also fitted to the lower edge of the container. 
23.	Receptacle and its method of manufacture	GB201520100	2015-12-30	PHILBIN PRODUCTS*	The present invention relates to a receptacle (10) comprising an outer body (12), one end of the outer body (12) forming a base (14), the other end of the outer body (12) forming a rim (16) extending inwardly from the periphery of the outer body (12), and at least one inner waste containing compartment (20) extending inwardly and downwardly from the rim (16), wherein the outer body (12), rim (16) and the at least one inner waste containing compartment (20) being integrally formed. 
24.	Step-on wastebasket	GB9013695	1990-08-08	RUBBERMAID*	A wastebasket (10) includes a base portion (11) with an open upper end and a cover (12) pivotally attached thereto. A lever (27) is pivotally attached to the base portion (11) and carries a link arm (30) near one end thereof so that pivoting the lever (27) moves the link arm (30) upwardly and downwardly. A pin member (35) is carried by the upper end of the link arm (30) and is received in a track (39) carried by the cover (12) through an access opening (40) positioned above the pin member (35) when the cover (12) is closed on the base portion (11). The pivotal movement of the cover (12) is limited by a handle (50) which extends rearwardly from the base portion (11) to a further extent than the cover (12) when it is fully open thus preventing the cover (12) from contacting any surface which might be adjacent to the handle (50). When used with a plastic liner (53), the liner (53) may be draped over the upper open edge of the base portion (11). Fins (54) carried by the cover (12) travel in trackways (18) located at the upper edge of base portion (11) during the pivotal movement of the cover (12) to push the liner (53) away from the track (39) and pin member (35) so that the liner (53) does not interfere with the operation thereof. 

25. [Garbage can with garbage bag storage box](#) CN105730922 2016-07-06 [JIANG ZILONG](#)

The invention provides a **garbage can** with a **garbage bag** storage box. The **garbage bag** storage box is detachably arranged in the hollow part in a cover of the **garbage can**, and is provided with a top cover which is opened towards the outer side of the cover of the **garbage can**, one side of the top cover is connected with the top end of the side wall of the storage box through a first hinge, a first buckle is arranged at the front end of the top cover of the **garbage bag** storage box, a **garbage bag** outlet which opens longitudinally is arranged at the bottom of the storage box, the width of the **garbage bag** outlet is one forth to one third of that of the **garbage bag** storage box, the **garbage bag** outlet is blocked by an elastic material and is provided with a slit in the middle, a bottom cover of the storage box, which is opened towards the inner side of the **garbage can**, is arranged at the bottom of the storage box, one side of the bottom cover of the storage box is connected with the bottom end of the side wall of the storage box through a second hinge, a second buckle is arranged at one side, opposite to the second hinge, of the bottom cover of the storage box, and a fixed ring which is arranged at the lower end of the cover is connected with the opening of the bottom cover of the storage box through a connecting rod. According to the scheme, the steps of replacing a **garbage bag** are reduced, and unused **garbage bags** are prevented from pollution when the **garbage bag** is replaced conveniently.



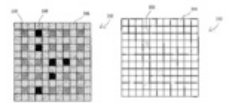
26. [Novel intelligent domestic garbage can with automatic bag replacing function](#) CN106829253 2017-06-13 [TIANJIN PULUOXIAN TECHNOLOGY*](#)

The invention discloses a novel intelligent domestic **garbage can** with an automatic **bag** replacing function, and relates to the field of smart home appliances. A **garbage bag holder** is mounted inside the lower end of a can body. The lower end of the can body is connected with a fixing base. The can body and the fixing base are buckled in a rotating mode. **Pedal** plates are symmetrically arranged on the two side faces of the lower end of the can body. The upper end of the can body is sleeved with a neck strap. A bundling device is mounted on the neck strap. A can cover is arranged on the neck strap. One end of the can cover is fixed to the inner side wall of the neck strap through a connecting piece. A lifting handle is arranged on the can cover. The **garbage** storage problem is solved through the novel intelligent domestic **garbage can**, the redundant portion of a **bag** body on a **garbage bag** can further be fixed, and accordingly the **bag** body is prevented from sliding downwards into the can; and by adoption of the double-pedal-plate structure design, the situation that the can body is lifted up or turned over along with pulling of the excessively full **garbage bag** can be prevented, the **garbage bag** fully loaded with **garbage** can be fast sealed, and use demands of modern people can be met.



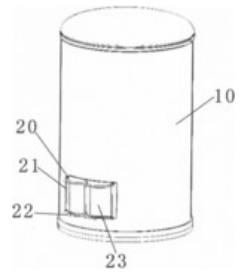
27. [Garbage container with compressing device](#) CN2552866 2003-05-28 [MACRONIX INTERNATIONAL*](#)

A **garbage** container with a compress device includes a first cylinder (1) having a first receiving space (11) defined therein. A compress plate (5) is reciprocally and movably received in the first cylinder (1) for compressing the **garbage** in the **garbage** container. A cover (4) is pivotally mounted on a top portion of the first cylinder (1). The cover (4) has an opening (41) defined therein and communicating with the first receiving space (11) in the first cylinder (1). The cover (4) includes a seat (42) attached to the bottom of the cover (4) having an opening corresponding to the opening (41) in the cover (4). The opening (41) in the cover (4) allows a user's foot extending into the **garbage** container to step the compress plate (5) for compressing **garbage**. A restituting device (6) is mounted in the seat (42) for providing a restitution force to the compress plate (5) after compressing the **garbage** in the **garbage** container.



28. [Can deposit garbage bin of disposal bag](#) CN205470909 2016-08-17 [TAIZHOU SHUNING LIVING ARTICLES*](#)

The utility model provides a can deposit **garbage** bin of disposal **bag**, include: **garbage** bin, disposal **bag** hold the device, the **garbage** bin includes bung, ladle body, the ladle body lower extreme is installed on the base, ladle body one side is equipped with the disposal **bag** and holds the device, the bung through last hinge, down the hinge mount be equipped with interior bucket in the ladle body at ladle body upper end opening part, be connected with the pull rod on going up the hinge, go up the hinge and pass through the pull rod and connect in the running -board, thereby the running -board go up the hinge through pull rod control and remove opening and shutting of control bung, be equipped with the buffer down in the hinge, the buffer includes atmospheric pressure buffer, buffer cover, spring, and the plectrum is installed to buffer one side, and the plectrum extends to down the outside of hinge. The utility model discloses ladle body outside design has the part that can deposit the disposal **bag**, and this part has a multiple outward appearance form of expression, like fig. 2 - 4, the various ladle bodies of different appearances cooperations, not only beautifully but also convenient.



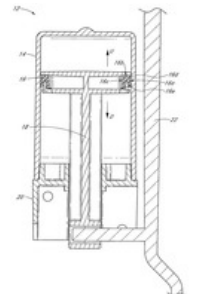
29. [Refuse collection receptacle](#) DE20019656 2001-04-12 [JENSEN REBECCA*](#)

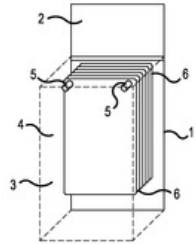
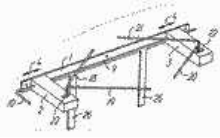
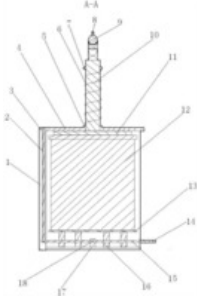
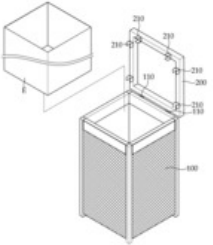
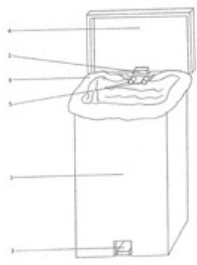
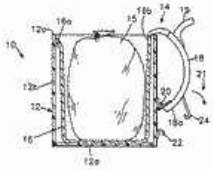
The **bag holder** has an upper **holding** frame (4), over which the **bag** is hung before being clamped in position by a clamping ring (3) on a hinge (2). The **bag** can be closed without contact with its contents for removal. A foot **pedal** (8) is used to open the **lid** (1) of the rack so that the **bag** can also be filled without contact with the **refuse**.

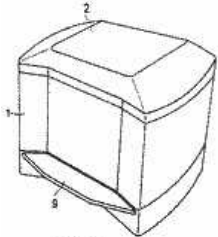
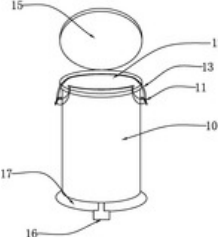
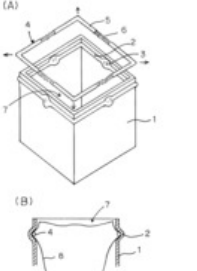
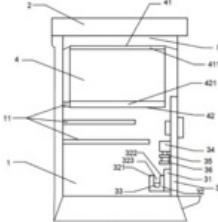
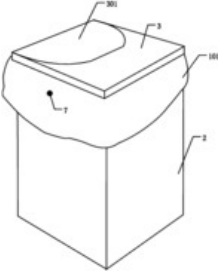


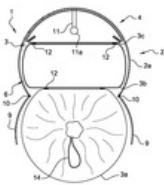
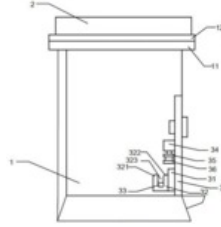
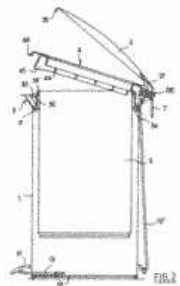
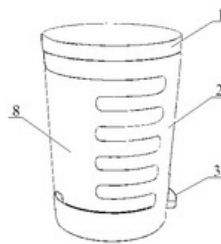
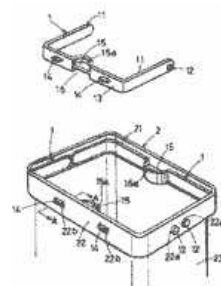
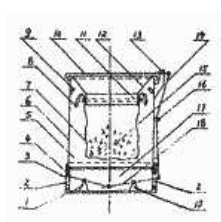
30. [Receptacle assembly with motion damper near lid portion](#) CA2842987 2014-09-01 [SIMPLEHUMAN*](#)

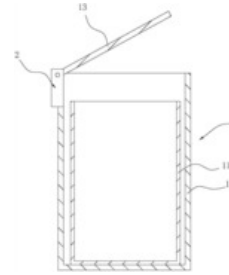
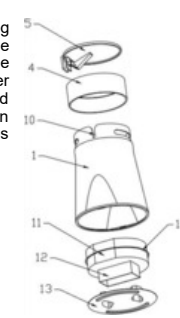
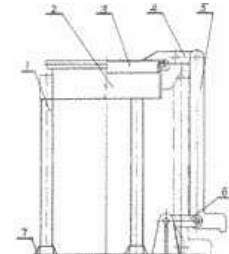
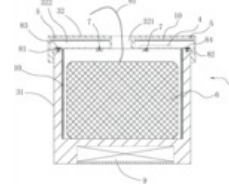
A receptacle assembly (2) including a body portion (5), a **lid** portion (4), a **pedal** portion (3), a rod (22), and a motion damper (12). The body portion (5) includes an upper portion (6) and a base portion (30) and defines an interior space (13). The **lid** portion (4) is movably engaged with the body portion (5) and is configured to move between an open position and a closed position. The **pedal** portion (3) is configured to move the **lid** portion (4) between the open position and the closed position. The rod (22) extends between the **lid** portion (4) and the **pedal** portion (3). The rod (22) interfaces with the motion damper (12). The motion damper (12) is positioned near the **lid** portion (4) and is configured to dampen motion of the rod (22).

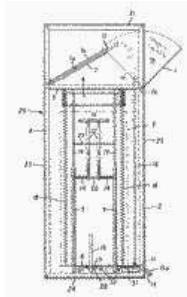
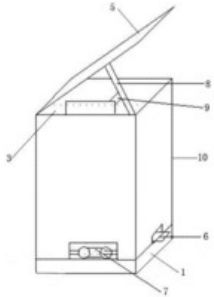
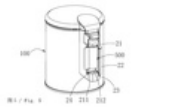
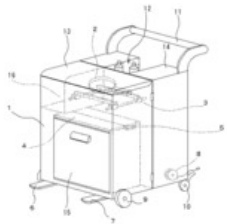
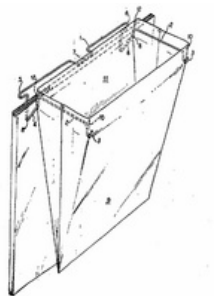
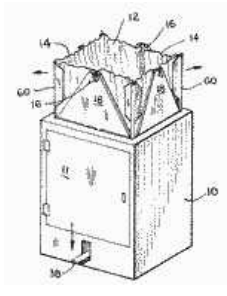


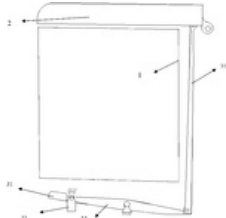
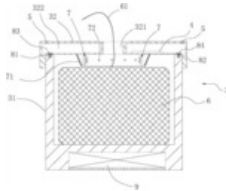
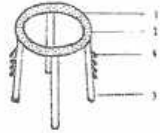
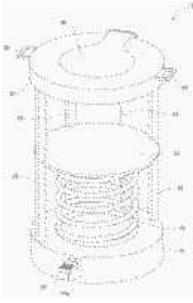
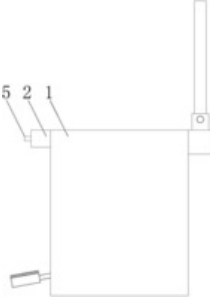
31.	Trash receptacle garbage bag dispenser	US20160001973	2016-01-07	RDC SYSTEMS*
A trash receptacle capable of receiving and dispensing garbage bags. The receptacle may include a compartment enclosed by walls of the trash receptacle, the compartment being the enclosure for receiving trash, two parallel and planar horizontal bars or rods within the compartment, with the bars or rods being structurally configured to receive and dispense garbage bags. The receptacle may also have a lid over the compartment, the lid providing access into the compartment.				
32.	A suspension rack for bags and sacks, in particular refuse disposal bags for domestic purposes	DK374781	1983-02-25	STOBBE JENS* STOBBE JENS M D
In a rack particularly intended for suspending refuse disposal bags and having a circumferentially discontinuous carrier of variable size designed to retaining and stretching the top or mouth portion of the bag, said carrier comprises opposite, scissorslike holders (18, 19 and 20, 21) capable of distending the bag mouth both in an open position, substantially in rhomboid shape, and in a closed, assembled or collapsed position, thereby saving a cover for covering the bag between the fillings. The holders are preferably mounted in a pair of brackets (2, 3) having an adjustable spacing so that the rack may be used for bags and sacks of considerably varying mouth sizes.				
33.	Garbage can	CN108609328	2018-10-02	GUIZHOU QUANXING RING INDUSTRY DEVELOPMENT*
The invention discloses a garbage can. The garbage can comprises a can body (1), a linkage rod (2), a movable pin, a cover (4), a handle (8), an inner can (12), a pedal plate (14), a lever (15) and a lever seat (17). The garbage can is characterized in that a spring seat A (5) and a slide rod (6) are installed on a baffle cover (4); a spring seat B (7) is installed on the slide rod (6); a spring (10) is installed outside the slide rod (6); a handgrip (9) is installed on the slide rod (6); and a press plate (11) is installed below the slide rod (6). The garbage can disclosed by the invention is capable of holding much garbage, thereby saving convenient bags and reducing environment pollution; and the garbage can is simple in structure, low in cost, convenient and practical, and capable of meeting the needs of popularization and use of the existing garbage can.				
34.	Outdoor garbage bin	KR20170003276	2017-09-21	POSEIDO*
This invention relates to a trash into the trash bag to the body and the inlet portion folded outwardly across the inlet to the outside of the body and then, the fixing frame to rotate in response to the press body and between the fixed frame for securing a trash bag can be configured so that, in spite of the simple structure is easily and quickly securing a trash bag in a safe and convenient for garbage can be collected in a trash bag, a holding frame in accordance with the rotation of the waste collecting trash bag can be easily removed and discarded to make. In particular, the present invention relates to a right fixed frame""u.s.c. produced by the cross sectional shape and an elastic piece is mounted, the rim of the body portion is sandwiched between the exit or it may be constructed so, is simple in structure and can be manufactured easily and quickly as well as rotation of the fixed frame by anyone to easily simple operation for a trash bag securing a trash bag securing the minus or can be used conveniently. In addition, the present invention comprises a fixed frame in such a way can be hinged lid is further configured so that, in a rainy or snowy even when the garbage bag of the eye or ratio and does not enter into a trash bag in a membrane or unpleasant odor is not rot or comfort to the surrounding environment to make the composition.				
35.	Refuse container with means to secure internal bag liner to avoid interference with lid opening mechanism	US20180362251	2018-12-20	RANDALL DAVID AWREY
An apparatus including a vessel open at the upper end to contain refuse or other material within an internal sack or bag type liner that the vessel holds open at the top. A lid that covers the opening to the vessel to conceal its contents with a lifting mechanism to open the lid in hands-free manner. A tab, flange, or other feature within the vessel to prevent the lining sack from coming into contact with and interfering with the function of the lid and its lifting mechanism.				
36.	Self-ejecting garbage receptacle	US5316170	1994-05-31	BROWN; RITA CORLETTE
A self-ejecting garbage receptacle includes a container body for holding a garbage bag containing refuse, the container body having a bottom and a side wall enclosure with an open upper end, the side wall enclosure being connected with the bottom; a belt draped in the container body for normally supporting the bag in a lowered position in the container body, the belt having first and second opposite ends, with the first end being fixed to the side wall enclosure adjacent the open upper end; and a jug handle-shaped ejector handle for raising the belt, the ejector handle being connected with the second opposite end of the belt and being pivotally connected at one end thereof to an external surface of the container body; a hinge for pivotally connecting the ejector handle to the container body; a hook on an external surface of the container body; and a latch on the ejector handle for engaging with the hook to hold the belt in a raised position.				

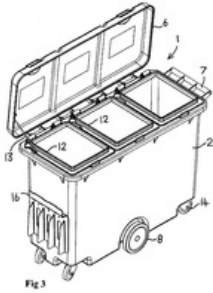
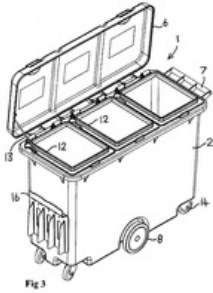
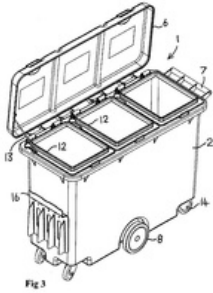
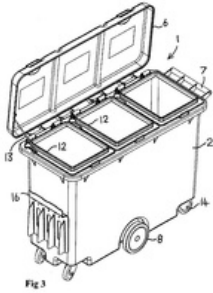
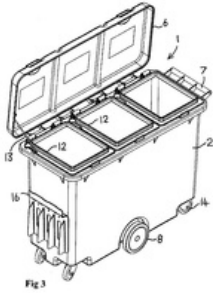
37.	Hinged-lid waste bin	DE4340705	1995-06-01	LEIFHEIT*	There is a frame (5,10) on the outer housing (1) for hanging strip holders (3) which are used to support flexible insert containers (4) which can have concertina-type folds. The strip holders preferably have guide hooks on each side for fitting on the frame. The strip holders can have clamping devices to hold waste bags. The frame has angular slots (11) on both sides for securely holding the strip holder. A base plate of the strip has a retaining web in the middle which protrudes on each side and is recessed in this area by the wall thickness of the frame.	 FIG 1
38.	Garbage can device with recyclable garbage bag	CN104443930	2015-03-25	ZHONGSHAN TORCH DEVELOPMENT ZONE WEIQI HARDWARE FACTORY*	The invention discloses a garbage can device with a recyclable garbage bag. The garbage can device with the recyclable garbage bag comprises a can body for containing the garbage bag, the garbage bag for containing garbage, lifting handles for facilitating carrying and fixing the garbage bag, and lug hooks fixing the lifting handles, wherein the garbage bag is sleeved with the can body; the lug hooks are arranged on the two sides of the upper end of the outer surface of the can body; the lifting handles preventing the mouth of the garbage bag from sliding off are bent towards the outer side of the can body and hung on the lug hooks. The lifting handles are arranged on the garbage bag, the garbage can is provided with the lug hooks, the lifting handles are hung on the lug hooks, and therefore the mouth of the garbage bag will not slide into the garbage can. Meanwhile, the garbage bag is recyclable, and garbage is poured conveniently by arrangement of a handle at the bottom, so that the garbage bag is more convenient to recycle. The garbage can device with the recyclable garbage bag is simple in structure, clean and environmentally friendly, and is a novel garbage containing device.	
39.	Garbage box and garbage bag catcher for use therein	JP2006282358	2006-10-19	FUKUDA TAKAO	PROBLEM TO BE SOLVED: To provide a garbage box possible to be piled even in the case of a garbage box using a garbage bag catcher. SOLUTION: The garbage box 1 is formed with a ring-like groove 2, into which a garbage bag catcher 4 is to be inserted for lock along an opening part 7 of the garbage box 1, inside or outside or in the top surface near the opening part 7 of the garbage box 1. With this structure, even in the case of using the garbage bag 8 by surely locking/holding an upper edge of the garbage bag 8 with the garbage box 1, the garbage bag catcher 4 is housed inside the ring-like groove 2, and the garbage boxes 1 can be easily piled directly or through a garbage throw-in framework to cope with sorting out of various kinds of garbage. COPYRIGHT: (C)2007,JPO&INPIT	
40.	Waste collector with a support frame and a cover frame	DE202012100440	2013-07-04	HAILO WERK RUDOLF LOH*	Waste collector, comprising a housing (1) having an opening at least on one side, a support frame (2) for refuse bags, the aperture (1) being indirectly is removably fitted to an edge cover frame (3), and wherein, the cover is mounted on the frame (2) and the frame (3) cover releasably holding (2) a gap between the frame (3) and the frame (2) structure of the housing (1) cover and waste collector.	
41.	Garbage can for facilitating packaging and replacing bag	CN105644993	2016-06-08	ZHEJIANG ZHIYUAN OFFICE EQUIPMENT MANUFACTURING*	The invention discloses a garbage can for facilitating packaging and replacing a bag. The garbage can comprises a can body, a can cover, a long-cylinder-shaped garbage bag, a garbage bag attaching device, a garbage bag sealing device and a garbage bag cutting device, wherein the can body is provided with a movable door, the garbage bag attaching device is arranged in the can body; the garbage bag sealing device is used for carrying out packaging operation; the garbage bag cutting device is used for carrying out cutting operation; and the can body is provided with inner walking edges for supporting and holding the garbage bag attaching device. The garbage can is simple in structure, convenient to use, capable of preventing peculiar smells from diffusing and convenient to clean; the garbage bag is directly attached to the garbage bag attaching device so as to be used while being pulled; and meanwhile the garbage bag is separated and packaged through the coordination of the garbage bag attaching device, the garbage bag sealing device and the garbage bag cutting device, so that the garbage can is efficient, environment-friendly, convenient, high in speed, good in user experience and suitable for wide popularization and application.	
42.	Garbage bin convenient to change disposal bag	CN204624440	2015-09-09	Chou Le;GU YU;HU SHIJIE;ZHANG YIGUANG	The utility model discloses a garbage bin convenient to change disposal bag, part and outer staving change the outfit in including, the interior parts that change the outfit include coils into a cylindric disposal bag piece and a main box body that holds the disposal bag piece, the disposal bag piece has a plurality of independences and the continuous bag body, is provided with a tear line between the adjacent bag body, the side of main box body also is equipped with an outlet that is used for drawing the disposal bag piece bag body foremost, outer staving is used for set bagging -off body, the inside cavity of outer staving, upper end opening, the interior fitting up that changes the outfit is inside outer staving, and the outlet moves towards the opening of outer staving. The bag body directly is drawn to the outlet of parts of changing the outfit in from, and bag body opening cover just can regard as the garbage bin to use at the opening part of outer staving, fill rubbish in the bag body after, when proposing to be equipped with the bag body of rubbish, move the continuous bag body of the next one opening part of outer staving to, tear the bag of filling rubbish along the tear line and personally experience sth. Part of the body, overlap bag personally experiencing sth. Part of the body of next connection once more outside on the staving, so relapse, very convenient and practical.	

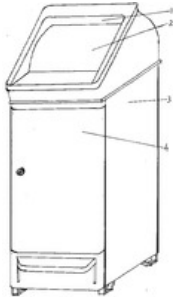
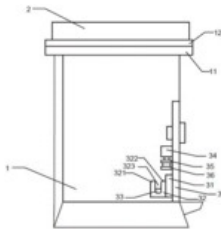
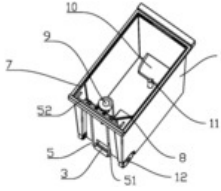
43.	Receiving set of waste , structure for receiving bags has waste , and recharging of bags has waste	FR3021962	2015-12-11	THOMAS FABIEN	
Receiving assembly waste comprising (1) a structure (2) shaped, on the one hand, to receive a waste bag (3) having a top opening and ensure that it is held in the open position and vertical, and, on the other hand, to allow a lateral extraction of said waste bag (3). According to the invention, the assembly (1) comprises a refill refuse bag (4) held in vertical position on a support (11), said refill (4) comprises at least two bags (3) closed and superimposed, each bag (3) has a front wall and a rear wall, and the rear wall of a bag is adhered to the front wall of the next bag.					
44.	Garbage can with convenient bag change function	CN105691988	2016-06-22	ZHEJIANG ZHIYUAN OFFICE EQUIPMENT MANUFACTURING*	
The invention discloses a garbage can with a convenient bag change function. The garbage can comprises a garbage body, a garbage cover, a long cylinder type garbage bag, a garbage bag holding device, a garbage bag sealing device and a garbage bag slitting device, wherein a movable door is arranged on the garbage body; the garbage bag holding device is arranged on the garbage body; the garbage bag sealing device is used for carrying out a sealing operation; and the garbage bag slitting device is used for carrying out a cutting operation. The garbage can is simple in structure and convenient to use; by adopting an enclosed design, the touch of children can be avoided, the peculiar smell diffusion can be prevented and the cleaning is convenient; through a simple and easy pulling operation, the garbage bag can be changed; and the garbage bag sealing device and the garbage bag slitting device are used for sealing and separating the garbage bag; therefore the garbage can is efficient, environment-friendly, convenient, rapid, favorable in user experience and suitable for widespread popularization and application.					
45.	Refuse container for receiving a waste collecting flexible bag	FR2811307	2002-01-11	SKIS ROSSIGNOL*	
The waste bin comprises an outer container (1) and an internal bin (5), into which the bin liner fits. A sleeve (3) fits on the top of the outer container and is held in place by the rim (50) of the internal bin. The top edge of the liner is fitted over the rim of the internal bin and is held in a trough (30) in the sleeve by a collar (40) which fits over it.					
46.	Environment-friendly garbage can	CN202784482	2013-03-13	JINGDEZHEN CERAMICS INSTITUTE*	
The utility model relates to an environment-friendly garbage can which is composed of a can cover (1), a can body (2), a foot treadle (3) and a garbage bag gripper (4). The can cover (1) is covered on the can body (2) and hinged with one side of the can body (2). The garbage bag gripper (4) is arranged in the can body (2), and the foot treadle (3) is arranged on the lower portion of one side of the can body (2). According to the environment-friendly garbage can, a garbage bag mouth is tucked through the gripper so that direct contact between a person and garbage is effectively avoided. At the same time, the process of the sealing of the garbage bag mouth is finished in the garbage can in a sealed mode so that the garbage can is not necessary to be moved or opened. Therefore, the problem of secondary pollution to environment is solved, and the environment-friendly protection garbage can is broad in market prospect.					
47.	Refuse bag fixing member for refuse container	JP08002602	1996-01-09	SEKISUI CHEMICAL*	
PURPOSE:To easily fix the opening part of a refuse bag by, in a refuse bag fixing member to keep polyvinyl bag in a refuse container in an opened state, providing an about arch-shaped fixing member along the about half part of the inner peripheral edge of the opening part of the refuse container, and providing the fixing member so as to elastically deformable in the inward direction of an arch. CONSTITUTION:A fixing member 1 has an about U-shaped section, and bosses 12, 12 are severally provided on the tip outsides of both U-shaped lateral pieces 11, 11. In addition, engaging projections 14, 14 are provided on the outside of a U-shaped longitudinal piece part 13, and recesses 15, 15 are provided in a central part. Each fixing member 1 is rotatably attached to a dust container 2 by fitting its boss 12 in bearing hole 22a. In attaching a dust bag, the peripheral edge of the opening part of the refuse bag is insertedly held between the fixing member 1 and the peripheral wall 22 of the refuse container 2, and the engaging projection 14 is engaged in an engaging hole 22b to hold the refuse bag, and a finger is put on a locking part 15a to elastically deform the longitudinal piece part 13 inward for releasing the engagement between the projection 14 and the hole 22b, and thus the refuse bag can be taken out.					
48.	Domestic bag and bucket combined rubbish collecting implement	CN2187922	1995-01-25	LIU JUEBIN	
The utility model relates to a domestic rubbish collecting implement, the utility model adopts the valid combination of a one-time use soft rubbish bag (7) and a rubbish bucket base (5) with a bucket cover (10), the utility model is provided with a funnel (12) to help to load the rubbish (15) in the rubbish bag (7) which is hung in the rubbish bucket base (5), and the utility model is also provided with a pedal cover opening device (17). The device has convenient operation, sanitation and beauty, and various artistic designs can be adopted as the appearance decoration of the device, causing an indoor garbage collecting implement to adapt to the requirement of modern indoor decoration better. The utility model can be used for collecting the rubbish at various indoor places, such as a household, a hotel, an office, etc.					

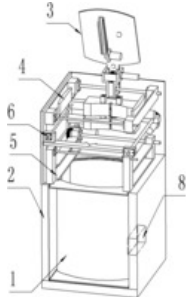
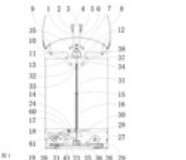
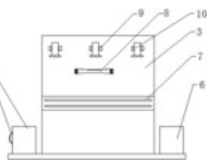
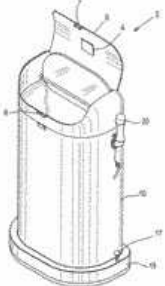
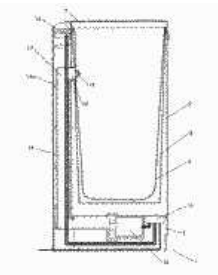
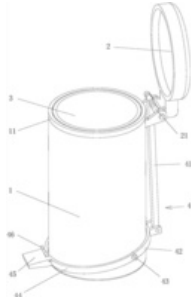
49.	Handy bag holder	CN2108075	1992-06-24	GUO WENSHI
The utility model relates to a handy bag holder which is composed of an upper cover, a pressing ring, a garbage throwing mouth, a support, etc. Waste plastic handy bags or other soft bags are supported by the tapered pressing ring. Garbage can be thrown in a handy bag like an opening of a garbage can. After the handy bag is filled with garbage, the handy bag can be taken away omnivorously to be thrown into a garbage can. The utility model has the characteristics of simple structure, material saving, waste utilization, time saving, force saving, etc. The utility model can avoid secondary blowing dust pollution and is the improvement of municipal sanitary. The utility model can be used in families, units and public places. In addition, the handy bag can be used for supporting mouths of bulk food bags in trade industry.				
				
50.	Garbage bin control system that uncaps based on infrared induction	CN208070599	2018-11-09	XINCHANG COUNTY DUOQU ENVIRONMENTAL PROTECTION TECHNOLOGY*
The utility model discloses a garbage bin control system that uncaps based on infrared induction, control system include intelligent garbage bin and intelligent paper handkerchief box, the intelligence garbage bin includes staving, bung, is used for an actuating mechanism of driven barrel lid upset and is used for control an actuating mechanism's first control ware, a controller configuration hasa wireless communication module, intelligence paper handkerchief box is used for holding the paper handkerchief bag, and it includes box body, lid and installs the intellectual detection system deviceon the lid, the intellectual detection system device includes the second controller, third controller, high -precision distance measurement sensor, movable block, pick -up plate and inductor, the third controller is installed in the second cavity of box body bottom to dispose the 3rd wireless communication module. The utility model discloses can open the garbage bin by convenience of customers toa certain extent.				
				
51.	Special medical waste classification of operating room places and removes frame	CN206032325	2017-03-22	TAN DONGYI
The utility model discloses a special medical waste classification of operating room places and removes frame, it comprises sealed lid, bag frame, closing cap headstock gear, this special medical waste classification of operating room places and removes frame will seal the lid and establish the top at the bag frame to the closing cap headstock gear is connected through the connecting rod with sealed lid, and the device is simple and easy, durable, establishing categorised basket in the bag frame, just conveniently classify the medical waste when producing, accord with waste classification's needs, hollowed out design makes things convenient for cleaning and disinfection, and the disposal bag to take out the operation ten minutes simple and convenient, alleviate medical orderly's intensity of labour, sealed lid prevents that the medical waste from infecting the propagation, accords with the institute and feels the control requirement, the sealed lid gently with riding the pedal portion at the closing cap headstock gear in the use, just can be opened in the position that can easily remove the shelf during use, puts aside the closed sealed lid of foot, has not only improved medical personnel work efficiency, moreover pedal more sanitary, the convenience of lid of opening.				
				
52.	Garbage bin convenient to change disposal bag	CN207346489	2018-05-11	ZHOU ZHENGYING
The utility model discloses a garbage bin convenient to change disposal bag, including staving, bottom, upper cover and supporting seat, bottom detachably fixes at the staving lower extreme, and the upper cover rotates and sets up in the upper end of staving, and the supporting seat is fixed in the staving, is equipped with the stop gear who stops the supporting seat to move to staving upper end opening side between staving and the supporting seat, and the downside of supporting seat is equipped with a disposal bag storage box that holds the package disposal bag, and disposal bag storage box is offered intercommunication disposal bag storage box and is introduced the mouth with barrel body inner cavity's disposal bag to the under shed setting on the supporting seat. Disposal bag storage box is put into to the disposal bag of whole book, and after a last disposal bag had been expired, next was only followed up when mentioning filling disposal bag, and like the paper extraction, it is very convenient to change, uses up the back at the disposal bag in addition, and directly open the bottom and change, simple structure, the utility model discloses still have the spring of uncapping helping hand function, the function that keeps uncapping, close and cover the mute function, also can do the use of uncovered garbage bin.				
				
53.	Anti-fly-insect garbage-bag stand	CN2224186	1996-04-10	DONG WEIQIAN*
The utility model relates to a daily article, and particularly a garbage bag bracket for households. In the utility model, the lower part of a supporting column is plugged into the concave hole of a chassis, the upper part of the supporting column is plugged into the jack of the external of a circular cylinder, an edge pressing ring is buckled in the circular cylinder and to press the edge of a plastic bag, the edge pressing ring is buckled with a movable cover, the plastic bag is arranged in the circular cylinder and the mouth of the plastic bag is pressed reversely outside the circular cylinder, and the foot pedal movable cover is provided for matching to form a sealing garbage can shape. The garbage which is sealed in the plastic bag is emptied out, and therefore, the utility model is economical and practical.				
				
54.	Garbage bin control system that uncaps based on voice recognition	CN208070600	2018-11-09	XINCHANG COUNTY DUOQU ENVIRONMENTAL PROTECTION TECHNOLOGY*
The utility model discloses a garbage bin control system that uncaps based on voice recognition, including intelligent garbage bin and intelligent paper handkerchief box, the intelligence garbage binincludes staving, bung, is used for an actuating mechanism of driven barrel lid upset and is used for control an actuating mechanism's first control ware, a controller configuration has a wireless communication module, intelligence paper handkerchief box is used for holding the paper handkerchief bag, and it includes box body, lid and installs the intellectual detection system device on the lid, the intellectual detection system device includes infrared inductor, adapter and the second controller, wherein, the second controller installs in the cavity of lid to dispose the 2nd wireless communication module, the infrared induction is provided with a plurality of off, distributes in the border position at lid top, the adapter is installed in the bottom of lid. The utility model discloses can open the garbage bin by convenience of customers to a certain extent.				
				

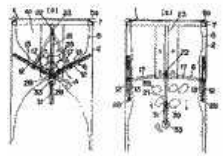
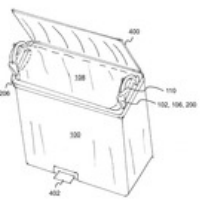
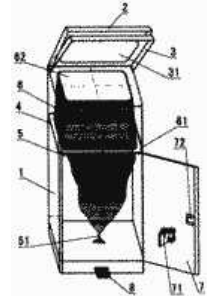
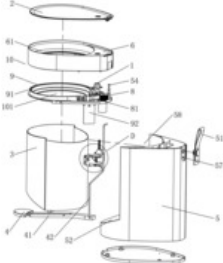
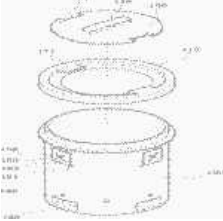
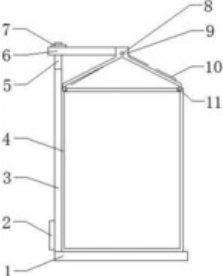
55.	Storage receptacle	ES171987	1972-01-16	HUGUENIN HUGUENIN JULES*	A receptacle particularly for household or industrial refuse comprises a cabinet having an upper door that swings downwardly and a larger lower door that swings outwardly. A platform in the cabinet at the level of the bottom of the upper door has a central hole surrounded by a downwardly projecting sleeve on which the mouth of a plastic bag can be fitted. A lower vertically movable platform and means for clamping the bag on the sleeve are interconnected so that the bag is clamped when the platform is raised to a position for supporting the bottom of the bag. 
56.	Convenient kitchen trash can for bags may be draining	CN208278747	2018-12-25	JIANGSU TIANYING ENVIRONMENTAL PROTECTION ENERGY COMPLETE EQUIPMENT*	The present utility model discloses a kitchen trash receptacle for bags can be conveniently drained, comprising a body and a trash can lid of a trash can; trash can lid opening mechanism is controlled by the lid, the lid opening mechanism of the pedal disposed on the bottom of the trash can body, the trash can also includes a reservoir floor, draining spacer, arm and clip; trash can body is provided at the draining spacer; damming board provided on the bottom of the trash can body is detachably connected with the trash can body; trash bag lower portion of the trough is provided with a trash can body, is provided on the side wall of one side of the trash bag holding trough an interior compartment; interior compartment open top; arm and the top of the trash can lid hinged to the lower surface of, arm extending to the bottom of the compartment interior, the interior compartment is rotatably connected; arm is provided with a clip of the mouth of the trash bag sandwiched between the tip of. The present utility model is convenient to replace the trash bag to a trash can, is easy to clean, and suitable for storing food wastes, reduce trash bag draining. 
57.	Garbage can capable of accommodating garbage bag	WO2016019634	2016-02-11	LIU ZHUOYU	A garbage can capable of accommodating a garbage bag comprises a can body (100) and further comprises a garbage bag accommodating device (10, 20, 30, 40, 50, 60) arranged on the side wall of the can body. The garbage bag accommodating device comprises a casing (11, 21, 31, 41, 51, 61) having an accommodating chamber and an opening. The opening of the casing is located on the side wall and/or two ends of the casing, and a garbage bag is taken out of or placed in the accommodating chamber through the opening. By arranging the garbage bag accommodating device on the side wall of the can body for taking and placing the garbage bag, the garbage bag can be put together with the garbage can and the garbage bag can be easily replaced. 
58.	Treatment apparatus of used nursing care goods	JP2006130132	2006-05-25	TAISEI ENGINEER DENGYO*	PROBLEM TO BE SOLVED: To provide a treatment apparatus of used nursing care goods by which smell is not spread even when putting the used nursing care goods etc. into the apparatus, the smell is not leaked even in a room, and the smell is not spread even when collecting the goods from the apparatus. SOLUTION: The apparatus comprises: an upper cover 13 provided so as to be openable and closable by an upper cover opening and closing pedal 6; a plastic bag holding part 2; a seal apparatus 3 provided for sealing the mouth of the plastic bag and operated electrically; a treating product stocker 15 provided in a state where it can be taken out from an opening formed in front of the apparatus; and a bottom cover 4 which covers the opening at the upper surface of the stocker and which can be opened and closed electrically. In a state where the bottom of the plastic bag set to the holding part of the plastic bag is placed on the bottom cover, the upper cover 13 is opened by the pedal and the used nursing care goods etc. are put into the plastic bag. Thereafter, the mouth of the plastic bag is sealed by the seal apparatus. The bottom cover is opened linked with the seal apparatus, and the plastic bag containing the sealed used nursing care goods falls into the bag set to the stocker to be housed. COPYRIGHT: (C)2006,JPO&NCIPI 
59.	Device for supporting and holding open , fold-flat bags ready for filling	GB1262956	1972-02-09	WALLEY GEORGE ERNEST	1,262,956. A device for supporting and holding open, fold-flat bags ready for filling. G. E. WALLEY. 24 April, 1969, No. 20868/69. Heading B8C. A device for supporting a plurality of foldflat containers, for instance for garbage disposal, comprises a U-shaped frame 1 each of the two prongs 2 of which has U-shaped portions 4, 3 respectively at its inner and outer ends the base of the frame having looped ends 5, 6 for the reception of fixing screws and a centre 7 shaped to accommodate the hinge of a lid, not shown, for closing the top of an open bag. In use, a plurality of fold-flat bags, made for instance of paper or plastics material and having apertures 8, are threaded over the prongs 2 and are retained, as a pack, with the apertures 8 located in the U-shaped portions 4. The foremost container is opened for use by pulling its front top edge forwards and locating the corresponding front pair of apertures 8 in the front U-shaped portions 3 so that the bag presents a rectangular opening for filling. When full the bag can be pulled forwardly off the prongs 2. The device may be free standing wall or, pillar mounted, or be manually mobile, and may be made of wire. In another construction the depressions 4, 3 may be replaced by slits. 
60.	Holding and support device for replaceable bags having a segmented lid	US3836037	1974-09-17	BASS T	A support device for replaceable soft material bags in which the bag is attached to a foot-operated segmented lid. The lid, when open, spreads the bag to its extreme open position and, when closed, functions to close the bag and to somewhat compact its contents. The segmented lid closure mechanism holds, pre-positions, and provides a sanitary lid for the trash receptacle bag. 

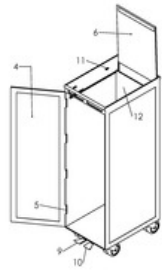
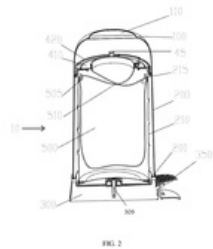
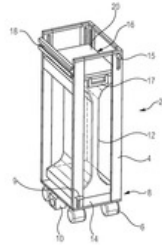
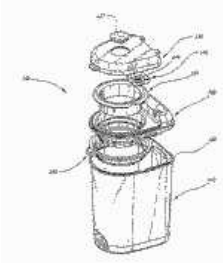
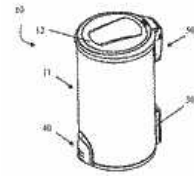
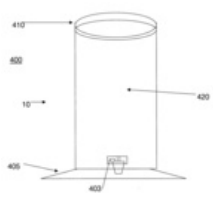
61.	Receptacle	US20140263349	2014-09-18	HAILO WERK RUDOLF LOH*	A waste receptacle includes a housing with an opening at least on one side and a holding frame for refuse bags which is placed removably at least indirectly on an edge of the opening of the housing. The receptacle may further include a cover frame. 
62.	Step-on trash can capable of keeping cover stagnant and changing bags automatically	CN202944663	2013-05-22	HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY*	The utility model discloses a step-on trash can capable of keeping cover stagnant and changing bags automatically. The step-on trash can comprises a trash can body, a trash can cover hinged with the trash can body, an uncovering mechanism and a bag-changing mechanism, wherein the uncovering mechanism comprises a pedal plate, a straight pin structure (2) fixed at the bottom of the pedal, a space cam structure provided with a cam groove which brings convenience to accommodation and positioning of the straight pin structure, a pedal lever connected with the pedal plate, and a push rod which is hinged with the pedal lever and therefore pushes up or lays down the trash can cover along with motions of the pedal plate. The bag-changing mechanism comprises a multi-connection-rod mechanism and a stand column structural member, wherein the multi-connection-rod mechanism is formed by a connection rod, a vertical compression bar, a transfer draw bar, a moving guide rod and a horizontal draw bar, and the stand column structural member automatically executes bag-changing operation along with motions of the multi-connection-rod mechanism. According to the step-on trash can, the trash can cover can keep stagnant for a long time according to requirements of users; in addition, a plurality of garbage bags can be mounted in a sleeved mode at a time, and the garbage bags are convenient and easy to change. 
63.	Intelligence garbage bin control system	CN208070601	2018-11-09	XINCHANG COUNTY DUOQU ENVIRONMENTAL PROTECTION TECHNOLOGY*	The utility model discloses an intelligence garbage bin control system, including intelligent garbage bin and intelligent paper handkerchief box, the intelligence garbage bin includes staving, bung, is used for an actuating mechanism of driven barrel lid upset and is used for control an actuating mechanism's first control ware, a controller configuration has a wireless communication module, intelligence paper handkerchief box is used for holding the paper handkerchief bag, and it includes box body, lid and installs the intelligent control device on the lid, the middle part of the paper handkerchief in the paper handkerchief bag is printed on marking pattern, the middle part of lid has the opening that paper supply piece of cloth passes through, intelligent control device includes camera subassembly, infrared inductor and the second controller, the second controller installs in the cavity of lid, the infrared induction is provided with a plurality of, distributes in the border position at lid top. The utility model discloses can open the garbage bin by convenience of customers. 
64.	Frame for supporting garbage bag	CN2209947	1995-10-18	DONG PENGXIANG	The utility model relates to a frame for supporting a garbage bag, which belongs to sanitary living articles for a household. The utility model is composed of a spread supporting body, a supporting leg and a fixing body. The frame for supporting a garbage bag can support and fix the garbage bag and can keep the garbage bag to open and to form a barrel shape for the convenience of delivering and carrying away the garbage at any time. As the utility model makes use of a waste plastic slip-in bag as the garbage bag to replace a garbage can, the garbage can be brought outdoors without special roundtrip; thus, the manpower is saved. The utility model is particularly convenient for the household positioned in a high-rise building or far away from a garbage station. The utility model has the advantages of low cost, simple manufacturing process and repeated use. The utility model is favorable to sanitation, and the frame for supporting a garbage bag can be widely used for public places, such as the household, a hotel, etc. 
65.	Wastebasket	KR20180098433	2018-09-04	LEE, CHAN JAE;YOUN, BOUNG SEOB	The present invention relates to a garbage can which is capable of temporarily storing various kinds of garbage such as foods and various wastes and treating the garbage, and can be treated in a state where an odor is blocked in the case of odorous garbage. The present invention comprises: a base member (10) disposed at a lower portion; a support member (20) formed so as to be spaced from the upper surface of the base member (10) so that a bag for holding the various kinds of garbage can be spread; a lifting plate (70) installed to be lifted up and down inside the support member (20); and an elastic member (72) resiliently mounted on a lower portion of the lifting plate (70). 
66.	Can make down -pressure type garbage bin that disposal bag is difficult for droing	CN206172299	2017-05-17	SHANTOU SHANQIAN PLASTIC WARE*	The utility model provides a can make down -pressure type garbage bin that disposal bag is difficult for droing relates to down -pressure type garbage bin field. This can make down -pressure type garbage bin that disposal bag is difficult for droing includes to push down the garbage bin, the left side top fixedly connected with regulating block of garbage bin pushes down, the spout has been seted up to the inside of regulating block, the inside sliding connection of spout has the slider, the left side fixedly connected with of slider presses the post, press the post and keep away from the outside that the one end of slider runs through the regulating block and extends to the regulating block, the right side fixedly connected with of slider promotes the post, it has offered the fixed slot to push down the top of garbage bin and lie in the outside that pushes down rubbish barrel inner cavity, the fixed slot is through card hole and spout intercommunication. This can make down -pressure type garbage bin that disposal bag is difficult for droing, simple structure, convenient to use can carry out better fixing to the disposal bag that pushes down in the garbage bin, makes the disposal bag be in firm state always, is difficult for droing. 

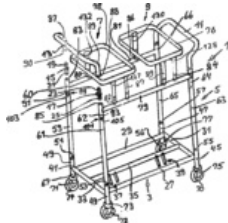
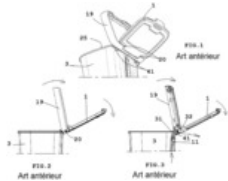
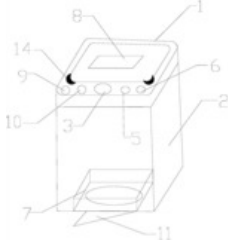
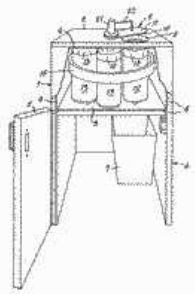
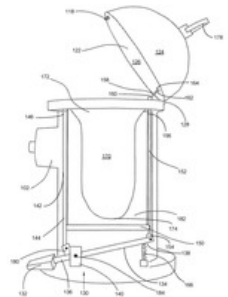
67.	Recycling bin	GB0424374	2004-12-08	NICHOLSON WILLIAM A*	
A multistorage refuse bin 1 having an elongate body 2 is divided into three or more storage areas, in which the bin is supported on at least two wheels 8. This provides a convenient waste sorting system for the household rubbish since the items for disposal can each be placed in an appropriate storage area and thus be instantly sorted as they leave the hand of the householder. The body may be divided by providing hinged support frames 12 for retaining refuse bags, or by fixed partitions (4, Figure 1) or by the fitting of removable storage containers. The bin may have a hinged lid 6.					
68.	Refuse receptacle with spring bias arrangement	US7992742	2011-08-09	SINCLAIR WORLDWIDE*	
A refuse receptacle includes an outer enclosure having an upper frame member with an opening through which refuse can be deposited into the outer enclosure, and a cover movably mounted on the upper frame member between a position normally closing the opening and a position which permits refuse to be deposited through the opening into the outer enclosure. A tubular refuse holder is mounted on a spring plate in the outer enclosure, the refuse holder including an upper open end for receiving refuse deposited through the opening. A plurality of coil springs are provided between the spring plate and a ledge in the enclosure to bias the refuse holder toward the upper frame member such that there is engagement of the upper open end of the refuse holder against the upper frame member to provide a seal thereat.					
69.	Garbage bag support	CN2097814	1992-03-04	HE DELIANG	
The utility model provides a garbage bag support which mainly comprises a pair of support chips which can be sheathed in carrying-straps of the bag mouth of garbage bag and takes the action of supporting, a pair of support frames which is bent in U-shaped and the both ends are respectively combined with the support chips and a guide vane which is arranged between the support chips. The support chip is fixed on the carrying-straps of the garbage bag. The guide vane maintains the bag mouth of garbage bag in the shape of opening. The support frame bears the total weight. The utility model has the advantages of simple structure, easy use and easy carrying.					
70.	Waste storage container	JP2016196369	2016-11-24	SASAKURA SEIICHI	
PROBLEM TO BE SOLVED: To provide a waste storage container that can safely and surely compress wastes put into a container.SOLUTION: The waste storage container comprises: a hollow container main body 3 which can hold a collection bag 9 which collects wastes; an outer lid 10 provided to be able to block and open an opening part of the collection bag 9 held by the container main body 3; an inner lid 11 provided to be able to enter the collection bag 9 through the opening part of the collection bag 9; opening/closing operation means 12 which switches blocking and opening of the opening part of the collection bag 9 by activating the outer lid 10; and compressive operation means 13 which moves back and forth the inner lid 11 relative to the collection bag 9. This allows the compressive operation means 13 to move back and forth the inner lid 11 relative to the collection bag so as to compress the wastes in the collection bag 9.SELECTED DRAWING: Figure 1					
71.	Circle is placed to inner bag for garbage bin	CN207434270	2018-06-01	NAN CUNHE	
The utility model discloses a circle is placed to inner bag for garbage bin, its technical scheme main points are the cover bag circles in can inserting the garbage bin open end, cover bag circle including be used for propping up disposal bag open -ended support ring with can the butt at the spacing ring of garbage bin open end, the external diameter of support ring and the internal diameter looksadaptation of garbage bin, the external diameter of spacing ring are greater than the internal diameter of garbage bin open end, the support ring can insert in the garbage bin open end butt until spacing ring and garbage bin, cover bag circles to the sunken arc breach that is provided with in the circle, and cover bag circle lies in to be provided with on the lateral wall of arc breach and is used for propping the fixing device that the disposal bag outside the support ring was fixed, and the setting of the in -process arc breach of support ring in inserting the garbage bin can make fixing device avoid conflicting with inner wall of garbage can. The circle is placed to this inner bag, and can effectively avoid the disposal bag to roll over to turning up and the landing is gone into in thegarbage bin.					

72.	Package-garbage can	CN2353699	1999-12-15	WANG MINGJUN	The utility model relates to a bagged refuse box, which comprises a box body which is provided with an upper opening, a side door which is arranged on the lateral surface of the box body, and a supporting frame for a bag mouth which is arranged on the upper opening in the box body. The side door is opened, a bag which is filled with refuse can be moved horizontally from the lateral surface. Then, the refuse can be conveniently taken out. The supporting frame for a bag mouth are matched and connected with a slideway in the box body, or a connecting rod is arranged between the supporting frame for a bag mouth and the box body, or the supporting frame for a bag mouth is hung and connected in the box body. Then, the movable supporting frame for a bag mouth can be formed, which is convenient for a refuse bag to be sheathed or relieved after the supporting frame for a bag mouth is moved out. The utility model has the advantage of convenient operation.	
73.	Convenient garbage bin that trades bag	CN205470913	2016-08-17	ZHEJIANG ZHIYUAN OFFICE EQUIPMENT MANUFACTURING*	The utility model provides a convenient garbage bin that trades bag, includes staving, bung and long cylindric disposal bag, be equipped with the dodge gate on the staving, still including locating disposal bag on the staving holds in the palm and holds the device, be used for encapsulating the disposal bag closing device of operation and the device is cut to the disposal bag that is used for cutting the operation. The utility model discloses simple structure, convenient to use, closed design avoids children to touch, prevents peculiar smell diffusion, and it is convenient to wash, drags the operation and can renew cooperation simultaneously through simple and easy the disposal bag closing device with separation and encapsulation that the device carries out the disposal bag are cut to the disposal bag, high -efficient environmental protection, and convenient and fast, user experience is good, is fit for extensively using widely.	
74.	Two flip garbage bins are stepped on to foot	CN208054187	2018-11-06	CHEN HUIYONG	The utility model belongs to the technical field of the garbage bin, a two flip garbage bins are stepped on to foot is related to, including square barrel body and two bungs, the left and right sides of ladle body is rotated with the bung respectively and is connected, the bottom of ladle body is provided with the footboard, the footboard passes through the axis of rotation and the ladle body is connected, the ladle body rear side is provided with the connecting rod, and the lower extreme and the footboard of connecting rod are articulated, the oval slide opening sliding connection of class on the upper end of connecting rod and the bung, and the major axis of the oval slide opening of class was in vertical direction when the bung closed, the slide opening sets up in the bung bottom, lies in the inboard that the position is connected to bung and ladle body. The utility model provides a two flip garbage bins are stepped on to foot, simple structure, the low price, the molding is succinct, and the appearance is pleasing to the eye, is difficult for emptying after opening flip, has still designed the disposal bag anchor clamps simultaneously, and disposal bag and garbage bin break away from each other when having avoided the use.	
75.	Perforated plate receiving triangle corner and container	JP2015040083	2015-03-02	KURIHARA TOSHITAKA	PROBLEM TO BE SOLVED: To provide a perforated plate receiving triangle corner that makes it easy to put small refuse of a drain outlet in a triangle corner, and to provide a container such as a garbage box that facilitates plunging of small refuse and the refuse of plates with viscous materials such as mayonnaise, source, ketchup, and spice sauce with one hand.SOLUTION: A perforated plate receiving triangle corner 1 and a container such as a trash box is characterized as follows: a perforated plate of a drain outlet is slammed at a portion of the top edge of a triangle corner 1 or over a whole circumference; protrusions 4, 4A protruded toward inside from the inner surface of a sidewall and widened edge portions in order to make it easy to plunge small refuse are formed; and bars are bridged between edges, and further the protrusions and the bars are bridged in the sidewall of a garbage box.	
76.	Full-closed bagging garbage apparatus	CN2188562	1995-02-01	GUO CHAOJING	The utility model relates to a full-closed bagging garbage apparatus. A driving member group is controlled to move through operating the member by human power to drive a bag hanging member and a box cover to move synchronously. A special garbage bag is hung on the bag hanging member, and thereby, member is operated by human power to control the box cover and a garbage bag to open and close synchronously, and the goal of double sealing is reached. A bag storage box stores a plurality of special garbage bags for the convenience of taking. The driving member group in a box is a simple pulley structure. The utility model has the obvious advantages of simple structure and complete function.	
77.	Waste collecting device	FR2968288	2012-06-08	Pierre Marconi	Waste collecting device comprising a base (10), and an intermediate body (2) comprising a disk (30) for carrying three bags, having three openings for the passage of the waste into said bags, and a first cylinder or rod (34) arranged to slide along a second cylinder or rod (35) mounted on the base (10) so as to set the height of the intermediate body, a cover (3) made of an upper and a lower element (50,70), and of circular shape and pivotable around a horizontal axis, both upper and lower elements comprising a half jaw cooperating together for crushing and reducing the volume of certain waste items, said upper element (70) having at least one opening for the passage of glass bottles and said lower element (50) of said cover comprising a set of openings (51, 52, 53, 54, 55) arranged for the passage of waste items into a determined number of compartments or recipients and in said three bags. - said	

78.	Automatic uncovering type garbage can	CN104016033	2014-09-03	TAN JUN;TAN YIXIANG	The invention discloses an automatic uncovering type garbage can, and relates to the technical field of environmental sanitation equipment. The automatic uncovering type garbage can comprises a can body and a can cover which is connected with the can body through an articulated shaft and mounted at the top of the can body, wherein a proximity switch and a travel switch connected with a control unit are arranged on the can body or the can cover; the control unit is connected to an uncovering motor for driving the can cover to open or close. Compared with the prior art, the automatic uncovering type garbage can solves the problems that an existing garbage can is low in degree of uncovering automation and inconvenient to use. 
79.	Silence multifunctional trash bin supplying bags in bulk and automatically opening bags	WO2017152716	2017-09-14	WUXI DAOTUO ORIGINALITY HOME FURNITURE TECHNOLOGY*	A silence multifunctional trash bin supplying bags in bulk and automatically opening the bags, comprising an upper housing (10), a bin body (14), and a bottom housing (29). The upper housing (10) comprises a bag-clamping and bag-opening apparatus and a lid-opening/closing apparatus. The bottom housing (29) comprises a trash bag length positioning apparatus, a silencing and cushioning apparatus, an opened lid locking apparatus, a bag-opening resetting apparatus, and a trash bag storage cavity. A trash bag being drawn out triggers the trash bag length positioning apparatus and the bag-clamping and bag-opening apparatus into action, thus implementing automatic bag clamping and trash bag tear off functions. Furthermore, when a pedal (26) is stepped down, flipping lids (8 and 9) are opened, the pedal (26) pulls a resetting pull hook (28) and drives a bag-clamping pull rod (34), the bag-clamping pull rod (34) drives plastic strips (3 and 4) on U-shaped clamping rods (1 and 6) to open the opening of the trash bag, when the pedal (26) is released, a damping disk having a viscous liquid obstruct the return of the pedal (26), and the flipping lids (8 and 9) close slowly. The trash bin consecutively supplies trash bags, automatically changes a new trash bag when trash is being taken out, and automatically opens the bag opening, and triggers by means of an action of either foot an opened lid locking button (25) to lock the bin lids into being normally opened. 
80.	Multifunctional plastic garbage bin convenient to wash	CN205738993	2016-11-30	HUANG WUSHAO	The utility model discloses a multifunctional plastic garbage bin convenient to wash, the on -line screen storage device comprises a base, the base top is equipped with the garbage bin connecting seat, the garbage bin wall is connected at garbage bin connecting seat top, garbage bin connecting seat both sides all are equipped with supporting protrusion, last sputum collecting vat and the disposal bag standing groove connected respectively of supporting protrusion, be equipped with the luminous lamp area on the garbage bin wall, the luminous lamp side of taking is equipped with the handle, the handle top is equipped with a plurality of draw -in grooves, be connected with the disposal bag mounting on the draw -in groove, and evenly distributed in around the garbage bin wall, disposal bag mounting bottom is through pivot swing joint garbage bin wall, and the garbage bin connecting seat passes through threaded connection garbage bin wall, has made things convenient for the washing of garbage bin wall, takes the position that can see the garbage bin at night clearly through luminous lamp, can collect the sputum through the sputum collecting vat, can place the disposal bag through the disposal bag standing groove, can fix placing of disposal bag through the disposal bag mounting. 
81.	Self-bagging garbage can system	US7395990	2008-07-08	STEVENS GEOFFREY	In order to make it easier to use a garbage can, a self-bagging mechanism is placed in the bottom of the garbage can with an opening provided for a plurality of bags to be placed within a housing. The empty bags will be taken from the housing and will provide garbage bags to the trash cans at all times. The bag holder is designed to be refillable. 
82.	Domestic waste bin	GB0600125	2006-02-15	LEVESLEY SIMON	A domestic waste bin (1) having a sleeve (2) which receives a frusto-conical bin liner (3) . The bin liner (3) receives a bin bag (4) . A bag valve holder (18) is attached to the bin bag, which holder is seated in the upper end of vacuum tube (14) , leading from motor (10) to the bag (4) . The motor (10) can be operated to evacuate air from the bag (4) , when filled with waste material, thereby reducing the space normally occupied by the filled bag when ready for disposal . 
83.	Foot -operated sanitary bucket	CN208150201	2018-11-27	HEBEI COLLEGE OF INDUSTRY & TECHNOLOGY*	The utility model provides a foot -operated sanitary bucket belongs to garbage collection device technical field, including the staving, set up inside lining bucket in the staving, be used for with staving articulated bung and be used for the driven barrel lid open and closed staving trample the mechanism, the periphery of inside lining bucket and the upper end that lies in the inside lining bucket are equipped with attacker's platform of the handheld operation of being convenient for, attacker's platform sets up with the top interval of staving, the oral area of staving is equipped with the retainer plate that is used for joint attacker platform, retainer plate and staving are through dismantling connection structure fixed connection, constitute the storage tank that is used for holding the disposal bag edge between the outer wall of the inner wall of retainer plate, the lower terminal surface of attacker's platform and inside lining bucket. The utility model provides a foot -operatedsanitary bucket makes things convenient for the getting of inside lining bucket to put, can be firm fix the disposal bag on the inside lining bucket the pleasing to the eye and stability of inside lining bucket in the entire body of appearance when having guaranteed to use. 

84.	Garbage accommodation compartment support a recycled plastic shopping bag as a liner	JPH0761503	1995-03-07	PANASONIC ELECTRIC WORKS*	PURPOSE:To prevent any odor from being externally leaked by shielding the interior of the accommodation compartments even when after the garbage is thrown therein it is decomposed with the lapse of time, and eliminate the feeling of discomfort resulting from the throw-away of the garbage. CONSTITUTION:A nipping mechanism 6 is provided for openably and closably nipping garbage bag 5 disposed inside an accommodation compartment body 2 at an upper/central portion thereof. Each time garbage 39 is thrown in, the opening/closing operation of the nipping mechanism 6 is repeated. The garbage 39 is accommodated in the garbage bag 5 in a closed condition without externally leaking any malodor. The malodor of the garbage 39 at the time when an outer lid is opened is easily and reliably shielded. 
85.	Trash can with handles that graspably support a recycled plastic shopping bag as a liner	US20120111868	2012-05-10	BANUS CHRISTOPHER T	A trash receptacle is configured to use a shopping bag as a liner by hanging the shopping bag handles over handles or other extensions of the trash receptacle. Separating features such as protruding handle appendages and/or recessed or horizontally offset receptacle rims provide grasping spaces below the suspended bag handles into which a user's hands can be inserted for easy grasping of the bag handles during bag removal. The receptacle extensions can be fixed or removably attachable to the trash receptacle, or can be fixed to a removable receptacle adaptor. They can be curved and/or slanted inward. They can pivot inward during bag removal to relieve strain on the bag handles. Pivoting handles can be conveniently released by a foot pedal or by actuating a hand trigger while lifting the bag handles. A receptacle lid can be included, and a foot pedal can be used to operate the lid. 
86.	Refuse can	CN2839185	2006-11-22	WEI YONG	The utility model relates to a refuse box, which comprises a refuse box body, wherein the top part of the box body are movably connected with a positive cover; the shape of the positive cover is matched with the shape of the top part of the box body and is slightly bigger than the shape of the side edge of the top part of the box body; the periphery of the inner wall of the middle part in the box body has a flange with a narrow edge; in the box body, the upper part of the flange is sheathed with a cylindrical plastic film which is orderly folded and combined; the lower part of the plastic film spreads out; the end of the plastic film is knotted and enclosed and extends to the lower part of the flange in the middle part of the box body; a cylindrical clamping seat of a plastic bag is arranged in the cylindrical plastic film; the side edge of a lower opening of the cylindrical clamping seat of a plastic bag is supported on the flange in the middle part of the box body; the lower part of the flange in the middle part of the box body is movably connected with a door; the lower part of the box body is also provided with a knife blade. The refuse box adopting the structure can transport the refuse in time. Simultaneously, the utility model has the advantages of easy replacement of the plastic bag, convenient operation, simple structure, low cost, resources saving, and wide ranges of application, and brings large convenience to people ' s life. 
87.	Intelligent side-up trash can	CN109516024	2019-03-26	GUANGDONG SHUNDE KEKEMAI TECHNOLOGY INDUSTRY HATCHING*	The present invention relates to an intelligent pop-up side of a trash can, comprising a tub, a smart lid and the housing, the housing mounted on one side of the tub placed cavity, the cavity side of the housing is placed in the tub is placed from the tub, the tub is placed open-topped cavity, and is in communication with the tub opening; smart lid is disposed in the tub is placed at the top cavity, a smart lid is provided with a bag body through the passage, the bag through the passage in communication with the bowl opening, a smart lid is provided with the pocket cuff member, the bag closure heating body and the trash bag holds taiwan, the bag and the bag seal disposed in the pocket cuff members through the passageway in the heat generating element, provided in the bag and the bag cuff members to the support table trash bag closure above the heat generating element. This paragraph is taken out from the side of the housing of the garbage can intelligently side-up the tub, the tub without opening the smart cap removal procedure, it is convenient to operate. 
88.	Trash can for standard trash bag	KR20130093904	2013-08-23	CHO YOUNG SUN	PURPOSE: A trash can for a standard trash bag having a compression plate is provided to easily separate a standard trash bag from the trash can by forming a foot plate groove on the bottom of a body. CONSTITUTION: A trash can for a standard trash bag having a compression plate comprises a body (120) and a lid (110). A standard trash bag is inserted into the body. The lid is coupled to the top of the body. A compression plate is detachably coupled to the lid and compresses trash stored in the body. 
89.	Can make plastic bag make full use of's environment -friendly dustbin	CN207390133	2018-05-22	CHENGDU HAO ZHEN TECHNOLOGY*	The utility model relates to a can make plastic bag make full use of's environment -friendly dustbin, including installation base, curb plate, getter device and garbage bin, the installation base is cylindric or long cubic form, the vertical setting of curb plate is in installation base upper surface one side, the getter device includes buckler, battery case, outlet duct and air pump, and the buckler setting is in the curb plate bottom, and the air pump setting is inside the buckler to demountable installation is on the curb plate, and the battery case is installed on the curb plate, and the outlet duct setting is in the air pump side, the garbage bin includes shell and inner bag, and the shell is hollow with the inner bag is middle, is provided with a plurality of through -holes on the inner bag, is diameter of hole 1 3mm, the curb plate upper end is provided with the fixed axle. The beneficial effects of the utility model are that: the utility model discloses utilize the air pump to laminate the plastic bag completely on the inner bag inner wall of garbage bin, the space that has increased the plastic bag, the quantity that can hold rubbish increases, reduces the waste of plasticbag, has improved the availability factor. 

90.	A rubbish collection trolley	WO2013150259	2013-10-10	Massimo Gary Betty	
The trolley (2) comprises a horizontal tray (14, 18) comprising a plurality of horizontal apertures, each aperture comprising a rubbish bag (19, 20) held therein by its edges (22) between a tray base (14) and tray cover (18) that snap together. Before use the rubbish bags (19, 20) are contained within the horizontal tray (14, 18) and are freed to hang vertically within the trolley (2) when in use. The trolley (2) comprises a retractable lid (6) which covers the tray assembly (14, 18) when the trolley (2) is not in use. A liquid waste container (21) also fits into the tray (14, 18) and is independently removable for emptying without removing the rubbish bags (19, 20).					
91.	System and apparatus for waste disposal and changing infant-toddler behavior	CA2958317	2016-03-03	1316* MCCONNELL THOMAS Thomas. McConnell	
A diaper pail having a top chamber with top transparent doors, and a transparent outer casing, allowing a user to see the rotating inner barrel as it spins within the transparent outer casing. The inner barrel holds a disposable bag and as it rotates the inner barrel untwists the neck of the bag, thus opening the bag for a soiled diaper to fall into the bag from the top chamber, and then the bag returns to its original twisted closed configuration. The soiled diaper falls into the bag while the doors of the top chamber remain shut, keeping malodorous gas from escaping. The visual spectacles provided by this diaper pail also act to change infant and toddler behavior by associating diaper change with a fun and fascinating event.					
92.	Waste compaction system for a vehicle, cabin monument for a vehicle having such a waste compaction system and vehicle having at least one waste compaction system	EP2949459	2015-12-02	AIRBUS OPERATIONS*	
A waste compaction system for a vehicle comprises a moveable trolley (2,3) for storing waste, and a docking station (22) integratable into a cabin monument for inserting the trolley (2,3). The trolley (2,3) comprises a housing (4) having an opening for inserting waste, a vacuum waste compacting mechanism (12) inside the housing (4) and a first suction port (10) accessible from outside the housing (4), the first suction port (10) being couplable with the vacuum waste compacting mechanism (12). The docking station (22) and the trolley (2,3) are adapted to each other such that the trolley (2,3) is engageable with the docking station (22), and wherein the docking station (22) comprises a second suction port (26) couplable with a suction line in the vehicle and the first suction port (10). Resultantly, a lightweight and efficient waste compaction system is provided, which allows moving the trolley (2,3) for collecting waste inside a cabin of the vehicle.					
93.	Odorless container	WO9612663	1996-05-02	FISHER PRICE*	
An odorless container having a selectively openable peripheral constrictor that creates a seal between a holding chamber (500) where waste is deposited and a storage chamber (600) where waste is stored so that odors from the storage chamber do not escape when waste is deposited into the holding chamber. Operation of the pail (110) involves opening the lid (130), depositing the waste into the holding chamber (500), and closing the lid. The constrictor is then opened allowing the waste to fall from the holding chamber into the storage chamber. Finally, the constrictor is closed to prepare the pail for the next deposit of waste. Therefore, odors from the second chamber are never directly exposed to the outside environment. The constrictor may be constructed of a single continuous flexible sleeve (300), or of multiple constrictor elements, which may be rigid members, articulated members having rigid segments, or elastic or inelastic flexible strands or strips.					
94.	Soft-touch electric trash bin	CN201801112	2011-04-20	NINE STARS*	
A soft-touch electric trash bin includes a bucket (A), a lid (1), and a seat board (B) for fixing a driving mechanism. The lid (1) is hinged on the seat board (B) which is coupled integrally with the upper peripheral wall of the bucket (A). The seat board (B) is provided with an electric mechanism (22) which drives the lid (1) to open or close. The work circuit of the electric mechanism comprises a micro-switch (9), a microcomputer controller (IC1), a motor driving control circuit (12) and a motor (21). The trash bin has the advantages of compact structure, low producing cost, reliable working, convenient operation and saving energy.					
95.	Diaper pail with odor protection	US20050178767	2005-08-18	HLETKO PAUL M.	
A diaper pail is provided including an outer body, an inner body, a lid, a pedal, and an eccentrically driven ring. The pedal is drivingly connected to the driven ring. A disposal bag is removably affixed to the driven ring. A first actuation of the pedal rotates the driven ring in a predetermined direction and lifts the lid. Removal of the actuating force upon the pedal causes the lid to descend, and the driven ring to rotate further in the predetermined direction.					

96.	Collector i.e. mobile collector, for collecting e.g. laundry, has individual components that are separable from each other and are firmly connected with each other by plug-in connectors, where components consist of stainless steel pipe	DE102008015445	2009-09-24	LEENO MEDICAL*	
The collector (1) has a frame construction (5) perpendicularly arranged on a base frame (3). Requirement-specific corresponding components such as container carrier, bag holders (7, 9) or actuator e.g. tilting handle, pedal, pushing handles (11, 13) or cover, are mounted on the construction. The individual components are separable from each other and are firmly connected with each other by plug-in connectors, where the components consist of stainless steel pipe. Each connector has locking pins (15, 17) with a stop ring, at which connecting spigots (19, 21, 23, 25) are perpendicularly arranged.					
97.	"system for locking the holding device of the bag of a bin"	ES2579284	2016-08-09	I M L*	
System for blocking the frame for supporting the bag (19) of a bin (2), comprising a container (3) provided with an upper edge (25), a frame for holding the bag (19) applicable to said (25) edge for retaining a bag folded over the edge itself and articulated on journals (41) positioned externally close to the upper edge (25) of the (3) container, a hinged (1) lid on journals (20) of the (19) frame, an elevation rod (11) provided with a pushing end (31) disposed to engage in abutment in a corresponding seat (32) of the cover (1) for driving rotation of opening of said cover (1) about said trunnions (20) in response to a lift motion of the rod (11), wherein said frame comprises (19) at least one wall (33) disposed in a position adjacent to said rod (11) and profiled to engage with said end (31) of the rod (11) in response to an initial rotation of opening of the (19) frame around said journals (41) to a rotation of successive opening of the (1) lid around said journals (20), and prevent subsequent rotation of the (19) frame.					
98.	Electromagnetic induction takes out pocket type medical trash can	CN206634569	2017-11-14	LIANG XUE	
The utility model discloses an electromagnetic induction takes out pocket type medical trash can, including ladle body and the bung of lid on the ladle body, it opens the intelligent induction zone of bung automatically and can open the self -defined control button of set time as required to be provided with the human back of response on one side of the bung on the lateral wall, the opposite side of bung is provided with the residual capacity display lamp, the ladle body bottom is provided with the disposal bag box that is used for holding the disposal bag, be provided with electron countdown timer on the panel of bung. The utility model discloses can respond to the human body and open the bung automatically, prevent noise pollution, conveniently change the disposal bag, can compress rubbish, be provided with countdown timer, carry out the count -down after opening and the automatic recording rubbish resting period to accomplish timed processing effectively.					
99.	Apparatus for the temporary reception of radioactive waste	DE8017793	1980-10-09	N MEDICAL* N MEDICAL ZUERICH	
A plurality of tubes (12, 13, 14) are arranged vertically in a closed row along a circle within a completely enclosed housing (1) provided with an inner radiation protection jacket (4). All the tubes (12, 13, 14) are connected as an assembled unit to a vertical shaft (17) which is mounted for rotation between a top plate (2) and a bottom plate (3) of the housing (1). A waste bag (18) can be inserted through an opening (8) in the top plate (2) into the tube (12) located at the time below same, into which bag radioactive waste (19) can be introduced also through the opening (8) which can be closed by a lid (9). Another opening (20) is provided in the bottom plate (3), it being located below the last tube (14) of the row in the intended direction of rotation of the unit. Thus, the bag (18) which is present in the corresponding tube (14) drops through said further opening (20) into a reception container (7) placed below it. When the unit is turned further daily by an amount equal to the angle between two adjacent tubes, sufficient time automatically elapses to permit the radioactivity of the waste in the filled bags which are no longer accessible to drop to an unobjectionable value until the bags fall into the reception container (7) and can be safely eliminated from there.					
100.	Foot actuated animal waste receptacle	US20170174428	2017-06-22	MUIR ROBIN	
A foot actuated animal waste receptacle enables sanitary and efficient disposal and storage of animal waste. A counterweighted outer housing forms a protective casing and an ornamental design. A weight integrates into the base end of the housing to prevent tipping over. A lid hingedly connects to a housing perimeter of the outer housing, pivotally moving between open and closed positions through a foot actuated hinge mechanism. The hinge mechanism comprises a series of connected rods that pivotally articulate to move the lid. The lid is securely maintained in a closed position through a compression load stored in a compression spring, and a hook and catch that detachably couple. A rim inside the housing perimeter holds a replaceable bag inside the outer housing to directly receive animal waste. A plurality of fastening tabs are disposed around the perimeter of the rim to detachably fasten replaceable bag to the rim.					