A GOOD GOVERNOR.

Shows at All Times the Temperature and Condition of Steam.

Mr. S. M. Calland believes he has a device which will make perfect castings without heat, lubrication, foul odor, gas, mold or any waste. He declares that now will all 70 to 80 pounds of his castings produced by his invention and have none. He gives the following drawings, with an interview, to a member of the Saint New Yorker staff.

Mr. Calland says of the accompanied: "It is really a set of one inch iron pipes, with one-eighth inch holes six inches

FIG. 1—SHOWS SCHEMATIC.

apart, within three to four feet of every part of the castings. These pipes cover the air under the bottom of the sile to the outside. We also put another pipe from the center of the sile, with a perpendicular pipe coming up through the furnace to the top. It is all shown in the cut. Fig. 1 shows the pipes at the bottom which are joined by a frame, with an outlet or drip pipe at B. All these pipes are perforated on their underside with one-fourth inch holes.

"Fig. 2 shows the upper generator in place. It shows how both generators connect with the top part of the sile through the pipes m and g. Fig. 3 shows an enlarged section of pipe, as does Fig. 4, while Fig. 5 shows the structure at the top of the side pipe. The numerous other letters given in the different figures refer to the manner of joining the pipes. Those previous continues to remove the air as soon as the corn covers them, and while the sile is being filled, and for two months while the forage is under pressure.

"We apply a powerful pressure by means of strong jackscrews at the top of the sile. You can see how it works. We

FIG. 2.

fill the sile and put on the pressure. The air and gases are forced out through the pipes, and as the sile is absolutely air-tight it is as impossible for fermentation to set in as in the case of canning fruits or vegetables. Capillary attraction is set up. If there is any carbonic acid in the sile, it is absorbed under pressure, and the same with acetic acid.

"Both these acids are healthful and beneficial to cattle and tend to form a vacuum by reason of their absorption, which with the capillary attraction carries the free juice to the very top of the mass, where it is equally distributed through the generators. All the air is displaced by the juice, and we have a solid, wet mass of preserved forage that we can cut down vertically from top to bottom without the juice coming out of the face of the cut or the air getting in."

"This gives a uniform product, does it?"

"Yes, we can absolutely control its fermentation, and the result is a sweet and perfect food closer in composition to the green, growing corn than canned sweet corn is to the natural ear. Everybody knows what a difference there is between corn as it is cut in the field and when taken from the sile. Another point

FIG 3

FIG 4

FIG 5.

is that there is absolutely no waste about this analage. We do not have to continue about taking off but a few inches of a time for fear it will spoil. We can right down one side without any spoiling or injury. I tied it one month of the job—right through the summer I used it. How can it spoil when we have all the assurance that might spoil it absolutely under control?"

"Is your sile different from others?"

"The one I have is very strongly built of concrete and stone. It must be absolutely air-tight and strong enough to stand a powerful pressure. The walls must be exactly vertical, so that there occur no cracks will fall all the way down. I have since devised a plan for making such a sile of wood, thus removing the great objection to the system—its tendency to rot."

CURIOSITIES OF SEEING.

Remarkable Experiments Which Show How Easily Sight Is Deceived.

Some very remarkable experiments, which any one with a little care may repeat for himself, have recently been made on the comparative effects of white light on a screen of black velvet placed about 10 feet away, large letters are pasted, some blue and some red, on the white ball set upon a table at a distance from the screen. To some persons the red letters will appear to be at an equal distance from the screen. To some persons the red letters will appear nearer than the blue letters while to others the contrary effect will be observed, the blue letters appearing nearer than the red ones.

To produce this curious effect both

[illegible]

Rich Red Blood

Results from taking Hood's Sarsaparilla

Mr. Chas. Walker
Of San Francisco.

"For several years I have been troubled with thickness and pimples on my face and body, which were very annoying. I tried several preparations, and also other medicines, but they

Hood's Sarsaparilla Cures

did not seem to benefit me. I finally tried Hood's Sarsaparilla, and after taking three bottles I was astonished to see the pimples disappear and my face become free from blotches. I can now recommend it with the greatest confidence."

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After using two bottles, my son returned to the natural color of his hair, and he is as free from pimples and spots. I know that Hood's Sarsaparilla is my friend and I do not hesitate to recommend it to all." A. H. BOOTH, Cashier, Hudson River Bank, Poughkeepsie, N. Y.

Hood's Pills are the best after-dinner Pills, aids digestion, cure indigestion. 25c.

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We do a general Banking Business.

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