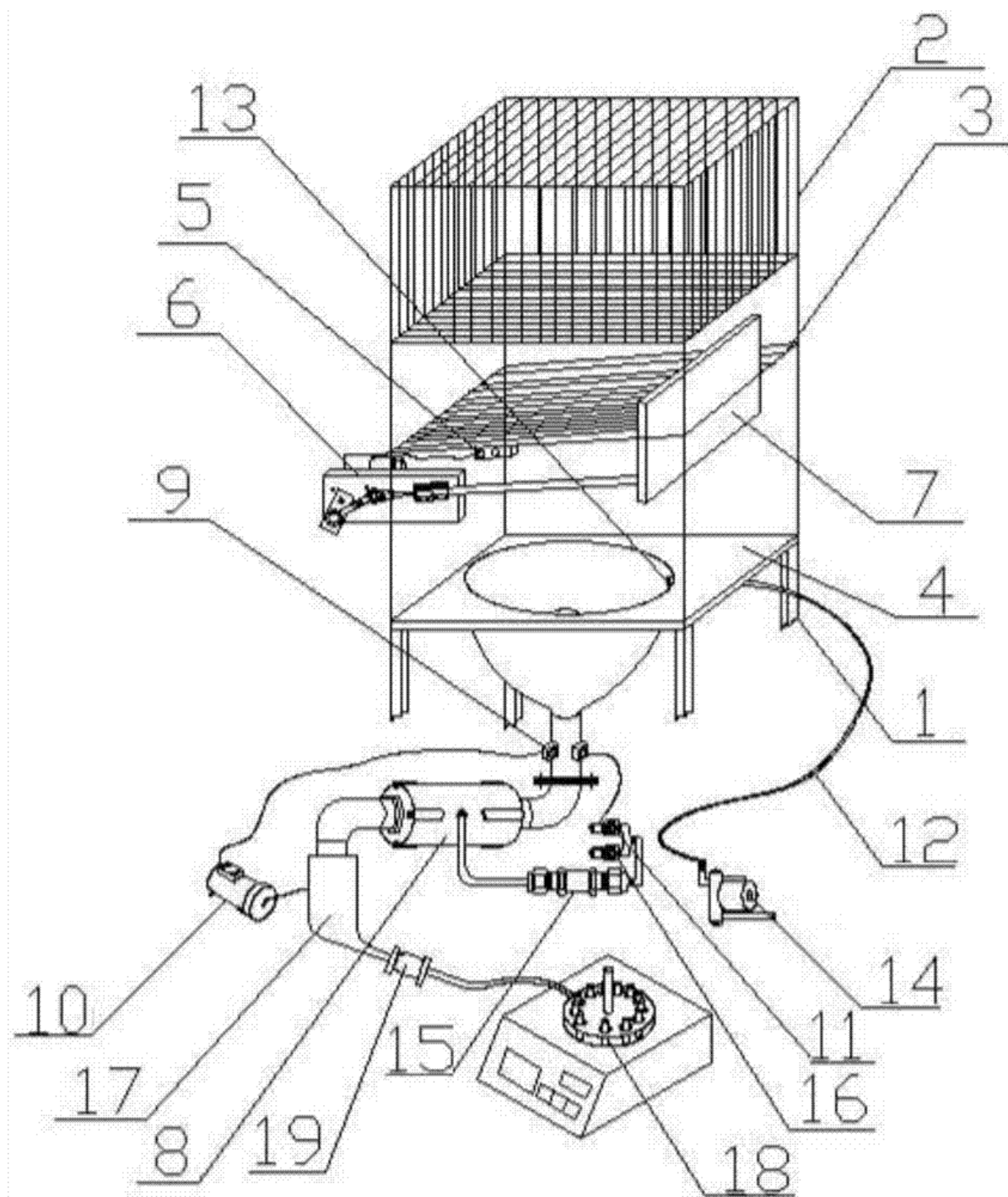


10 Documents

Publication numbers	Title	Current assignees
CN105961211 A	Automatic excrement-urine separation and timed collection device for animal metabolism experiment	JILIN UNIVERSITY
CN207720911U U	Automatic pet excrement collector	XU FANSHUN
CN205623701U U	Pig house excrement ditch dung scraping plate formula collecting system	CHINA AGRICULTURAL UNIVERSITY
CN207543963U U	A faeces collector for breeding house	FUQING CITY SHENGHUA MODERN FARMER COOPERATIVES
CN201905109U U	Pet toilet	ZHANG ZHANG QING
CN205671212U U	A device that is used for animal metabolism experiment fecaluria autosegregation and regularly collects	JILIN UNIVERSITY
CN105993973 A	System and method for separating large-scale pig farm contaminant sources	HUNAN SAKAL ENVIRONMENTAL SCIENCE & TECHNOLOGY
CN207151519U U	Double slope set septic tank urine guiding device	HENAN YASHENG ANIMAL HUSBANDRY
CN204393051U U	Feeding equipment and collection device	HUNAN KELUN PHARMACEUTICAL
CN107372137 A	Dual-slope feces collection pool and feces scraping device	HENAN YASHENG ANIMAL HUSBANDRY

Family 1/10 - FAMPAT - ©Questel

Title
(CN105961211)
Automatic excrement-urine separation and timed collection device for animal metabolism experiment

Images**Publication data including kind & date**[CN105961211](#)

A

2016-09-28

CN105961211

**Abstract**

(CN105961211)

The invention relates to an automatic excrement-urine separation and timed collection device for an animal metabolism experiment and belongs to the technical field of animal experiment instruments. The automatic excrement-urine separation and timed collection device comprises a support, a rearing cage, an excrement-urine separation device and an excrement-urine collection and storage device, wherein the rearing cage is fixed to the support, the bottom of the rearing cage is a grill, the excrement-urine separation device is arranged under the rearing cage, the excrement-urine collection and storage device comprises a timed urine collection and storage device and an excrement sample collector, and the timed urine

collection and storage device is arranged in a controllable calorstat and comprises a housing, a turntable, a rotating shaft, a timer and a sample collecting tube. Compared with the prior art, the device for the animal metabolism experiment can effectively perform excrement-urine separation, can also perform timed collection and fixed-temperature storage, makes the metabolic excrement-urine separation be effective, can perform timed and fixed-temperature collection and storage of test samples, is convenient to use, safe, reliable, low in cost and easy to popularize and apply.

Inventors

DAI YUAN

LENG JINSONG

WANG TINGXIU

LIU JINGBO

MA ZHONGSU

Latest standardized assignees - inventors removed

JILIN UNIVERSITY

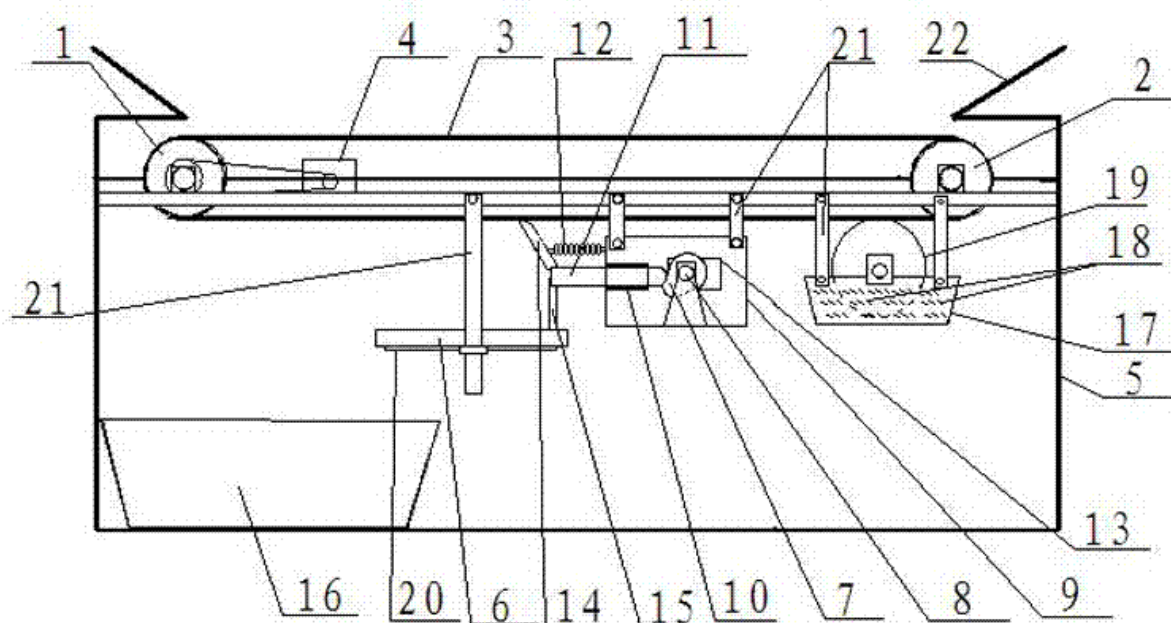
Family 2/10 - FAMPAT - ©Questel

Title

(CN207720911U)

Automatic pet excrement collector

Images



Publication data including kind & date

[CN207720911](#)

U 2018-08-14 CN207720911U



Abstract

(CN207720911U)

An automatic pet excrement collector, comprising a drive wheel, driven wheels, endless conveyor belts, drive motor, frame body, excrement drying the plate, the cam mechanism and a doctor blade, the drive wheel, driven wheel disposed on the frame body through bearings respectively correspond to the left, and right sides, an endless conveyor belt on the left, and right ends corresponding to the drive wheel, driven wheel support, a driving motor driving the drive wheel, driven wheel is rotated by the endless conveyor belt and, on the frame body is mounted to the dried feces, located below the transfer belt, feces drying heater of the heat plate is capable of dry sheets; cam means located in the annular conveyor belt, on the right side of the frame body stool dry plate, and pushing the blade along a frame body of the cam means connected to the left-right direction, the right side of the stool to which they correspond to the upper surface plate to dry the endless belt moves back and forth on the outer lower surface, the cam is connected to and located below the scraper pushes the push plate is on the right side region of the surface of stool dry plate, in synchronization with the reciprocation of the knife.

Inventors

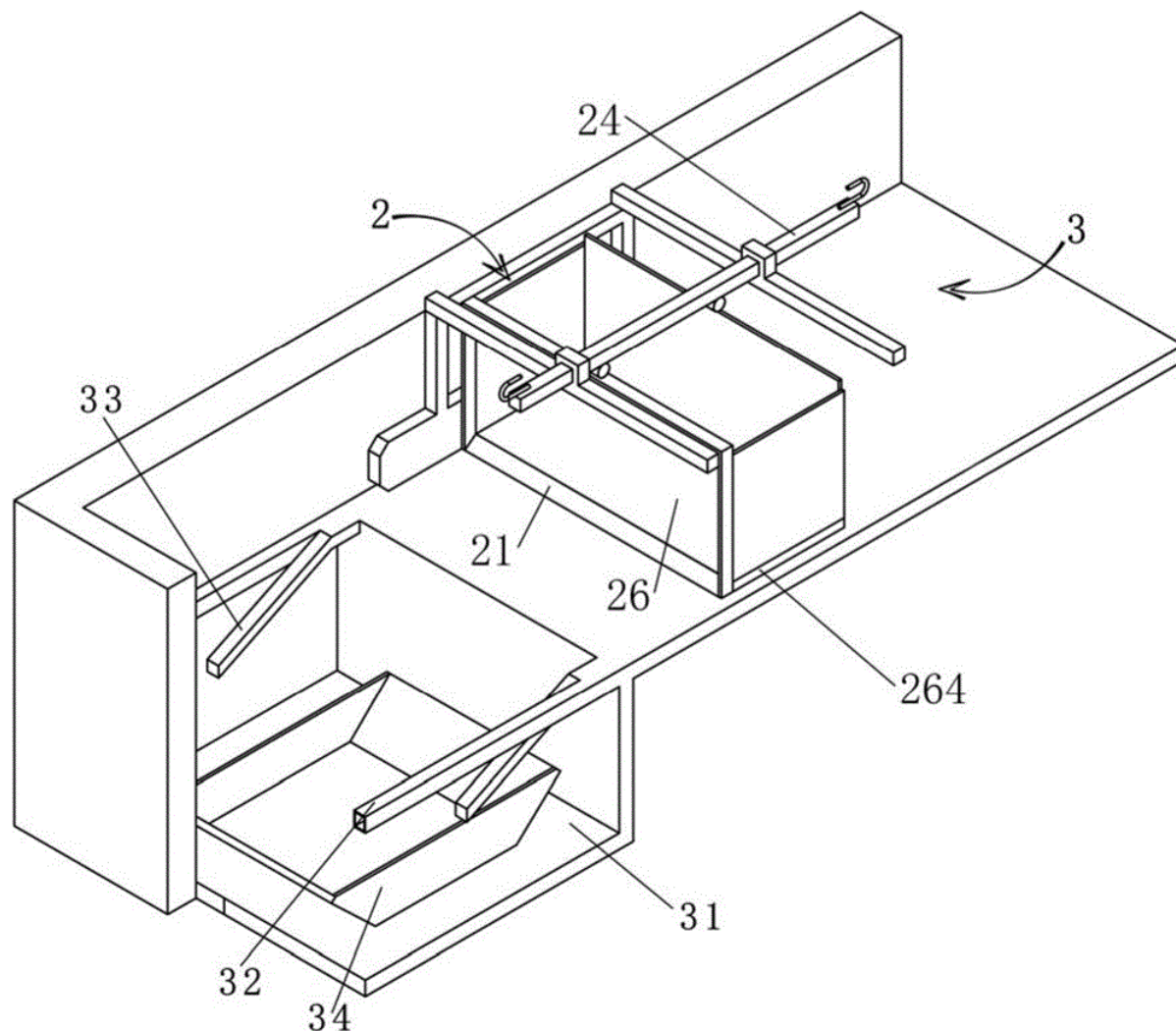
XU FANSHUN

Family 3/10 - FAMPAT - ©Questel

Title

(CN205623701U)

Pig house excrement ditch dung scraping plate formula collecting system

Images**Publication data including kind & date**[CN205623701](#)

U

2016-10-12

CN205623701U

**Abstract**

(CN205623701U)

The utility model relates to an animal house's fecaluria is clear away, in particular to pig house excrement ditch dung scraping plate formula collecting system, including scraping excrement unit (2) and collector unit, scrape excrement unit (2) and arrange in excrement ditch (3), the collector unit is carried excrement well (31) and is set up the end in excrement ditch (3) including carrying excrement well (31), carrying excrement fill (34), and carry excrement well (31) bottom and placed and carry excrement fill (34), scrape excrement unit (2) including dung scraping plate (21), support slide (22), frame (23), traction lever (24), dung scraping plate rotational pin axle (25) and excrement fill (26), the collector unit unloads excrement track (32) including inclined plane excrement track (33) and the level of unloading, because under the haulage rope can effective trailing condition, can improve the biggest clear excrement volume that at every turn scrape the excrement through adding the volume that the human excrement fought, consequently can strengthen the time interval of twice clear excrement, reduces the waiting time and the number of times of transport vechicle, reliable, high -efficiently with remote transportation still the field mode form a complete set.

Inventors

CHEN GANG

HUO FUXIN

LI BAOMING

SHI ZHENGXIANG

WANG CHAOYUAN

ZHAO LONGCHUN

Latest standardized assignees - inventors removed

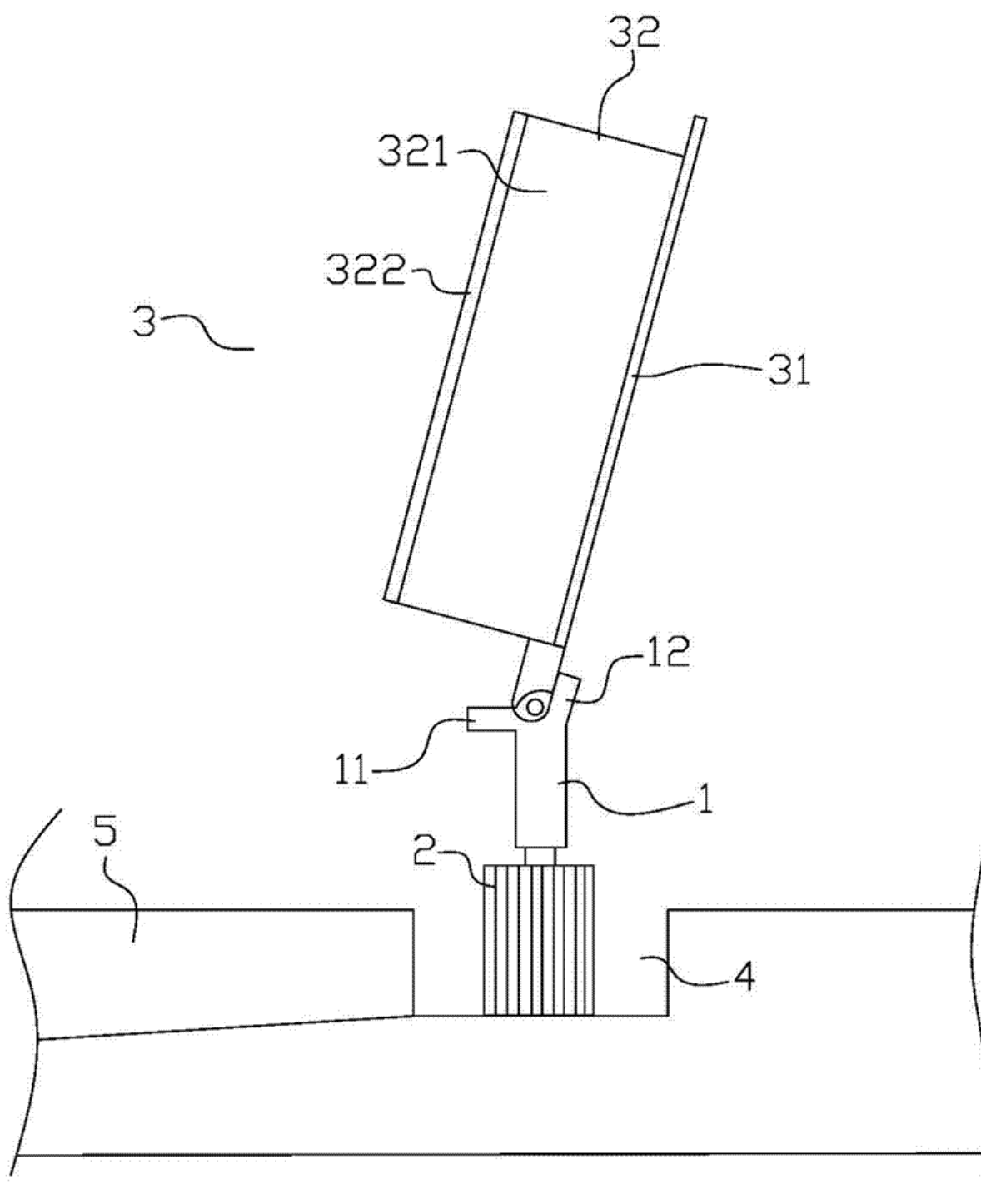
CHINA AGRICULTURAL UNIVERSITY

Family 4/10 - FAMPAT - ©Questel

Title

(CN207543963U)

A faeces collector for breeding house

Images

Publication data including kind & date[CN207543963](#)

U 2018-06-29

CN207543963U

**Abstract**

(CN207543963U)

The utility model discloses a faeces collector for breeding house belongs to domestic animal poultry farming technology field, includes: a rotatable supporting rod sets up in a culture area's middle part, a motor, set up in rotatable supporting rod's bottom drives rotatable supporting rod rotates, excrement and urine cleaning scraper blade, including a connecting rod with set up in scraper blade on the connecting rod, the one end of connecting rod articulate in rotatable supporting rod's upper end is in the state that cleans lower time, settings of keeping flat of excrement and urine cleaningscraper blade, at recovery state lower time, the setting is placed vertically to excrement and urine cleaning scraper blade, a storage tank, set up in rotatable supporting rod's below, one album of excrement slot, set up in on the region is swept to the scraping of excrement and urine cleaning scraper blade, and one end with the storage tank is linked together, and the other end is linked togetherwith the dejection collecting container.This faeces collector is used for the dejection collecting of poultry and livestock's breed house, and its convenient operation, treatment effect are good topartial manpower cost and hydropower resources have been practiced thrift.

Inventors

LIN JINGYONG

Latest standardized assignees - inventors removed

FUQING CITY SHENGHUA MODERN FARMER COOPERATIVES

Family 5/10 - FAMPAT - ©Questel

Title

(CN201905109U)

Pet toilet

Publication data including kind & date[CN201905109](#)

U 2011-07-27

CN201905109U

**Abstract**

(CN201905109U)

The utility model relates to a pet toilet which comprises a dejection cleaner and a dejection collector, wherein the dejection cleaner comprises a slab for a pet to excrete; a scraper is arranged above the slab; a first side of the slab is provided with a lead screw used for driving the scarper to move on the slab; a second side of the slab is provided with a slide bar; one end of the scarper is matched with the screw; the other end of the scraper is connected with the slide bar in a sliding way; the end part of the lead screw is connected with a drive motor used for driving the lead screw to rotate; and the dejection collector is arranged at the tail end of the slab.In the pet toilet, the lead screw is adopted to drive the scraper to move so as to scrape dejections excreted on the slab by animals into the dejection collector.The scraper moves stably; and the cleaning effect is good.Moreover, the pet toilet has simple structure and very good practical values.

Inventors

ZHANG ZHANGQING

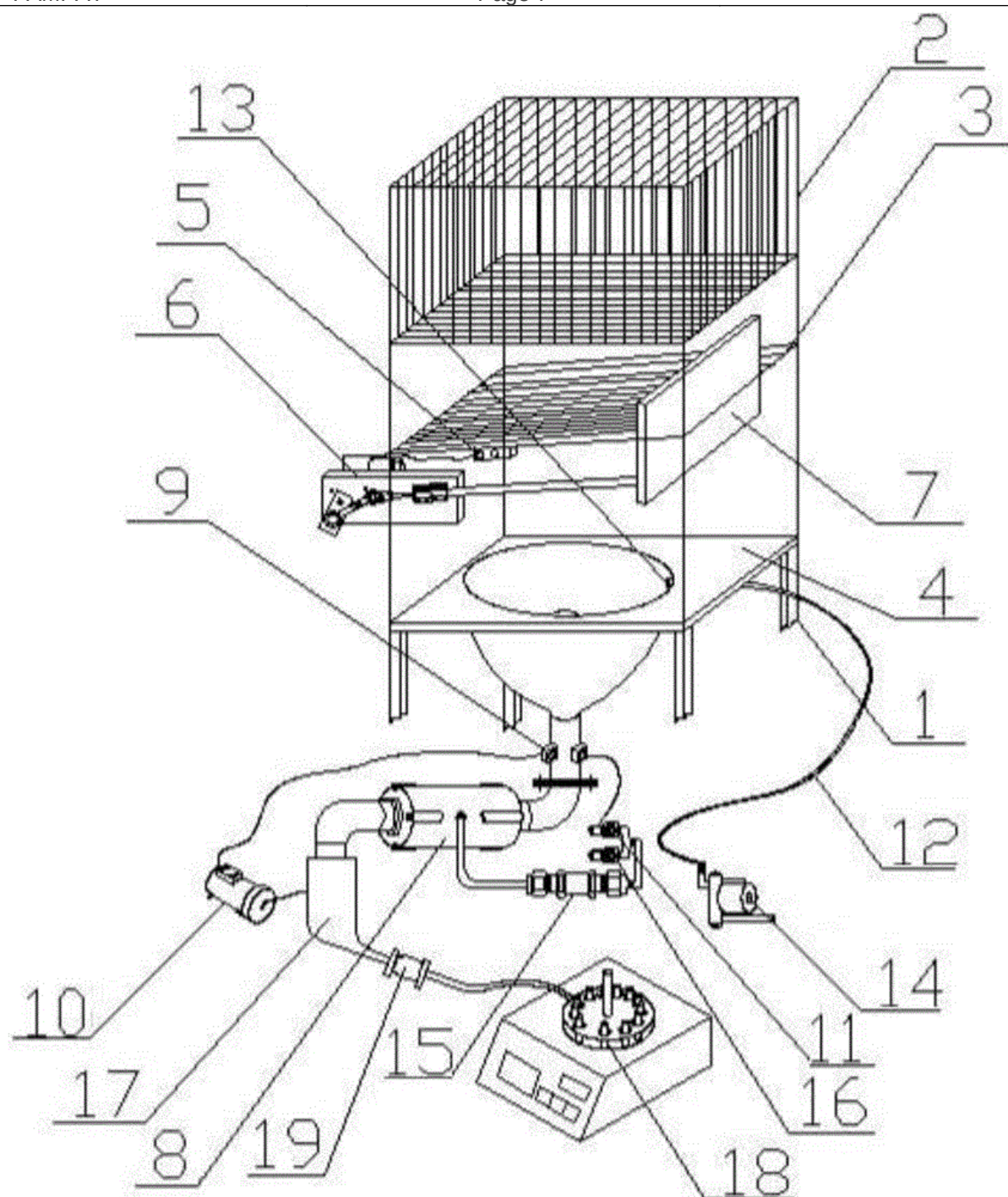
Family 6/10 - FAMPAT - ©Questel

Title

(CN205671212U)

A device that is used for animal metabolism experiment fecaluria autosegregation and regularly collects

Images



Publication data including kind & date

CN205671212

U 2016-11-09 CN205671212U



Abstract

(CN205671212U)

The utility model relates to a device that is used for animal metabolism experiment fecaluria autosegregation and regularly collects belongs to animal experiment utensil technical field. Including support, rearing cage, fecaluria separator and fecaluria collection save set, on the rearing cage was fixed in the support, the rearing cage bottom was the net bars, fecaluria separator sets up in the rearing cage below, and the fecaluria is collected the save set and is included that the urine regularly collects save set and excrement and urine sample collector, and the save set setting is regularly collected in controllable thermostated container to the urine, and the urine is regularly collected the save set and is included casing, carousel, rotation axis, timer and sample collection tube, compare with prior art, the device provided by the utility model can effectively carry out the fecaluria separation, can regularly collect again and decide the device that is used for the separation of animal metabolism experiment fecaluria to collect that the temperature was preserved, make the separation of metabolism fecaluria more effective to can be regularly, decide the temperature and collect and preserve specimen sample, device convenient to use ization, safe and reliable, with low costs, easily popularize and apply.

Inventors

DAI YUAN

LENG JINSONG

WANG TINGXIU

LIU JINGBO

MA ZHONGSU

Latest standardized assignees - inventors removed

JILIN UNIVERSITY

Family 7/10 - FAMPAT - ©Questel

Title

(WO201810194)

System and method for separating large-scale pig farm contaminant sources

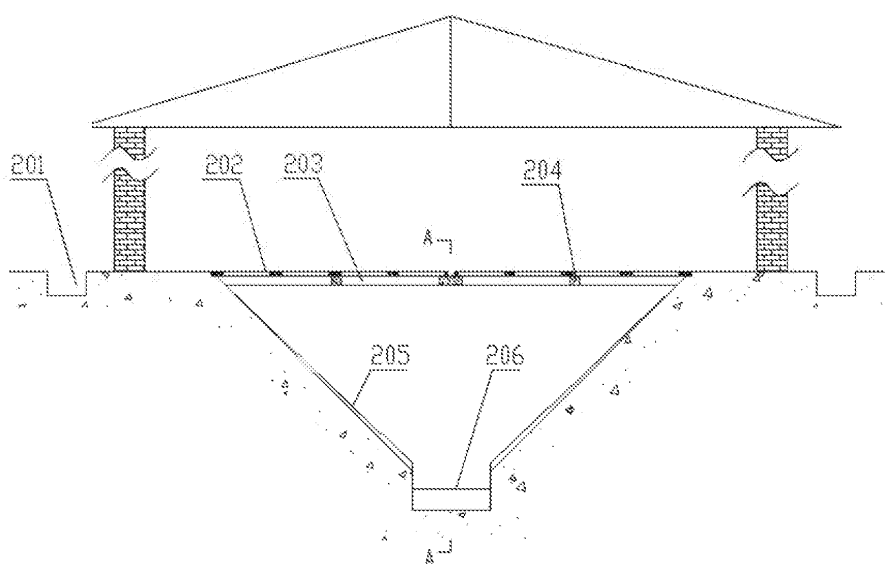
Images

图 1

Publication data including kind & date[CN105993973](#)

A

2016-10-12

CN105993973

[WO2018010194](#)

A1

2018-01-18

WO201810194

**Abstract**

(WO201810194)

A system and a method for separating large-scale pig farm contaminant sources, comprising a rain and contaminant diverting pigsty, a residual pig drinking water collecting and drainage apparatus, and a pig excrement and urine and stall flushing water separating and collecting apparatus; the outside of the side wall of the rain and contaminant diverting pigsty is provided with a rainwater drainage channel (201); a drainage pipeline (101) of the residual pig drinking water collecting and drainage apparatus is connected to the rainwater drainage channel (201) outside the side wall; the pig excrement and urine and stall flushing water separating and collecting apparatus comprises: a slatted floor (202) being installed in the rain and contaminant diverting pigsty, a V-shaped sloping surface (205) being arranged below the slatted floor (230), the bottom end of the V-shaped sloping surface (205) being an excrement clearing ditch, an excrement scraping system being

arranged inside the excrement clearing ditch (206), the very bottom end of the excrement clearing ditch (206) being connected to an excrement collecting pit (306), and an input pipeline of a sludge pump (307) being arranged at the bottom of the excrement collecting pit (306). Separation of excrement and urine, rainwater, residual drinking water, and stall flushing water is thereby implemented, such that the excrement and urine and the stall flushing water are respectively automatically collected, laying a solid foundation for the utilisation of excrement and urine as a resource and achieving drainage standards for stall flushing water processing.

Inventors

WANG SHEN

KUANG WEN

WNAG JUNCAN

Latest standardized assignees - inventors removed

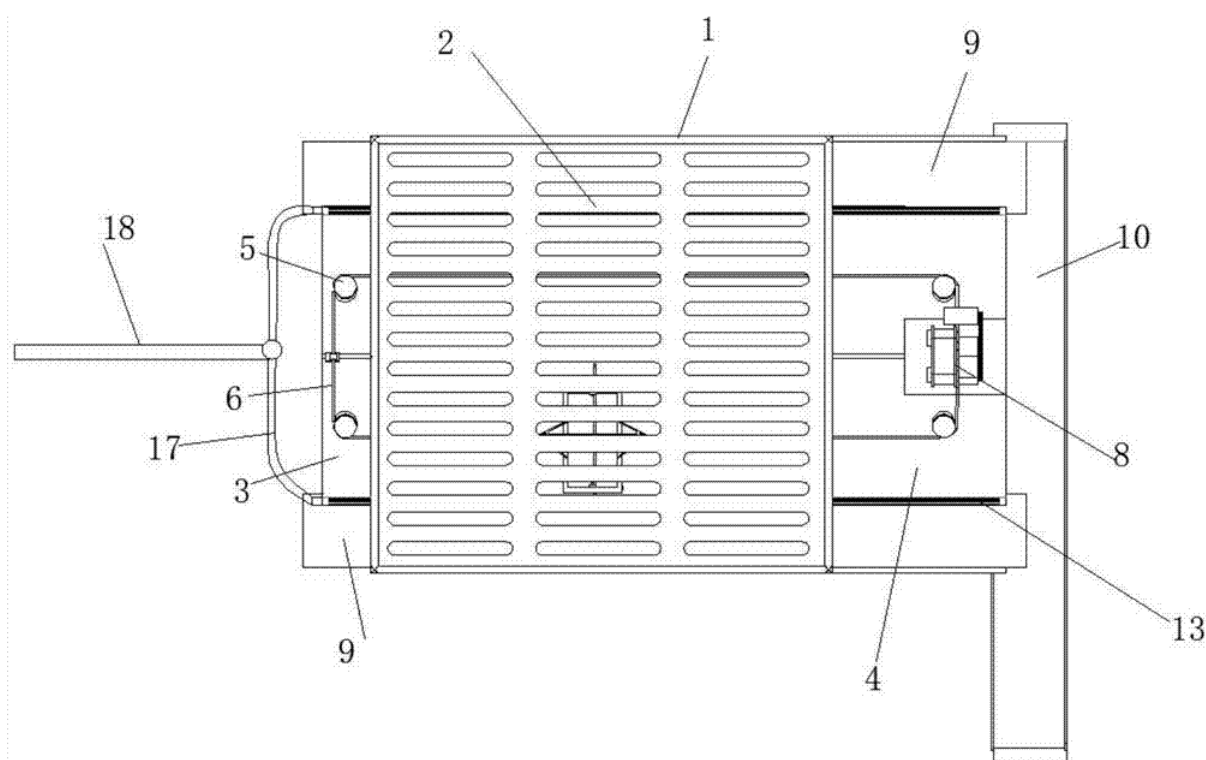
HUNAN SAKAL ENVIRONMENTAL SCIENCE & TECHNOLOGY

Family 8/10 - FAMPAT - ©Questel

Title

(CN207151519U)

Double slope set septic tank urine guiding device

Images**Publication data including kind & date**[CN207151519](#)

U

2018-03-30

CN207151519U

**Abstract**

(CN207151519U)

The utility model discloses a double slope set septic tank urine guiding device, including the fence, leak the excrement floor, set septic tank is provided with on the bottom surface and scrapes the dung -cart for the excrement and urine that will scatter in set septic tank draws in in, its characterized in that: set septic tank's bottom surface be the double slope structure, the outside of the bottom that two inclined plane bed forms become be provided with with the inclined plane at the bottom of the unanimous biography excrement area of length, it sets up the structure into round -corner edge to be close to the edge that passes the excrement area at the bottom of the inclined plane, this round -corner edge department is provided with the leakage of urine seam, it connects the urine groove to be provided with between leakage of urine seam lower extreme and the biography excrement area, the urine groove department that connects that passes the one end department in excrement area is provided with the catheter, and the catheter gathers to urine collection pipe department,

roll to fall at the bottom of the excrement and urine follow inclined plane of production in the sheep growth course and pass on the excrement area, when the urine flows into the leakage of urine seam department of round -corner edge department under the effect of gravity, and then flow in and connect urine inthe groove, separately handling of excrement and urine and urine has been realized, clearance excrement and urine is effectual.

Inventors

LI XIAOSHENG

LI ZHONGHUI

Latest standardized assignees - inventors removed

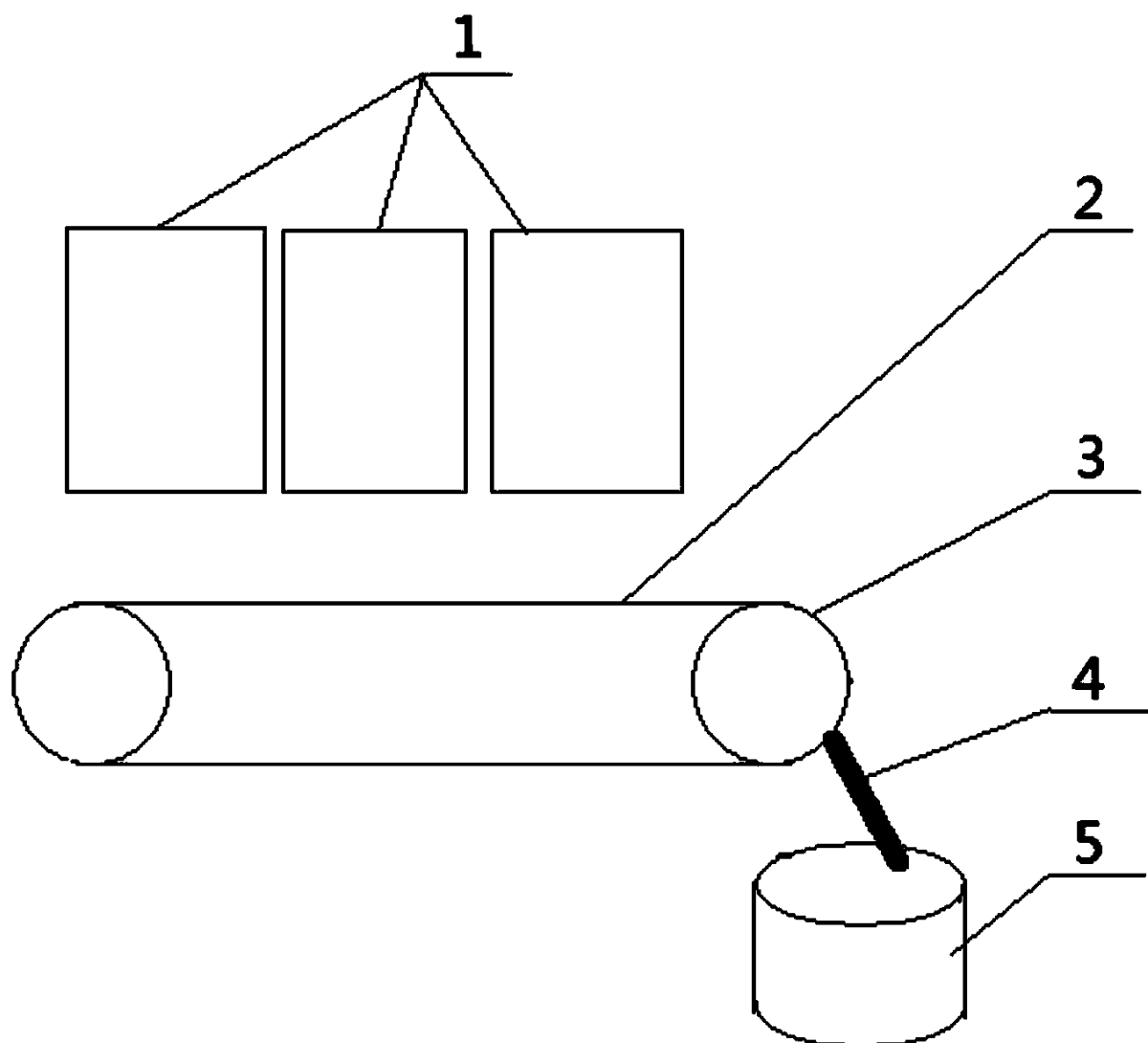
HENAN YASHENG ANIMAL HUSBANDRY

Family 9/10 - FAMPAT - ©Questel

Title

(CN204393051U)

Feeding equipment and collection device

Images**Publication data including kind & date**[CN204393051](#)

U

2015-06-17

CN204393051U

**Abstract**

(CN204393051U)

The utility model relates to the technical field of animal feeding, in particular to feeding equipment and a collection device. The collection device is used for collecting excrements of experimental animals in a feeding cage, and comprises a driving device, a driving wheel driven by the driving device, a conveyor belt rolling along with the rotation of the driving wheel, an excrement collector and a scraper for scraping the excrements, wherein the conveyor belt is arranged below the

feeding cage; the first end of the scraper is positioned at the attachment section position of the conveyor belt and the driving wheel, and is pressed against the conveyor belt; the first end of the scraper is higher than the second end of the scraper in the perpendicular direction; the second end of the scraper and the driving wheel are positioned at the upper part of the excrement collector. By such a structure, the excrements can be automatically collected and cleaned through the collection device, and compared with a cleaning manner of scouring the excrements with water by an operator in the prior art, such a manner has the advantages that the labor intensity is obviously reduced, and in addition, water resources are saved.

Inventors

FANG YUANZHENG

CHEN YANGLIU

LI QUAN

Li Jing

LIAO XIAOSHU

LI QUANXUE

Latest standardized assignees - inventors removed

HUNAN KELUN PHARMACEUTICAL

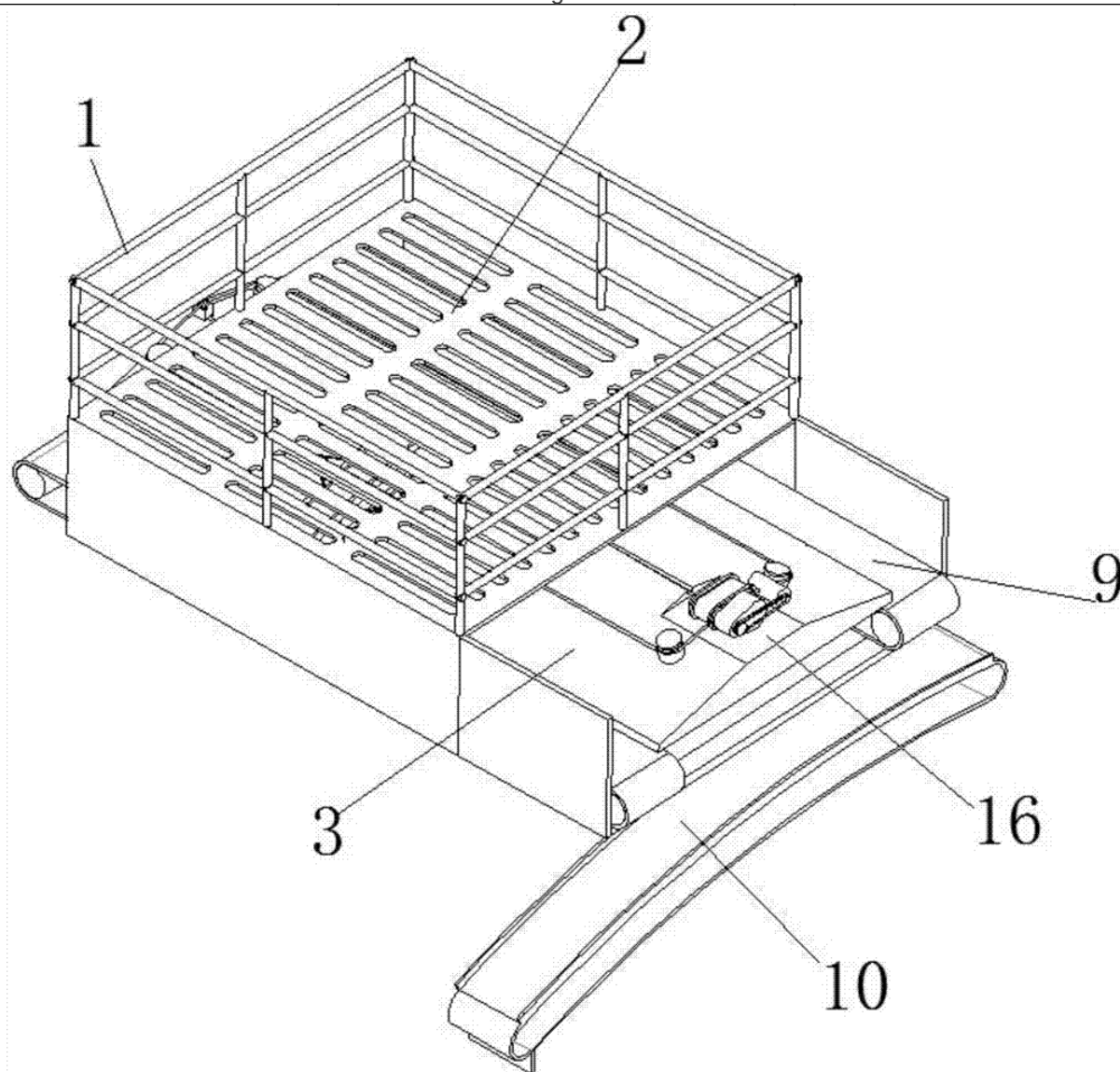
Family 10/10 - FAMPAT - ©Questel

Title

(CN107372137)

Dual-slope feces collection pool and feces scraping device

Images

**Publication data including kind & date**[CN107372137](#)

A

2017-11-24

CN107372137

**Abstract**

(CN107372137)

The invention discloses a dual-slope feces collection pool and a feces scraping device. The feces collection pool is characterized in that a dual-slope structure is disposed on the bottom of the feces collection pool; the structure is composed of two slope bottoms; the middle part of the bottom of the feces collection pool is higher and two sides of the bottom of the feces collection pool are lower because of the two slope bottoms; feces conveying belts of which the length is consistent with the slope bottom length are disposed on the outer sides of the bottom formed by the two slop bottoms; a weight sensor is disposed on the feces conveying belt; a horizontal feces transport belt is disposed on one end of the feces conveying belt; feces falling into the feces collection pool rolls onto the feces conveying belts which are located on two ends of the slope bottom; the feces is then delivered out by the feces conveying belts; feces which does not roll onto the feces conveying belts is scraped and delivered out from a sheet cot by a drive device which drives a feces scraping car; and during scraping and delivery, one part of the feces rolls onto the feces belts along with the slop bottom, the other part is scraped out from the sheet cot, and then workers use tools to push the feces onto the feces conveying belts. In comparison with a former structure with a singular feces scraping car, the structure is more reliable and effort-saving; feces cleaning effects are good; and labor cost is reduced greatly.

Inventors

LI XIAOSHENG

LI ZHONGHUI

LI WANTAI

Latest standardized assignees - inventors removed

HENAN YASHENG ANIMAL HUSBANDRY