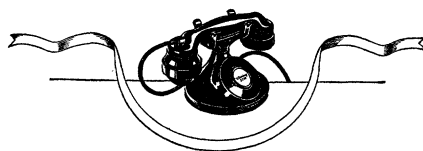

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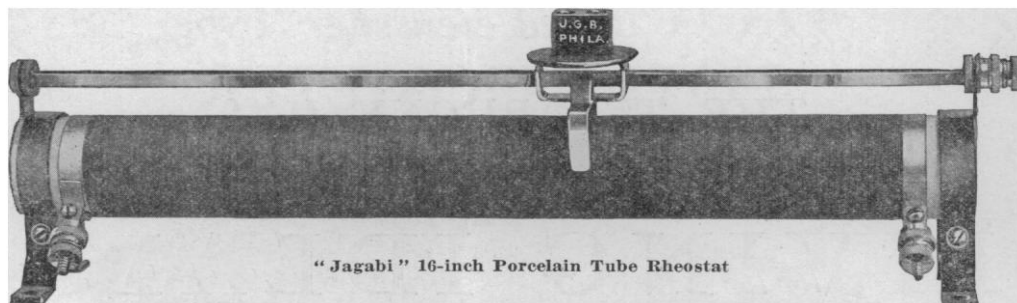
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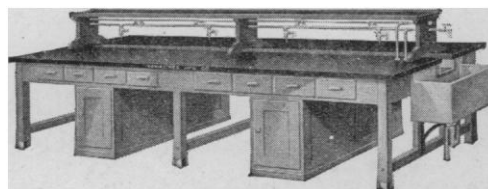
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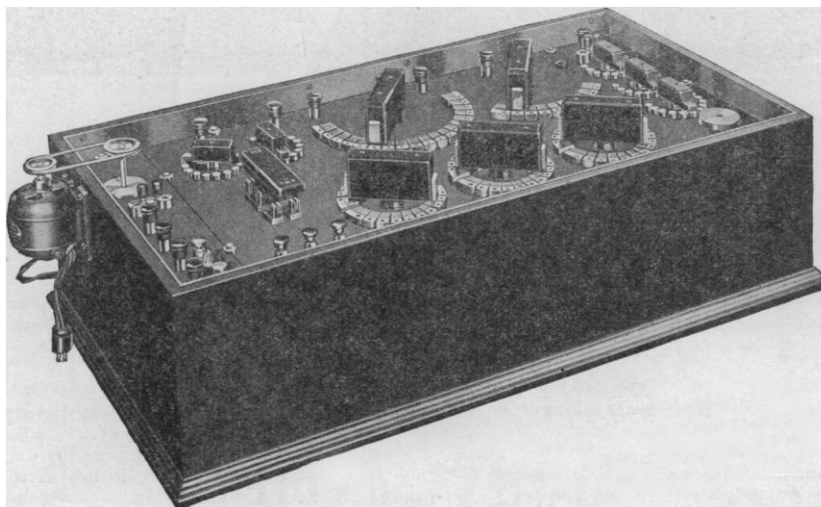


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¹ Rosa and Babcock—Bur. Stan. Bull. 4, 121 (1907). Thomas—Research Paper No. 201, Bureau of Standards.

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8811



8812

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Because of the current use of fillers or adulterants of light weight in compounding rubber, the specific gravity of stoppers can no longer be taken as a prime indication of suitable quality for laboratory use.

Our prices on these stoppers vary considerably because they are directly dependent on market fluctuations in the price of crude rubber. The prices current are, for this reason, so low as to make it undesirable, in our judgment, to use stoppers compounded from reclaimed rubber.

8810. Rubber Stoppers, A. H. T. Co. Specification, Solid, as above described, standard length.										
Size number	00	0	1	2	3	4	5	6	6½	
Diameter large end, mm	15	17	19	20	24	26	27	32	34	
Diameter small end, mm	10	13	14	16	18	20	23	26	27	
Approximate number in 1 lb. ..	120	80	60	55	42	33	28	20	17	
Per lb. ....	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
Code Word.....	Nyzho	Nyzlu	Nyzon	Nyzub	Oaabi	Oaafb	Oaaiiv	Oaalp	Oaamn	
Size number	7	8	9	10	10½	11	11½	12	13	
Diameter large end, mm	37	41	45	50	53	56	60	64	68	
Diameter small end, mm.....	30	33	37	42	45	48	51	54	58	
Approximate number in 1 lb. ..	15	12	11	8	7	6	5	5	4	
Per lb. ....	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
Code Word.....	Oaage	Oaaty	Oaazq	Oabbj	Oabde	Oabfa	Oabgy	Oabjs	Oaboh	
8811. Ditto, One Hole; otherwise identical with No. 8810.										
Size number	00	0	1	2	3	4	5	6	6½	
Approximate number in 1 lb. ..	130	90	65	60	45	35	30	21	18	
Per lb. ....	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
Code Word.....	Oacjr	Oacni	Oacra	Oacym	Oaddo	Oadhu	Oadko	Oadnh	Oadof	
Size number	7	8	9	10	10½	11	11½	12	13	
Approximate number in 1 lb. ..	16	13	11	8	7	6	5	5	4	
Per lb. ....	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
Code Word.....	Oadut	Oadyl	Oaebf	Oaeez	Oaegv	Oaeir	Oaefp	Oaemf	Oaeqa	
8812. Ditto, Two Holes; otherwise identical with No. 8810.										
Size number	00	0	1	2	3	4	5	6	6½	
Approximate number in 1 lb. ..	134	94	70	64	47	38	32	22	19	
Per lb. ....	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
Code Word.....	Oafgu	Oafjo	Oafmi	Oafur	Oagaf	Oaghr	Oagkl	Oagne	Oagoc	
Size number	7	8	9	10	10½	11	11½	12	13	
Approximate number in 1 lb. ..	17	14	12	8	7	6	5	5	4	
Per lb.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
Code Word.....	Oaggy	Oaguq	Oagyi	Oahbo	Oahca	Oahew	Oahfu	Oahhq	Oahli	

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SCIENCE

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POLIOMYELITIS (INFANTILE PARALYSIS)

By Dr. SIMON FLEXNER

THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH, NEW YORK, N. Y.

THE essential nature of infantile paralysis has been determined within the twenty-year period during which the disease, escaping from its endemic home in Norway and Sweden, has made its epidemic prog- ress over the world. Only the tropics, and even they not wholly, have been spared its ravages.

It is probably just because infantile paralysis had never before prevailed in a world-wide epidemic that we are witnessing the periodical outbreaks which are so tragic in their consequences. On the whole, the outbreaks have been larger and more severe in North America than elsewhere and for reasons, as will ap- pear, which are bound up with the nature of the disease.

Infantile paralysis is a disease long known to phy- sicians, although its infectious and communicable nature was established only about forty years ago during an epidemic in Stockholm. Hence it is known

to be a disease of microbic origin. The microbe or microorganism which induces infantile paralysis is so minute that it is not certain that it has ever been seen under the microscope. Because of its minuteness, it can pass through filters of earthenware which hold back, and prevent from passing, ordinary micro- organisms, such as the bacteria.

The microbe of infantile paralysis differs in an- other way from the usual bacteria. While bacteria are easily made to grow outside the body, the microbe can be made to multiply in this way only under spe- cial conditions. These conditions are provided by growing and multiplying tissue cells taken from warm- blooded animals and propagated in tissue cultures. When the invisible microbe of infantile paralysis is cultivated with tissue cells, both increase together, the microbe probably within the cells.

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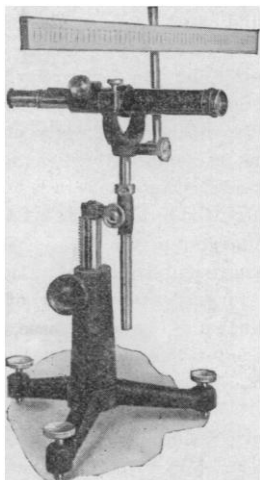
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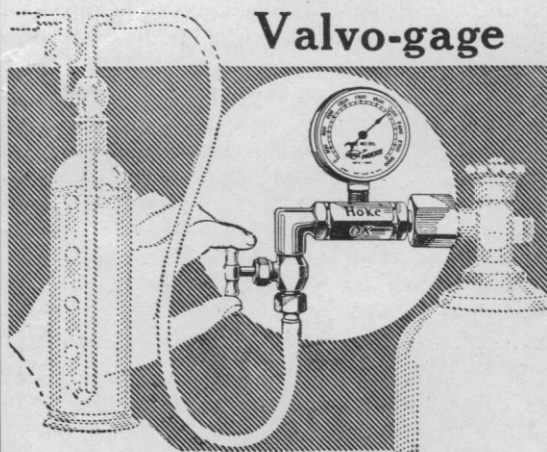
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
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