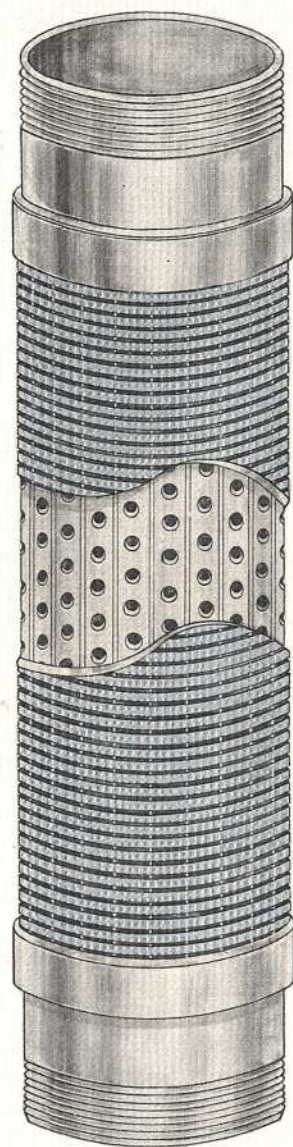


classified screen to fit every capacity of wells

WELLMASTER

WELL SCREENS



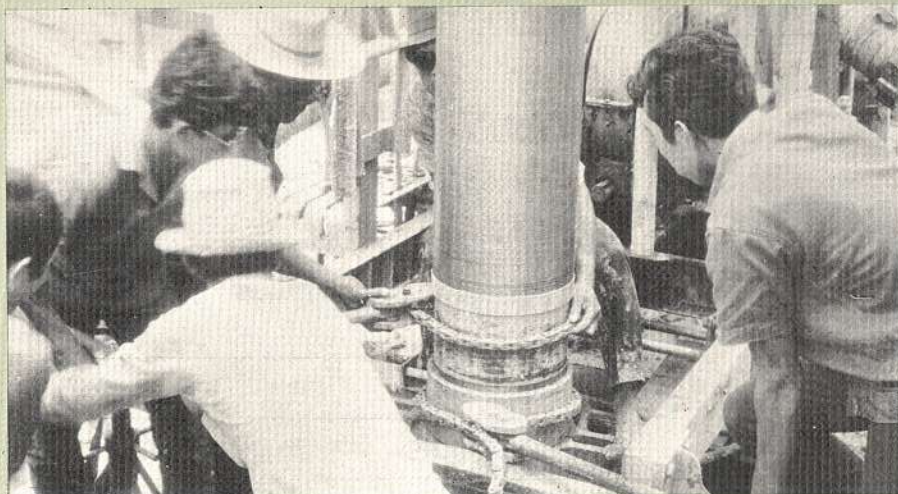
WHY DO I RECOMMEND THE WELLMASTER WELL SCREEN? Because I am the well expert. I have been in this business for over 20 years. I have had the opportunity to install many different types of screens for the wells I have drilled. I found that each screen has its superior and inferior points. For example, the

Another type of well screen that I have used has a pipe core, but it has lead welding. The owners of wells are not completely satisfied with this type of screen as some of the lead may dissolve and may be dangerous to our health. They cannot manage the proper slot opening for the sand encountered.

All the material used in constructing the WELLMASTER well screen is imported from foreign countries. The longitudinal rod 6 mm. in diameter and the screen jacket are all stainless steel type 304, similar to the best screen in the world available today, but WELLMASTER is stronger because of its pipe core which protects the screen from collapse. The wire that forms the screen jacket is grooved into the rods—one third of their depth. Therefore it is strong and is able to be pulled up after installation in water bearing formations, if the quality is found unsatisfactory.

After you pull the screen and find that the wire is displaced or damaged, WELLMASTER will exchange it for a new one, free of charge.

This proves that WELLMASTER is the best screen and is the only screen that is guaranteed against damage from pulling. Both the private and government sectors in Thailand are using WELLMASTER instead of imported screens. WELLMASTER also exports to various countries outside of Thailand. The price is competitive but the quality is superior.



Installing Wellmaster 12" stainless steel well screen

screen that has no pipe as its core will collapse while surging. After we install the screen and we find that the quality and quantity of water have not met the requirements, we cannot pull the screen up because it will damage while pulling.

So I have done research and produced the WELLMASTER well screen to overcome all these weak and inferior points. I have combined all the good points in the WELLMASTER well screen. For this reason, I have become the most popular and active water well contractor in Thailand.

Description	Perforate Pipe Sizes					Remarks
	4"	6"	8"	10"	12"	
Number of vertical rod 6mm	14	20	26	30	36	WELLMASTER Pipe Base well screen, pipe thread and length according to API standard weight thread line pipe, 5L, grade B
Size of hole	$\frac{3}{4}"$	$\frac{3}{4}"$	$\frac{3}{4}"$	$\frac{3}{4}"$	$\frac{3}{4}"$	
Number of hole per foot	56	80	91	105	126	
Shipping weight — screen 20'	326 #	555 #	626 #	1078 #	1281 #	
Shipping weight — screen 10'	168	284	374	498	663	

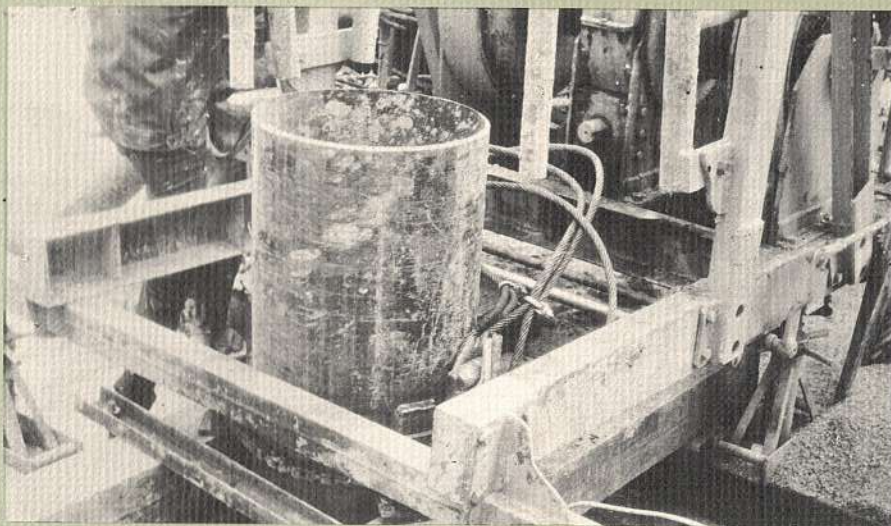
WHY DO INDUSTRIES, COMPANIES SUPPLYING DRINKING WATER, AND OWNERS OF WELLS RELY ON THE WELLMASTER WELLSCREEN? This is because the WELLMASTER screen of 6-inch and larger diameter has a maximum intake area and assures sand-free water. WELLMASTER's creative research and experience in using other screens for years make WELLMASTER the most perfect screen available today. WELLMASTER can provide the slot openings suitable for gravel packing, and gravel matched to the sand encountered. This results in pumping more water, with less drawdown when compared with other screens yielding the same capacity.

WELLMASTER saves money in pumping equipment, and saves daily pumping expense. The wells constructed by our company, or by others using our screen as per our recommendation, will receive a long guarantee. This is the warranty for a sand-free well.

If you want to save money in water well construction, save money in purchasing pumping equipment, and save daily operating expenses—e.g. power consumption, electricity, maintenance cost—in the long run, then demand the WELLMASTER. You will receive the aforesaid warranty if you have your wells constructed as per our advice.

There are some people who question that WELLMASTER given a greater capacity than other screens that have no pipe

core. I guarantee that the WELLMASTER well screen gives a greater percentage of openings than any other screen you have ever tried. This is because the outside diameter of WELLMASTER is larger than other makes, the pipe core having a larger intake area than the screen jacket. After the screen is installed and gravel packed, the intake area of the screen jacket remains about 12%. This means that when the



proper sizes of gravel are used, the opening area of the core remains unchanged.

For example, in a 6 inch WELLMASTER screen, slot No. 40, the intake area has 78 sq. inches per linear foot. After the proper gravel has been packed around the screen, the intake area is approximately 12%. You can have a greater percentage of open area, if bigger sizes of gravel are used, but you must consider whether the gravel will keep out the sand.

This is an 18 inch casing gravel packed well in Samutprakarn Province, Using the "Reverse Circulation Rotary" completed with Wellmaster stainless steel well screen

*32" hole — 500 feet depth
Capacity 1600 gallons per minute*

*Static water level 80 feet
Pumping level 95 feet
Constructed by S. Sang Hattha
karn Co., Ltd.*

DIMENSION AND OPEN AREA

Screen Sizes - Inches		Square Inches Of Open Area Per Foot Of Screen								
		Slot Opening No.								
Nominal (Inside Diameter of Casing)	O.D.	10	15	20	25	30	35	40	45	50
4	5.000	17	25	32	38	44	49	55	59	64
6	7.200	25	36	46	55	64	71	79	86	92
8	9.200	32	46	59	71	81	91	101	109	118
10	11.300	39	57	72	87	100	112	124	135	144
12	13.300	46	67	85	102	118	132	146	158	170

Open area may vary some what from these figures, due to the tolerance of material.

THE SUCCESS OF THE WELLS

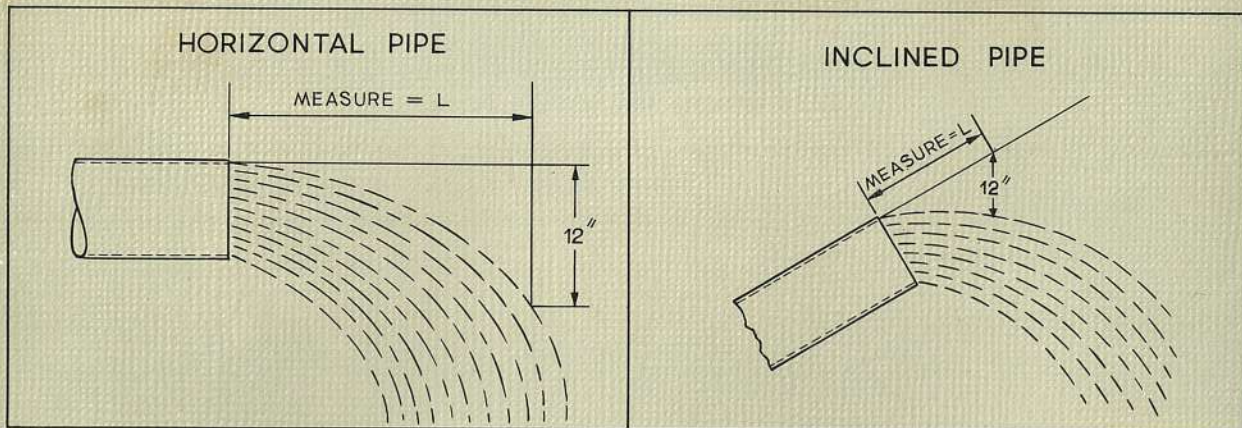
The selection of a well screen is the key factor in the well. It determines the **SUCCESS OR FAILURE** of the well. In a successful well, the water should be free from sand, provide a maximum quantity of water, with a minimum drawdown. Wells are constructed not only for the present but also for the future. It is necessary to select the screen that is able to produce more water than the present requirement, because the yield of the well often decreases year by year, due to the clogging of the slot open-

ings from calcium deposits, etc. The pumping water level drops lower and lower.

Therefore, if you select the screen that is suitable for present consumption only, you will no doubt have to reconstruct the well later. The fact is that the yield decreases but consumption generally increases.

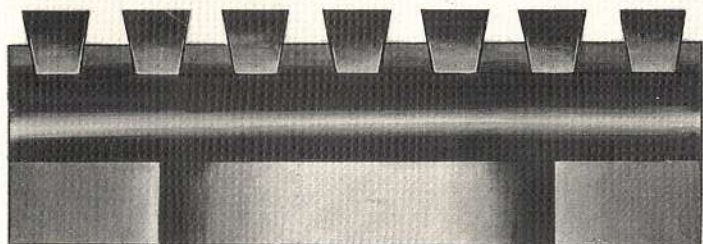
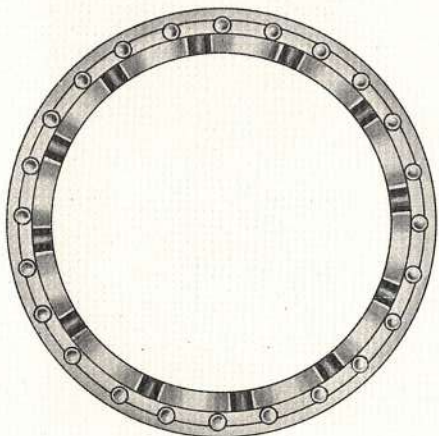
The **WELLMASTER** well screen has the maximum percentage of open area. It works efficiently year after year.

Measuring Water - Full Pipe Method



Approximate Flow In Gallon Per Minute

Dia. Pipe Inches	Horizontal Distance In Inches = L									
	12	14	16	18	20	22	24	26	28	30
1	9	11	12	14	15	17	19	20	22	23
1½	21	25	28	32	35	39	43	46	50	53
2	41	48	55	61	68	75	82	89	96	102
2½	59	69	79	89	99	109	119	129	139	149
3	90	105	120	135	150	165	180	195	210	225
4	150	181	207	232	258	284	310	336	361	387
5	239	279	318	358	398	438	478	518	558	598
6	352	410	470	528	587	645	705	762	821	880
8	610	712	813	915	1017	1119	1221	1322	1425	1527
10	960	1120	1280	1440	1600	1760	1920	2080	2240	2400
12	1378	1607	1835	2032	2300	2521	2760	2980	3210	3430



Section through the WELLMASTER stainless steel well screen, perforate pipe base type.