

# ENGINEERING COMMUNIQUÉ

JAY R. SMITH MFG. CO.® ♦ September, 2011 ♦ VOLUME 1- ISSUE 10



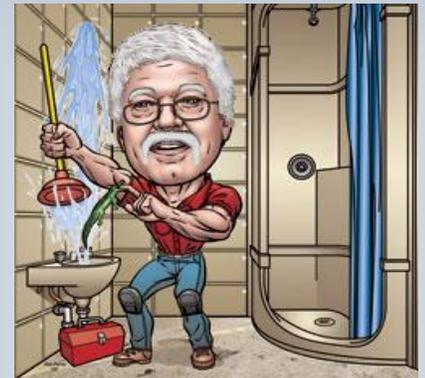
FAMILY OF COMPANIES

From:

## THE SMITH ENGINEERING GROUP

### PRODUCT ALERT: SQ-8-2180 Animal Fur Interceptor

A major pet store with grooming facilities was experiencing repeated stoppages because of the animal fur clogging the sewer lines. This unit was developed and designed to accommodate the flow along with the anticipated quantity of fur. A removable sediment bucket constructed of stainless steel framing and mesh was supplied meeting the requirement of a durable and non-corrodible material. In addition, a removable secondary screen constructed of a finer mesh than the bucket was located between the bucket and outlet. Its function was to catch the smaller and finer fur that passes through the bucket. The secondary screen is easily removed for cleaning purposes. The unit was designed with the outlet lower than the inlet allowing the liquid to fall into and flow through the bucket. Four sizes are available depending on the flow rate. This unit is also suitable for other applications including veterinary clinics, kennels, and where ever animal fur may present a problem. See the accompanying submittal. Do not confuse this with human hair as there is another interceptor designed for that application (SQ-8-4192).



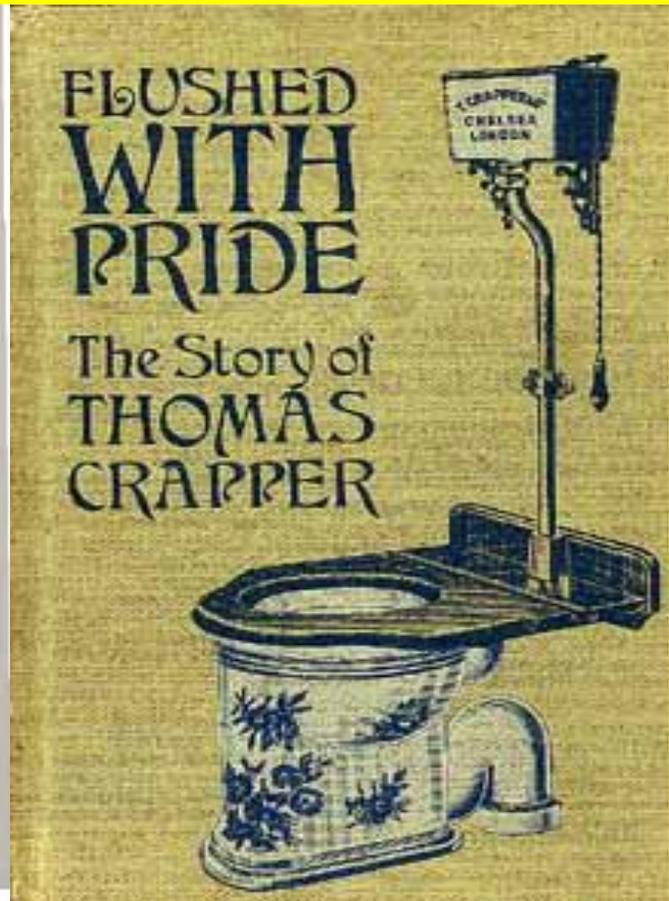
#### TOILETS (WATER CLOSETS)

King Minos of Crete had the first flushing water closet recorded in history over 2800 years ago. The ancient Romans had a system of sewers. They built simple outhouses or latrines over the running waters of the sewers that discharged into the river. Chamber pots were used during the middle ages. The contents were tossed out the window. Be aware of which window you are peeping in! In 1596, a flush toilet was invented and built for Queen Elizabeth I by her Godson, Sir John Harrington. The first patent for the flushing toilet was issued to Alexander Cummings in 1775. During the 1800s, people realized that poor sanitary conditions caused diseases and having toilet and sewer systems that could control human waste became a priority to lawmakers, medical personnel and the public. In 1829, the Tremont Hotel in Boston became the first hotel in the USA to have indoor plumbing and had eight toilets built by Isaiah Rogers.

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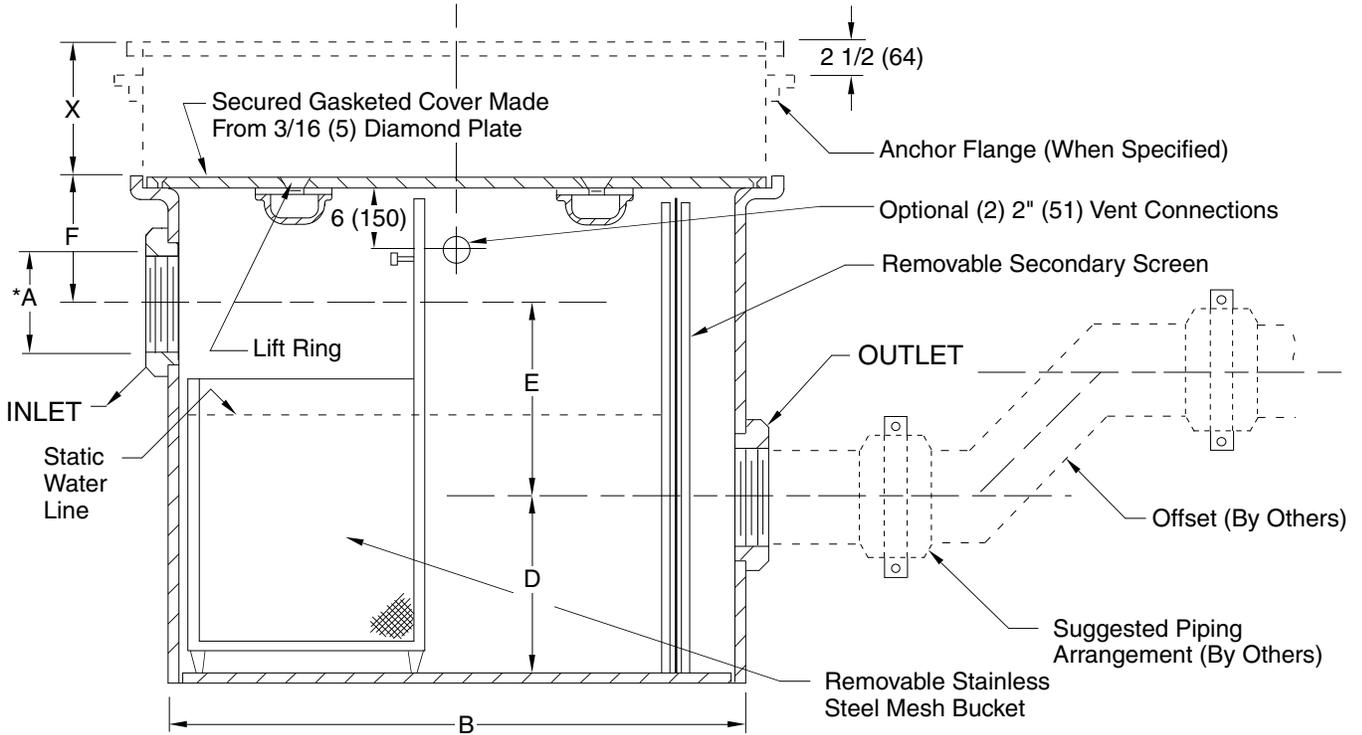
*(continued from front page)*

Beginning in 1910, toilet designs started changing away from the elevated water tank into the modern tank with a close coupled tank and bowl. By placing the tank (or cistern) high up on the wall above the lavatory provided a good pressure or head of water, delivered by means of a syphon. This provided a very effective flush. The first packaged toilet paper was the 1857 invention of American Joseph Gayetty and titled Gayetty's Medicated Paper. In 1880, the British Perforated Paper Company created a paper product to be used for wiping after using the toilet that came in boxes of small pre-cut squares. In 1879, the Scott Paper Company began selling the first toilet paper on a roll but toilet paper in roll form did not become common until 1907. Corn cob please! In 1942, the first two ply toilet paper was introduced.



# LARGE ANIMAL FUR/HAIR INTERCEPTORS

**FUNCTION:** Installed in waste line serving a kennel grooming area to intercept animal fur/hair to eliminated potential stoppage.



C = Body Width  
 X = Specify Additional Height Required

**NOTE:** It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.

Fig. No.	GPM Flow Rate	* Inlet & Outlet Size	Dimensions						Securing Screws In Cover
			Body			Roughing Dimensions			
			Length	Width	D	E	F		
SQ-8-2180	10	03 (75)	20 (510)	24 (610)	12 (305)	12 (305)	8 (205)	8	
SQ-8-2180	20	03 (75)	30 (760)	24 (610)	12 (305)	12 (305)	8 (205)	8	
SQ-8-2180	25	04 (100)	36 (915)	24 (610)	12 (305)	12 (305)	8 (205)	8	
SQ-8-2180	50	04 (100)	40(1015)	26 (660)	12 (305)	12 (305)	8 (205)	10	

\*Specify larger or smaller inlets/outlets as required.

**NOTE:** Dimensions shown in parentheses are in millimeters.

**REGULARLY FURNISHED:**

Fabricated Steel with Gray Duco Coating and Stainless Steel Mesh Bucket, Stainless Steel Secondary Screen, 3/16" (5) Diamond Plate Cover (Secured & Gasketed) and Threaded Inlet and Outlet.

**VARIATIONS;**

- All Stainless Steel Unit -SS
- Anchor Flange -F
- Extension -E Specify height eg: -E06 for 6"(150) Ext
- Flashing Flange with Flashing Clamp -F-C
- NO-HUB Inlet & Outlet Connection
- Option (2) 2" (51) Threaded Vent Connections - VC

DRAWING NUMBER  
SSQ-8-2180

SIZE  
A

SCALE:  
NONE

DATE:  
8-30-98

APPROVED BY:  
McD

CHECKED BY:  
JM

DRAWN BY:  
CMD

**SQ-8-2180**

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

**FIGURE NUMBER**  
**SQ-8-2180**