

DAYLIGHT TYPE

Kodachrome Film in Bolsey 8 Magazine

Kodachrome Film Daylight Type is balanced for use in daylight from two hours after sunrise to two hours before sunset. If used in early A.M. or late P.M., red color will be dominant and will produce beautiful sunset or sunrise pictures.

Use of this daylight film indoors with photoflood lamps is not recommended.

EXPOSURE INDEX: Daylight 10. This setting is recommended for meters marked f/11; underexposure may result.

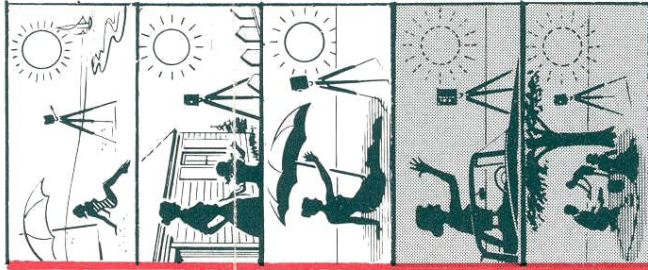
The Daylight Exposure Table on the film magazine and reproduced below gives the lens openings for all outdoor light conditions. Refer to it constantly — it is accurate, simple and fast, and so easy to use . . .

BOLSEY DAYLIGHT EXPOSURE TABLE

Based on standard speed of 16 frames per second, shutter speed at 1/50.

SUBJECT	f stop
IN BRIGHT SUN ON WHITE SAND OR SNOW	11
IN BRIGHT SUN-GENERAL	8
IN SHADOW OF BRIGHT SUN OR IN HAZY SUN	5.6
ON CLOUDY BRIGHT DAY	4
IN OPEN SHADE ON CLOUDY BRIGHT DAY	2.8

KODACHROME • DAYLIGHT



Use a Bolsey Skylight Filter (Wrattan No. 1A) to minimize haze and the bluish cast found in pictures of distant scenery or made in the shade under a clear blue sky. This filter requires no change in f stops.

Note: For side — or back-lighted subjects in bright sunlight with important shadow detail, or for pictures of people in dark clothing, for dark foliage, etc., use one stop larger than the exposure listed.

TYPE A

Kodachrome Film in Bolsey 8 Magazine

EXPOSURE WITH PHOTOFLOOD LAMPS — EXPOSURE INDEX 16. Excellent results are obtained by using any small camera bar with two fresh 375-watt reflector-type photoflood lamps. See table below. After lamps have burned for two hours, use one larger lens opening. Discard lamps after 3 hours use. The beams from the lamps must fall directly on the subject.

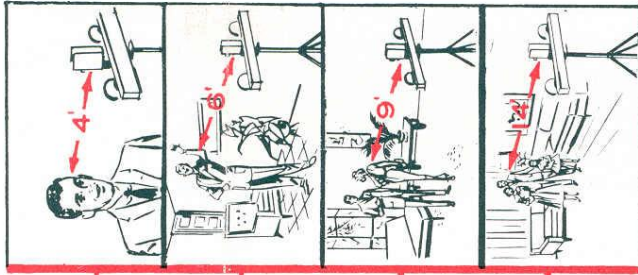
The indoor exposure table on the film magazine and reproduced below, gives the lens openings for usual indoor shooting at different distances from subject to camera and light source. Refer to this guide constantly. It is accurate, fast and so easy to use. This table is for subjects of average color. For dark-colored subjects, use one stop larger; for light-colored subjects, use one stop smaller.

BOLSEY INDOOR EXPOSURE TABLE

Based on standard speed of 16 frames per second, shutter speed at 1/50.

SUBJECT	DISTANCE TO CAMERA IN feet f-stop	
FOR TWO NEW 375	4	5.6
WATT REFLECTOR	6	4
TYPE FLOOD LAMPS	9	2.8
ON A CAMERA BAR	14	1.8

KODACHROME • INDOOR



KODACHROME TYPE A FILM USED FOR DAYLIGHT PICTURE TAKING. EXPOSURE INDEX 10 Type A film can also be used in daylight with the Bolsey Daylight Filter (Wrattan No. 85). A special exposure guide card (silver color) is included with every Type A film magazine. Peel the protective paper from the back of this card and stick it over indoor exposure guide on the magazine. You will note that the f stop settings for indoor Type A film when used outdoors with a daylight filter are the same as daylight type Kodachrome.

SHAPES OF FADES

Each leaf has four edges of different shape, flat, zigzag, round and « V » shape. The most simple is that made with both leaves of the same shape, for instance two flat or two round (fig. 6). Sixteen different combinations may be made by associating any two of the four shapes. For instance a flat with a « V » shape, or a zigzag with a « V » (fig. 7). Besides, the Fader may be fitted in four different positions, horizontal, at 90 degrees, right or left and diagonally. There are thus 64 combinations in all.

FADES WITH DIFFUSED EDGES

When the Cine-Fader is placed directly on the lens (fig. 8) without using an extension tube, the edges of the leaves will appear very blurred, especially when using the lens at full opening.

In this manner a fade is obtained which is similar to that obtained with an iris diaphragm or a variable shutter. For lap dissolves it is

FILTERS AND EXTENSION TUBE

The top of the Fader is provided with a slit 11 for the insertion of filters (fig. 10). In place with filters or in combination with them, haze filters, or masks, or cardboard cutouts of various shapes (fig. 11) may be used. The extension tube is adjustable and permits the variation of the distance between the Fader and the lens.

VIGNETTE EFFECTS

Vignette effects may be obtained without the use of vignettes. By placing the Fader far enough away from the lens for the edges of the leaves to appear in the field when the leaves are open. The « V » shaped leaves give the best effect. The extension tube should be used at full length.

NEW KIND OF LAP DISSOLVES

Attach the extension tube 18 to the Cine-Fader (fig. 5) and place the Fader on the camera (fig. 9). Use any pair of leaves. Make a fade out with the leaves in horizontal position. Wind back the film as for a lap dissolve. Turn the Fader to a 90 degrees position in relation to the position used for a previous scene, make a fade in with the same or other opening. In this manner a most interesting and new kind of lap dissolve is obtained. Another interesting dissolve can be obtained by placing the Fader diagonally.

SPEED VARIATIONS

By turning screw 15 on the clockwork mechanism (fig. 4) the speed of the Fader can be reduced or increased.

WARNING

If the screw 15 is turned too much the mechanism will stop.

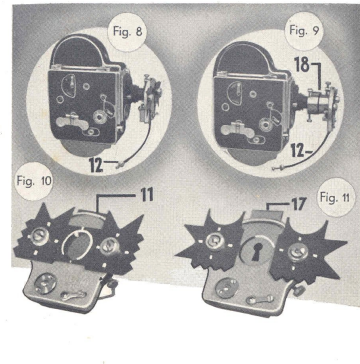
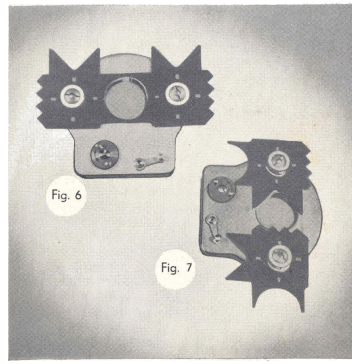
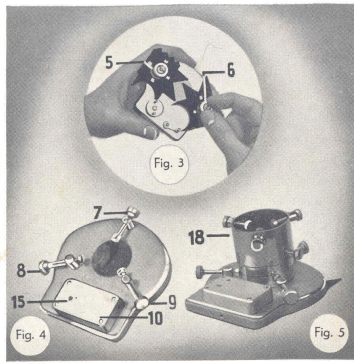
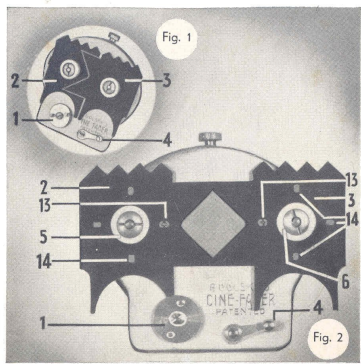
therefore recommended that the Cine-Fader be placed **as close to the lens as possible** and that the half circle leaves be used. The smaller the aperture of the lens the sharper the edges will appear on the screen.

FADES WITH SHARP EDGES

Sharp edged fades can be obtained in two ways :

a) By using a smaller opening of the lens.

b) By placing the Cine-Fader nearer or farther from the lens. In general, with a 1" lens (Standard with a 16 mm. camera) it will be necessary to place the Fader at about 1 1/4" from the lens. For this purpose either a lens hood or extension tube 18 (fig. 5 and 9) is supplied. This tube may be placed on the lens hood or on the lens, the Fader being placed on the other end (fig. 9). In this manner the tube will be extended half its length and the edges of the leaf will appear sufficiently sharp, even at full aperture.



era. It fits snugly into the palm of the hand, is easy and comfortable to hold. A chrome wrist strap, provided as a standard accessory, screws into the tripod socket and helps increase camera steadiness. The small size of the Bolsey 8 plus the tremendous depth of field provided by its 10-mm Elgeet $f/1.8$ lens give it interesting possibilities as a candid movie camera, while its appeal to travelers is obvious.

The single speed offered is the normal 16 frames per second, but shutter speeds are variable from $1/50$ to $1/600$ second by turning a shutter-speed dial on the camera's face. For normal shooting, the dial is left at the $1/50$ second setting, but by moving to other settings you can achieve higher speeds for still or movie shooting.

The exposure-release button rotates through four positions; M for standard movie operation, L for lock (to prevent making accidental exposures while the camera is being carried), S for single-frame exposures, and a dot for continuous movie operation by holding the button in depressed position. A knurled wheel rotates to provide a series of lens stops from $f/1.8$ to $f/22$. The lens itself focuses from 1 foot to infinity, but due to its tremendous depth of field it can easily be handled as a fixed "universal" focus camera.

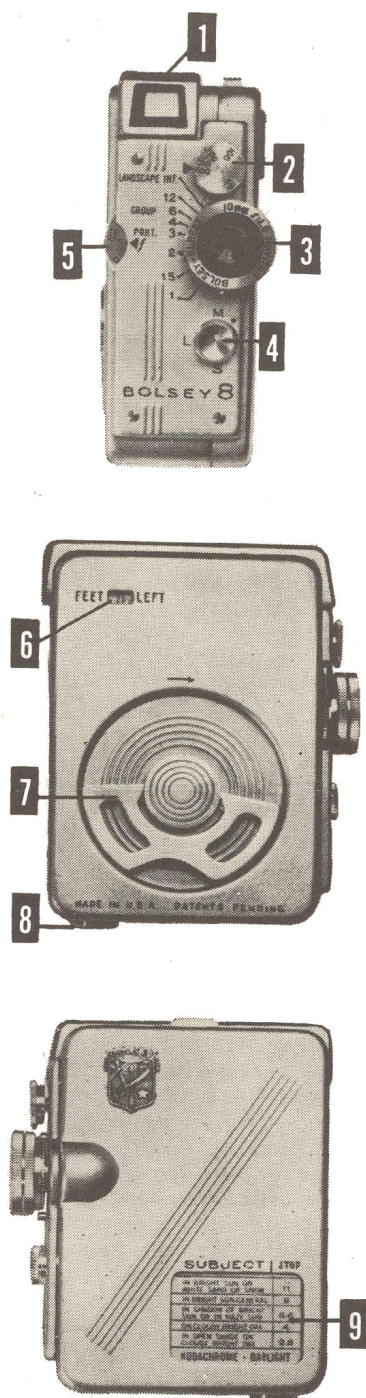
The optical glass viewfinder provides black inner frame lines to indicate the field for a slip-on accessory 20-mm $f/2.2$ telephoto lens component. An accessory $6\frac{1}{2}$ -mm $f/2.2$ wide-angle lens component also will be provided, including a matching accessory lens for the viewfinder window, but none were available in time to test for this article.

Loading is extremely easy: you merely lift off the camera's cover, slip in the magazine, then snap the cover back into position. A film counter indicates unexposed footage available and automatically resets itself to 25 feet whenever a magazine is changed.

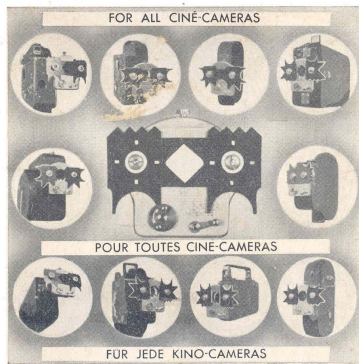
A large winding key is positioned on the camera's right-hand side, folding flat when not in use. Although our tests with a pre-production model did not yield quite the 10 feet per single winding claimed, they did provide far more footage than needed for most normal scenes. The long run from such a small spring-driven motor is made possible by the single 8 film, with its reduced drag and inertia, and by the internal design of the camera and of the new magazine which are constructed to keep friction at a minimum. For example, the camera has none of the conventional sprockets or loops. The film rolls off one side of the magazine with emulsion facing out and passes straight across the lens opening, then rolls up—still with emulsion facing out—on the opposite side of the magazine. A single claw pulls the film along. By eliminating the usual drag-producing loops, acceleration is made smoother and picture stability is increased.

The Bolsey 8 is priced at \$99.50, including wrist strap and two magazines with film. No price has yet been announced for the accessory lenses but they will be available soon.—Arthur Goldsmith

WHAT THE CAMERA OFFERS



Bolsey 8 features: 1 optical viewfinder with frame lines for accessory telephoto lens; 2 shutter speed dial with speeds from $1/50$ to $1/600$ second; 3 10-mm Elgeet $f/1.8$ lens in focusing mount; 4 exposure button which rotates through four positions—M for 16 fps movie, L for lock, S for single exposure, and dot for continuous movie operation; 5 aperture dial with stops from $f/1.8$ to $f/22$; 6 automatically resetting footage indicator; 7 winding handle for spring-drive motor; 8 socket for tripod and wrist strap; and 9 window for exposure guide on side of film magazine.



English, 6900, 5202

Printed in Switzerland



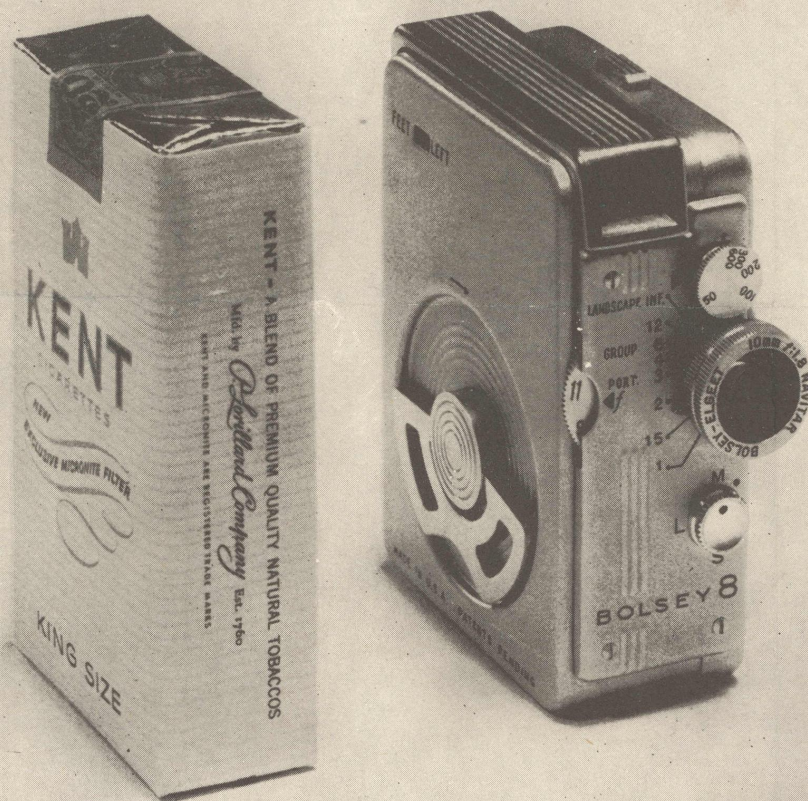
MOVIES

EXCLUSIVE!

THE BOLSEY 8-

World's smallest movie camera

as seen in
**POPULAR
PHOTOGRAPHY**



THE midget camera shown above—actually smaller than a pack of king-size cigarettes—marks an important step forward in the miniaturization of camera design and reintroduces the single 8-mm format to the American market. Extremely compact (it measures $3\frac{1}{8} \times 2\frac{1}{4} \times 1\frac{1}{8}$ inches) and weighing in at a scant 12 ounces, the new Bolsey 8 actually can be carried comfortably in a shirt pocket, yet provides up to 10 feet of shooting with one winding and packs a variety of ad-

vanced features including variable shutter speeds and single-exposure operation.

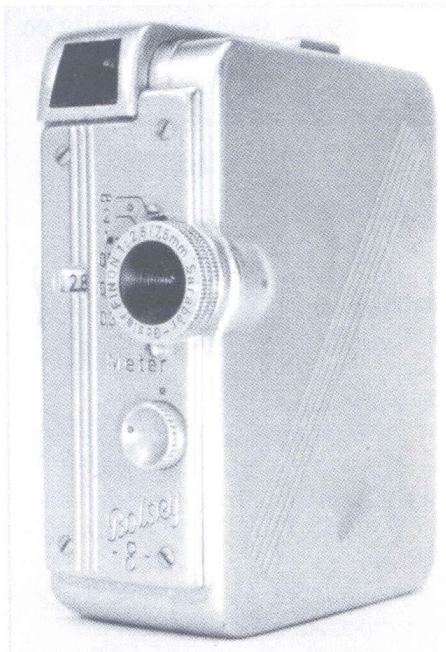
The camera's design is based on the use of thin ($\frac{3}{16}$ in.) magazines containing 25 feet of single 8-mm movie film. This is, of course, just half the width of standard double 8 (actually double-perforated 16-mm film which is split in half during processing and returned as single 8). The narrow format film not only allows a substantial saving in the camera's size but also reduces the problems of friction and

inertia. The drop-in magazines are of new and simplified design, with the film wound emulsion side out, and are claimed to be practically jam-free and trouble-proof. Magazines for the Bolsey 8 are available loaded with Kodachrome Daylight and with Type A emulsions, with black-and-white film expected to be added at a future date. Cost of the film includes mail-service processing at the Bolsey lab.

We liked the feel and general handling of this tiny but sturdily constructed cam-

Von Braun zu Minolta

Durch meine gute Bekanntschaft mit Herbert Stelter kann ich heute eine weitere Facette zu dem Artikel „Bolsey 8 – die filmdende Miniaturkamera beisteuern. Herbert Stelter ging nach Jahren bei Braun zu Minolta und machte sich später mit einer Werbeagentur selbständig. Er gab u.a. die bekannten und beliebten Minolta Fotobücher heraus. Er hat der Fotobranche während seiner langjährigen Tätigkeiten weitgehende Impulse gegeben.



Bei der Braun AG in Frankfurt war Herbert Stelter aus Mainz in den 50er und 60er Jahren des letzten Jahrhunderts Prokurist und als sogenannter Artikelchef verantwortlich für den Fotobereich, der Blitz-

geräte und Diaprojektoren umfaßte. Außerdem war er Vorsitzender des Verbandes der Blitzgerätehersteller. Zu dieser Zeit plante Braun die Ausweitung des Bereiches und den Einstieg in das Kamerageschäft, und es paßte in diese Richtung, daß Jacques Bolsey seine Schmalfilmkamera Bolsey 8 anbot und Herbert Stelter mit ihm, den er für einen Ungarn hielt, zusammentraf.

Die Kamera und die Aussichten des Absatzes wurden geprüft und überdacht. Wegen der nicht oder nicht ausreichend vorhandenen Liefer- und Verarbeitungsmöglichkeit des halben Doppel 8-Films und der damit verbundenen Einschränkung des Vertriebs sah man bei Braun und befragten Handelspartnern trotz überzeugender Kameratechnik jedoch keine Marktchance und lehnte die Übernahme ab.

Die Musterkamera mit der Nr. 801242 (Made in Germany) läuft noch heute und zeigt die technische Reife dieses Gerätes. Von der Ausführung mit Fotofunktion erfuhr Herbert Stelter erst durch den Artikel in **PHOTODeal**.

Herbert Stelter feierte Anfang September 2003 bei guter Gesundheit seinen 80. Geburtstag.

*Klauspeter Schmidt, Am Somborn 21
55286 Wörrstadt*

Digitaler Kamerakatalog

Seit fünf Jahren ist Franz Steimers Datensammlung über Kameras und Objektive, deren Preisentwicklung, Verwendungsmöglichkeiten und technische Eigenschaften des umfangreichste Nachschlagewerk für Kameras auf CD-ROM.

Franz Steimer die zusammengetragenen Daten aus Zeitschriften, Anzeigen, Angebotslisten, Gebrauchsanweisungen usw. so auf, daß auf der CD mit dem Titel „Steimers Fotoliste“ das gesamte Datenmaterial mehrfach miteinander verknüpft werden kann. Es läßt sich z.B. ermitteln, welche Wechselobjektive es zu welcher Kamera gibt oder gab, welche Kameras in der gleichen Preisstufe sind usw.

Die Preisentwicklung für einzelne Geräte kann als Tabelle oder Diagramm eingesehen werden, wobei jeweils der niedrigste und der höchste ermittelte Preis sowie ein Durchschnittspreis aller ermittelten Verkäufe und Angebote vermerkt sind.

Diese Preisermittlung beruht auf der Aus-



wertung von mehr als 375000 Händleranzeigen, und für jeden Preis wird die statistische Basis angegeben, damit der Grad der Zuverlässigkeit der einzelnen Angabe ersichtlich wird.

Die Handhabung der CD ist absolut komfortabel und vielseitig, so können die Daten der CD über MS-Excel mit eigenen Aufzeichnungen verknüpft werden. Die Bonusdateien mit Kamerakatalogen aus den 1930er und 1960er Jahren sind vor allem für Kamerasammler hochinteressant.

Steimers Fotoliste 2004-2005 (CD)

Kameras, Objektive, Zubehör. Bilder, Daten, Preise. Vielfach verknüpfte Datenblätter zu 6000 Kameras, 3100 Objektiven und 1200 Zubehöriteilen; 12000 Bilder und Grafiken, 1000 Schärfentieftabellen, 5. aktualisiert und erweiterte Fassung, 2004, EUR 38,00; ISBN 3-89506-244-8. Bezug über Lindemanns, Stuttgart, www.lindemanns.de

Yashica/Contax-Infotage

An folgenden Terminen besteht die Möglichkeit, die aktuellen Produkte aus dem Hause Yashica und Contax live zu erleben:

- 28.09.-03.10. Photokina Köln
- 05.10.: Foto Focus, Montabaur
- 22.-24.10.: Intern., Naturfotofestival GDT, Lünen
- 07.-09.10.: Foto-Messe-Gressung, Saarbrücken
- 14.-16.10.: Helgoländer Vogeltage www.oag-helgoland.de
- 21.10.: Foto Brinkmann, Witten
- 30.-31.10.: GM-Foto Hausmesse, Frankf.
- 18.-20.11.: Nürnberger Foto-Video-Digital-Tage, Pillenreuther Str., 90459 Nürnberg
- 03./04.12.: Foto Wolf, Dresden
- 09.-11.12.: Messe - 100 J. Duttendorfer, Würzburg
- 17./18.12.: Foto Wiesenhausen, Hamburg

森のりベン5、ベン5と露出表

2021年4月1日～5月31日

森のりベン5、ベン5と露出表			森	露	森	露
森のりベン5、ベン5と露出表			森	露	森	露
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1
森のりベン5	ベン5		1.1.1	1.1.1	1.1.1	1.1.1

1. 森のりベン5、ベン5と露出表
 2. 森のりベン5、ベン5と露出表
 3. 森のりベン5、ベン5と露出表
 4. 森のりベン5、ベン5と露出表
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 8. 森のりベン5、ベン5と露出表
 9. 森のりベン5、ベン5と露出表
 10. 森のりベン5、ベン5と露出表

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800-451-0999 x 244

2019年12月	2019年12月	2019年12月	2019年12月
2019年12月	2019年12月	2019年12月	2019年12月
2019年12月	2019年12月	2019年12月	2019年12月
2019年12月	2019年12月	2019年12月	2019年12月

Year	1990	1991	1992	1993	1994	1995	1996
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000
GDP	1.0	1.1	1.2	1.3	1.4	1.5	1.6

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

2017年12月31日	100.00	100.00	100.00	100.00	100.00
2018年12月31日	100.00	100.00	100.00	100.00	100.00
2019年12月31日	100.00	100.00	100.00	100.00	100.00

Figure 1. The effect of the number of trials on the number of correct responses.

Case	Case	Case	Case
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

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● **2019年12月10日** 星期一 晴
今天去参加了学校的运动会，比赛项目有跑步、跳远、铅球等。我参加了400米接力赛，我们班获得了第一名。下午还参加了拔河比赛，我们班也取得了胜利。今天真是开心的一天！

[illegible][illegible]

The following table shows the results of the analysis. The results show that the model is a good fit for the data, and that the variables are significant predictors of the outcome.

CAPITAL CAMERA EXCH., Inc.
1003 Pa. Ave. N.W.
Washington 4, D. C., U.S.A.



For the best results from your
Echo 8 film, enclose \$1.50 with your
exposed roll and mail to us, with
this coupon.



We will send you your developed
film together with one Jumbo en-
largement of each good negative,
plus an extra roll of new film. Ad-
ditional film is 35c per roll or \$3.00
per carton of 10 rolls.

☐ Rolls @ 35c_____ \$_____

☐ Cartons @ \$3.00 \$_____

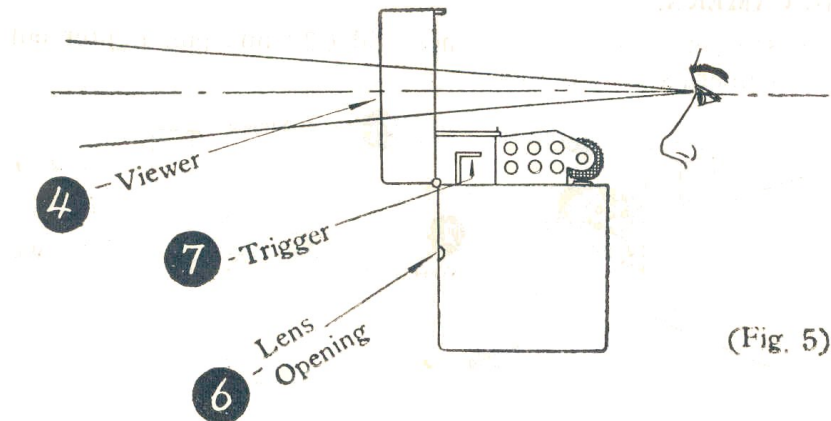
Name_____

Address_____

City_____ State_____

2. TAKING PICTURES.

- (a) Hold camera vertically, find subject through viewer (4).
- (b) Be careful not to cover the lens opening (6) with fingers. Press trigger (7) slowly - all the way down.
- (c) Before taking next picture, turn winding gear (8) forward about $\frac{1}{4}$ turn until it is stopped by film winding stop (18).



(Fig. 5)

5. CIGARETTE LIGHTER.

Fluid and flint screws are at bottom of lighter part. Be careful not to overfill. Wipe off excess fluid. Replace flints as needed.

BOLSEY 8 ACCESSORIES



REPLACEMENT LENS for the Bolsey 8. High quality, 1/2" x 1/4" lens.



REPLACEMENT LENS for the Bolsey 8. High quality, 1/2" x 1/4" lens.



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REPLACEMENT LENS for the Bolsey 8. High quality, 1/2" x 1/4" lens.

BOLSEY-DELMONICO
1234 BROADWAY STREET, LONG BEACH CITY, N.Y.

Bolsey 8 is a registered trademark of Bolsey 8.

world's
smallest
movie
camera

BOLSEY 8

SINGLE 8mm
MAGAZINE
MOVIE CAMERA



A MASTERPIECE OF
MINIATURIZATION

the magnificent new

BOLSEY 8

YOUR MOST EXCITING EXPERIENCE
IN PERFECT MOVIE MAKING

The Bolsey 8 is the world's smallest movie camera — smaller than a long and part of a camera. The masterful precision involved in a product of the world's finest engineering.

It's smaller than a Bolsey 8 is designed with you ready to capture important every living moment and able to be ready to use in the field.

The Bolsey 8 produces motion pictures that are crystal clear and sharp. That's the result of the Bolsey 8's unique design. The Bolsey 8's unique design is the result of the Bolsey 8's unique design. The Bolsey 8's unique design is the result of the Bolsey 8's unique design.

The Bolsey 8's unique design is the result of the Bolsey 8's unique design. The Bolsey 8's unique design is the result of the Bolsey 8's unique design. The Bolsey 8's unique design is the result of the Bolsey 8's unique design.

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EARLY IT IN YOUR HANDS IS BOLSEY



WHEN YOU WANT TO BEAT



WHEN YOU WANT TO BEAT

THESE REMARKABLE BOLSEY 8 FEATURES ASSURE SUPERB MOTION PICTURES OR STILLS

- **SMALLEST, LOWEST** movie camera in the world. 2" high, weighs 10 oz.
- **HIGH QUALITY, FAST 1.8 LENS** with great depth of field. Adjustable focus from 1 foot to infinity, plus "night" settings for "low light", "group", "portrait".
- **VARIABLE SHUTTER SPEEDS** from 1/500 to 1/1000.
- **SYNCHRONOUS FILM COUNTER** shows how much film remains to be shot. Resets automatically after one magazine is inserted.
- **ALSO TAKES STILL** pictures and slides and films.
- **EXTREME SIMPLICITY** in setting and use.
- **BEST VIBRATION** instantly ready for any kind of shot — from detailed dramatic storytelling through portrait and group action to beautiful panoramic landscapes.
- **CAMERA & GUN** made in U.S.A.
- **ALL DATA**, including 1 stop, camera camera.
- **BEST FOR** Tripod socket.
- **INSTANT IDENTIFICATION** of type of film in camera.
- **YOU CAN LOCK** the mechanism to prevent accidental shooting.
- **TWO TYPES OF MAGAZINES** film available, daylight and Type 4 is Bolsey magazine.
- **EXPOSURE GUIDE** IN EACH MAGAZINE so you really know from outside of camera.
- **MAGAZINE'S 20 FOOT CAPACITY**. Film price includes processing and return postal.
- **CONVENIENT WRIST CHAIN** for carrying camera and for theater filming.
- **INSTANTANEOUS MAGAZINE LOADING** in double exposure position.

ACTUAL SIZE ONLY 2 1/4" x 1 1/4" x 2 1/4" — SMALLER THAN A PACK OF CIGARETTES.
WEIGHT ONLY 10 OUNCES.



the magnificent new
BOLSEY 8



- Beautifully presented in Bolsey color box with picture for gift giving.
- Price includes The new Bolsey 8 Camera & Bolsey Magazine.
- 2 Bolsey 8 film magazines with containing 20 feet of single frame Kodachrome color film, including processing and return postal.

99⁵⁰
THE MAGAZINE

CAMERA-LITE

Instructions

FEATURES :

LENS : Single

NUMBER OF EXPOSURES : 20 per magazine

SHUTTER SPEED : 1/50th Second

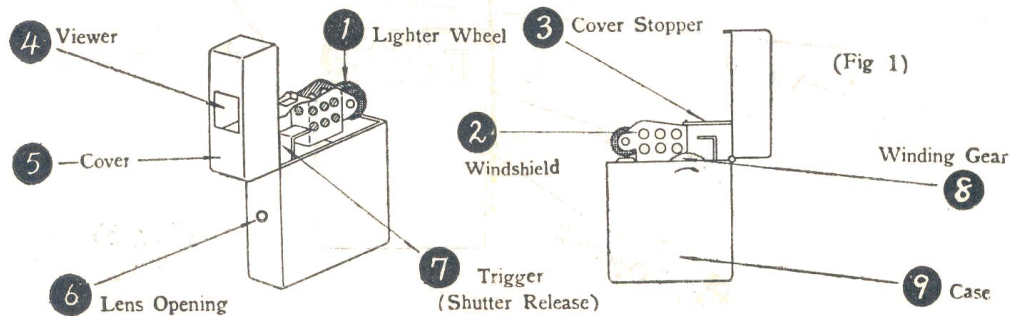
(8 inch length of film)

FILM : High speed 8mm. roll film loaded
in magazines - ready to use.

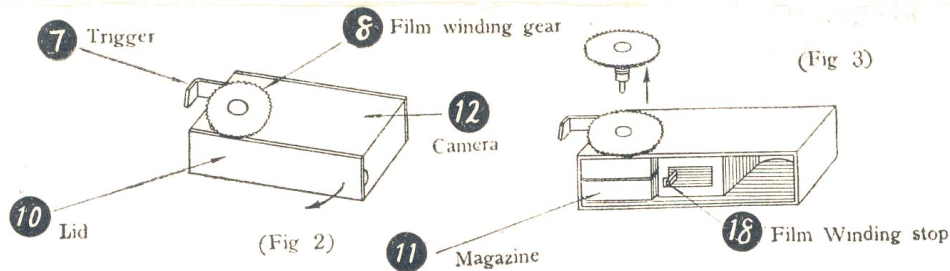
NEGATIVE SIZE : 6mm. × 6mm. Easily
enlarged to wallet size print.

1. LOADING THE CAMERA.

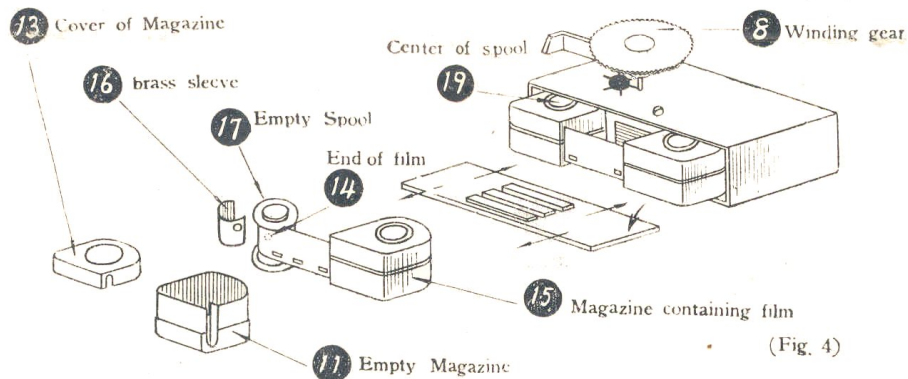
- (a) Lift up cover stopper (3). Grasp windshield (2) and pull lighter out of case (9). Then remove camera (12) from case.



- (b) Remove the lid (10) and winding gear (8) and take out empty magazine (11) from camera (12).



- (c) Take cover (13) off magazine (11). Fasten end of film (14) from loaded magazine (15) under removable brass sleeve (16) of empty spool (17). Plug on brass sleeve must fit into hole in spool. Replace spool in empty magazine, put cover on empty magazine and insert both magazines into camera. Film must be placed into magazine so that center of spool (19) fits perfectly into outside hole of magazine. Replace lid and insert camera into case (9). Return lighter to original position in case (9).



"Echo 8"

Camera & Lighter Combination

INSTRUCTIONS OF HOW TO USE "ECHO-8"

FEATURES:

- Lens : Echor Anastigmat F=15mm 1:3.5
- Iris : 1:3.5.. 5.6-8
- Shutter : B-1/50
- Film : 16mm Cine-film half cut size
- ExPosures : 20 exposures from 8 inches length film using a magazine

1 HOW TO PLACE FILM INTO MAGAZINE:

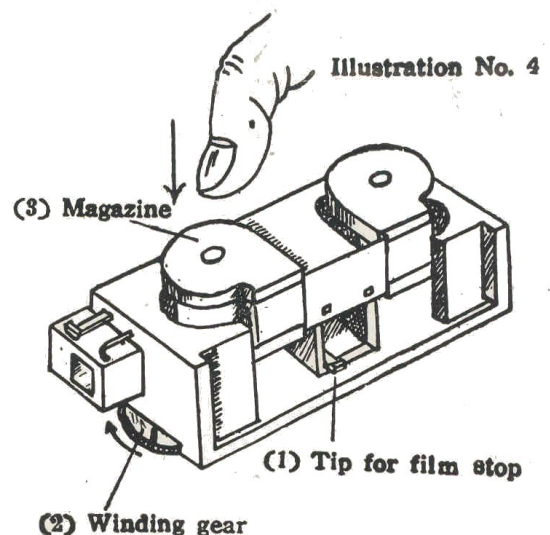
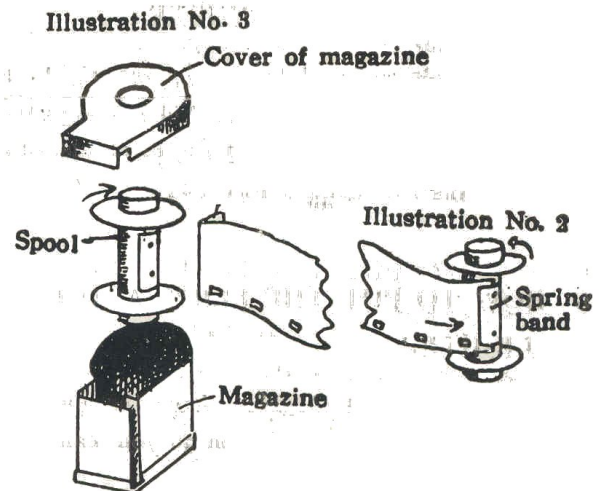
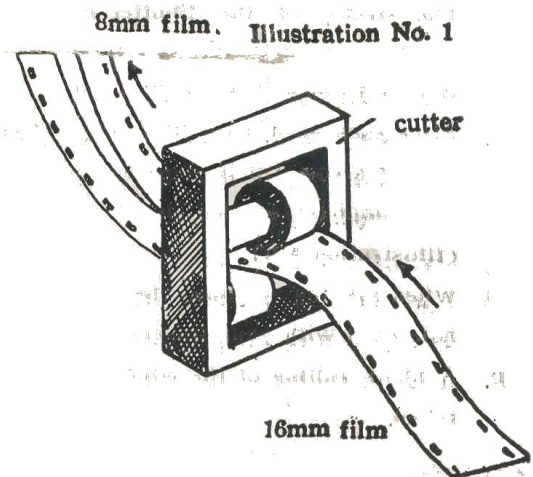
- A. Cut 16mm Cine-film to the length of 8 inches.
- B. Put 16mm film through Film Cutter to split into half width size. (Illustration # 1)
- C. Keep the film perforation downward to wind film to the spool of magazine. It is important that one end is just slid into the Spring Band of the spool, so it will slip off at the last exposure. (Illustration # 2)
- D. Next step is to attach the other end to the Winding Spool or Gear and set into the magazine. Band 2 mm of film and hook the end to the Spring Band, so the film will not slip off when winding. (Illustration # 3)

2 HOW TO FIX THE FILM(MAGAZINE) INTO THE BODY OF CAMERA:

- A. As shown on Illustration #4, place magazine containing film (Illustration # 4) into the body revolving film winder or Gear (#2). It is important that both magazine are completely set into the body.
- B. Film must be centered and firmly on the body. wind film until Tip (# 1) fits the perforation to stop the winding. (Illustration #4)

3 PREPARATION FOR SHOOTING:

After the film is completely placed into the body, take 2 trial shots rolling just 1 cut of film. The trial shots were taken as the first cut of film is already exposed



みのりパンS,パンSS露出表

(フィルターなし)

条件と被写体 但しお昼前後 二時間に於ける標準露出			春	夏	秋	冬
晴天	野外		f 11 $\frac{1}{100}$ $\frac{1}{200}$	f 16 $\frac{1}{150}$ $\frac{1}{300}$	f 11 $\frac{1}{100}$ $\frac{1}{200}$	f 8 $\frac{1}{100}$ $\frac{1}{200}$
晴天	野外人		f 8 $\frac{1}{100}$ $\frac{1}{200}$	f 11 $\frac{1}{100}$ $\frac{1}{200}$	f 8 $\frac{1}{100}$ $\frac{1}{200}$	f 5.6 $\frac{1}{50}$ $\frac{1}{100}$
晴天	日陰人		f 8 $\frac{1}{25}$ $\frac{1}{50}$	f 5.6 $\frac{1}{50}$ $\frac{1}{100}$	f 8 $\frac{1}{25}$ $\frac{1}{50}$	f 5.6 $\frac{1}{25}$ $\frac{1}{50}$
薄曇り	野外		f 8 $\frac{1}{60}$ $\frac{1}{100}$	f 8 $\frac{1}{100}$ $\frac{1}{200}$	f 8 $\frac{1}{50}$ $\frac{1}{100}$	f 8 $\frac{1}{25}$ $\frac{1}{50}$
晴天	窓内人		f 5.6 $\frac{1}{5}$ $\frac{1}{10}$	f 5.6 $\frac{1}{10}$ $\frac{1}{25}$	f 5.6 $\frac{1}{5}$ $\frac{1}{10}$	f 5.6 $\frac{1}{2}$ $\frac{1}{5}$
雨天	野外		f 6.3 $\frac{1}{25}$ $\frac{1}{50}$	f 6.3 $\frac{1}{50}$ $\frac{1}{100}$	f 6.3 $\frac{1}{25}$ $\frac{1}{50}$	f 4 $\frac{1}{25}$ $\frac{1}{50}$
晴天	雪景					f 16 $\frac{1}{100}$ $\frac{1}{200}$

(註 緑表示S 紺表示SS)

上記表示以外の場合、並に午前十時前、午後二時以後の撮影は、季節に依り、条件に依って非常に異なりますので、上記表の各項を参考に決めて下さい。

株式会社 六 和

東京都中央区日本橋室町三ノ一

電話日本橋(24)代 0241~5
0430

“Echo 8”

Camera & Lighter Combination

INSTRUCTIONS OF HOW TO USE “ECHO-8”

FEATURES:

- Lens : Echor Anastigmat F=15mm 1:3.5
- Iris : 1:3.5 - 5.6 - 8
- Shutter : B - 1/50
- Film : 16mm Cine-film, half cut size
- Exposures: 20 exposures from 8 inches length film using a magazine

1 HOW TO PLACE FILM INTO MAGAZINE:

- A. Cut 16 mm Cine-film to the length of 8 inches.
- B. Put 16 mm film through Film Cutter to split into half width size. (Illustration # 1)
- C. Keep the film perforation downward to wind film to the spool of magazine. It is important that one end is just slid into the Spring Band of the spool, so it will slip off at the last exposure. (Illustration # 2)
- D. Next step is to attach the other end to the Winding Spool or Gear and set into the magazine. Bend 2 mm of film and hook the end to the Spring Band, so the film will not slip off when winding. (Illustration # 3)

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- A. As shown on Illustration # 4, place magazine containing film (Illustration # 4) into the body revolving film winder or Gear(# 2). It is important that both magazine are completely set into the body.
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3 PREPARATION FOR SHOOTING:

After the film is completely placed into the body, take 2 trial shots rolling just 1 cut of film. The trial shots were taken as the first cut of film is already exposed.

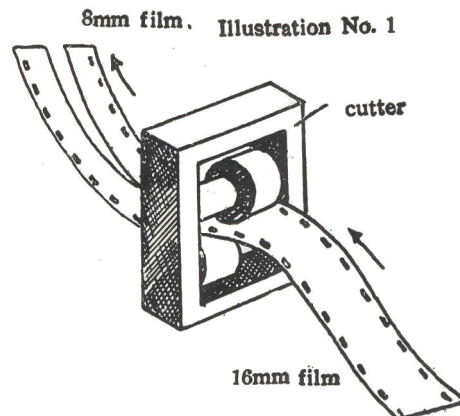


Illustration No. 3

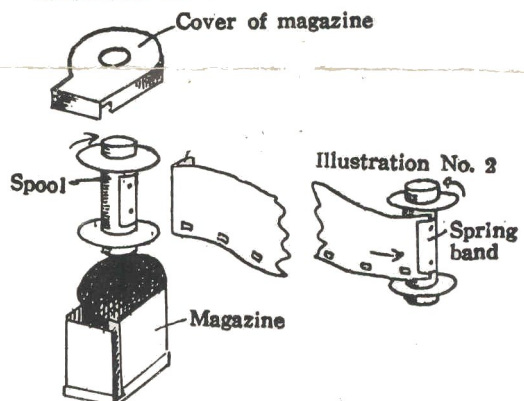
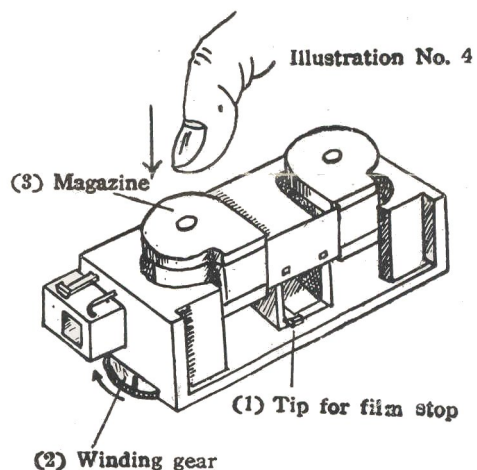


Illustration No. 2



みのりパンS,パンSSフィルム

性 能:

	感光度(ASA°)	粒 状 性	感 色 性
パ ン S	昼光 電燈光 50 40	極 微 粒 子	パシクロマチック
パ ン SS	100 80	微 粒 子	パシクロマチック

フィルタースケール:

みのりS,P,G フィルター	Y 1 (微黄)	Y 2 (淡黄)	Y 3 (黄)	Y A ₁ (淡橙)	P O ₀ (黄緑)	P O ₁ (淡緑)	R 1 (淡赤)
露 出 倍 数	1 倍	1.2 倍	1.5 倍	2.5 倍	1.5 倍	2 倍	4 倍

閃光電球及び電燈光使用の場合の露出:

シャッター速度	距 離	1.5 M	2 M	3 M	5 M
B 1/25, 1/50, 1/100	S	f 22	f 16	f 11	f 8
	S S	f 32	f 22	f 16	f 11

(註 マグダ閃光電球F-5 1個で夜間撮影の場合)

距離 (電球→被写体)		フラット 250 W	フラット 300 W	フラット 500 W
1 M	S S S	f 3.5 1/25 1/50	f 4.5 1/25 1/50	f 5.6 1/25 1/50
2 M	S S S	f 2.8 1/10 1/25	f 3.5 1/10 1/25	f 4.5 1/10 1/25
3 M	S S S	f 2.8 1/5 1/10	f 3.5 1/5 1/10	f 4.5 1/5 1/10

安 全 光 (セーフライト・ランプ):

現像は暗黒中か正しいパシクロ用セーフライト・グラスを使用し現像操作中は出来るだけ安全光でも直接フィルムに当たらない様にして下さい。

現 像:

フィルム用現像液ならばどれでも結構ですが“みのり微粒子現像液(MD-2)”, “DK 20”, “D76”, 等の微粒子現像液と“みのり酸性ハイポー”を御使用になれば良い結果を得られます。

そ の 他:

フィルムをカメラに入れる時は特別に注意して下さい。保存は乾燥した暗所をお願いいたします。

なほ、みのりフィルムにつきまして、御不審の点がありましたら、当社迄お問い合わせ下さい。

4 ATTENTION ON SHOOTING:

- A. Select the correct speed of Shutter. (Illustration # 5)
This Camera has 2 ways:

1. - - 1/50 - - - - - Daytime (Outdoors)
2. - - B - - - - - Nighttime or indoors.

It is important that the Lever of the Shutter is placed exactly pointing B or I. Also it is the same with the Iris

- B. The stroke of the Shutter is long and requires a steady push. If the Shutter is not completely down, it may happen that the film will not be rolled.
- C. After each snap, turn film roller (Gear # 6), in direction of arrow, till it stops completely, If the roller is not completely winded, double exposure will be taken, (Illustration # 5)
- D. When takeing picture, be careful not to cover Lens hole (# 3) with your fingers.
- E. A blank rolling of the winder felt after 20 shots are taken.

5 HOW TO USE THE FINDER:

- A. Slide cover plate (# 7) to the right, and lift lighter Lid (# 8). Make sure Lid is completely open.
- B. Position of the Finder is to be placed vertically bellow the eye about a foot away.

6 HOW TO PUT THE FLINT AND FUEL TO THE LIGHTER:

- A. Take out Lighter from the outside case, then as shown on illustration # 6 you can put flint and fuel from the bottom.
- B. Please do not put toomuch fuel to the lighter.

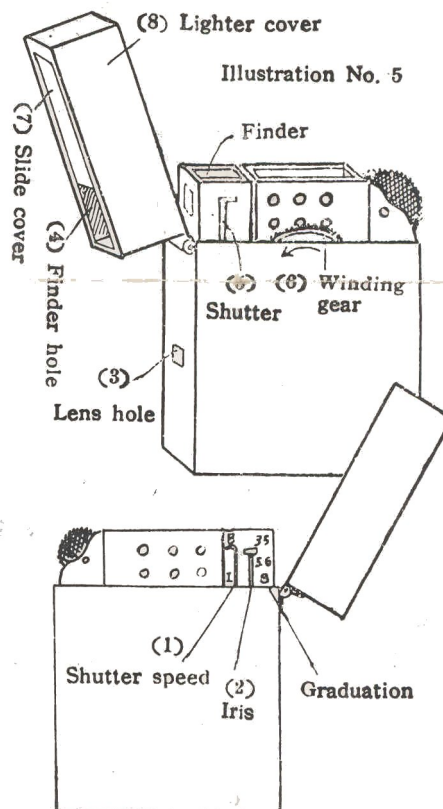
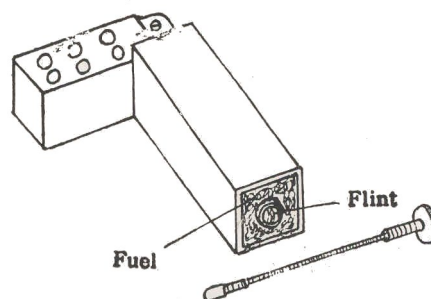


Illustration No. 6



4 ATTENTION ON SHOOTING:

A. Select the correct speed of Shutter. (Illustration # 5)

This Camera has 2 ways:

1.1/50.....Daytime (Outdoors)
2.B.....Nighttime or indoors.

It is important that the Lever of the Shutter is placed exactly pointing B or I. Also it is the same with the Iris.

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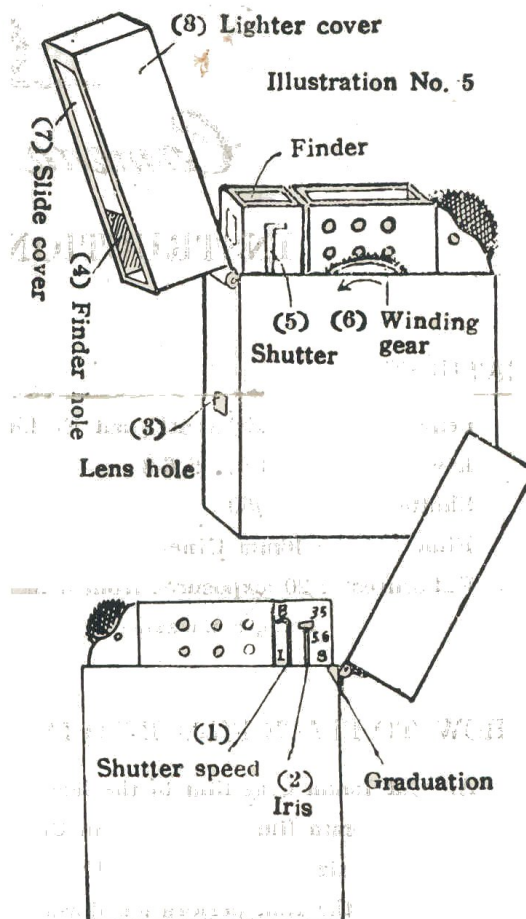
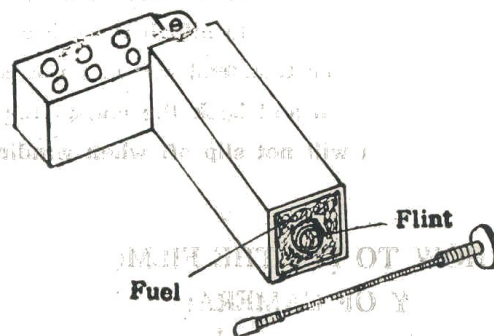


Illustration No. 6





SILVER BELLS LIMITED
Post Office Box 982
Carmel, California

HOW TO USE

Precision Camera & Cigarette Lighter Combination

Echo 8

PAT. No. 386557

"190879

Specification

Lens : "Echor" F: 3.5/f: 15mm coated, fixed focus (3 ft. — ∞), 3-element

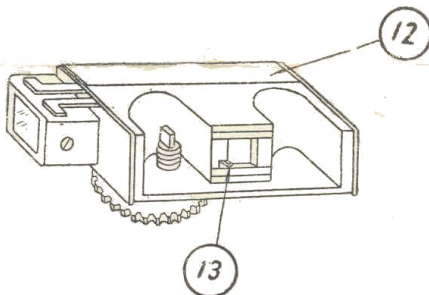
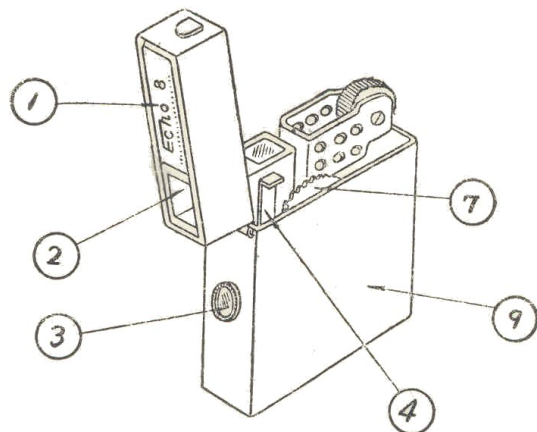
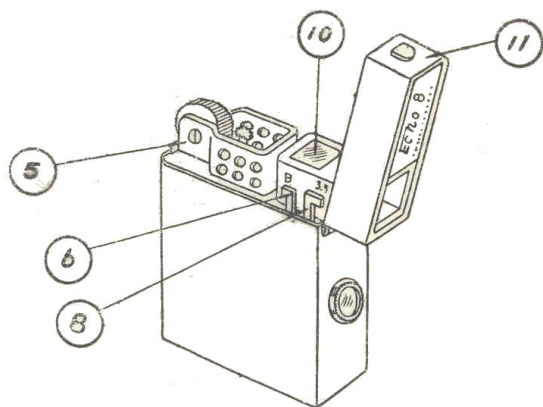
F-stop : F: 3.5, 4, 5.6, 8 & 11

Shutter : I & B

Film used Half-cut size of 16mm movie film, loaded in cassette

Dimension : 58 x 16.5 x 47mm

Weight : 150 grms.



- | | | | |
|----|----------------------|----|-----------------------|
| 1 | Name plate | 2 | View window |
| 3 | Screw-in type filter | 4 | Shutter release lever |
| 5 | Cigarette lighter | 6 | Shutter change lever |
| 7 | Film advance gear | 8 | F-stop change lever |
| 9 | Housing | 10 | Reflex viewfinder |
| 11 | Top cover | 12 | Camera body |
| 13 | Film advance tip | | |

Direction For Use

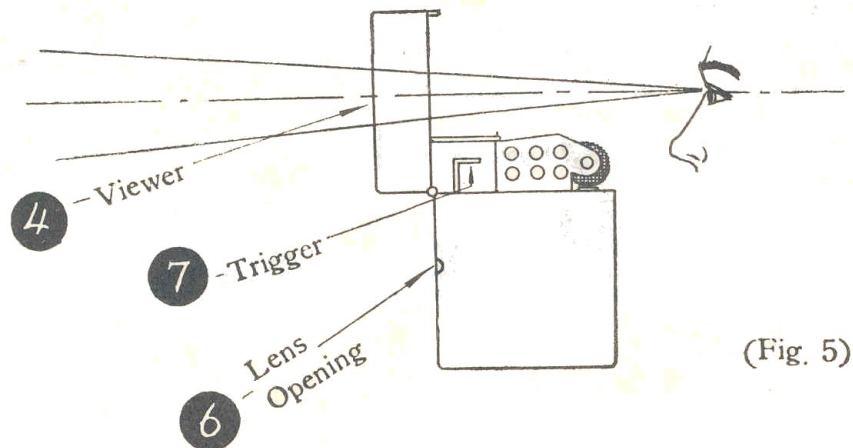
- 1) Push button to open the Top cover (11)
- 2) Pull out Camera body (12) and Cigarette lighter (5) from Housing (9) and take off the camera back for film loading. Be sure the Tip (13) should be at the upper corner before placing film in. Now, place the film cassette in the lower chamber and take-up spool (one with hole) in the upper chamber.
- 3) Put the camera back on and put everything back into the Housing (9) as they were.
- 4) Slide off the Name plate (1) on the top cover so that the View window (2) comes out.
- 5) Before starting taking-pictures, push the Shutter release lever (4) and advance the film by turning the Film advance gear (7) forward until it stops automatically. Do the same once again. Now, it is ready for shooting pictures.
- 6) When all the film is exposed, the gear turns freely without stop, thus you would know the film is over now.

The front lens (3) is not a lens. It is a filter. It can be screwed out to take it off. Other color filters are available in a set together with close-up lens attachment (8" proximity) separately.

The film used for this camera is the half-cut size of regular 16mm movie film, which is popular everywhere. So in case there may be any difficulty of obtaining the cassette loaded film for the camera, owner can load the 16mm movie film by cutting vertically half in length of inch 8 into the cassette.

2. TAKING PICTURES.

- (a) Hold camera vertically, find subject through viewer (4).
- (b) Be careful not to cover the lens opening (6) with fingers. Press trigger (7) slowly all the way down.
- (c) Before taking next picture, turn winding gear (8) forward about $\frac{1}{4}$ turn until it is stopped by film winding stop (18).



(Fig. 5)

3. DEVELOPING.

After 20 pictures have been snapped, carefully remove film magazine, which is now ready for developing. If there are no facilities near you, you may have your film expertly developed by sending it to:

Nash Photo Service
Box 288, Cooper Station
New York 3, New York

When mailing, wrap magazine carefully, be sure to mark return address plainly and enclose cost of developing and printing in cash or post office money order. If you want rapid return service, enclose 10¢ extra for first class mail. Rates for developing and printing are 90¢ for one magazine, \$ 1.70 for two, \$ 2.50 for three, \$ 3.00 for four. This includes developing the entire film strip and making enlarged prints, approximately $2\frac{1}{2} \times 2\frac{1}{2}$ inches, of each picture, on double weight matte.

4. EXTRA FILM.

This may be purchased at the rate of \$ 1.50 for a box of 4 magazines. If not available in your neighborhood, you may purchase them from Nash Photo Service by mail, enclosing remittance.

5. CIGARETTE LIGHTER.

Fluid and flint screws are at bottom of lighter part. Be careful not to overfill. Wipe off excess fluid. Replace flints as needed.

CAMERA-LITE

Instructions

FEATURES :

LENS : Single

SHUTTER SPEED : 1/50th Second

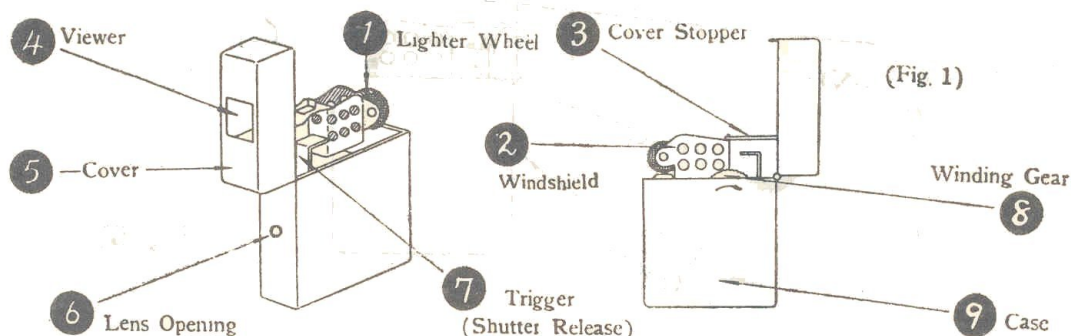
FILM : High speed 8mm. roll film loaded in magazines - ready to use.

NUMBER OF EXPOSURES : 20 per magazine
(8 inch length of film)

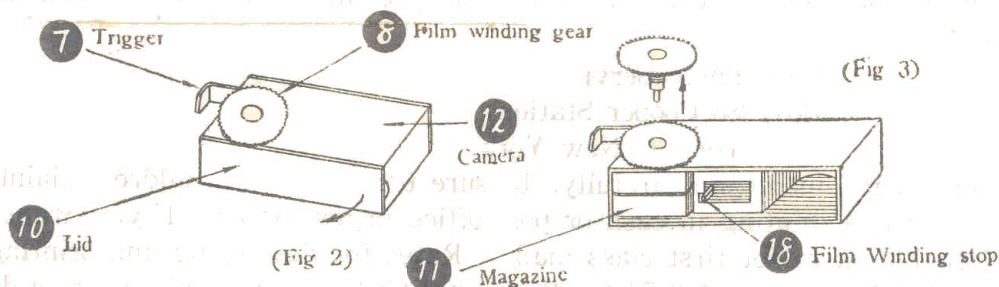
NEGATIVE SIZE : 6mm. × 6mm. Easily enlarged to wallet size print.

1. LOADING THE CAMERA.

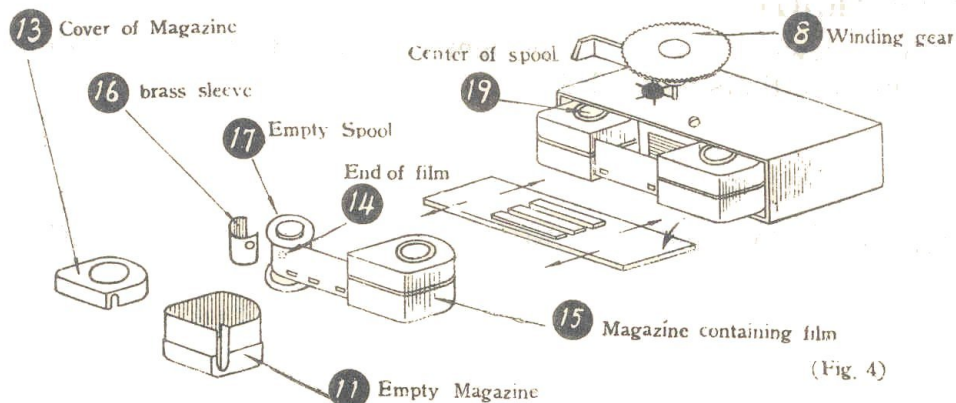
- (a) Lift up cover stopper (3). Grasp windshield (2) and pull lighter out of case (9). Then remove camera (12) from case.



- (b) Remove the lid (10) and winding gear (8) and take out empty magazine (11) from camera (12).



- (c) Take cover (13) off magazine (11). Fasten end of film (14) from loaded magazine (15) under removable brass sleeve (16) of empty spool (17). Plug on brass sleeve must fit into hole in spool. Replace spool in empty magazine, put cover on empty magazine and insert both magazines into camera. Film must be placed into magazine so that center of spool (19) fits perfectly into outside hole of magazine. Replace lid and insert camera into case (9). Return lighter to original position in case (9).



CAMERA LITE

カメラ ライト

使用説明書

Pat. No. 386557

〃 190879

レンズ 単玉

絞 り 8

シャッター速度 $\frac{1}{50}$ 秒

焦点 固定焦点

フキルム

撮影枚数

みのりSS 8ミリ マガジン入

20枚 $6\frac{m}{m} \times 6\frac{m}{m}$

(1) フキルムの入れ方の図解

フキルムを入れる時はなるべく日光の直射をさけて下さい。

第一図 キヤップ止 (1) を持ち上げ ライターの風除 (2) を擱んで ライターをケースから引出し次にカメラを、ケースから取出します。

第二図 カメラの裏蓋 (3) を下部にある爪かけ (4) からはずし 次にフキルム捲取ギヤー (5) をはずして下さい。

第三図 図示の如く シャッターレバー (6) を右にして置き、フキルムの送瓜の方へフキルムの穴を向けて、カメラに納めてから裏蓋とフキルム捲取ギヤーを嵌めて下さい。次に取りはずす時と逆にケースにカメラを先に入れてからライターを納め キヤップ止 (1) を持ち上げライター風防の上のツメに引掛けて下さい。これで撮影準備が出来上つたのです。

第一

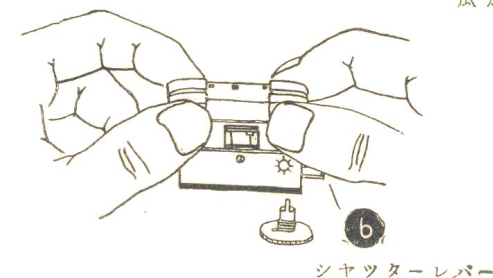
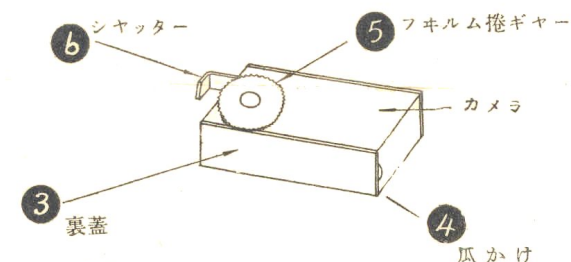
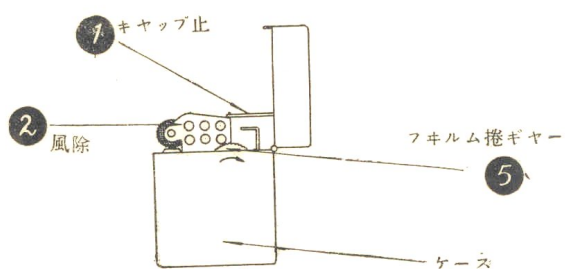
一 図

第二

二 図

第三

三 図



(2) 撮 影

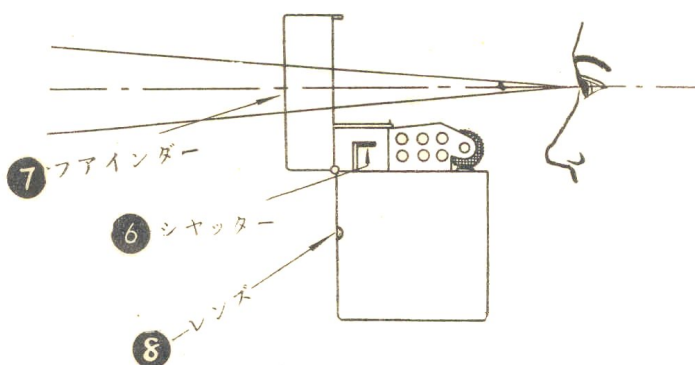
(A) 先づ太陽を背にしてカメラを垂直に持ち透視ファインダー (7) を覗いて被写体を定めます。

(B) 指でレンズ穴 (8) 覆わない様に 注意し乍らシャッターレバー (6) を押します。此の時充分に下にとまる迄押して下さい。

(C) 一回シャッターを切りますとフキルム捲取ギヤー (5) が捲ける様になつて居りますから➡印の方に捲きますと自動的にストップ致します。

(D) フキルムが無くなりますとストップせず空廻りしますから取り出して現像して下さい。但し此の時空のマガジンと間違いない様に願います。

(E) 3メートル以内の撮影が引伸した場合好結果を得られます。



KEEPING YOUR CAMERA CLEAN

The main lens, slip on lenses and the two view finder lenses are easily cleaned, (from the outside only), with dry soft tissue or clean cotton on wooden toothpick.

Blow out any dust particles that may appear inside the camera.

The film gate (24) behind the lens must be kept clean where it contacts the film—remove with a wooden stick any film emulsion particles that could accumulate with time. Do not use a metal object as it may scratch the surface of the film gate. **See areas in red.**

If and when the camera requires servicing or mechanism cleaning, just like a fine watch, send it through your dealer to the Bolsey specialized services. The work required will be charged at a nominal rate, and camera will again be fully guaranteed for another year.

safety locking device — plus exclusive variable-speed shutter available on no other movie camera of this class.

For professional results with your new Bolsey, read the instructions in this booklet carefully, and keep it handy for permanent reference. By following the simple steps outlined, you'll take pictures of unsurpassed quality anywhere and everywhere you go.

The Bolsey 8 is a wonderful traveller — easy to carry and easy to handle, ready on the spot to capture instantaneously those once in a lifetime, hard-to-get shots.

Get set for movie taking that's an unforgettable experience with your new Bolsey 8!

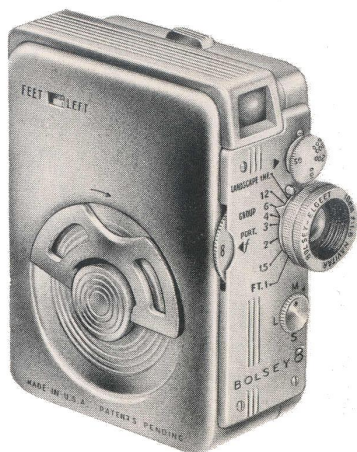
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If film is not yet available at your favorite store, write for name of nearest dealer

**BOLSEY-
DELMONICO**

Long Island City, N. Y.



PRINTED IN U.S.A. FORM NO. 581201



*world's smallest
movie camera
so simple to use...*

- 1.** WIND CAMERA SPRING
- 2.** SET LENS — ALL DATA SHOWN ON CAMERA
- 3.** PRESS RELEASE BUTTON

BOLSEY 8

**SINGLE 8mm
MAGAZINE MOVIE CAMERA**

REFERENCE DIAGRAM

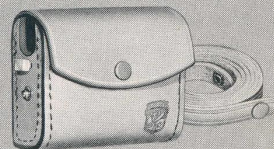


SOFT CAMERA POUCH

Beautiful soft leather pouch protects camera in pocket, keeps out lint, tobacco and dust. Can be zipped open in seconds for instant shooting.

LEATHER CASE

Handsome leather carrying case is contour fitted, protects camera completely. Can be worn on its own shoulder strap, or will slip right onto owner's belt.



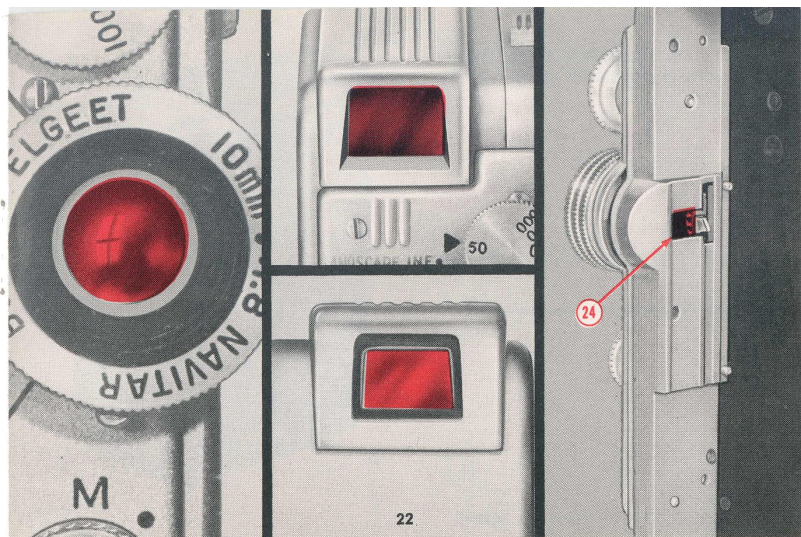
**YOUR
BOLSEY 8
A MASTERPIECE OF
MINIATURIZATION!**

Your Bolsey 8 is a product of the world's finest engineering, a master-crafted precision instrument that will give you a lifetime of fun taking living movies of the exciting events in your life.

The Bolsey 8 is so designed that it can produce motion pictures that are clearer and sharper than those of most cameras costing many dollars more—yet it is the world's smallest camera and weighs just 12 ounces!

What's more, this quality 8mm magazine movie camera has every important feature of much costlier equipment, such as single-exposure stop mechanism, adjustable focus,

1



TELEPHOTO LENS

A Bolsey Telephoto Lens brings objects twice as close, allows you to shoot clear detail of distant mountains, buildings, etc. Screw telephoto lens into front of camera lens, and when shooting, sight through small rectangle in view finder which shows the limits of the F-20mm coverage of the telephoto exposure.

WIDE ANGLE LENS

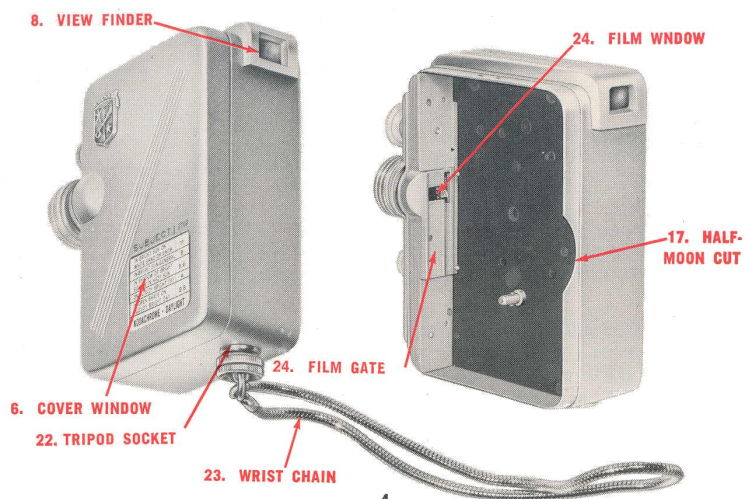
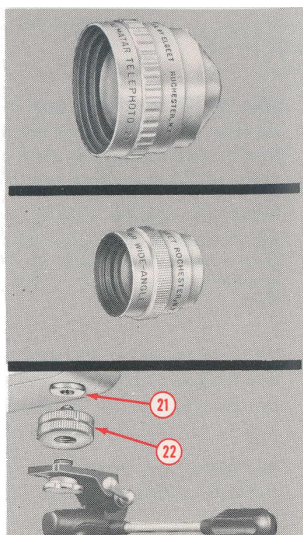
To take pictures requiring broader coverage, such as small room interiors, the Bolsey wide angle attachment screws into front of camera lens, forming a combination of F-6½mm; almost doubling F-10mm lens field coverage of the basic lens.

For distance settings of both attachments, follow the indications provided with each attachment.

TRIPOD ADAPTER

To attach any standard tripod to camera, a universal Bolsey Tripod Adapter (22) should first be screwed in socket (21) on the base of the camera. Wrist Chain (23) also screws into same socket.

19



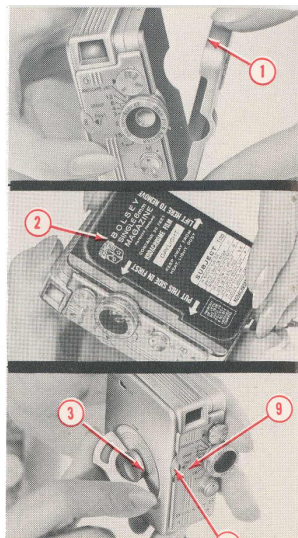
LOADING YOUR BOLSEY 8

- 1. OPEN THE CAMERA** by pulling cover tab (1) from the top first.
- 2. INSERT FILM MAGAZINE (2)** by placing film side toward the lens **FIRST**, the label on the magazine facing up. Press magazine down to secure in place. Close camera by engaging bottom of cover first.
- 3. WIND CAMERA** by turning winding key (3) clockwise, (see arrow above key). One complete winding (8 full key turns) will shoot 7 to 8 feet of film — enough for approximately 8 sequences or scenes.

IF CAMERA DOES NOT START

- a. See if magazine (2) is properly inserted.
- b. Make sure the f stop number on diaphragm disk (5) faces exactly arrow (9).
- c. Check to see if red dot on release button (10) is lined up with M or S.
- d. To make sure film is engaged, press release button (10), and at the same time give shutter knob (12) a slight twist.

5



AFTER THE FILM IS EXPOSED

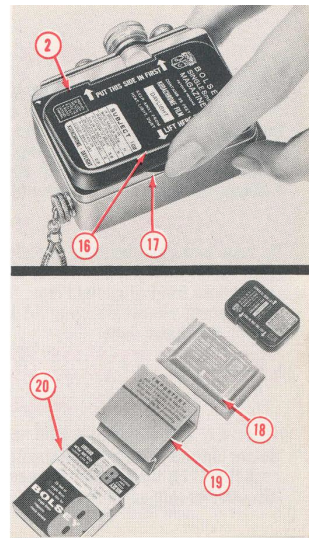
After the film is exposed, open the camera by pulling the cover tab (1), and remove the magazine (2) by lifting it by its grooved back (16) which protrudes in the half moon cut (17) at the back edge of the camera.

Replace the magazine carefully in its original wrapper (18), corrugated insert (19), and carton (20) for complete protection in sending to the Bolsey processing laboratory. Bolsey Labs P. O. Box 310, Cambridge 39, Mass.

Don't forget to print your name and return address in the space provided on the carton marked "from." Mail it to the Bolsey Laboratory. (The address is printed on the box). The film will be returned to you processed **FREE OF CHARGE**, and on a reel, ready for projection.

To preserve the brilliance of the colors, send film to be processed as soon as possible after it is exposed.

18



SETTING LENS OPENINGS (F STOPS) FOR DIFFERENT LIGHT CONDITIONS

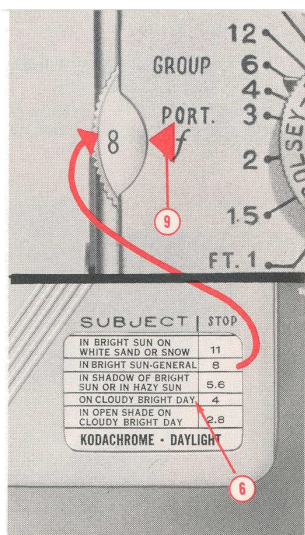
The exposure guides on the magazines are computed for shutter speeds of 1/50 Sec. (For other shutter speeds — see pages 15 and 16.)

Important! For all movie and still picture taking the shutter must be set at 1/50 Sec., unless otherwise specified. When the magazine is inserted in the camera and the cover locked in place, the exposure guide remains in full view through the cover window (6). This easy-to-read guide shows at a glance the proper f settings for different light conditions.

Consult this handy guide and simply set the f stop of the lens of the given opening by turning the diaphragm disk (5) until the desired number appears in the notch and **exactly faces the index (9)**.

It is of the utmost importance that the diaphragm disk **CLICKS** in position.

7



shooting movies

Professional camera men require a variable shutter. There are several occasions when a variable shutter can improve a movie picture. For example, it is useful when a smaller lens opening than f22 is required. By setting the shutter speed at 1/100 sec. instead of 1/50 sec., you will obtain the equivalent of an f32 setting. Higher shutter speed also produces sharper pictures of fast moving objects.

This is particularly important, when pictures are to be enlarged or stopped on the projection screen.

shooting still pictures

In still picture shooting, the variable shutter is an ideal setting device for a wide choice of shutter speeds to be coordinated with a choice of f settings. (For example — a fast moving subject which is normally shot at f 11 and 1/50 sec. will come out much sharper at f 8 and 1/100 sec. or even better at f 5.6 and 1/200 sec. This is particularly important for enlargements and still projection. The Bolsey 8 offers the following choice of shutter speeds: 1/50, 1/100, 1/200, 1/300, 1/600 sec.

Remember that the Exposure Guides on Bolsey magazines are computed for shutter speeds of 1/50th of a sec.

16

AUTOMATIC FOOTAGE COUNTER

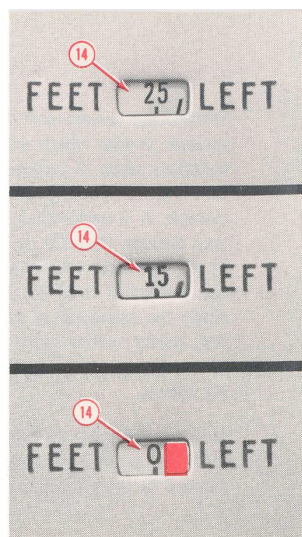
The footage counter is fully automatic, and when you insert a new magazine the footage counter window (14) will show 25 feet (full load) ready to shoot. When all the film has been used, you will hear a slight change in operating sound, or camera will automatically stop.

Note: If you wish to remove a partially used magazine, follow this procedure: Read the footage counter before taking film out of camera. Make a note of the remaining footage right on the magazine. When you replace that magazine it will reset the counter to 25 feet. You should therefore subtract the amount of unexposed film from 25 to determine how far to continue shooting. When all film is used, camera will automatically stop.

THE CAMERA SPEED

The camera is spring-wound, and runs at the standard speed of 16 frames per second. When mainspring is about to completely unwind, you will hear a slight slowing of mechanism acting as a warning to rewind.

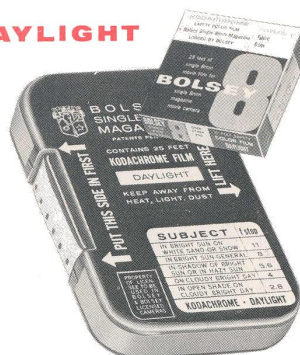
17



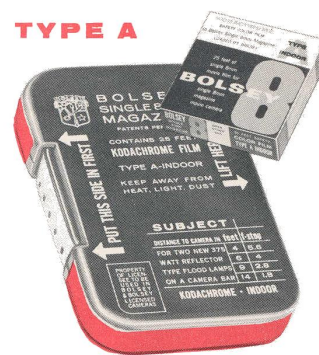
TWO TYPES OF COLOR FILM AVAILABLE

USE KODACHROME COLOR FILM IN SINGLE 8 BOLSEY MAGAZINES (25 ft. ea.). They are available for **Outdoor** Shooting and **Indoor** Shooting. (Indoor film may be used outdoor by inserting BOLSEY TYPE A FILTER #85 on the lens). Each magazine carries its own exposure guide, seen through the window (6) on the cover of the camera.

DAYLIGHT



TYPE A



6

SHORT CUTS TO SUCCESSFUL FILMING

You have at your disposal the finest camera in the world

THE BOLSEY 8

and the best film in the world

KODACHROME

There's no reason why

you shouldn't get the best pictures in the world. Very little is required to obtain perfect pictures . . . and you don't have to study or read big books to learn how. Just a few minutes of your attention will give you the know-how of a good cameraman. Simply follow this 3-point rule:

POINT 1: Know your equipment, take care of it:

- A — keep your equipment — camera, projector, splicer, screen, etc. — in perfect order.
- B — read the instructions on their use and up-keep carefully.

POINT 2: When filming, film correctly:

- A — make your setting carefully.
- B — hold camera steady, don't walk when filming.
- C — give sufficient time to each scene — don't rush.
- D — pan slowly; avoid frequent panning.
- E — for better details, come close to your subject.
- F — take several shots at different distances of each subject.

POINT 3: Prepare your film for projection:

- A — edit your film carefully. Eliminate bad parts of film and sequences that are too short (remember-one rotten apple spoils the whole barrel).
- B — splice film at least 100 feet in length, (a standard 400 ft. reel is even more desirable). Add titles; it's easy to do and it adds interest as well as beauty to your film.
- C — project the picture on a full screen with plenty of light on screen and none in room.
- D — sit your audience facing the screen (not from the side) at a distance of at least 5 times the width of the screen (for example: at 15 ft. for a 3 ft. screen); the best seats are always in the center and at the rear of the room.
- E — be a considerate host: Select the proper film for the proper audience. Remember, your personal films are of interest mainly to you and your family.
Remember — also — that your dealer will always be glad to help you and to advise you on what equipment and procedures are most suitable for you to get the best, the most colorful and the most attractive pictures.

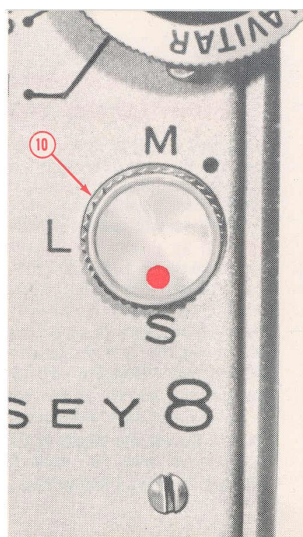
BOLSEY-DELMONICO

Long Island City, N. Y.

TAKING STILL PICTURES

Turn release button (10) until its red dot faces the letter S (Stills); a single press on the button will expose one frame. For outdoor and indoor still pictures follow the same settings you would use for taking movies. You can vary the exposure time through the Variable Shutter (See pages 15 and 16 for details).

13



YOUR BOLSEY 8 LENS

IT IS A PRECISION OPTICAL MASTERPIECE

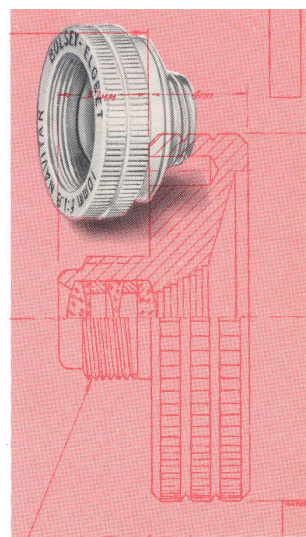
The lens on your Bolsey 8 movie camera has superb optical properties . . . and produces brilliant and sharp pictures.

It is a truly powerful lens, with an opening of **f 1.8** which enables picture taking even in poor light.

It has great depth of field—assuring the sharpest and clearest pictures possible, from the closest to the farthest subjects in the same scene.

It has a wide angle (**F=10mm**) assuring the largest possible area coverage. You'll find it particularly useful for shooting in small rooms indoors, or to cover large objects or areas outdoors.

10



**THIS IS YOUR STUB
Fill Out and Keep With
Your Valuable Records**

I purchased a Bolsey 8 movie camera

Serial # **Nº 5488**

on 19
(month) (day) (year)

From
(dealer's name)

I forwarded the Warranty Card to
BOLSEY-DELMONICO

.....
Date

Photography is more fun with Bolsey Acces-
sories. See them at your Bolsey Dealer.

Purchaser's Stub . . . Detach Here

Fill in this card and forward to BOLSEY-DELMONICO within 10 days of purchase
to be registered as an owner of Bolsey 8 movie camera, Serial # **Nº 5488**

NAME (Please Print)

OCCUPATION

ADDRESS

CITY ZONE STATE

I purchased the camera myself ☐ It was the gift of:

It was purchased on from

Which is a Photographic Store ☐ Drug Store ☐ Dept. Store ☐ other ☐

I learned about Bolsey Cameras and Equipment through:

☐ My Dealer's Recommendation ☐ A Friend's Recommendation

☐ Photographic Show in
(city)

☐ Magazine Advertisement
(name of publication)

☐ Radio Commercial ☐ TV Commercial ☐ Store Display

I already own a movie camera
(name and type)

INSPECTED

SA

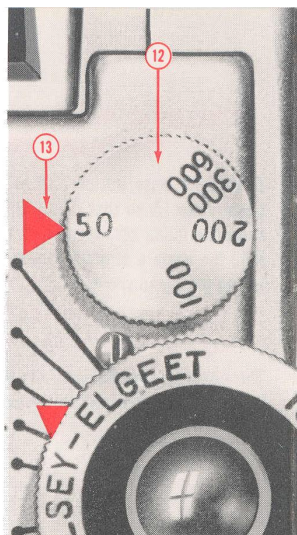
AUG 31 1960

VARIABLE SHUTTER SPEEDS

The Bolsey 8 is the first and only 8mm camera equipped with a variable shutter. Its speeds range from 1/50 to 1/600 sec. of the exposure time.

To reset the shutter speed, the main spring must be at least partially wound; then lift the knob (12), and turn it until the desired speed faces the red index (13). Then release the knob. The knob turns freely between 1/50 and 1/600 of sec. with a stop at each end. Don't force the knob beyond the stops.

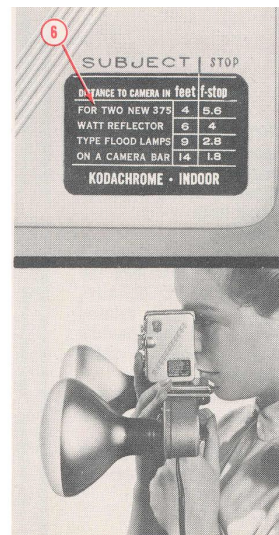
15



for outdoor shooting

use Kodachrome daylight film in Bolsey Magazine. Use f settings as shown in the exposure guide on the magazine, and as seen through the cover window (6). Kodachrome Type A Indoor Film may also be used for outdoor shooting when used with a Bolsey Type A Filter #85. For correct stops consult the separate guide card enclosed with the film.

8



for indoor shooting

use Kodachrome Type A Indoor Film in Bolsey Magazine. Use f settings as shown in the guide on the magazine. The guide recommends the correct f settings according to the **distance** from your light bar to subject. Use any small bar with **two** fresh 375 watt photo-flood bulbs. When using a bar with four similar bulbs, close the lens opening one f reading. (For example: use f 8 instead of f 5.6. OR IF YOU PREFER, increase the shutter speed to the next higher number. Example: use 1/100 Sec. instead of 1/50 sec.). For details see page 16.

FIRST CLASS
PERMIT No. 100
Sec. 34.9, P.L.&R.
NEW YORK, N. Y.

BUSINESS REPLY CARD

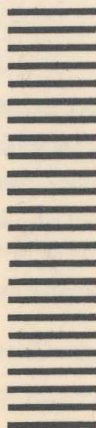
No Postage stamp necessary if mailed in the U.S.

Postage will be paid by

BOLSEY-DELMONICO

42-24 Orchard Street

Long Island City, N. Y.



WARRANTY

Your BOLSEY 8 movie camera is FULLY GUARANTEED for 1 year from the date of purchase from an authorized BOLSEY dealer against original factory defects in material and workmanship.

In order to make this guarantee fully effective you must fill out and mail the attached certificate within 10 days after purchase.

This warranty is not valid if the camera has been tampered with.

If necessary to return the camera, first wrap in tissue, pack carefully (no excelsior), insure fully, and prepay transportation charges.

BOLSEY-DELMONICO maintains an efficient department for checking, cleaning, and repairing this camera at reasonable rates after warranty period has expired.

BOLSEY-DELMONICO
42-24 Orchard Street
Long Island City, N. Y.

SETTING THE LENS FOR VARIOUS DISTANCES

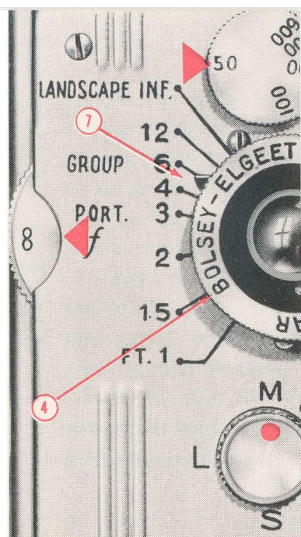
FOR AVERAGE SHOOTING IN SUNLIGHT

— turn the lens ring (4) so that its red index (7) is pointing to 6 feet on the distance scale. With the lens set at f 8, (sunny day) everything, from 2 feet to infinity, will be in focus. This is particularly useful when the subject is moving in depth back and forth.

If you are selective or when shooting on **cloudy days or in poor light**, simply set the index (7) so that it is pointing to the indication which best describes the subject you are about to shoot: "LANDSCAPE" (infinity), "GROUP" (6 feet), and "PORTRAIT" (3 feet), located next to the distance scale. Notice that the shooting distance corresponds approximately (which is sufficient) to the subject indications on the camera.

When shooting **at the very close range** of one or two feet (for titles, technical subjects, document reproductions, etc.), **an exact distance setting is necessary**. Simply measure with tape or ruler the distance from the lens to the object, and set the distance index (7) accordingly.

9



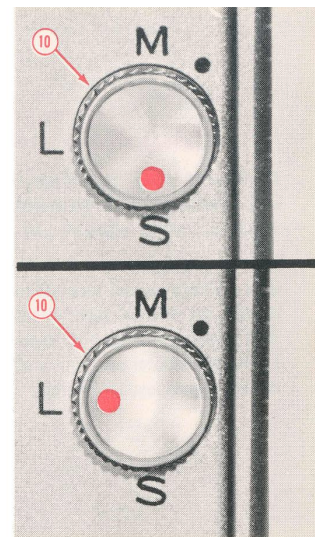
TAKING STILL PICTURES OF YOURSELF

Turn the release button (10) to S (Stills), set the distance index (7) so that it is pointing to 2 feet; refer to exposure guide on magazine for proper lens opening. Hold the camera at arm's length in front of you — lens facing you—and shoot.

AVOID ACCIDENTAL SHOOTING

The operating mechanism may be locked. Turn release button (10) until its red dot faces letter L (lock).

14



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Printed in Switzerland

BOLSEY CINE-FADER

SMALL AUTOMATIC COMPENDIUM

Seiz $3\frac{1}{8}$ " $\times$ $3\frac{1}{8}$ " $\times$ $1\frac{1}{4}$ ". Weight 6 ozs.

MADE IN SWITZERLAND

PATENTED IN:

Switzerland 205 917, France 440 986, Germany 13 412, Gr. Brit.
18 077, U S.A. 2 305 664, Belgium, Japan, etc.



ADVANTAGES

The Bolsey Cine-Fader is a small automatic accessory. It is the only one of its kind for fading in and fading out and for making lap dissolves in various shapes. It can be used with any amateur or professional movie camera.

TAKING MOVIES

Turn the release button (10) until its red dot faces the letter M (Movies).

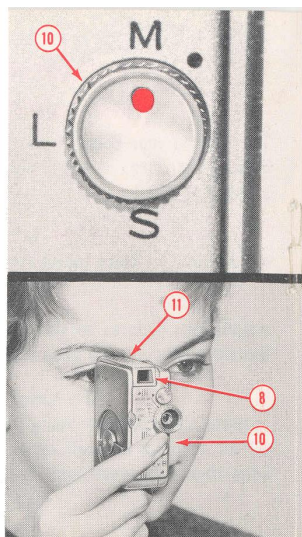
Hold the camera steady with one or both hands, as illustrated. The top (11) of the viewfinder (8) is knurled for better finger grip. For absolute steadiness, rest the hands holding the camera against the face, and place the elbows firmly against the body. Fully press the release button (10) without jerking or shaking the camera.

BE SURE YOUR FINGERS ARE NOT IN FRONT OF THE LENS.

Each scene or sequence you shoot should be at least 6 to 8 seconds long. By pivoting the camera from left to right, or right to left, you can do "horizontal panning"; upward and downward movements of the camera produces "vertical panning". These shooting techniques can be best accomplished with the camera on a tripod.

When panning, **move the camera very slowly and smoothly**. For good projection, it should take about half a minute for a half turn (180°).

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TAKING MOVIES OF YOURSELF

The Bolsey 8 lens is wide enough to take in the whole head at a distance of about 2 feet. Set the lens at that distance, set diaphragm, hold the camera at arm's length — lens facing you — and shoot. You may want to steady camera against a table or shelf for support.

YOU CAN BE IN THE ACTION, TOO!

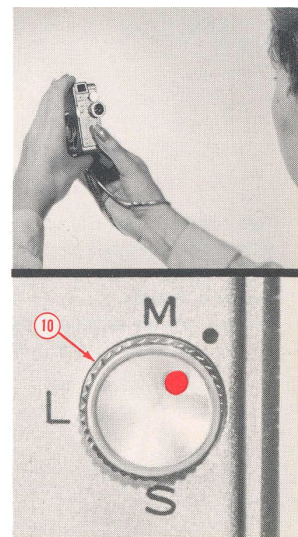
Place camera on tripod or table. Check the area covered through view finder, and set correct focus and f-stop. Place Release Button (10) at M.

When you are ready to shoot, press release button and turn it slightly to right until red dot faces dot on camera. This allows the camera to run automatically. Now get into the act. At the end of the scene, return to camera and turn Release Button (10) back to M.

You can pre-set the length of film to be shot by winding key (3) once for each foot of film desired.

Example: to shoot 3 feet of film — wind key 3 full turns.

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A few instances are hereafter described, but an ingenious operator may make a number of other combinations.

The Cine-Fader can be used for ordinary moving pictures, trick work and titles. Its use is especially indicated for titles and increases interest in them.

The Cine-Fader can be used during the projection of the film. Fitted to the lens of the projector, it can be used to fade in at the start of the film and to fade in or fade out as the film progresses at preselected points and then used to fade out at the end.

WORKING INSTRUCTIONS

1. The clockwork movement is to be fully wound by turning button 1 in the direction of the arrow (fig. 1). One winding is sufficient for several operations.

c) Handle the leaves with care. When changing position of the leaves, verify that the right hand leaf (looking at the Fader from the rear) passes **under** the rewind wheel.

d) Never attempt to stop the leaves when in motion. Should the leaves jam, remove or loosen the nuts 5 and 6 (fig. 2).

e) Before « shooting » verify that the clockwork is fully wound and that the Fader is securely attached to the lens.

BOLSEY CORPORATION OF AMERICA
118 East 25th Street, New York 10, N. Y.

KODACHROME COLOR MOVIE FILM IN BOLSEY SINGLE 8mm MAGAZINE

**IMPORTANT: FOR YOUR CONVENIENCE,
FILM PRICE INCLUDES PROCESSING AND RETURN ON REEL**

LOADING

Always load and unload in dim light. Do not force the magazine into the camera, handle it gently, with care. Keep the magazine in its original package when it is not in the camera.

STORING FILM

Exposed or unexposed film should be stored in a cool, dry place.

SHIPPING EXPOSED FILM FOR PROCESSING

Film should be processed as soon as possible after exposure to insure brilliance of colors. Avoid leaving a partially exposed film in the camera for any extended period of time. Film should be kept away from radiators, glove compartments, lying unprotected on the beach or places where it may be subjected to high temperatures, otherwise the film may have a greenish color when processed.

Place the exposed film magazine in red-yellow foil pouch, without resealing it, just fold its edge, then place it in corrugated liner for best protection from breakage or exposure, and then in the shipping box. The film will be returned to you on a reel complete with leader ready for projection. The magazine is the property of Bolsey and will be retained by the processing laboratory.

MAILING: Seal opening flap of shipping box with cellophane tape. The laboratory address is already printed on the carton. (Bolsey Laboratories, P.O. Box 310, Cambridge 39, Mass.) Print your name and address in the space marked "FROM". We have no other means of identifying your film for its return.

Send the exposed film to the processing laboratory preferably by First-Class Mail. (In U.S. 8 cents stamp required when over 1 oz. and under 2 oz.)

Remember — there is no extra charge for processing.

NOTE CAREFULLY, IF YOU TRAVEL ABROAD

It is important that a declaration for customs accompany exposed films returned from abroad for process-

ing. If the films are for personal use, this declaration should specifically state that the pictures are for personal use exclusively and are not to be used for any commercial purpose. To avoid customhouse broker's fees and other handling charges at the port of arrival in the U.S.A. shipment by mail, preferably air mail, is recommended.

NOTICE

Film will be replaced with fresh film if defective in manufacture, labeling, or packaging, or if damaged or lost by us. Except for such replacement, films are sold and will be accepted for processing, duplicating, or any other service without warranty, guarantee, or other liability of any kind. The dyes used in color films, like other dyes, may change in time. These products, therefore, will not be warranted against any change in color. (This is a usual film manufacturers notice).

INFORMATION ON BETTER MOVIES

Improve your movies by consulting your dealer. He will be happy to help and recommend to you books, equipment, and methods most appropriate for your particular needs.

PROPER EXPOSURES FOR FILM

For vital information on proper exposure of DAYLIGHT TYPE and INDOOR TYPE A Kodachrome Film in Bolsey Magazine under various light conditions, see reverse side.

**FOR FILM EXPOSURE
INFORMATION
SEE OTHER SIDE**



CABLE RELEASE

The Fader may also be operated by a standard cable release 12 (fig. 8 and 9). It is screwed into the socket at the bottom of the Fader. The cable release facilitates the simultaneous control of the camera and of the Fader and is recommended.

MAINTENANCE

The Fader as supplied by the factory has sufficient lubricant to last for years, however it is recommended :

a) To keep the Fader in its box when not in use, to avoid dust and distortion. Not to carry the Fader in the pocket unprotected, the dust and tobacco being especially harmful.

b) To release the spring of the clockwork movement, before storing for any length of time, in order to avoid keeping the spring under tension.

2. To change the shape of the fade and to place the desired shape of leaves 2 and 3 in front of the lens, proceed as follows :

a) The leaves must first be placed in the « opened » position. To do this, press lightly on lever 4 and release, the leaves will open and remain open (fig. 2).

b) Pull buttons 5 and 6 towards you, lifting them without forcing, turn gently around until the selected leaves are in desired position (fig. 3). Make sure that pin 13 (fig. 2) has engaged into one of the four holes in each leaf and that the lower portion of leaf 2 passes **underneath** button 1. Fix the Cine-Fader to the front of the lens by means of the three thumb screws 7, 8 and 9 (fig. 4), in the same manner as a filter is placed on a lens. The normal position is upright with the clockwork mechanism 10 (fig. 4) on the bottom. The device may also be placed in any position to obtain either horizontal or vertical or diagonal closure.

REMARKS

With cameras fitted with focusing device or reflex finder, the effect can be observed before « shooting ».

FADING IN

With the Cine-Fader fitted on the lens and the leaves closed, as the camera is started, press lever 4 to start the Fader and leaves 2 and 3 will start opening slowly. The leaves will open in about 3 seconds, the normal time of a fade, preceded and followed by a warning of one-half second.

FADING OUT

With the Fader in place on the lens and the leaves in open position, as the scene is about to end, press lever 4 and the leaves will slowly close. One can follow the action of the Fader by the

noise of the clockwork mechanism, so that it is not necessary to remove the eye from the view finder.

LAP DISSOLVES

Lap dissolves can be made only with cameras having back wind mechanism. Fit the Fader directly to the lens using the extension tube and use the half circle leaves.

a) Make a fade out at the end of the first scene.

b) Leave the lens closed, wind back a length of film corresponding to 3 seconds exposure of 48 frames (16 frames per second).

c) With the beginning of a new scene start the Fader and continue « shooting » with the Fader open.