

Universal Decimal Classification —

English full edition —
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UDC 77 Photography and similar
processes

UDC 025.45:77

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- British Photographic Association
- Central Unit for Scientific Photography
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Foreword

The English version of the Universal Decimal Classification (UDC) is being prepared and published as BS 1000 by the British Standards Institution (BSI) at the original joint request of the British Society for International Bibliography (BSIB) and the Association of Special Libraries and Information Bureaux (ASLIB), now amalgamated as Aslib. It has the approval of the Lake Placid Education Foundation, New York, proprietors of the Dewey Decimal Classification, from which the UDC derives. The English full edition of the UDC is authorized by the International Federation for Documentation (FID), PO Box 90402, 2509 LK The Hague, Netherlands.

This section is part of the English full edition. It should be used in conjunction with the English text of the International Medium Edition, BS 1000M, which refers to many other subjects of interest not listed in this schedule, and provides a conspectus of the whole scheme, together with an introduction to its use. For further practical information about the principles, application and utilization of the scheme, users should refer to BS 1000C.

This edition of BS 1000[77], which supersedes the 1968 edition, includes modifications authorized in *Extensions and Corrections to the UDC* (FID publication no. 248) up to and including Series 12, No. 1, dated May 1984. Subsequent issues of *Extensions and Corrections to the UDC* should be consulted to keep the schedule up to date. British Standards related to this part of BS 1000 are listed on the inside back cover.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 56, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Scope

Under 77 is classed information about photography and similar processes from the scientific, technical and artistic points of view.

Related subjects

- 347.783.54 Photographs and works produced by analogous processes — Copyright law
- 371.68 Audiovisual aids and appliances — Education
- 520.33 Photographic instruments and equipment — Astronomy and astrophysics
- 528.7 Photogrammetry (aerial and terrestrial)
- 53.087.5 Photographic recording — Physics
- 535 Optics, *especially*
- 535.24 Photometry
- 535.31 Geometrical optics
- 535.6 Colours and their properties. Colour theory
- 539.24 Microstructure revealed by photomicrography
- 541.14 Photochemistry
- 541.18 Colloid chemistry. Chemistry of adsorption phenomena. Capillary chemistry
- 621.385.833 Electron microscopes. Diffraction cameras
- 621.397 Facsimile transmission. Television
- 651.925 Production of multiple copies. Duplicating — Office management
- 655.2 Graphic reproduction processes. Production of printing surfaces. Typesetting. Composing
- 655.3 Printing operations and techniques. Presswork
- 661.14 Photochemical materials (other than plates, films, papers)
- 666.22 Optical glasses
- 667.2 Dyestuffs industry. Manufacture and use of dyestuffs
- 676.262 Coated paper and board. Chrome-paper. Art paper. Photographic paper. Light-sensitive paper. Heliograph paper etc.
- 681.6 Graphic reproduction machines and equipment
- 681.7 Optical apparatus and instruments
- 725.82 Buildings designed with visual emphasis. Theatres, cinemas etc.

- 727.97 Drawing office, art studio, photographic studio buildings
- 791.4 Visual displays. Pictorial exhibitions

Auxiliary signs and subdivisions

Full information about the common and special auxiliary signs and subdivisions (often abbreviated to “common and special auxiliaries” will be found in BS 1000M and BS 1000C.

Colon sign of relation. For the classification of information for the public, as in abstracts and bibliographies, maximum use of colon combination rather than of common and special auxiliaries is recommended. The use of the colon sign of relation is preferable for multiple entry systems, as it will help prevent the concealment of information. This usually results in longer notation, however, and for information for more restricted use the application of auxiliaries, where available, may be simpler and more convenient provided that there is an adequate alphabetical subject index.

Common auxiliaries. The common auxiliaries of language = . . . , form (0 . . .), place (1/9), race and nationality (= . . .), time “. . . ”, point of view .00 . . . , materials –03 . . . and persons –05 . . . are applicable throughout the UDC. However, they should be used mainly to express concepts not otherwise provided for in the schedules.

Special auxiliaries. The .0 special auxiliaries listed under 77 are applicable throughout the schedule. They may be detached and applied to any appropriate principal division if the result forms a meaningful combination, e.g.

773.718 Aftertreatment of diazotype prints

77.024.5 Trimming

773.718.024.5 Trimming of diazotype prints

For characteristics and details of machines and equipment the –1/–5 and –7/–8 special auxiliaries listed under 62 may be applied to 77.

Typographic presentation

Small type is used for cancelled numbers or text. The arrow → means either “see” or “see also” according to the context. The symbol ≅ “subdivide as” means that the number preceding it may be subdivided in the same way as, and with meanings analogous to the subdivisions of, the number which follows it.

Schedule

77 Photography and similar processes

In addition to conventional photography and cinematography, 77 includes processes in which images or records are made on a sensitive surface by means of light or other radiation, or by other forms of energy (except for processes classed elsewhere, such as television, cathode-ray oscillography, magnetic sound recording)

	Special auxiliary subdivisions for 77	77.018.415	Colour shift. Differential fading of dye layers
		.43	Staining of areas containing no silver
77.0	THEORY, TECHNIQUE AND VARIOUS GENERAL CONSIDERATIONS	.432	Staining caused during processing <i>The agent may be denoted by colon combination, e.g.</i>
77.01	THEORY, PRINCIPLES AND NATURE OF PHOTOGRAPHIC PHENOMENA <i>Physical (optical) and chemical details may be denoted by colon combination with the subdivisions of 53, especially 535, and 54, especially 541.14</i>		77.018.432:771.712 Staining caused by water quality, wash water impurities 77.018.432:771.72 Staining caused by developer. Developer stain
.018	Permanence		
.2	Resistance of photographic materials and photographs	.434	Staining caused by post-process treatments. Chemical stains
.22	Resistance to humidity and water	.44	Discoloration of areas containing silver
.221	Resistance to changes in relative humidity	.441	Browning
.223	Resistance to water	.442	Yellowing
.23	Resistance to heat and cold	.443	Spotting
.232	Resistance to fire	.2	Microspots. Redox blemishes
.235	Resistance to freezing	.444	Tarnish
.24	Resistance to abrasion	.445	Plumming. Bronzing
.25	Resistance to particulate matter, e.g. to sand, dust	.446	Coupler printout
.26	Resistance to light or other radiation <i>Further particulars may be denoted by colon combination with the subdivisions of 535-1/-7, e.g.</i>	.447	Silvering. Silver stain
	77.018.26:535-2 Resistance to visible light	.448	Fog
	:535-31 Resistance to ultra-violet radiation	.2	Chemical fog
	:535-34 Resistance to X-rays	.4	Dichroic fog
.27	Resistance to chemicals and chemical products in close proximity <i>The kind of product may be denoted by colon combination, e.g.</i>	.46	Dimensional changes, e.g. shrinkage, stretching
	77.018.27:632.951 Resistance to insecticides	.47	Breakage. Tearing. Curling. Separation of emulsion from support
	:665.58 Resistance to cosmetics	.472	Reticulation
	:667.6 Resistance to paints	.474	Blisters
.271	Resistance to oxidation	.476	Cracking
.1	Resistance to atmospheric oxygen	.6	Procedures to enhance permanence, performed during processing of the original image →77.026.6 Preservation practices
.9	Resistance to other oxidizing agents	.61	Removal of residual processing chemicals →77.023.8 Removal of fixing salts. Washing. Drying
.273	Resistance to adhesives	.611	Hypo clearing
.275	Resistance to inks	.612	Hypo elimination
.277	Resistance to solvents	.62	pH control →77.023.22 pH control in processing solutions
.28	Resistance to fungus, insects and other forms of biological attack <i>Further particulars may be denoted by colon combination with the subdivisions of 57/59</i>	.63	Protective coatings applied to the image surface. Protective varnishes, laminants etc. →77.024.3 Varnishing
.4	Ageing phenomena <i>Forms of deterioration occurring at any time after creation of the original image are classed here</i>	.65	Toning
.41	Fading. Regression	.652	Toning using gold salts
.411	Caused by additives in the emulsion	.653	Toning using selenium compounds
.413	Caused by chemical reactions with the atmosphere, promoted by radiation, heat and/or humidity	.654	Toning using sulphur compounds
		.659	Toning using other agents <i>Specific agents may be denoted by colon combination with the subdivisions of 546/547</i>
		.66	Hardening

77.018.67	Lubrication →778.586 Lubrication	77.021.133	Optical sensitizers (influencing spectral sensitivity) <i>Specific materials may be denoted by colon combination with the subdivisions of 54, e.g.</i> 77.021.133:547.712 Cyanines etc.
.68	Stabilization bath to prevent coupler printout	.134	Desensitizers
.69	Other special treatment and additives	.135	Hardening agents. Activators for hardness
.019	Deleterious influences and defects due to processing	.136	Surface-active agents. Wetting agents. Coating agents. Waxes
77.02	PHOTOGRAPHIC OPERATIONS. MANUFACTURE. EXPOSURE. PROCESSING AND STORAGE <i>For equipment → 771</i>	.137	Light-absorbing, light-diffusing agents not directly influencing photographic properties of emulsions. Optical brightening agents (filter, antihalo and fluorescing agents etc.)
.021	Production of light-sensitive materials. Treatment prior to exposure	.138	Toning agents. Developing agents
.1	Production of light-sensitive materials. Emulsions, additions etc.	.139	Other agents <i>Further particulars may be denoted by colon combination, e.g.</i> 77.021.139:541.572 Sequestering agents. Complexing agents
.11	Production of emulsions and light-sensitive mixtures <i>Further particulars may be denoted by colon combination, e.g.</i> 77.021.11:534-8 Influence of ultrasound on the production of emulsions :66.06 Handling, processing and purification of emulsions <i>or by the -9 special auxiliaries listed under 66, e.g.</i> 77.021.11-932.2 Continuous production of emulsions	.2	Identification dyes and compounds
.111	Preparation of ingredients	.14	Melting before coating (second melting)
.112	Emulsification. Mixing. Precipitation	.15	Application of sensitive mixtures to supports. Coating →77.021.5 Types of coating on sensitive materials 771.531 Kinds of sensitive material 771.534.13 Sensitization. Increasing sensitivity by various means
.113	Ripening	.16	Drying (including paper)
.114	Setting. Separation. Separation of solid phase (sedimentation, centrifuging, coagulation, dehydration etc.)	.17	Cutting. Perforating. Identification etc.
.115	Washing. Dispersion	.172	Cutting. Slitting
.2	Washing of gelatin. Washing of deposit after separation of solid phase	.174	Perforating →621.961.2 Cutting, perforating and blanking punches, punching
.3	Dispersion	.18	Packing and confection (into spools, filmpacks etc.)
.116	Melting. Digestion. Afterripening (first melting)	.3	Application by the user (with ready-made, manufactured mixtures). Hand coating. Self-coating
.117	Blending of different emulsions or mixtures	.5	Types of coating on sensitive materials
.118	Emulsion-making variables. Gelatin/silver ratio	.51	Substrata. Underlayers
.12	Special emulsions and mixtures →771.53 Light-sensitive materials (photosensitive materials)	.511	Baryta layer
.121	Emulsions without vehicle (Schumann emulsions)	.512	Plastic coatings
.123	Fine-grain emulsions (Lippmann emulsions)	.53	Sensitive coatings
.124	Emulsions with special gradation curve	.531	Single coatings
.125	Variable contrast emulsions	.535	Multiple coatings
.126	Printing-out emulsions	.54	Intermediate coatings. Separating coatings
.127	Emulsions for reversal processing	.55	Protective coatings. Anti-abrasion coatings. Anti-static coatings
.128	Direct-positive emulsions	.56	Light-filter coatings
.129	Other special emulsions or mixtures	.57	Stripping coatings
.13	Special additions to emulsions and light-sensitive mixtures →771.534 Sensitivity	.58	Backing layers
.131	Stabilizers. Anti-fogging agents	.582	Anti-curl layers
.132	Chemical sensitizers <i>Specific chemicals may be denoted by colon combination with the subdivisions of 54, e.g.</i> 77.021.132:546.593 Gold salts	.584	Anti-halation layers
		.59	Other coatings. Coatings to prevent Newton's rings
		.6	Coatings of auxiliary materials (non-sensitive materials), e.g. for image transfer
		.9	Pretreatment of light-sensitive materials prior to exposure

77.022	Operations associated with exposure →771.2 Studio and laboratory equipment. Lighting, fittings etc. 771.3 Exposure apparatus. Cameras. Enlargers 771.44 Lighting and light sources for exposure and printing <i>Further particulars may be denoted by other .0 special auxiliaries, e.g.</i> 77.022.019 Exposure defects	77.023.4	Development <i>For developing agents → 771.72 Further particulars may be denoted by other .0 special auxiliaries, e.g.</i> 77.023.4.019 Development defects .023.73 Combined development and fixing. Monobath processing .027 Regeneration of developer solutions
.1	Choice and arrangement of model and subject. Photographic perspective. Pictorial assessment	.41	Chemical development
.2	Arrangement of accessories for the exposure generally	.412	Development according to apparatus used
.3	Preparation and setting-up of photographic apparatus	.1	Dish development. Factorial method (Watkins or time factor method)
.31	Loading the camera	.2	Development in daylight developing tanks
.4	Choice and arrangement of lighting. Lamps, screens etc.	.3	Tank development
.5	Appreciation of lighting. Determination of exposure. Theory of exposure measurement →771.376 Accessories for determining exposure and quality of light. Lightmeters etc.	.7	Machine development, including spray processing
.6	Adjusting and setting of shutter	.413	Two-bath development. Split development
.7	Adjusting the aperture	.415	Development influencing sensitometric properties and the properties of the developed image <i>For sensitometry → 771.534.5 For properties of the developed image → 771.537</i>
.8	Adjusting the distance setting. Depth of field, theory and calculation <i>Further particulars may be denoted by colon combination with the subdivisions of 681.7.013</i>	.2	Development influencing sensitometric properties
.81	Focusing	.22	Development influencing general sensitivity (emulsion speed)
.023	Processing work and operations following exposure (including consideration of materials used) <i>For processing equipment → 771.4 For photographic chemicals and materials → 771.7 Further particulars may be denoted by other .0 special auxiliaries, e.g.</i> 77.023.019 Processing defects	.222	For low speed
.1	Preparation of the darkroom	.224	For high speed
.2	Preparation of baths and developing apparatus	.24	Development influencing contrast (development with fixed gamma)
.22	pH control in processing solutions →77.018.62 pH control	.242	For low contrast
.3	Handling and treatment of exposed materials before developing	.244	For high contrast
.31	Unloading the camera. Winding film on or back	.246	For maximum contrast
.32	Removal of backing paper. Unloading cassettes	.25	Development for reversed contrast. Reversal development
.33	Attaching to frame or drum. Winding film on racks. Arranging plates in holder	.26	Development influencing fogging
.38	Treatment before developing. Latensification. Desensitization	.3	Development influencing grain, sharpness, resolution and contrast transmission function
.382	Latensification by chemical means	.32	Fine-grain development. Ultrafine-grain development
.383	Latensification by post-exposure	.34	[cancelled] → 77.023.415.32
.386	Desensitization	.36	Development influencing sharpness
.387	Prehardening	.37	Development influencing resolution
.388	Reduction, e.g. Sterry effect	.38	Development influencing contrast transmission function
		.5	Development influencing image colour
		.54	Blue-black tones
		.56	Warm tones. Sepia or brown tones
		.7	Development influencing mechanical properties
		.72	Tanning development
		.74	Etching development
		.417	Development techniques for special conditions <i>Climatic zones may be denoted by Table 1e (211/213) common auxiliaries of place</i>
		.1	Special temperature conditions
		.12	Low-temperature development (below 18 °C)
		.14	High-temperature development (18 °C and above)
		.2	Strong-light development. Daylight development

77.023.417.3	Rapid development	77.024.3	Varnishing
.42	Physical development (silver deposition from the developer at the places of silver nuclei)		<i>For protective coatings applied to the image surface</i> → 77.018.63
.421	Before fixing	.4	Producing other decorative effects
.422	After fixing		<i>For mounting</i> → 77.026.71
.43	Development by gases, e.g. ammonia	.41	[cancelled] → 77.026.71
.44	Semi-dry development	.42	Producing relief edges (passe-partout effect) → 77.024.9 Embossing. Producing relief effects in the print
.46	Development by physical agencies. Electrolytic development. Heat development etc.	.48	Producing photomontages
.47	Electrographic development	.5	Trimming
	<i>For details</i> → 772.93	.6	[cancelled] → 77.026.43
.48	Activation processing	.7	Glazing
.5	Toning before fixing	.71	Cold glazing
	<i>For dye-toning processes (as distinct from technique)</i> → 773.525	.72	Hot glazing
.6	Transfer of electrographic images	.721	With rotary glazer
	<i>For details</i> → 772.93	.8	Transferring to glass, porcelain etc.
.7	Work on the developed image	.9	Embossing. Producing relief effects in the print
.71	Hardening		<i>For producing relief edges</i> → 77.024.42
.72	Stopping	.025	[cancelled] → 77.026
.73	Clearing and fixing	.1/.13	[cancelled] → 77.018.6, 77.021.55
	<i>For combined development and fixing</i> → 77.023.4.023.73	.3/.33	[cancelled] → 77.026.62
.731	By solution of the unconverted light-sensitive component. Fixing out	.4/.42	[cancelled] → 77.026.63
.732	[cancelled] → 77.023.737	.5	[cancelled] → 77.026.71
.734	Two fixing baths	.6	[cancelled] → 77.026.73
.737	By stabilization of the unconverted light-sensitive component	.7	[cancelled] → 77.026.75
.74	Other work on the developed image	.8	[cancelled] → 77.026.4/.5
	→ 77.018.6 Procedures to enhance permanence	.026	Conservation
	77.026.5 Chemical restoration of photographs	.1	Copying and duplication
.741	Intensification	.11	Copying and duplication of black-and-white originals
.742	Reduction	.111	Using an original negative
.743	Bleaching	.1	To make a duplicate or copy negative
.744	Toning	.2	To make a corrected negative
.745	Subsequent reversal		→ 778.15 Special methods for modifying the image
	<i>For reversal development</i> → 77.023.415.25	.21	By detail filter method (to increase sharpness and resolution)
.79	Other treatment	.22	By masking
.8	Removal of fixing salts. Washing. Drying	.221	For tone modification
	→ 77.018.611 Hypo clearing	.222	For tone separation
.81	Washing. Washing accelerators	.223	For contrast reduction
.82	[cancelled] → 77.018.6, 772.1.018.6	.23	By filtering
.83	Drying. Drying accelerators	.4	To make a positive transparency
.833	Physical drying methods	.5	To make a positive reflection print
.834	Chemical drying methods	.7	To make colour separations
.9	Other work following exposure. Quality control etc.	.112	Using an original positive paper print
	<i>For photographic reproduction and printing</i> → 778.1		77.026.112 ≅ 77.026.111
.024	Finishing of negatives and prints	.113	Using an original reflection positive on a non-paper support
	→ 77.018.6 Procedures to enhance permanence		77.026.113 ≅ 77.026.111
	77.026.7 Preparation for viewing	.114	Using an original positive transparency
	771.45 Finishing equipment. Mounting equipment		77.026.114 ≅ 77.026.111
.1	Retouching for special effects	.12	Copying and duplication of a line copy
.2	Tinting. Hand colouring		77.026.12 ≅ 77.026.11
		.13	Copying and duplication by autoradiography
			<i>Further particulars may be denoted by other .0 special auxiliaries, e.g.</i>
			77.026.13.018.41 Copying for enhancement of faded prints

77.026.13 (cont'd)	<i>For autoradiography in scientific applications (other than conservation) → 778.347</i>	77.026.612	Cold storage
.14	Copying and duplication of colour originals 77.026.14 $\cong$ 77.026.11	.614	Dark storage
.3	Assessing restoration requirements	.62	Storage equipment for physical protection of photographic images. Boxes, filing enclosures, shelving etc. <i>For special-purpose cases, shelves etc. for photographs in libraries → 022.486</i> <i>For office storing, shelving and filing → 651.54</i> <i>For albums, folders, files etc → 686.82/83</i>
.31	Damage, potential and actual	.63	Methods of organization <i>Further particulars may be denoted by colon combination with the subdivisions of 025, e.g.</i> 77.026.63:025.25 Accessioning. Labelling etc. :025.3 Cataloguing
.32	Recognition of signs of damage <i>The cause may be denoted by the .018.2 special auxiliaries</i>	.64	Security procedures
.33	Identification of materials and photographic processes	.65	Emergency procedures
.34	Special examination techniques. Cross-sections. Scanning electron microscopy. Energy dispersive X-ray spectroscopy (EDX) etc. <i>Further particulars may be denoted by colon combination, e.g.</i> 77.026.34:620.182 Techniques using production of sections :621.398.833.28 Techniques using scanning electron microscopes	.651	Preventive planning measures to protect collections in the event of a disaster →699.8 Protection of and in buildings. Emergency precautions
.341	Dating methods	.653	Mass treatment techniques for recovery of collections damaged during a disaster
.342	Authenticity testing. Testing for forgery or counterfeiting →77.028 Modern applications of historical processes	.7	Preparation for viewing
.343	Layer thickness testing	.71	Framing. Matting. Mounting. Remounting →686.5 Framing. Production of picture frames
.344	Interferometry	.73	Display methods
.345	Chemical analysis of dyes	.75	Handling techniques
.4	Mechanical treatment and repair of photographs	.8	Conservation laboratory equipment and materials
.41	Dismounting	.027	Restoration, regeneration, recovery and re-utilization of photographic materials, solutions etc.
.42	Dry cleaning	.1	Restoration of sensitive photographic material prior to exposure
.43	Flattening. Uncurling	.2	Regeneration of baths and photographic solutions. Sludge removal
.44	Laying down (reparation of tears)	.3	Recovery of residues
.45	Emulsion transfer	.31	Residues of silver from used fixing baths
.46	Retouching. Scratch removal	.32	Residues of silver from waste emulsions
.47	Facing	.4	Water conservation
.48	Ultrasonic cleaning	.028	Modern applications of historical processes <i>Used to qualify the process being emulated, e.g.</i> 771.531.222.028 Albumen papers (such as those produced by Chicago Albumen Works) 772.11.028 Daguerreotype "look-alikes"
.5	Chemical restoration of photographs		
.51	Refixing and rewashing		
.52	Intensification. Regeneration		
.53	Reduction		
.54	Bleaching and redevelopment		
.55	Tone modification		
.56	Wet cleaning		
.57	Stain removal		
.572	Using chemical baths		
.574	By irradiation		
.58	Fumigation		
.6	Preservation practices <i>For preservation and treatment of photographs and other art material in libraries → 025.177</i> <i>For processing procedures to enhance permanence → 77.018.6</i>		
.61	Storage conditions: buildings, environment, atmosphere etc. →727.82 Library and other archive buildings planned for specific uses and users		

77.03/.08	KINDS OF PHOTOGRAPHY AND PHOTOGRAPH	77.042	Animal life. Fauna
77.03	DOCUMENTARY PHOTOGRAPHY. PHOTOGRAPHIC RECORDS AND THEIR INTERPRETATION		<i>Further particulars may be denoted by colon combination with the subdivisions of 59 or 636/639</i>
	<i>This special auxiliary is the first in the series .03/.08 denoting different kinds of photograph. Hence it may be used as a simple affix throughout 77, especially 778, for information about photographs and their interpretation (as distinct from their taking and treatment) without prejudice to subjacent .04/.08 denoting pictorial subject, exposure condition, form and size, base or support, and intermediate stage, e.g.</i>	.043	Plant life. Flora
	778.33.03 Radiographs and their interpretation		<i>Further particulars may be denoted by colon combination with the subdivisions of 58 or 633/635</i>
	.03:61 Medical radiographs	.044	Reportage. News photography. Current events of immediate or historic interest
	778.35.034 Aerial photographs of objects in motion		<i>Further particulars may be denoted by colon combination, e.g.</i>
	For pictorial, artistic photography → 77.04	.047	77.044:656.1.08 Road traffic accidents
.031	Photographs of natural objects, visible and stationary		:791.6 Public festivals. Processions. Carnivals. Illuminations
.032	Photographs of copies, imitations, reconstructions of natural objects	.048	:796.332 Soccer matches
.033	Photographs of artificial, man-made objects. Works of art, buildings, machinery etc.	.049	Nature representations
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.6	<i>Further particulars may be denoted by Table 1e common auxiliaries of place, e.g.</i>
	77.033:72 Architectural photographs	77.05	77.047(21) Landscapes
.034	Photographs of movement, objects in motion	.051	(23) Mountain scenes
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.052	(26) Seascapes
	77.034:796 Sports photographs		Pattern and line ornament. Abstract designs etc.
.035	Photographs of microscopic objects. Photomicrographs		Other subjects
	<i>For photomicrography → 778.315</i>		Still-lives. Table-top photographs
.037	Photographs of objects not normally visible to the eye (other than microscopic objects)	.3	PHOTOGRAPHY, EXPOSURES ACCORDING TO AMBIENT CONDITIONS
.038	Photographs of scientific phenomena (physical, chemical or biological phenomena)	.5	Daylight exposures
.039	Document photography. Reproduction photographs	.053	Artificial and flashlight exposures
	<i>For copying and duplication → 77.026.1</i>		<i>For lighting, light sources → 771.44</i>
	<i>For photocopying → 778.1</i>		Continuous artificial light exposures
77.04	PICTORIAL PHOTOGRAPHY (ARTISTIC PHOTOGRAPHY). PHOTOGRAPHS ACCORDING TO SUBJECT	.056	Flashlight exposures
	77.04 ≅ 7.04, e.g.	.057	Combined lighting exposures. Night photographs, exposures
.041	Human form (face and body). Life studies	.058	Daylight with continuous artificial light
	<i>Details of age, race, sex etc. may be denoted by Table 1k -05 common auxiliaries of persons</i>		Daylight with flashlight
.2	Human form. Head, bust etc.		Continuous artificial light with flashlight
.3	The nude		Night exposures without additional lighting
.5	Portraits		Time exposures
.53	Self-portraits		Instantaneous exposures (snapshots)
.6	Clothing. Costumes etc. Fashion photographs		<i>For high-speed, ultrahigh-speed photography → 778.37</i>
.7	Scenes from life. Court life. Rustic life. Genre. Narrative photographs		Outdoor exposures
.8	Occupations. Trades. Professions		Indoor exposures
			Photographs taken from the air, from underwater
			Aerial photographs. Bird's eye views
			Underwater photographs
		77.06	PHOTOGRAPHS, PICTURES OR PRINTS ACCORDING TO APPEARANCE, FORM OR SIZE
		.061	Shadow pictures. Photograms (obtained without camera)
			→ 741.7 Silhouettes. Scissor-cuts
		.062	Photographic copies or prints generally
			<i>For reproduction photographs → 77.039</i>
			<i>For photocopying → 778.1</i>
		.063	Positives
			<i>For duplicate positives → 77.082</i>
		.064	Negatives
			<i>For duplicate negatives → 77.082</i>

77.065	Black-tone photographs. Black-and-white photographs	77.07	PHOTOGRAPHS ACCORDING TO SUPPORT OR BASE MATERIAL
.066	Monochrome photographs (blue, green, brown, sepia etc.)		<i>For supports → 771.52</i>
.067	Colour photographs	.071	Reflection prints, images on opaque supports (on paper, card, frosted glass etc.). Opalotypes etc.
	<i>For colour photography → 778.6</i>		Transparencies (on glass, film etc.)
.068	Size and formats of photographs, pictures and bases	.072	Photographs on metal supports
.1	Sizes and formats generally. Suitability for purpose etc.	.073	<i>The kind of metal may be denoted by Table 1k –034 common auxiliaries</i>
.11	Small or medium size	.2	Bimetallic surfaces
.112	Cartes-de-visite (102 mm by 64 mm) c. 1854	.075	Photographs on non-metallic mineral supports (other than glass), e.g. porcelain, stone, plaster
.12	Square or rectangular photographs, cards etc.		<i>The material may be denoted by Table 1k –03 common auxiliaries</i>
.121	Cabinet cards (114 mm by 165 mm) c. 1866		Photographs on wood or woody materials, cork etc.
.122	Victoria cards (82 mm by 127 mm) c. 1870		<i>The kind of wood may be denoted by colon combination with the subdivisions of 674</i>
.123	Promenade cards (102 mm by 178 mm) c. 1875	.076	Photographs on textiles. Pannotypes etc.
.124	Boudoir cards (133 mm by 216 mm)		<i>The kind of textile may be denoted by colon combination with the subdivisions of 677</i>
.125	Imperial cards (174 mm by 250 mm)	.077	Photographs on skin, hide and animal materials other than textiles. Ivorytypes etc.
.126	Panel cards (209 mm by 102 mm)		<i>The kind of skin etc. may be denoted by colon combination with the subdivisions of 675</i>
.127	203 mm by 254 mm	.078	Photographs on rubber, plastics and similar synthetic materials not included above
.13	Upright or lengthwise photographs, cards etc.		<i>The material may be denoted by colon combination with the subdivisions of 678</i>
.14	Round or oval photographs, cards etc. Disc format	.079	PHOTOGRAPHS ACCORDING TO INTERMEDIATE STAGES
.15	Stereographs (761 mm by 178 mm) c. 1859		Composite photographs
.151	Artiste stereographs (114 mm by 178 mm) c. 1873	.081	Photographs obtained by copying an original photograph. “Dupes” (duplicated negatives, positives)
.152	Cabinet stereographs (114 mm by 178 mm) c. 1873	.082	<i>Positives and negatives may be distinguished by using .063/.064</i>
.153	Deluxe stereographs (127 mm by 178 mm) c. 1873		<i>For copying and duplication → 77.026.1</i>
.2	Film gauges	77.08	Prints obtained indirectly from a negative
.24	8 mm gauge		Camera obscura drawings
.245	9.5 mm gauge	.084	Prints obtained directly, e.g. daguerreotypes.
.25	16 mm gauge	.085	Prints from direct printing papers
.26	35 mm gauge	.086	Prints obtained by reversal
.27	70 mm gauge	.087	Temporary records
.3	Medium formats of up to postcard size (105 mm by 148 mm)	.089	
.4	Large formats	77.09	OTHER MATTERS
	<i>For enlargements use 778.123.06</i>	.092	Photographic competitions
.48	Extra-large, outsize, super formats (including photomurals), e.g. for advertising		
.6	Thickness		
.069	<i>[cancelled] → 77.018.4, 77.019</i>		
.069.2	Case photographs		

Principal divisions

771 Photographic equipment, apparatus and materials

771.1	BUILDINGS AND PARTS OF BUILDINGS FOR PHOTOGRAPHIC PURPOSES	771.3	EXPOSURE APPARATUS. CAMERAS. ENLARGERS
.11	Buildings and accommodation generally <i>For management aspects of buildings → 658.2</i>		→681.7.013 Characteristics and performance of optical instruments <i>For stereoscopic cameras → 778.42</i> <i>For motion-picture cameras → 778.53</i>
.12	Studios →727.97 Drawing office, art studio, photographic studio buildings — Architecture	771.31	CAMERAS. OTHER EXPOSURE APPARATUS →681.772.2 Photographic cameras. Still cameras <i>Further particulars may be denoted by the .0 special auxiliaries listed under 77, e.g.</i> 771.31.022.3 Setting up and loading the camera
.121	Film studios →727.98 Film studio buildings — Architecture	.311	Studio cameras
.13	Photo-finishing laboratories. Developing rooms. Printing rooms <i>For processing equipment → 771.4</i>	.312	Portable stand cameras
.132	Developing rooms. Darkrooms	.313	Hand cameras
.134	Printing rooms	.1	Plate cameras. Sheet film cameras
.15	Research establishments and laboratories →061.62 Specialized research and development establishments or centres. Experimental stations. Research laboratories 727.57 Research institutes. Laboratories. Experimental stations — Architecture	.12	Plate reflex cameras 771.313.12 $\cong$ 771.313.26, e.g. 771.313.125 Twin-lens plate reflex cameras
771.16	Factories. Workshops →725.4 Industrial buildings. Factories etc. — Architecture	.2	Roll-film cameras
771.2	STUDIO AND LABORATORY EQUIPMENT. LIGHTING, FITTINGS ETC. →77.026.8 Conservation laboratory equipment and materials	.26	Roll-film reflex cameras
.21	Studio equipment. Furniture. Backgrounds etc. <i>For furniture and fittings → 645</i> <i>For furniture industry → 684</i>	.262	Reflex cameras with folding mirror. Single-lens reflex cameras
.22	Lighting of studios. Windows. Skylights. Curtains, screens etc. →628.9 Lighting. Illuminating engineering 771.44 Lighting and light sources for exposure and printing	.263	Beam-splitting reflex cameras
.23	Darkroom fittings. Fixed equipment for developing, fixing, washing etc. →771.43 Devices, equipment and machines for developing, fixing, washing, drying etc.	.265	Twin-lens roll-film reflex cameras →771.315 Binocular cameras
.24	Darkroom lighting and lights →628.977.1 Lighting of factories, workshops, workrooms	.3	Film-pack cameras
.242	Safe-lighting. Safe-lights	.4	Miniature cameras generally (including cameras using cine film for single exposure)
.25	Mobile or transportable darkrooms. Wagons, trailers etc. Developing cabins, booths etc.	.46	Miniature reflex cameras 771.313.46 $\cong$ 771.313.26
.26	Copying and reproduction room equipment	.5	Multiple format cameras
.27	Projection-room equipment. Enlarging-room equipment	.6	Disc format cameras
.29	Motion-picture studio (film studio), laboratory and workshop equipment	.314	Cameras according to structural design
		.2	Extension cameras (single-extension cameras)
		.3	Double-extension cameras. Triple-extension cameras
		.4	Folding cameras. Self-erecting cameras
		.5	Rigid cameras. Box cameras
		.7	Cameras disguised as other objects (e.g. books, revolvers, watches, binoculars). Detective cameras
		.315	Binocular cameras <i>For twin-lens roll-film reflex cameras → 771.313.265</i> <i>For stereocameras → 778.42</i>
		.316	Panoramic cameras
		.1	Plate panoramic cameras. Film-pack panoramic cameras
		.2	Roll-film panoramic cameras
		.317	Process cameras (photomechanical cameras, for graphic arts)
		.1	Horizontal process cameras
		.11	Cameras on ordinary stands

771.317.12	Cameras on spring stands	771.319.3	Automatic photographic machines
.13	Suspension cameras	.4	Camera obscura
.14	Darkroom cameras	.5	Astronomical cameras. Photogrammetric cameras
.2	Vertical type process cameras	.52	Astronomical cameras. Schmitt, Maksutor cameras etc.
.6	Special devices for process cameras	→520.33	Photographic instruments and equipment — Astronomy
.62	Transparency attachments and holders	.55	Photogrammetric cameras
.63	Projection devices for colour transparencies	→528.711.11	Photogrammetric (surveying) cameras
.64	Special devices for highlight exposure, e.g. Bassini slide holders	.552	Aerial cameras
.65	Screen holders	.554	Terrestrial cameras
.9	Special process cameras	.6	Beam-splitting cameras. Oneshot beam-splitters
.92	Cameras for series of negatives (step-and-repeat cameras)		<i>Further particulars may be denoted by colon combination, e.g.</i>
.95	Cameras for colour separation work		771.319.6:778.6 Beam-splitting cameras for colour photography
	→77.026.14 Copying and duplication of colour originals		7
	778.67 Copying colour photographs		771.32
.318	Copying and duplication apparatus, cameras. Enlargers		HOLDERS. CARRIERS. DARK SLIDES. ADAPTERS
.1	Contact copying apparatus	.321	Plate or sheet-film holders, carriers, cassettes, dark slides
.15	Duplicating machines (incorporating developing devices)	.323	Plate or sheet-film adapters for roll-film cameras
	→771.319.7 Cameras incorporating processing/developing devices	.324	Devices for changing the format in roll-film cameras
	771.327 Processing, developing attachments (for copying apparatus and cameras)	.327	Processing, developing attachments (for copying apparatus and cameras)
.2	Copying cameras		→771.318.15 Duplicating machines (incorporating developing devices)
.3	“Photostat” and similar cameras		771.319.7 Cameras incorporating processing/developing devices
.5	Enlargers		
	<i>Further particulars may be denoted by special auxiliaries, e.g.</i>		
	771.318.5.051 Daylight enlargers		
.51	Enlargers with manual focusing		
.511	With diffused light		
.512	With combined illumination		
.513	With directed light		
.53	Enlargers with automatic focusing	771.33	DEVICES FOR DAYLIGHT LOADING, CHANGING AND POSITIONING
.531	With diffused light	.331	Changing devices for plates or sheet film
.532	With combined illumination	.2/.9	[cancelled] → 771.331
.533	With directed light	.332	Film spools
.55	Enlargers utilizing a hand camera	.333	Roll-film cassettes, cartridges
.56	Enlargers with fixed scale of enlargement	.334	Film packs
.58	Mass-production enlarging machines	.1	[cancelled] → 771.334
.6	Stands. Supports. Holders	.336	Other devices for daylight loading and changing. Changing devices with attachable magazines
.62	Holders or carriers for originals	.337	Film-positioning mechanisms and indicating devices
.7	Focusing devices for enlargers		
.8	Devices for determining exposure time of enlargers		
.319	Special function cameras	771.34	STANDS. TRIPODS
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.341	Studio stands
	771.319:548.733 X-ray diffraction cameras for crystallography	.342	Folding stands
.1	Multiple-exposure cameras	.343	Telescopic stands
.11	With pictures on one exposure area	.344	Stick stands (walking stick stands)
.12	With pictures on several exposure areas (step-by-step). Sequence cameras	.345	Cine-camera stands
.2	Pinhole cameras	.346	Stands for close work. Copying stands
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.347	Parts of stands. Tripod screws
	771.319.2:778.33 Pinhole cameras for radiography	.5	Tripod heads. Panorama heads
		.6	Tilting devices. Cradles, ball-and-socket joints, flexible tubes
		.7	Devices for stereoscopic photography with a single-lens camera, including stereo slide rails

771.347.8	Slide rails etc. for horizontal camera displacement (other than for stereoscopy)	771.355.32	Systems with virtual intermediate image (Galilean telescope)
.349	Other stands	.33	Afocal systems for variable magnification
771.35	OPTICAL PARTS OF PHOTOGRAPHIC CAMERAS	.34	Anamorphic lens attachments
	<i>For theoretical (optical) aspects → 535</i>	.4	Zero-power attachments for deflecting the optic axis (prisms or mirrors)
.351	Photographic camera objectives	.44	Anamorphic prism attachments
	→681.7.013 Characteristics and performance of optical instruments	.7	Soft-focus (filter) attachments
	681.7.067 Lens systems. Objectives. Oculars. Inverting systems. Condensers	.71	Attachments with residual chromatic errors
.1	Simple objectives	.72	Attachments with residual aperture errors. Zone lenses etc.
.15	Symmetrical doublets	.73	Attachments with diffusing layers
.16	Convertible objectives	.356	Filter attachments and holders
.2	Anastigmats		<i>For filters → 771.449.5/.8</i>
.25	Double anastigmats	.358	<i>For filter factors → 771.534.25</i>
.3	Wide-angle lenses		Lens hoods. Movable apertures for cine cameras to produce vignetting effects. Masks
.4	Telephoto lenses	.359	Screens. Screen attachments
	→778.32 Telephotography (including astronomical applications)	771.36	SHUTTERS. RELEASES
.5	Portrait lenses	.361	Sliding and rotating blade shutters. Lens caps
.6	Process lenses	.362	Gravity-action shutters
.7	Special lenses	.363	Spring-actuated shutters. Sector-type shutters etc.
.72	Soft-focus lenses	.364	Repeater shutters
	→771.355.7 Soft-focus (filter) attachments	.365	Focal plane, flap shutters
.74	Anamorphote lenses	.366	Slot shutters. Roller-blind shutters
	→771.355.34 Anamorphic lens attachments	.2	Simple type, consisting of slotted blind and rollers
	771.355.44 Anamorphic prism attachments	.4	With adjustable slot widths
.76	Variable-focus lenses	.5	Shutters with escapement retarding mechanism
	<i>For systems with variable focal length →535.317.226</i>	.7	Double-sliding blade shutters
.761	Systems with mechanical adjustment	.367	Between-lens shutters
.762	Systems with optical adjustment	.2	Simple rotating sector shutters
.8	Devices for obtaining multiple images	.3	Everset shutters
.352	Lens mounts	.4	Presetting shutters with pneumatic timing
.2	Mounts for individual lenses. Principles of lens mounting (edge mount or screw ring)	.5	Shutters with escapement retarding mechanism
.3	Fixed mounts with lens and diaphragm only (standard mounts)	.7	Shutters with electronic control
.4	Focusing mounts, particularly non-interchangeable		→771.368.5 Flash synchronizing releases
.5	Screw mounts for interchangeable lenses	.368	Releases
.6	Bayonet mounts for interchangeable lenses	.1	Pneumatic releases
.7	Rotating, sliding and similar devices for interchanging lenses. Turret heads	.2	Cable releases
.8	Iris mounts	.3	Self-timers
.353	Screw threads for objectives	.5	Flash synchronizing releases
.354	Diaphragms	771.37	CAMERA ACCESSORIES
.3	Perforated diaphragms	.371	Viewfinders
.5	Iris diaphragms	.1/.4	Non-focusing viewfinders
.355	Optical attachments other than filters. Zero power systems and attachments	.1	Frame viewfinders and similar equipment
.1	Positive supplementary lenses and systems	.15	With field of view sharply delimited
.2	Negative supplementary lenses and systems	.151	By image formation with a half-silvered mirror (Albada viewfinder)
.3	Zero-power systems. Telescopic systems	.152	By image formation using both eyes
.31	Systems with real intermediate image (Kepler telescope)	.2	Ground-glass viewfinders
		.22	Using reflected light (image erect, laterally reversed)
		.3	Telescopic viewfinders and similar equipment
		.31/.33	Viewfinders with real intermediate image
		.31	Inverted image viewfinders
		.32	With single reflection (image erect, laterally reversed). Brilliant viewfinders

771.371.33	With double reflection or erector lens (image erect, unreversed)	771.376.1	Exposure calculators
.35/.36	Viewfinders with virtual image		771.376.1 $\cong$ 771.376.35
.35	Negative lens and sight (Newtonian-type viewfinders)	.2	Exposure tables
.36	Negative lens and magnifying glass or eyepiece (Galilean-type viewfinders)		771.376.2 $\cong$ 771.376.35
.365	With sharply delimited field	.3	Exposure meters
.4	Other non-focusing viewfinders	.31	Chemical exposure meters. Actinometers
.41	Viewfinders using a non-spherical mirror for producing an erect, unreversed image (Sellar viewfinders)		771.376.31 $\cong$ 771.376.35
.5	Focusing viewfinders	.32	Physical exposure meters
.51/.53	Viewfinders with ground-glass screen		771.376.32 $\cong$ 771.376.35
.51	Simple ground-glass screen type (image inverted)	.33	Optical exposure meters. Photometers
.52	Single reflection type (image-erect, laterally reversed)		771.376.33 $\cong$ 771.376.35
.525	With field lens	.35	Photoelectric exposure meters
.526	With partially matted field lens	.351	Fitted on to the camera
.53	Double reflection type (image erect, unreversed)	.352	Built into the camera
.535	With field lens	.353	Coupled, manually adjusted (until the meter reads correctly)
.536	With partially matted field lens		Coupled, mechanically controlled (spring, magnet etc. setting aperture or shutter speed)
.55/.57	Viewfinders with eyepiece wires, crosswires etc.	.354	Coupled, self-setting (photocurrent altering aperture or shutter speed)
.55	Simple type	.355	Colour temperature meters for photographic purposes
.56	Single reflection type (image erect, laterally reversed)	.6	→535.233.56 Colour temperature
.57	Double reflection type (image erect, unreversed)	.377	Magnifiers and similar focusing devices
.6	Collimator viewfinders	.378	Ground-glass screens. Focusing screens
.7	Viewfinders with parallax adjustment	.5	Screen hoods and shades
.372	Distance meters. Telemeters. Rangefinders	.379	Focusing hoods, shades, cloths
	<i>Further particulars may be denoted by the -5 special auxiliaries listed under 62, e.g.</i>	771.38	CONTAINERS. CASES, BAGS ETC.
	771.372-52 Automatic rangefinders	.382	Cases. Ever-ready cases. Containers for cameras and stands. Carrying straps
.1/.4	Distance meters with optical base	.383	Cases and containers for lenses, filters etc.
.1	Distance meters with rotating mirror	771.39	OTHER CAMERA EQUIPMENT
.2	Distance meters with rotating wedge	771.4	PROCESSING EQUIPMENT (OTHER THAN EXPOSURE APPARATUS). LIGHTING. NEGATIVE AND PRINT FINISHING AND STORING EQUIPMENT
.3	Distance meters with swinging wedge		<i>For processing operations</i> → 77.023
.4	Distance meters with deviating lens or similar means	771.41	<i>For darkroom fittings and equipment</i> → 771.23
.5	Scales	.412	CUTTING AND MARKING EQUIPMENT. GLASSES. MASKS ETC.
.55	Depth of field ring and similar accessories	.1	Cutting tools. Glasscutters. Trimmers, guillotines etc.
.6	[cancelled] → 771.372.8	.2	Glasscutters. Diamonds etc.
.8	Other kinds of distance meter	.413	Paper and film trimmers, guillotines etc.
.9	Coupled devices		Scales (rules). Squares. Cutting and marking gauges
	<i>Further particulars may be denoted by colon combination, e.g.</i>		<i>Further particulars may be denoted by colon combination with the subdivisions of 744.3</i>
	771.372.9:771.352.4 Distance meters with focusing mount	.414	Ground glasses. Coloured glasses
.91	With rotating mirror		<i>Further particulars may be denoted by colon combination with the subdivisions of 666.2</i>
.92	With rotating wedge	.415	Masks or mats, e.g. for framing or vignetting, contrast or tone control
.93	With swinging wedge		<i>Special kinds may be denoted by colon combination with the subdivisions of 778.15</i>
.94	With deviating lens and similar means		→778.681.5 Masking methods for colour correction
.373	Levels. Clinometers		
.375	Compasses		
.376	Accessories for determining exposure and quality of light. Lightmeters etc.		
	→535.24 Photometry		

771.416	Determination of printing time	771.436	Drying equipment. Glazing equipment
.1	Test strips or step-wedges	.5	Drying equipment. Drying cabinets etc.
.2	By photoelectric measurement	.6	Glazing equipment. Glaze-drying drums
.417	Apparatus for determining grade of paper used in copying and enlarging	.437	Equipment for manipulating negatives and prints. Plate and film holders. Fingerstalls. Clips etc.
771.42	PRINTING FRAMES AND MACHINES	771.44	LIGHTING AND LIGHT SOURCES FOR EXPOSURE AND PRINTING
.421	Printing frames		<i>For optical aspects</i> → 535, especially 535.217, 535.233.5, 535.24
.425	Large frames for copying documents in bulk, blueprints etc.		<i>For actinometry</i> → 541.141.9
.426	Pneumatic and vacuum frames, e.g. for photomechanical printing		<i>For lighting of studios, darkrooms</i> → 771.22, 771.24
.427	Printing machines. Printing boxes		<i>For photography under various lighting conditions</i> → 77.05
.2	Automatic printers		<i>Natural and artificial lighting techniques may be distinguished by colon combination with the subdivisions of 628.9, e.g.</i>
.5	Printing boxes		771.44:628.92 Natural lighting sources.
.428	Automatic machines for printing on a continuous band of paper. Step-and-repeat printers		Daylighting
.2	Printing machines for blueprint, dyeline and other trace printing processes		:628.92.021 Sunlight sources
.429	Other printers. Scanning printers. Electronic printers etc.		.025 Moonlight sources
771.43	DEVICES, EQUIPMENT AND MACHINES FOR DEVELOPING, FIXING, WASHING, DRYING ETC.		.026 Starlight sources
	→542.2 Laboratory apparatus and techniques		:628.93 Artificial lighting sources
	771.23 Darkroom fittings. Fixed equipment for developing, fixing, washing etc.	447	:628.93.041 Electric lighting sources
.431	Developing dishes		.047 Gaslight sources
.432	Developing troughs, tanks and machines		Continuous artificial lighting, lamps or other sources
.1	Developing troughs, tanks for plates		<i>Further particulars may be denoted by colon combination, e.g.</i>
.2	Developing troughs, tanks for film	.8	771.447:628.93.041 Electric lamps
.21	Developing troughs, tanks for roll film		:628.93.047 Fuel or flame lamps
.22	Developing troughs, tanks for film packs	.82	Metal-burning sources (magnesium, aluminium etc.)
.23	Developing troughs, tanks for sheet film	.84	Magnesium or other metal strip, ribbon or wire
.24	Developing racks. Developing frames. Developing reels. Drums	.448	Magnesium or other metal-burning torches
.25	Daylight developing tanks for individual roll films	.2	Flesh-lighting, flashlight sources
.3	Developing machines. Continuous treatment machines	.24	Flash powders (magnesium, aluminium etc.)
.32	Machines for cine film	.4	Igniting devices for flash powders
.322	Immersion machines	.41	Flash bulbs
.323	Spray machines	.42	Bulbs with metal foil
.324	Machines using viscous solutions	.44	Bulbs with metal wire
.33	Machines for wet development of wide rolls of paper or film		Igniting devices for flash bulbs
.34	Machines for semi-dry development	.6	→771.368.5 Flash synchronizing releases
.35	Machines for gaseous development	.64	Electronic flash sources
.36	Machines for reversal development	.66	Igniting devices for electronic flash
.37	Developing machines for blueprint, dyeline and other trace printing processes	.8	Stroboscopic flash sources
.38	Special developing machines	.84	Electric spark sources
.382	Developing machines for sensitometry	.86	Spark-generating devices
.383	Developing machines for high-speed processing	.449	Stroboscopic spark sources
.384	Machines incorporating combined exposure, processing and projection devices		Means of controlling and modifying the lighting
.4	Temperature-controlled vessels and dishes	.3	→771.351.72 Soft-focus lenses
.5	Fixing troughs, tanks etc.	.5	771.355.7 Soft-focus (filter) attachments
.433	Rocking devices		Directing devices. Reflectors. Heliostats
.434	Draining racks		<i>For details of reflectors etc.</i>
.435	Washing equipment		→ 628.94
			Diffusing devices. Screens etc.
			<i>For details of screens etc.</i> → 628.95
			Generalities on light filters
			<i>Further particulars may be denoted by colon combination with the subdivisions of 535.345.6</i>
			→771.534.25 Filter factors

771.449.6	Filters controlling total light intensity. Neutral filters	771.523.2	Cellulose acetate film. Triacetate film.
.7	Filters controlling spectral distribution. Colour filters <i>Individual colours and spectral regions may be denoted by colon combination with the subdivisions of 535-1/-36</i>	.3	Acetobutyrate film. Other safety films based on cellulose esters
.72	Colour filters for increasing contrast	.4	Regenerated cellulose films. Viscose film
.73	Colour-separating filters. Trichromatic filters	.6	Polyesters. Polyethylene terephthalate
.76	Colour-correcting, colour-compensating filters (film sensitivity). Conversion filters for altering colour temperature	.7	Films of other plastics materials
.8	Polarizing filters	.9	Pigmented plastics supports
771.45	FINISHING EQUIPMENT. MOUNTING EQUIPMENT →77.026.8 Conservation laboratory equipment and materials	.524	Other plastics supports
.451	Retouching equipment. Retouching desks, tools etc.	.1	Metal supports
.452	Colouring equipment. Crayons, brushes etc.	.2	Plate supports
.455	Presses for flattening, eliminating curl	.525	Foil supports
.457	Mounting equipment	.526	Special temporary supports
.1	Dry-mounting presses	.528	Special stripping or transfer materials as temporary supports →77.021.57 Stripping coatings
771.46	STORING, FILING, DISPLAY AND VIEWING EQUIPMENT <i>Further particulars may be denoted by the .026 special auxiliaries, e.g.</i> 771.46.026.62 Storage equipment for physical protection of photographic images	.529	Hydrophobic, water-resistant paper bases.
771.5	NEGATIVE AND POSITIVE PHOTOGRAPHIC MATERIALS. EMULSION VEHICLES, BASES OR SUPPORTS. SENSITIZED MATERIALS AND THEIR CHARACTERISTICS	771.53	Resin-coated, plastics-coated papers
771.51	EMULSION VEHICLES. NON-SENSITIZED MATERIALS USED FOR THE PRODUCTION OF LIGHT-SENSITIVE LAYERS	.019	Other supports, e.g. tracing cloths
.511	Collodions and other cellulosic materials		LIGHT-SENSITIVE MATERIALS (PHOTOSENSITIVE MATERIALS) [cancelled] → 77.018.2, 77.019
.512	Albumin	.531	Kinds of sensitive material <i>The purpose may be denoted by colon combination, e.g.</i> 771.531:778.33 Sensitive material for X-radiography <i>Details of manufacture may be denoted by the .021 special auxiliaries</i> <i>Sizes and formats may be denoted by the .068 special auxiliaries</i>
.513	Gelatin	.1	Plates
.514	Aluminium oxide. Eloxal layer etc.	.11	Wet collodion plates
.516	Synthetic macromolecular materials <i>Further particulars may be denoted by colon combination with the subdivisions of 678</i>	.12	Dry plates
.519	Other materials	.121	Collodion dry plates
771.52	SUPPORTS FOR SENSITIVE MATERIALS. BASES →77.07 Photographs according to support or base material	.122	Gelatin dry plates
.521	Glass supports	.14	Double-coated plates, e.g. X-ray plates
.522	Paper supports	.15	Lantern plates
.1	Transparent paper supports	.16	Screen plates
.2	Distortion-free paper supports. Metal-baked paper bases etc.	.17	Special plates, e.g. for photomicrography, for spectral and astronomical exposures
.3	[cancelled] → 771.528	.2	Papers
.523	Plastics supports <i>Further particulars may be denoted by colon combination with the subdivisions of 678</i>	.21	[cancelled] → 771.531.231/.231.3
.1	Cellulose nitrate film	.211	[cancelled] → 771.531.26
		.22	Printing-out papers. Daylight papers
		.221	Salted papers
		.222	Albumen papers
		.223	Collodio-chloride papers
		.224	Silver gelatin papers. Gelatino-chloride papers. Chloro-citrate papers
		.225	Self-toning papers
		.226	Arrowroot papers
		.23	Developing-out papers
		.231	Silver gelatin papers
		.1	Chloride papers
		.2	Bromide papers
		.3	Chloro-bromide papers
		.232	Solar prints
		.234	Double-coated papers (papers coated on both sides), e.g. X-ray papers

771.531.235	Special-purpose papers	771.534.2	Spectral sensitivity. Optical sensitization
.24	Resin-coated papers (RC papers)		→ 535.232.61 Spectral sensitivity of the radiation receiver
.241	Silver gelatin resin-coated papers	.21	Sensitization by dyes
.25	Non-silver papers		→ 77.021.133 Optical sensitizers
.251	Carbon tissue	.22	Sensitization by other means
.252	Papers with special sensitivity, e.g. to heat or pressure	.23	Sensitization for specific spectral regions
.26	Negative papers	.231	Sensitization without special colour sensitivity. Blue sensitization
.261	Eastman paper negatives (c. 1884–1895)	.232	Orthochromatic sensitization (extending to yellow)
.27	Special papers (recording papers etc.)	.233	Panchromatic sensitization (extending to red)
.28	Developer-incorporated papers	.237	Special ultra-violet sensitization
.3	Films	.238	Infra-red sensitization
.31	Film in roll form	.24	Supersensitization
.311	Gelatin on paper film, e.g. Eastman American film		<i>For hypersensitization → 771.534.14</i>
.32	Film in sheet form (including film packs)	.25	Filter factors
.33	Film in disc form	.26	Control of spectral sensitivity by screening dyes
.35	Cine film		→ 77.021.56 Light-filter coatings
.351	Standard gauge film. 35 mm film	.3	Desensitization
.1	Picture negative film		→ 77.021.134 Desensitizers
.2	Sound negative film		77.023.386 Desensitization
.3	Duplicating film. Intermediate film	.32	Desensitization by dyes
.4	Positive film	.33	Desensitization by other means
.5	Reversal film	.5	Measurement of sensitivity. Sensitometry
.352	Narrow gauge film. 8 mm film. 9.5 mm film. 16 mm film	.51	Systems of sensitometry.
	771.531.352 ≅ 771.531.351		<i>Specific systems may be denoted by alphabetic extension (Table 1h), e.g. ASA</i>
.353	Wide gauge film. 70 mm film	.52	Sensitometers. Black-and-white sensitometers. Colour sensitometers
	771.531.353 ≅ 771.531.351	.521	Kind of sensitometer exposure
.37	Special films	.1	Intermittent exposure
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.2	Continuous exposure
	771.531.37:778.33 X-ray film	.3	Exposure according to time
	:778.35 Aero film	.4	Exposure according to scale of intensity
.38	Developer-incorporated film	.522	Sensitometric filters. Neutral wedges. Colour wedges
.4	Coatings on flexible metal sheet	.527	Tonal rendering and its sensitometric value. Assessment of tonal rendering of black-and-white and coloured subjects on black-and-white materials using colour charts
	<i>Specific metals may be denoted by colon combination with the subdivisions of 669</i>		<i>For colour fidelity → 778.681</i>
.5	Uncoated emulsions	.528	Measurement of spectral sensitivity
.533	Properties of undeveloped light-sensitive preparations after exposure	.529	Other sensitometric matters
.3	Physical properties	.53	Density law. Characteristic curves
	<i>Further particulars may be denoted by colon combination with the subdivisions of 53</i>	.531	Photographic density. Densitometry. Densitometers
.32	Light scatter	.5	Transmission densitometers
.34	Grain size	.51	Microdensitometers
.4	Chemical properties	.52	Densitometers
.534	Sensitivity		<i>Combined types may be denoted using apostrophe combination with the terminal digits of other subdivisions of 771.534.531, e.g.</i>
	<i>For optical aspects → 535, especially 535.217</i>		771.534.531.522'527 Photoelectric black-and-white densitometers
	<i>For actinometry → 541.141.9</i>	.522	Black-and-white densitometers
.1	General sensitivity. Increasing sensitivity by various means, e.g. chemical means	.523	Colour densitometers
.11	Natural sensitivity	.525	Visual densitometers
.13	Sensitization. Increasing sensitivity by various means, especially digestion and chemical sensitization	.527	Photoelectric densitometers
	<i>Specific chemicals may be denoted by colon combination with the subdivisions of 54, e.g.</i>		
	771.534.13:546.593 Gold sensitization		
.14	Hypersensitization (of coated products)		