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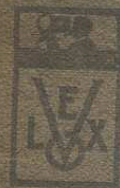
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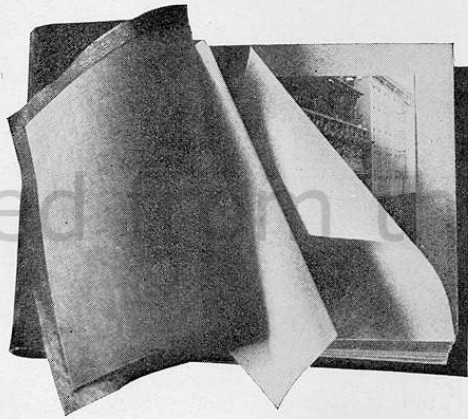
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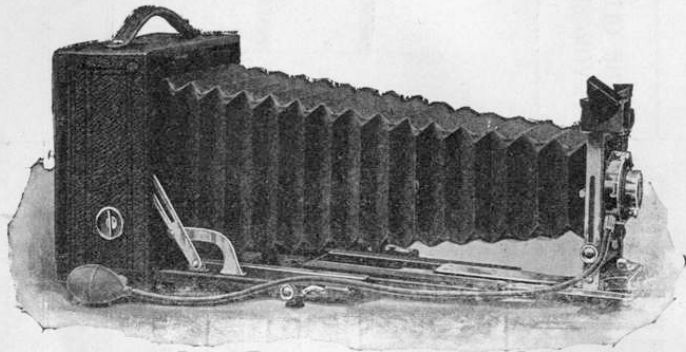
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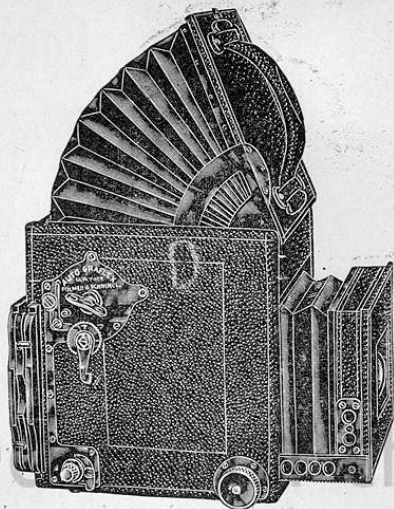
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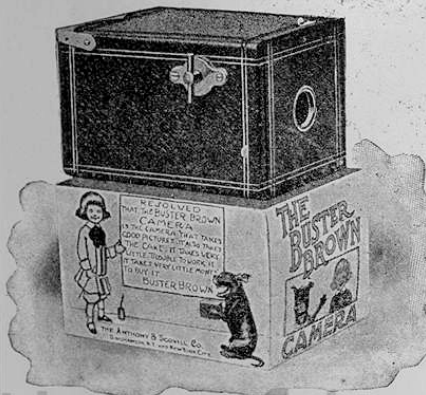
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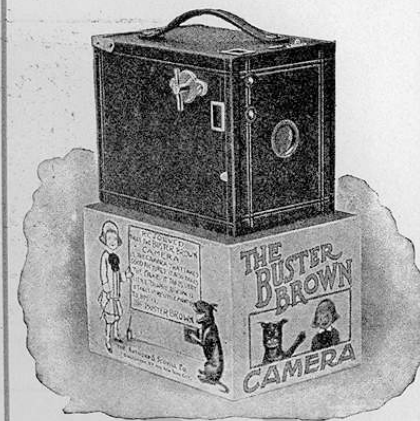
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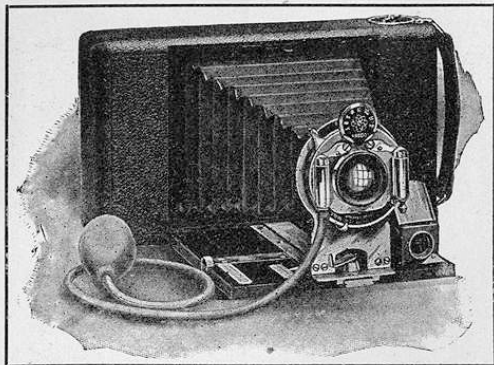
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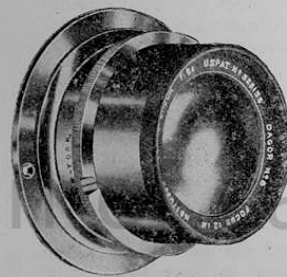
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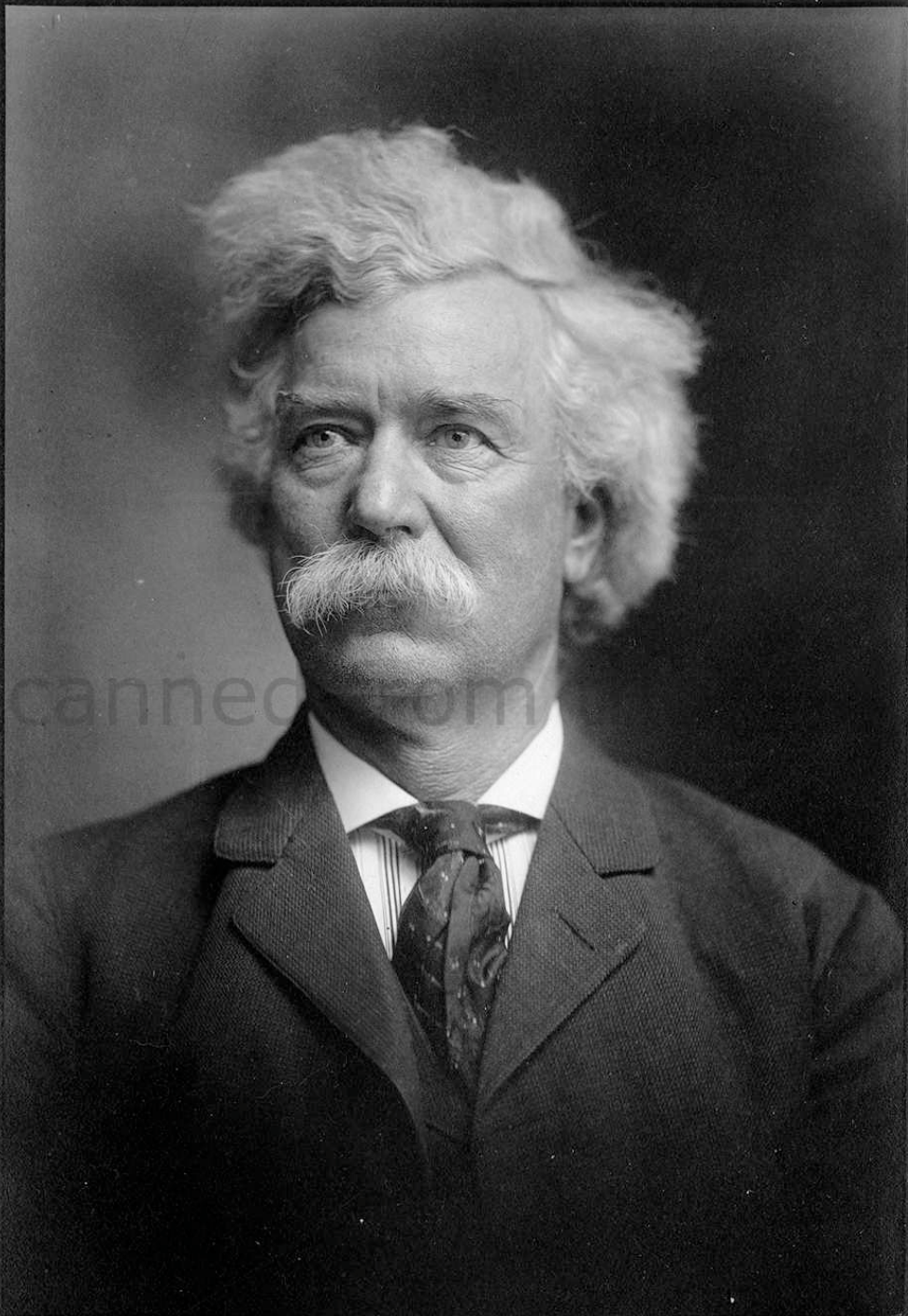
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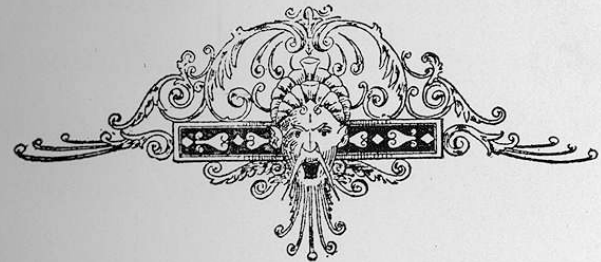
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Preface.

In presenting the twentieth volume of
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we wish to express our hearty thanks for
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We also wish to render due credit to
our contributors without whose intelli-
gent and willing coöperation the work
would have been impossible.

The Editors.

November, 1905.

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 April 15, 1892.—Germany.
 October 31, 1892.—Italy.
 May 8, 1893.—Denmark.
 July 20, 1893.—Portugal.
 July 10, 1895.—Spain.
 February 27, 1896.—Mexico.
 May 25, 1896.—Chile.
 October 19, 1899.—Costa Rica.
 November 20, 1899.—Netherlands (Holland) and her possessions.

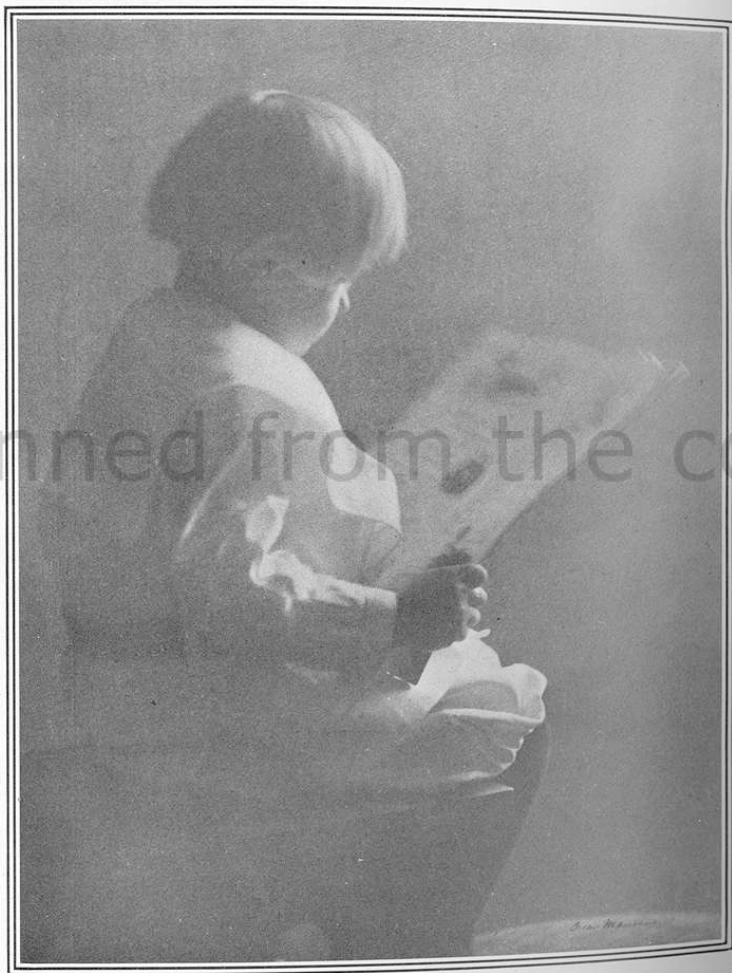
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By HENRY L. TOLMAN.

[Republished, with corrections, from the *Photographic Times*.]

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Miles per Hour.	Feet per Second.	Distance on Ground Glass, in inches, with Object 30 Feet away.	Same with Object 60 Feet away.	Same with Object 120 Feet away.
1	1½	.29	.15	.073
2	3	.59	.29	.147
3	4½	.88	.44	.220
4	6	1.17	.59	.293
5	7½	1.47	.73	.367
6	9	1.76	.88	.440
7	10½	2.05	1.03	.513
8	12	2.35	1.17	.587
9	13	2.64	1.32	.660
10	14½	2.93	1.47	.733
11	16	3.23	1.61	.807
12	17½	3.52	1.76	.880
13	19	3.81	1.91	.953
14	20½	4.11	2.05	1.027
15	22	4.40	2.20	1.100
20	29	5.87	2.93	1.467
25	37	7.33	3.67	1.833
30	44	8.80	4.40	2.200
35	51	10.27	5.13	2.567
40	59	11.73	5.97	2.933



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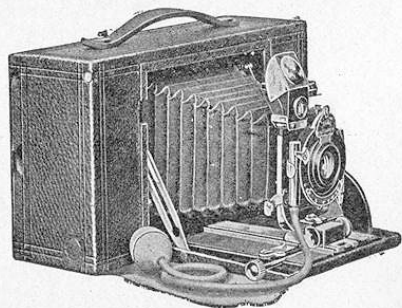
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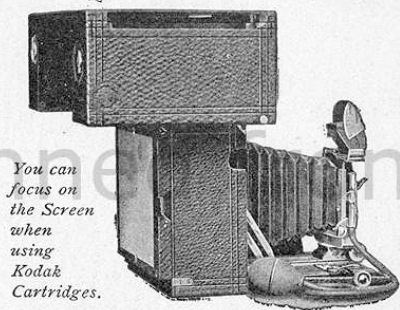
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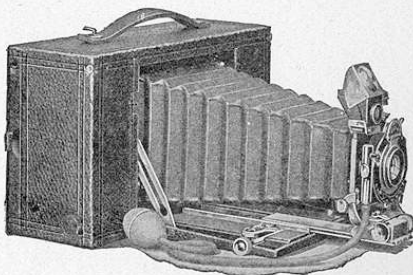
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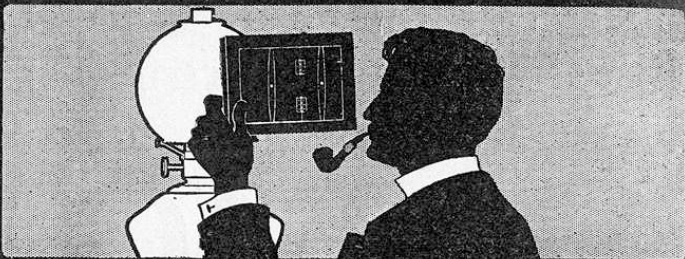
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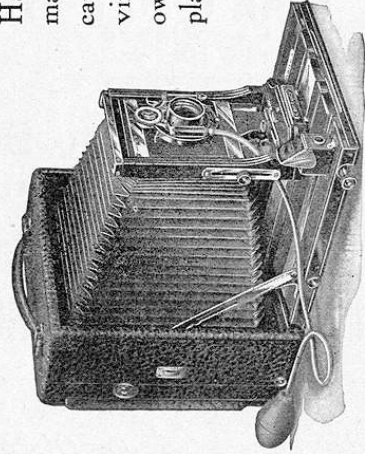
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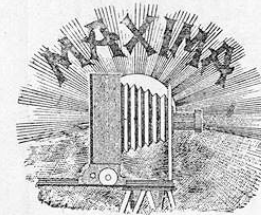
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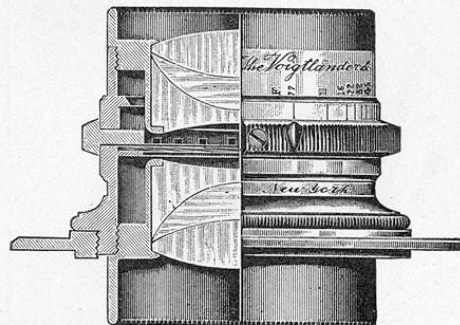
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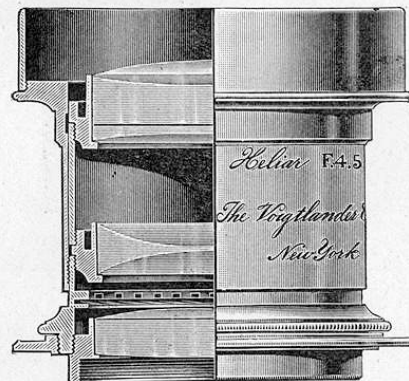
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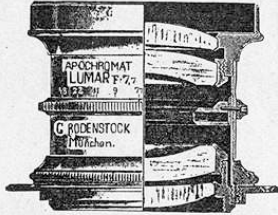
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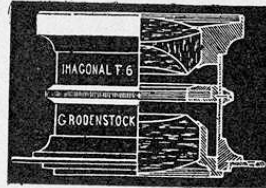
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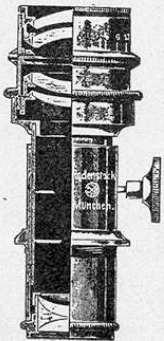
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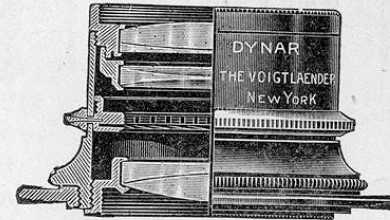
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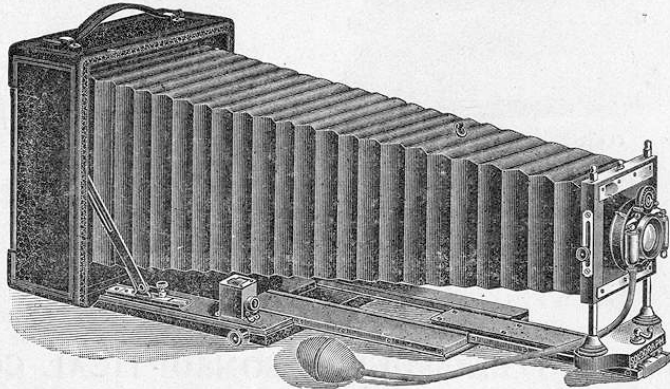
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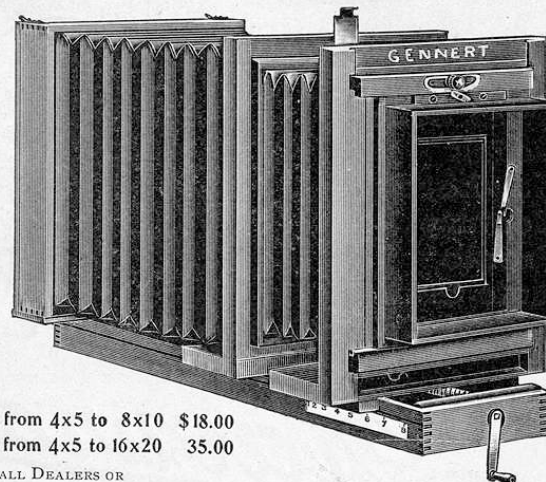
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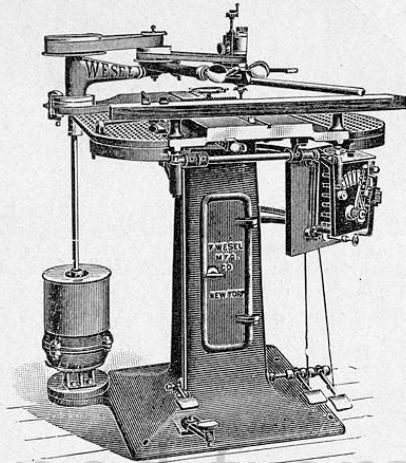
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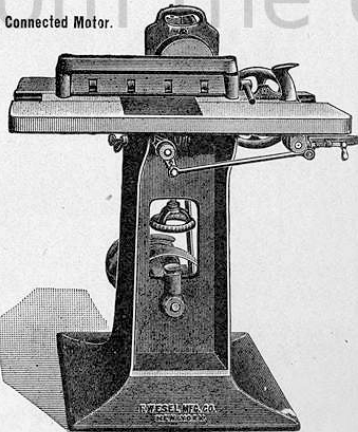


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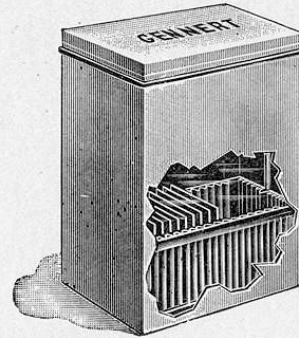
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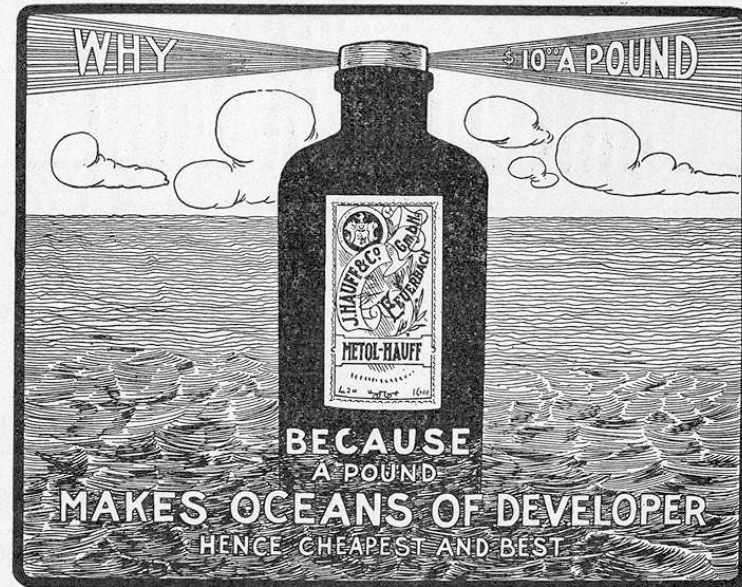
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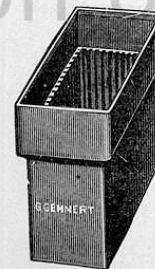
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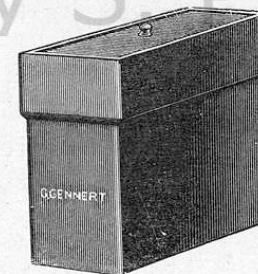
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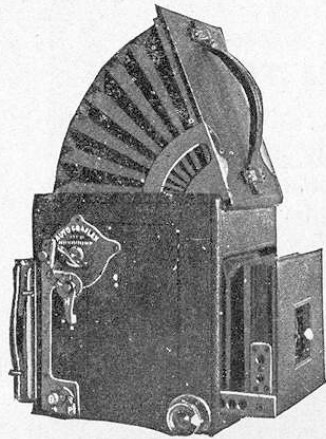
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