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Scope and Content of the Collection

The Kraemer collection contains materials from a set of three binders titled "Index to Enemy Equipment Handbook," compiled by the Office of the Chief Engineer, European theater of Operations during World War II. The binders collect short essays, drawings, and photographs of military equipment from Germany, Italy, and lesser European Axis forces.

Arrangement

Series One: Handbook on Enemy Engineer Equipment

Materials from a set of three binders titled "Index to Enemy Equipment Handbook," compiled by the Office of the Chief Engineer, European theater of Operations during World War II. The binders collect short essays, drawings, and photographs of military equipment from Germany, Italy, and lesser European Axis forces. Items in folders are arranged in the order they were placed in the binders.

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Key Subjects

This collection is indexed under the following headings in the Library's online catalog. Researchers interested in materials about related topics, persons, or places should search the catalog using these subject headings.

Names

Kraemer, John

Subjects

Vehicles, Military -- Germany -- History -- 1940-1945.
World War, 1939-1945 -- Equipment and supplies.

Container List

Box	Folder	Item ID #	Title	Dates
1	1		Index, binder 1	
		800056001	Index to enemy equipment handbook	
		800056002	Outline for report on captured enemy equipment	
		800056003	Outline for report on captured enemy vehicles	

Antitank mines

800056004	Index, antitank mines	
800056005	Antivehicle mine employing tripwire operated panzerfaust	23-Jan-45
800056006	Belgian anti-tank mine, type H. A.	15-Dec-44
800056007	Belgian anti-tank mine, type B.S.B.	14-Dec-44
800056008	Belgian antitank "bottle mine" and igniter 800 B	
800056009	Wooden box mine 42 (Holzmine 42)	
800056010	Wooden box mine V.B (V. B. Mi I)	
800056011	Tellermine 43 (mushroom) (T. Mi. 43 (Pilz))	
800056012	Tellermine 42 (T. Mi. 42)	
800056013	Tellermine 35 (steel) (T. Mi. 35 (stahl))	
800056014	Tellermine 35 (T. Mi. 35)	
800056015	Tellermine tools and Accessories	
800056016	German training tellermine 1935 (Ub.T.Mi.35)	
800056017	Tellermine, miscellaneous	
800056018	Nomenclature of mines and igniters	
800056019	Improvised aluminum mine	
800056020	Heavy antitank mine	
800056021	C.V.P. antitank and antipersonnel mine	
800056022	T5 antitank mine	
800056023	Antitank mine (L. Pz.) Leichte Panzermine	
800056024	French light antitank mine	
800056025	Dutch antitank mine	
800056026	Dutch antitank and antipersonnel mine type II (P.W.2-41)	

800056027	Belgian antitank mine, type H	
800056028	Belgian antitank mine, type B.S.B.	
800056029	Polish antitank mine	
800056030	Yugoslav antitank mine	
800056031	Italian antitank mine, type N	
800056032	Italian antitank mine, type D	
800056033	German Antitank R-mine 43 Riegel mine 43 (R-Mi. 43) Sprengriegel 43 (Spr.R. 43) (2 copies)	
800056034	French heavy antitank mine 420 (f) (2 copies)	
800056035	Tellermine tanktraps: pivoting mine board and mine sledge (2 copies)	
800056036	Italian four-igniter mine, type 1 (2 copies)	
800056037	Italian antitank mine V-3 old designation N.5 (2 copies)	
800056038	Italian antitank mine Type 9 (2 copies)	
800056039	Italian antitank mine 9 lbs. (2 copies)	
800056040	Italian antitank mine B-2 (2 copies)	
800056041	Italian antitank mine B-2, hinged lid type (2 copies)	
800056042	Italian antitank mine B-2, type S.C.G. (2 copies)	
800056043	German antitank schnell mine types A and B German designation Panzer Schnellmine A & B	16-Oct-44
800056044	Reported German non-metallic antitank "pappmine"	27-Sep-44
800056045	German antitank mine spreng riegel 8 kg (17.6 lbs)	6-Aug-44
800056046	German antitank topf mine "A" and topf mine	2-Nov-44

igniter

800056047	Russian AT-AP mine PMS 40	5-Jan-45
800056048	Russian antitank mine T-IV	30-Nov-44
800056049	Russian antitank mine 38	31-Oct-44
800056050	Dutch antitank mine type unknown	18-Nov-44
800056051	Dutch AT-AP mine no. 2 with igniter no. 44 N.M.	12-Nov-44
800056052	Belgian antitank mine type unknown	31-Oct-44
800056053	Italian Bakelite antitank mines types I and II	24-Oct-44

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Antipersonnel mines

800056054	Index, antipersonnel mines	
800056055	S-mine 44	16-Mar-45
800056056	Schü - mine 42 (Schützemine 42)	
800056057	Wooden antipersonnel mine 43 (n)	
800056058	"Stock" mine	
800056059	Spherical concrete mine	
800056060	Treadmine (tretmine)	
800056061	Concealed stick mine (B-stabmine)	
800056062	3 lbs. Hungarian ramp mine	
800056063	French 75mm shell mine	
800056064	Shell mine	
800056065	Improvised shell mines	
800056066	Italian antipersonnel pressure mine (bakelite)	
800056067	Italian picket mine	
800056068	Italian antipersonnel mine B4	
800056069	Italian antipersonnel V 5	

800056070	Italian improvised plastic mine	
800056071	Italian improvised antipersonnel grenade mine	
800056072	Italian pressure mine with grenade exploder	
800056073	Italian antipersonnel bomb 4 A.R. (thermos)	
800056074	Italian trip-mine 2	
800056075	Italian antipersonnel trip mine, type 9	
800056076	Italian antipersonnel pressure mine , type 9	
800056077	Italian electrical mine, type 2	
800056078	Italian metal tube mine	
800056079	Italian road and field mine	
800056080	Italian antipersonnel 2 kg (4.4 lbs.) pressure mine	
800056081	German antipersonnel glass mine 43	22-Jul-44
800056082	German antipersonnel mine A-200 (partial second copy)	24-Jul-44
800056083	German "mustard pot" antipersonnel mine	6-Jul-44
800056084	German wooden antipersonnel mine	17-Jul-44
800056085	French antipersonnel mine, 60 mm, model 1939	20-Jul-44
800056086	German S mine booby trapped with anti-lifting device	
800056087	German antipersonnel glass mine 43	
800056088	German antipersonnel mine E-5	31-Oct-44
800056089	German antipersonnel mine W-1	31-Oct-44
800056090	German S-mine 44 and S-mine igniter 44	24-Oct-44
800056091	Russian antipersonnel mines, PMK 40	7-Dec-44

4**Miscellaneous mines**

800056092	Index, mines, miscellaneous	
800056093	German improvised drifting mine	17-Jan-45
800056094	German ice mine	18-Oct-44
800056095	Improvised drifting mine	
800056096	Land mine operated by photo-electric cell	
800056097	German mine containers	
800056098	Electric railway mine, German	
800056099	Railway mine, old pattern	
800056100	German drifting mine, type GL	
800056101	Improvised beach mine employing captured shells (2 copies)	17-Jul-44
800056102	Italian ratchet mine (2 copies)	
800056103	Tellermine float beach obstacle (2 copies)	17-Jul-44
800056104	German drifting river mine type GLP	7-Dec-44
800056105	New type German tilt igniter	6-Jan-45

5**Igniters**

800056106	Index, igniters	
800056107	French push and pull igniter	13-Jan-45
800056108	German S-mine igniter 44	10-Mar-45
800056109	Friction igniter Zdschn Anz. 39 (Zündschnuranzünder 39)	
800056110	Friction igniter Zdschn Anz. 29 (Zündschnuranzünder 29)	
800056111	Friction igniter with delay pellet BZE (Brennzünder Ei)	
800056112	Friction igniters with delay pellets BZ. 24 and Nb. BZ. 38 (Brennzünder 24 and	

- Nebelbrennzünder 38)
- 800056113 Pull igniter Z. Z. 42 (Zugzünder 42)
 - 800056114 Pressure igniter D.Z. 35 type A (Druckzünder 35)
 - 800056115 Pressure igniter D.Z. 35 type B (Druckzünder 35)
 - 800056116 Pull igniter Z. Z. 35 (Zugzünder 35)
 - 800056117 Pull igniter Z. Z. 35 (new type)
 - 800056118 Pressure igniter S. Mi. Z. 35 (S - minenzünder 35)
 - 800056119 Electric igniter for S-mine Ei. S.- Mi. Z. 40 (electrische S-minzünder 40)
 - 800056120 Pull and tension wire igniter Z. u. Z. Z. 35 (Zug- und Zerschneidzünder 35)
 - 800056121 Modified Z. u. Z. Z. 35 igniter
 - 800056122 Tellermine igniter T. Mi. Z. 42 assembly (Tellerminenzünder 42)
 - 800056123 Tellermine igniter T. Mi. Z. 35 (Tellerminenzünder 35)
 - 800056124 Clockwork long delay igniter (J-feder 504)
 - 800056125 Push-pull igniter Z.D.z 29 (Zug-und Druckzünder 29)
 - 800056126 Hungarian variable pressure igniter C.V.P. I
 - 800056127 Norwegian pull igniter
 - 800056128 Norwegian push igniter
 - 800056129 Weissmann pull and impact igniter
 - 800056130 PX 32 push and impact igniter
 - 800056131 Push igniter 1942 pattern model Reinhard
 - 800056132 German incendiary and delayed action firing device

800056133	Italian safety fuse igniter	
800056134	Italian friction igniters miccia da 40	
800056135	Italian percussion igniter fitted to four igniter mine 14.25 lbs.	
800056136	Italian acetone time delay igniter	
800056137	Special chemical delay igniter, Italian	
800056138	Italian time delay igniter, lead	
800056139	Igniter used in mine 9 lb.	
800056140	Tellermine igniter 43 (2 copies)	22-Jul-44
800056141	German tilt igniter Ki. Z. 43 (2 copies)	4-Jul-44
800056142	French pull igniter ZZ 501 (f) (2 copies)	20-Jul-44
800056143	French rupture igniter "Ollivier" (2 copies)	
800056144	German pressure release device E.Z. 44	5-Oct-44
800056145	German lever igniter	22-Sep-44
800056146	German lever type pressure igniter	28-Feb-45
800056147	Tellermine igniter 43 (T. Mi. Z. 43)	28-Sep-44
800056148	German rupture igniter 43/I (2 copies)	17-Oct-44
800056149	German antitank mine igniter 530 (e)	7-Oct-44
800056150	German pull igniter west	2-Nov-44
800056151	Chemical mechanical time igniter 41	15-Dec-44

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800056152	index, booby traps	
800056153	German S-mine booby trapped with improvised anti listing device	
800056154	Antivehicle mine employing tripwire operated panzerfaust	23-Jan-45
800056155	Booby - traps	

800056156 Fence pole booby trap

800056157 Egg grenades

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Mine detectors

800056158 Index, mine detectors

800056159 German mine detector wies baden

800056160 German mine detector frankfurt 42

800056161 German mine detector tempelhof 41

800056162 German mine detector "pram"

800056163 Mine detector rod M.S. 39 (Minensuchstab
(Sucheisen n.A.) 39)

800056164 Italian mine detector 16-Feb-44

800056165 Glossary of German-English words
commonly found in mine detector equipment

800056166 Reported German frequency induction igniter 28-Sep-44

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Minefields. laying, marking and detecting

800056167 Index, minefields. laying, marking and
detecting

800056168 German mine detector Berlin 40 type B 22-Jan-45

800056169 Recent trends in German minefield laying
technique 10-May-45

800056170 Templates for laying S-mines (S-"Minenlehre
of "Dreick-Lehre" 1-Mar-44

800056171 Method of laying S-mines and wooden box
mines 42 1-Feb-44

800056172 Minefields 1-Apr-43

800056173 Layout of minefields prior to May 42

800056174 Method of laying tellermines 1-Feb-44

800056175	Minefields	1-May-43
800056176	Reports of mining operations	1-Jan-44
800056177	Mining and obstruction of airfields	1-Apr-43
800056178	Minefields, simultaneous firing	
800056179	Laying and marking of German minefields	1-Aug-43
800056180	German methods of marking minefields	
800056181	German doctrine in mine clearance	1-Dec-43
800056182	Mine laying device Mine-Spacing wire (Minen-messdrart) (2 copies)	17-Jul-44
800056183	Tellermine anti-lifting assembly (2 copies)	
800056184	German minefields in Normandy	24-Jul-44

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800056186	Detonator no. 8 (Sprengkapsel No. 8)	
800056187	Safety fuze (Zeitzündschnur)	
800056188	Electric detonators (Glühzünder)	
800056189	Instantaneous fuse (Knallzündschnur)	
800056190	Borehole 28 100 gm. cartridge (Bohrpatrone 28)	
800056191	Prepared charge 200 gm. Slab (Sprengkörper 28)	
800056192	Prepared charge 1 kg. Slab (Sprengbüchse 24)	
800056193	Prepared charge 3 kg. Slab (Geballte Ladung, 3kg)	
800056194	Ball charge, 3kg	
800056195	Hollow demolition charge 300gm	
800056196	Hollow demolition charge 400gm	

- (Hohlladung)
- 800056197 Magnetic antitank hollow charge 500gm
(Haft Hohlladung 500gm)
 - 800056198 Hollow charge 12.5kg (Hohlladung 12.5kg)
 - 800056199 Hollow charge 13.5kg (Hohlladung 13.5kg)
 - 800056200 Hollow charge 50kg (Hohlladung 50kg)
 - 800056201 German "bell" demolition charges
 - 800056202 Dropping container for 50kg hollow charge
(Abwurfkiste)
 - 800056203 Hollow ring charges (Hohlringladung)
 - 800056204 Pole charge (Stangenladung)
 - 800056205 Grenade charge (Geballte ladung)
 - 800056206 Bangalore torpedo 3kg (Rohrladung stahl
3kg)
 - 800056207 Bangalore torpedo (Gestreckte ladung)
 - 800056208 Demolition cartridges type Z (sprengpatrone
Z)
 - 800056209 Adhesive paste (Kaltklebekitt)
 - 800056210 Anti-magnetic plates on A.F.Vs.
 - 800056211 Camoflet equipment (Minenkammer
Sprenggerät)
 - 800056212 French demolition stores
 - 800056213 German railway destruction truck
 - 800056214 Italian instantaneous fuse
 - 800056215 Italian demolition kits
 - 800056216 Italian naval initiation charge with clockwork
delay
 - 800056217 German bangalore torpedo, trials showing
effect on wire obstacles and mines

800056218 German 3kg magnetic charge 30-Nov-44
800056219 German 22 lbs. demolition charge (Geballte ladung 10 kg)

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800056220 index, field exploders and accessories
800056221 Field exploder, 1941 model
800056222 Small exploder 1940 (Glühzündapparat 40)
800056223 Field exploder 1939 (Glühzündapparat 39)
800056224 Field exploder 1937 (Glühzündapparat 37)
800056225 Field exploders (Glühzündapparat)
800056226 Portable demolition kit 1940 (Zündgerät 40, Tragbar)
800056227 Continuity tester (Leitungsprüfer 26)
800056228 Test resistance and neon lamps (Verschaltwiderstnad Prüfgerät)
800056229 Electric cable (Leitung)

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800056230 Index, explosives
800056231 German explosives
800056232 Properties of German explosives
800056233 Fillings of mines and demolition charges
800056234 explosives
800056235 Labeling of German explosives
800056236 Labeling of bulk explosives and ammunition 20-Mar-44
800056237 Italian plastic explosives

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800056238	Index, demolition technique	
800056239	Demolition of ports and towns	1-Feb-44
800056240	Abatis	
800056241	German demolition of vehicles	26-Feb-44
800056242	Demolition of artillery and small arms	
800056243	Demolition charge for 2cm flak 30 and 38	

13**Grenades and grenade launchers**

800056244	Index, grenades and grenade launchers	
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800056246	Hollow charge antitank grenade P. W. Mi. (L) (Panzerwurfmine)	
800056247	Egg-type hand grenade, model 39 (Eierhandgranate 39)	
800056248	Stick grenade model 39	
800056249	German improvised stick grenade	
800056250	Stick grenade model 24	
800056251	Propaganda rifle grenade (Gewehr propagandagranate)	
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800056253	Rifle discharger and ammunition	
800056254	Italian hand grenades	
800056255	Italian hand grenade S.R.C.M. mod 35	
800056256	Italian "L" type antitank hand grenade	
800056257	Italian grenade O.T.O. mod 35	

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800056258	Long delay charges	12-Apr-45
800056259	German hollow bounding mine	23-May-45
800056260	German heavy antitank mine	7-May-45
800056261	Antitank antipersonnel sperrmine	5-May-45
800056262	German bakelite pressure release device	
800056263	German ointment box mine	30-Apr-45
800056264	German all-explosive pressure release device	14-Apr-44
800056265	German chemical-mechanical time igniter "C.M.Z. 41.W"	19-Apr-45
800056266	Antivehicle mine employing tripwire operated panzerfaust	23-Jan-45
800056267	German mine detector wien 41	

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800056268	Introduction to Handbook on enemy engineer equipment part two	8-Jun-44
800056269	Index to enemy equipment handbook	

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800056272	Barbed wire	
800056273	Standard types of iron pickets	
800056274	Apron fences	
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800056276	Alarm wire	
800056277	Snares (Drahtschlingen)	

800056278	Wire netting (Maschendrahtzaun)	
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800056280	Knife rests	
800056281	Wire in coastal areas	
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800056284	Concrete antitank obstacles	
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800056286	Pillboxes in walls	
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800056289	Obstacle guarding bridge exits	
800056290	"Chicanes"	
800056291	De Cointet antitank obstacles (Belgian) (Panzer KF Wagensperre 492 (F))	
800056292	Railroad wheel antitank obstacle	
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800056294	Tetrahedra	
800056295	Hedgehogs (Bildhoft Neuzeitlicher Stellungsban)	15-Sep-42
800056296	Curved rail	
800056297	German concrete antitank obstacles	
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800056299	Crowsfeet	
800056300	Beach obstacles using captured mines	17-Jul-44
800056301	Reinforced concrete hedgehog beach obstacle	17-Jul-44

800056302 German anti-air landing obstacles

17-Jul-44

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800056303 Index, field fortifications

800056304 Fortifications German engineer practice

800056305 German west wall 1939

800056306 Infantry fieldworks

800056307 Cupolas and turrets

800056308 Tank turrets

800056309 Precast concrete loopholes for field fortifications

800056310 Tunnels

800056311 Magazine, type 1a

800056312 Magazine, type 2a

800056313 Cable junction chambers types 140 and 250

800056314 Mobile steel pillbox

800056315 Elevated emplacements

800056316 Underground pillboxes (Tobruk)

800056317 Underground pillboxes

800056318 Machinegun Pillboxes (Pillstand)

800056319 Brickwork machine gun emplacement

800056320 Machine gun Emplacement

800056321 Tank emplacement

800056322 "Ringstand"

800056323 Light concrete defense post

800056324 Twin emplacements

800056325 Pillbox, type 626

800056326 Emplacement for light A. A. gun or mortar
800056327 Emplacement type 61A
800056328 Emplacement type for 2 cm flack
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800056332 Heavy German gun emplacement
800056333 Reinforced concrete emplacement
800056334 Pillbox, type VF-3
800056335 Pillbox, type UW-5
800056336 Machine gun pillbox, type U-7
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800056338 Emplacement over shelter, type 66
800056339 Pillboxes, types 194 & 195
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800056342 Machine gun pillbox, type 624
800056343 Leitstand
800056344 Artillery observation and command post
800056345 Coast battery command post
800056346 Observation post with shelter, type 143
800056347 Heavy A. A. battery command post, type L-406
800056348 Observation post with shelter, type 637
800056349 Special shelter at St. Nazaire
800056350 Underground shelter with steel cupola
800056351 German concrete shelter

- 800056352 Shelter, personnel & equipment, type 12 men
- 800056353 Headquarters shelter, type SK 1
- 800056354 Details for shelters, types UF 3, 4, 5, and 14
- 800056355 Shelter, type 117
- 800056356 Shelter, type L-405
- 800056357 Shelter, type L-407
- 800056358 Shelter, type 446
- 800056359 Shelter, type 501
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- 800056364 Shelter, type 621
- 800056365 Shelter, type 622 (double compartment)
- 800056366 Shelter, type 628
- 800056367 Shelter, type 629
- 800056368 Concrete for field fortifications, German specifications 9/27/1944
- 800056369 German alarm flare 9/27/1944

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Bridging, general and equipage up to 10 tons

- 800056370 Index, bridging, general and equipage up to 10 tons
- 800056371 Floating bridges
- 800056372 Capacity of bridging column B. (motorized or horse drawn)
- 800056373 Data required for LZ bridge building

- 800056374 German bridging equipment
- 800056375 Condensed tables German floating bridges and ferrying equipment
- 800056376 Trackways (Ubergangsheine)
- 800056377 Boats and light assault bridges, general
- 800056378 Pnumatic boat assault bridge, 1939 pettern (Flossackschnellsteg 39)
- 800056379 Three types of improvised assault bridges built on small pnumatic boats
- 800056380 Class 8 pnumatic boat bridge
- 800056381 Assault bridges on large pnumatic boats 1-Feb-44
- 800056382 Light assault bridge for motorcycles (Krandschützensteg)
- 800056383 Light assault bridge for motorcycles, reinforced
- 800056384 Folding single span footbridge (Zusammenlegbarer Uferschellsteg mit Mittelversteifung)
- 800056385 "A" equipment (Brüchengerät "A")
- 800056386 Bridging column "C" (Brückenkolonne "C")
- 800056387 "D" equipment (Brüchengerät "D")
- 800056388 Light tracked timber bridge (Leichte Spürtafelbrücke)
- 800056389 "Birago" equipment (Brüchengerät)
- 800056390 M 36 (Do) equipment

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- 800056391 Index, bridging equipage 10 tons and over
- 800056392 Fixed bridges, small box girder (Brückengerat K)

- 800056393 Bridging column K (Brückenkolonne K)
- 800056394 German 24-ton heavy tracked bridge (Schwere Spurtafelbrücke (24-T))
- 800056395 22 ton portable track bridge (Unger)
- 800056396 Heavy pontoon bridge (Schwere Spurtafelbrücke, or S-brücke)
- 800056397 Bridging column "T" (Brückenkolonne "T")
- 800056398 German "B" pontoon and trestle equipment (Brückengerat B)
- 800056399 Reinforcing German "B" pontoon and trestle equipment (Verstärktes Brückengerat B)
- 800056400 LZ bridge (Leichte Z Brücke)
- 800056401 LZ bridge, description of components
- 800056402 Glossary of LZ bridging terms
- 800056403 LZ bridge, loading, storage and maintenance
- 800056404 Components of LZ bridge unit, with weights
- 800056405 LZ bridge loading table for 3 ton trucks and 15 ton railway cars
- 800056406 German LZ bridge bottom tensioning
- 800056407 French bridging column "FCM" (Brückenkolonne FCM)
- 800056408 French F.C.M. Bridging equipment
- 800056409 French pontoon & Trestle equipment, 1935 pattern

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- 800056410 Index, assault boats, motor boats and ferries
- 800056411 Boats and light assault bridges, introduction
- 800056412 Small pneumatic boat, 1934 pattern (Kleiner Flossack 34)

- 800056413 Large pneumatic boat, 1934 pattern (Grosser Flossack 34)
- 800056414 Pneumatic boat rafts, 2, 4, and 8 tons
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- 800056416 Transport of pneumatic boats
- 800056417 Light storm boat, 1939 (Pionier Sturmboot 39 Leicht)
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- 800056419 Motor Boat
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- 800056423 Assault landing craft (LCA)
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- 800056428 60 ton raft ferry constructed with bridging equipment "B"

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- 800056434 Smoke hand grenade 39
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800056493 Diesel pile driver 450 kg (980 lb.)
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