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GERMAN-ENGLISH GLOSSARY FOR CIVIL ENGINEERING

BY

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GERMAN-ENGLISH GLOSSARY FOR CIVIL ENGINEERING

1. *Introduction.*—The engineer reading foreign literature in his field often has difficulty in determining the English meaning of unfamiliar technical terms. This glossary is intended to assist him in consulting German civil engineering publications.

In order to reflect present usage in German practice the words were compiled from several representative modern German works in each of the subdivisions of civil engineering and from current technical periodicals. The English meanings are those which would be employed in American practice.

2. *Acknowledgment.*—This study has been made as a part of the work of the Engineering Experiment Station of the University of Illinois, of which DEAN M. L. ENGER is the director, and of the Department of Civil Engineering, of which PROFESSOR W. C. HUNTINGTON is the head.*

3. *Remarks.*—In German the monophthongs ä, ö, ü and the diphthong äu may also be printed as ae, oe, ue and aeu. The latter manner of representation is much less common. The position of words in the glossary has been determined by considering ä, ö, ü and äu just as though they were a, o, u and au, and not as ae, oe, ue and aeu.

The possibilities offered in the German language to form new words or slightly change the meaning of accepted words by means of word combinations would permit a word list to be extended to almost any length. The meaning of a compound word which is not listed may often be determined by separating it into its various parts and obtaining the meaning of these parts. In combining several German words to form one compound word the complete spelling of each word is retained except that no letter may be repeated more than twice in direct sequence. For example, Schluss + Stein = Schlusstein and not Schlussstein.

All nouns begin with capital letters and have their gender indicated by "m", "f", or "n" (for masculine, feminine or neuter gender). Verbs are indicated by "v"; adjectives by "adj."; adverbs by "adv."; and prepositions by "prep."

A brief summary of American equivalents for metric units is given at the end of the glossary.†

*Appreciation is expressed to Dr. M. Suter, Dr. C. A. Williams, and to all others who have made helpful criticisms and suggestions.

†Suggestions or additions which would make the glossary more useful will be appreciated by the author.

4. *German-English Glossary.*—

Abbildung, f—figure; illustration
abbinden, v—to untie; to set (cement)
Abbinden, n—setting (of cement); untying
Abbruch, m—breaking off; wrecking; demolition
Abdichtung, f—rendering impervious; waterproofing
Abdrehen, n—turning off; turning (in lathe)
Abbessinierbrunnen, m—well with perforated pipe casing
Abfangsystem, n—intercepting system
Abfangung, f—underpinning
Abfassen, n—bending; beveling; catching
abfliessen, v—to flow off
Abfluss, m—discharge; runoff
Abflusshöhe, f—discharge depth (or head)
Abfuhr, f—hauling away; removal
Abfuhrziffer, f—discharge coefficient
Abgabe, f—expense; royalty
abgestumpft, adj.—dulled; truncated; blunted
Abhängigkeit, f—dependency
Ablagerung, f—deposition
Abmessung, f—dimension
Abminderung, f—reduction
Abnutzbarkeit, f—wearing quality
abrammen, v—to ram; to tamp
Abrichtmaschine, f—planing machine
Abrieb, m—wear; scour; abrasion
Absatz, m—deposit; sediment; ledge; stair landing
Abscheren, n—shearing
Abschlagzahlung, f—part-payment; payment in installments
abschleifen, v—to grind (down); to mill; to finish; to tear down (old buildings)
Abschliff, m—wear; scour
abschrecken, v—to quench (hot metal)
absenken, v—to sink; to drop
Absenkung, f—settlement
absetzen, v—to deposit
Abstand, m—distance; spacing; interval
Abstieg, m—descent; lowering
Abtrag, m—deduction; cut (in earthwork)
abtragen, v—to carry away; to wreck; to raze
Abstufung, f—gradation
Absturzbauwerk, n—drop structure (hydraulics)
abwalzen, v—to compact with roller
Abwasser, n—waste water; sewage
Abzweigung, f—branch
Achse, f—axis; axle
Achsenkreuz, n—origin; intersection of axes
achsensymmetrisch, adj.—symmetrical about an axis
Aehnlichkeit, f—similarity; similitude
Ahornholz, n—maple-wood
Akkumulator, m—storage battery
Aktiengesellschaft, f—stock-company
Alhidade, f—alidade; upper plate of transit
Amboss, m—anvil
Anbau, m—annex; addition to structure
anbohren, v—to drill; to bore
Anbohrapparat, m—boring rig; drilling device
Angebot, n—offer; bid; supply
Angriffspunkt, m—point of application (of attack)
Anker, m—anchor
Ankerschraube, f—anchor screw (bolt)
Anlage, f—plant; layout; establishment
Anlauf, m—slope; incline; start of run
anmachen, v—to attach; to prepare; to mix
Anmerkung, f—annotation
Ansatz, m—mouthpiece; orifice-piece; start; deposit
Anschlag, m—blow; estimate
Anschluss, m—junction; connection
Ansicht, f—view; elevation
Anstauchung, f—upsetting (end of bar)
Anstreicher, m—painter
Anstrich, m—coating; finish; covering

Anstrengung, f—stress; effort

Antrieb, m—impulse; motive power

Anzug, m—approach; taper; incline

Apparat, m—apparatus; equipment; instrument; device

Ar, n—metric unit of area equal to 100 square meters

Arbeit, f—work; energy

Arbeiter, m—workman; laborer

Arbeitsfuge, f—construction joint

Arbeitsvermögen, n—capacity for performing work

Arm, m—arm; spoke (of wheel)

Armierung, f—reinforcement

Asphaltkitt, m—asphalt-putty

Ast, m—branch; knot (in timber)

At.—See "Atmosphäre"

Atmosphäre, f—atmosphere; atmospheric pressure

auf, prep.—on; upon; in; toward

Aufbereitung, f—preparation

Aufbeton, m—concrete (slab) topping

aufbiegen, v—to bend up

Aufgabe, f—problem; task; resignation

Auflager, n—support; abutment

Auflagerkraft, f—reaction (on support)

Auflast, f—surcharge (load)

auflockern, v—to loosen

Aufpreis, m—price-extra (added to base price)

aufpropfen, v—to graft; to splice

aufreiben, v—to ream; to destroy

aufreissen, v—to tear open; to rip; to take up

Aufreisshammer, m—(pneumatic) hammer for wrecking; "pavement breaker"

Aufriss, m—elevation; sketch

Aufschluss, m—information; indication

Auftauung, f—thawing

Auftrag, m—contract; fill (in earthwork)

Auftraggeber, m—employer; one who has work done by contract

Auftragnehmer, m—contractor

Auftrieb, m—buoyancy; uplift

Auftritt, m—tread; tread width (of stairs)

Aufzug, m—hoist; elevator

Ausbeulung, f—buckling (of plates)

Ausbildung, f—shaping; training; education

Ausbreiteprobe, f—flow test

ausdehnen, v—to stretch

ausfliessen, v—to flow out

Ausfluss, m—discharge

Ausführung, f—execution; construction

Ausgleichung, f—balancing; adjusting (by method of least squares)

Aushub, m—excavated material; excavation

auskleiden, v—to cover; to line; to pave

Ausklinkung, f—coping or blocking (of steel beams)

Auskragung, f—bracket; projection; cantilever

ausladen, v—to unload; to project

Ausladung, f—unloading; projection

Auslaufbauwerk, n—outlet structure

Ausleger, m—cantilever

Ausrollgrenze, f—plastic limit (Atterberg)

Ausschachtung, f—excavation

ausschalen, v—to remove forms

ausschliesslich, prep—with exception of

Ausschreibung, f—advertising (for bids)

Ausschubdruck, m—squeezing-out pressure

Ausschuss, m—committee; board; rejection; waste

Aussenhautdichtung, f—membrane waterproofing

aussermittig, adv.—eccentrically

aussteifen, v—to stiffen; to brace

Aussteifung, f—reinforcing; stiffening; stiffener (on web of plate girder)

auswerten, v—to evaluate; to interpret

Autobahn, f—(main) automobile highway

Axt, f—ax

Azetylene-Sauerstoffschweissung, f—oxy-acetylene welding

Bach, m—brook; creek
Backstein, m—brick
Bagger, m—dredge; excavating machine
baggern, v—to dredge
Bahn, f—road; course; path
Balken, m—beam
Balkenprobe, f—beam test
Balkon, m—balcony
Band, n—band; tape
Band, m—volume (book)
Bandeisen, n—steel flat (strip of small rectangular section)
Bankett, n—side slope
Bärenfalle, f—bear trap
Basis, f—base; base line; basis
Bau, m—structure; construction
bauen, v—to build; to construct
Baubehörde, f—(public) building authorities
Bauführer, m—construction superintendent
Baugewerkschule, f—technical school below university grade in which construction practice rather than theory is taught
Baugrube, f—excavation (for structure)
Baugrund, m—foundation soil
Bauherr, m—owner (of project under construction)
Bauingenieur, m—civil engineer
Baukontrolle, f—job control; inspection
Baukunst, f—art of construction; architecture
Bauleiter, m—construction superintendent
Baulinie, f—building line
Baumast, m—derrick pole; branch of tree
Bauplatz, m—construction site
Baupolizei, f—(public) building authorities
Bauprogramm, n—building program; construction schedule
Baustelle, f—construction site
Baustoff, m—construction material
Bauunternehmer, m—building (general) contractor
Bauwerk, n—structure
Bauwesen, n—construction engineering (or industry)
Beamter, m—(public) official
Beanspruchung, f—stress; demand
Becher, m—cup; bucket
Becken, n—basin; pool; pond
Bedarf, m—need; requirement
Bedienungssteg, m—service walkway
Befehlsraum, m—control room
Befestigung, f—anchorage; attachment; protection; reinforcement; revetment; fortification
Befestigungswinkel, m—connection angle
Behälter, m—tank; container
bei, prep.—in the case of; at; near; with
Beil, n—hatchet
Beilage, f—supplement; appendix
Beimischung, f—admixture
Beispiel, n—example
Beisszange, f—pincers; pliers
Beitragsfläche, f—contributing (drainage) area
Beiwert, m—coefficient; factor
Bekrönungsdreieck, n—triangular section added to top of triangular dam to provide a horizontal crest
Belag, m—paving; covering
belasten, v—to load
Belastung, f—loading
Belastungsziffer, f—load factor
belebter Schlamm, m—activated sludge
Beleuchtung, f—illumination
Belüftung, f—ventilation; aeration
Bemessung, f—dimension; determination of size
benetzen, v—to wet; to sprinkle
benutzen, v—to use
Benzin, n—gasoline
Beobachtung, f—observation
berasen, v—to sod
berechnen, v—to compute
Berechnung, f—computation; calculation
Berechnungshochwasser, n—computed high water
Beregnung, f—sprinkling
Bergakademie, f—school of mines (of university grade)
Bergbau, m—mining
Bergmann, m—miner
Bergrecht, n—mining law

Bergsturz, m—land slide
Bergwerk, n—mine
berieseln, v—to sprinkle; to spray; (to irrigate)
Berme, f—berm
besämen, v—to seed
Beschaffenheit, f—composition; state; condition
beschleunigen, v—to accelerate
Beschleunigung, f—acceleration
besichtigen, v—to view; to inspect
Bestandteil, m—component; ingredient
bestimmen, v—to specify; to determine
Bestimmung, f—determination; purpose
Bestimmungen, f (pl.)—specifications; code; ordinance
Beton, m—concrete
betonieren, v—to concrete
Betonkipper, m—concrete buggy
Betonstein, m—concrete block; artificial stone
Betriebszeit, f—operation period
Bett, n—bed; base
Bettungsziffer, f—ratio of soil pressure to settlement
Bewässerung, f—irrigation
Bewegungsgrösse, f—momentum; (amount of movement)
Beweis, m—proof
Bewertung, f—evaluation
bewehren, v—to reinforce; to strengthen
Bewehrung, f—reinforcement
Bezeichnung, f—designation; mark
Bezugsachse, f—reference axis
bezw., adv.—see bzw.
biegen, v—to bend
Biegung, f—bending; flexure
biegungsfest, adj.—moment resisting
Bimsstein, m—pumice stone
Bindemittel, n—cementing agent
bindig, adj.—cohesive
Binder, m—frame; bent; truss; header (brick)
Bindezeit, f—time of set
Birkenholz, n—birch-wood
Blech, n—sheet metal; plate
Blechbalken, m—plate girder
Blechträger, m—plate girder
Blei, n—lead
Bleistift, m—pencil
Bleiweiss, n—white lead
Bock, m—frame; bent; trestle
Boden, m—floor; soil
Bodenart, f—type of soil
Bodenmechanik, f—soils mechanics
Bodenphysik, f—soils physics
Bodensatz, m—sediment
Bodenverfestigung, f—soil stabilization
Bogen, m—arc; arch
Bogenmass, n—measurement in radians
Bohle, f—plank
Bohrer, m—drill; auger
Bohrmehl, n—drill dust from boring
Bohrstange, f—drill rod
Bohrturm, m—frame of boring rig
Bolzen, m—bolt; pin
Bolzenlager, n—hinged support
Böschung, f—slope; incline; side slope
Böschungswinkel, m—angle of slope; angle of repose
Brandvorrat, m—water stored for fire fighting
Braunkohle, f—lignite
Brecheisen, n—wrecking bar; pinch bar
Brecher, m—breaker; crushing machine
Brei, m—paste
Brennpunkt, m—focal point
Brennstoff, m—fuel
Brennweite, f—focal length
Bruch, m—rupture; failure; quarry; fraction
Bruchstein, m—quarry stone
Brücke, f—bridge
Brunnen, m—well
Brunnenkranz, m—cutting edge at bottom of well casing
Brunnenschalung, f—well lining (casing)
Brüstung, f—railing
Buchenholz, n—beech-wood
Bügel, m—stirrup; tie
Bügelteilung, f—stirrup spacing
Bürgersteig, m—sidewalk
Buhne, f—groin; breakwater

Bundesbahn, f—(Swiss) federal railway
Bunker, m—bin; small fortification
Buschwehr, n—brush weir
Bussole, f—(magnetic) compass
bzw., adv.—(beziehungsweise); or as the case may be; respectively

Dach, n—roof
Dachbinder, m—roof truss; roof bent
Dachdecker, m—roofer
Dachhaut, f—roofing; roof sheathing
Dachkehle, f—(roof) valley
Dachpappe, f—roofing felt; roll roofing
Dachstuhl, m—roof truss; roof framing
Damm, m—embankment; (earth) dam
Daube, f—stave
Dauerversuch, m—endurance test; fatigue test
Decke, f—slab; ceiling
Deckel, m—cover; lid
Deckfläche, f—top surface; top area
Deckschicht, f—surface layer; top stratum
Deckwalze, f—surface roller (hydraulics)
Deckwinkel, m—splice angle
Degebo, f—(Deutsche Gesellschaft für Bodenmechanik) German Society for Soil Mechanics
dehnen, v—to stretch; to expand
Dehnfuge, f—expansion joint
Dehnmass, n—strain magnitude; modulus of elasticity
Dehnung, f—elongation; deformation; strain
Dehnungslinie, f—stress-strain curve; strain curve
Dehnungszahl, f—strain coefficient (reciprocal of modulus of elasticity)
Deich, m—dike; levee
Deviationsmoment, n—product of inertia ($\int xyda$)
Dichtdruck, m—leakage-pressure
Dichtigkeit, f—density
Dichtung, f—waterproofing; compacting; rendering impervious
Diele, f—plank
Dienststeg, m—service walkway
Differdingerträger, m—wide-flanged steel I-beam
D. I. N., f—(Deutsche Industrie Normen) German Industrial Standards
Dipl.Ing., m—(Diplom Ingenieur) degree awarded upon graduation from technical university
Diplom, n—diploma; certificate
Doppelbiegung, f—bending in two directions
doppelschnittig, adj.—with double cross-section (as a U-stirrup)
Doppel-T-Eisen, n—I-beam
Dorn, m—thorn; peg; pin
Dr.Ing., m—(Doktor Ingenieur) degree following that of Dipl.Ing. and obtained after further work at a technical university
Dr.tech.Wiss., m—(Doktor der technischen Wissenschaften) Doctor of Technical Sciences
Draht, m—wire
Drahtglas, n—wire glass
Drahtschotter, m—crushed rock wrapped in wire mesh (for river control work)
Drahtseilbahn, f—(wire) cableway
Drahtverhau, m—(barbed) wire barrier
Drall, m—angular momentum; rifling
Draufsicht, f—plan; top view
Drehachse, f—axis of rotation
Drehbank, f—lathe
drehen, v—to rotate; to turn (in lathe)
Drehkante, f—edge about which rotation takes place
Drehpunkt, m—center of rotation
Drehschaufel, f—turbine vane (or bucket)
Drehscheibe, f—turntable
Drehsinn, m—direction of rotation
Drehstrom, m—three-phase alternating current
Drehung, f—torsion; rotation
Dreieck, n—triangle
Dreifuss, m—tripod
Dreigelenkbogen, m—three-hinged arch
Dreistrom, m—three-phase current
Drempel, m—sill for sealing base of gates

Drillung, f—twist
Drosselklappe, f—choke (flap, check) valve
D. R. P., n—(Deutsches Reichs Patent) German patent
Druck, m—pressure; compression; print
drücken, v—to press
Druckfestigkeit, f—compressive strength
Druckhöhe, f—pressure head
Druckkasten, m—pneumatic caisson
Drucklinie, f—pressure line; hydraulic gradient
Druckmesser, m—pressure gage
Druckrohr, n—pressure pipe; penstock
Druckstoss, m—water-hammer
Druckversuch, m—pressure test; compression test
Druckverteilung, f—pressure distribution
Dübel, m—dowel
Dücker, m—inverted siphon
durch, prep.—by; through; across
Durchbiegung, f—deflection
Durchfluss, m—discharge
Durchgangsprofil, n—clearance diagram
Durchlass, m—culvert
durchlässig, adj.—permeable
Durchlaufbalken, m—continuous beam
durchlaufend, adj.—continuous
Durchmesser, m—diameter
durchnässen, v—to saturate; to wet through
durchstechen, v—to pierce
Durchstich, m—cutoff; intercepting cut
Düse, f—nozzle; orifice
Dynamik, f—dynamics

Ebbe, f—low tide
Ebene, f—plane (surface)
Eichen, n—calibration
Eichenholz, n—oak-wood
Eichpfahl, m—calibration post; monument fixing maximum permissible elevation of reservoir water surface
eiförmig, adj.—egg-shaped
Eigengewicht, n—dead load
Eigentümer, m—owner
Eimerkettenbagger, m—bucket-conveyor excavator (or dredge)
Einbettungstiefe, f—depth of embedment; covering of bars
Einbrandtiefe, f—penetration of burning (or fusion)
einbringen, v—to place; to insert
Einfallschacht, m—drop shaft
Einflusslinie, f—influence line
eingespannt, adj.—with fixed ends
Einheit, f—unit
Einlasstück, n—insert
Einlauf, m—intake; inlet
Einlaufbauwerk, n—intake structure
Einlaufgitter, n—trash rack
Einrichtung, f—furnishing; equipment; equipping
einschiffig, adj.—(building) with one aisle
einschliesslich, prep.—including
einschnittig, adj.—(bolt or rivet) in single shear; with single cross-section
Einschnürung, f—choking; narrowing down; necking; contraction
Einschluss, m—inclusion
Einspannung, f—restraint (at ends)
Einspannungsmoment, n—(fixed) end moment
einstampfen, v—to tamp; to rod; to ram
Einsteigschacht, m—man-hole
Einsturz, m—collapse
einstürzen, v—to collapse
Einzellast, f—concentrated load
Einzelheit, f—detail
Einzugsgebiet, n—drainage area; watershed
Eiquerschnitt, m—egg-shaped section
Eisbaum, m—floating ice-boom (or barricade)
Eisen, n—iron; (steel)
Eisenbahn, f—railroad
Eisenbau, m—(iron) steel construction
Eisenbeton, m—reinforced concrete
Eiseneinlage, f—steel reinforcement; steel insert

Eisengehalt, m—iron content; steel area (in reinforced concrete section)
Eisenhochbau, m—(iron) steel skeleton construction
Eisenliste, f—steel list; bar list (schedule)
Eisstoss, m—ice jam; ice impact
Eistrieb, m—ice flow
Elastizität, f—elasticity
Elastizitätsgesetz, n—Hooke's law
Elastizitätsmass, n—modulus of elasticity
Elastizitätsmodul, m—modulus of elasticity
Elastizitätszahl, f—modulus of elasticity
Elektrotechnik, f—electrical engineering
Elektrotechniker, m—electrical engineer; electrician
Emscherbrunnen, m—Imhoff tank
Endfeld, n—end span
Energie, f—energy
Energievernichter, m—energy dissipator
Entdeckung, f—discovery
enteisnen, v—to remove iron
enthärten, v—to soften
entkeimen, v—to destroy (remove) bacteria
Entlastung, f—relief; removal of load
Entlastungswehr, n—spillway weir
entlüften, v—to remove air; (to ventilate)
Entnahmeturm, m—outlet tower
Entsandung, f—desilting; removal of sand
Entschädigung, f—compensation
entwässern, v—to unwater; to drain
Entwurf, m—sketch; outline; design
Erdbau, m—earthwork; earth construction; (soils mechanics)
Erde, f—earth; ground; soil
Erddruck, m—(active) earth pressure
erdfeuchte (Betonmasse), adj.—(concrete) of low water content; damp
Erdwiderstand, m—(passive) earth pressure; resistance offered by earth to being displaced
erfahren, v—to experience; to learn
erfahren, adj.—skilled; experienced; expert
Erfahrenheit, f—skill; experience
Erfahrungszahl, f—coefficient (from experiment or experience)
erfinden, v—to invent
Erfindung, f—invention
Erfolg, m—success; result
Ergebnis, n—result
ergebnislos, adj.—without result; fruitless
Erhärtungsprobe, f—hardening test (or sample)
Erlenholz, n—alder-wood
erheblich, adj.—considerable
Ermüdungsfestigkeit, f—fatigue strength
Ersatz, m—compensation; substitute
Erscheinung, f—phenomenon; appearance
Erschütterung, f—shock
ersetzen, v—to replace
Ersparnis, f—saving
Erwerb, m—acquisition; earnings; industry; occupation
Eschenholz, n—ash-wood
Estrich, m—(floor) finish

Fabrik, f—factory
Fachleute, m (pl.)—trained workers; experts
Fachmann, m—expert
Fachwerk, n—trussing; framing; truss
Fachwerkträger, m—truss
falten, v—to fold
Fahrbahn, f—roadway
Fähre, f—ferry
Fahrstuhl, m—elevator (cabin)
Fahrwasser, n—navigation channel
Falle, f—sluice gate; trap; leaf
Fassoneisen, n—rolled steel member
Fassung, f—capacity; holder
faulen, v—to rot; to decompose
Faulgas, n—gas given off during decomposition
Feder, f—spring; spline; pen; feather
Federkonstante, f—elasticity constant
federnd, adj.—elastic
Federring, m—split lock-washer
Fehler, m—error; flaw

Feile, f—file
Feinblech, n—thin (under 4.5 mm) metal plate
Feld, n—field; span
Feldmitte, f—center of span
Feldweite, f—span (dimension)
Fels, m—rock
Felsblock, m—boulder
Fenster, n—window
Fensterstollen, m—lateral tunnel used to permit access to or driving of main tunnel from intermediate points
Fenstersturz, m—lintel beam over window
Fensterträger, m—lintel beam over window
Fensterüberlage, f—lintel beam over window
Fernrohr, n—telescope
fest, adj.—established; firm; fixed
Festigkeit, f—strength
Festigkeitslehre, f—theoretical mechanics
Festpunkt, m—fixed point; anchorage
Festungsbau, m—fortification
Fettfang, m—grease trap
feucht, adj.—moist; damp
Feuchteschreiber, m—humidity recorder
Feuchtigkeit, f—moisture; humidity
Feuer, n—fire
feuerfest, adj.—fireproof
Feuerhahn, m—fireplug; fire hydrant
feuern, v—to fire
Feuerpfosten, m—fireplug; fire hydrant
Feuerprobe, f—fire test
feuersicher, adj.—fireproof; fire-resistant
Fichtenholz, n—pine-wood
filtern, v—to filter
Filterrohr, n—perforated (well) pipe
Firma, f—firm; company
First, m—(roof) ridge
Fischpass, m—fish ladder
Flacheisen, n—rectangular or square (steel) bars; flats
Fläche, f—area; surface; plane
Flankennaht, f—side seam; side weld
Flansch, m—flange
Flaschenzug, m—block and pulley
Fliehkraft, f—centrifugal force
Fliese, f—flagstone; wall-tile
Fliessand, m—quicksand
fliessen, v—to flow
Fliessen, n—flowing; flow with velocity less than the critical value
Fliessgrenze, f—flow limit; yield point
Fliessprobe, f—flow test; flow sample
Flockenbildung, f—flocculation; coagulation
flockig, adj.—flaky
Floss, n—raft
Flossfeder, f—timber float at end of raft pass to prevent scouring of channel bed
Flossgasse, f—raft channel (or pass)
flott, adv.—afloat
Flottwassertiefe, f—vertical distance between ship bottom and channel bed
Fluchtlinie, f—building line
Flügel, m—wing; current meter
Flughafen, m—air field; airport
Flugtechnik, f—aeronautics
Fluss, m—river; stream; fusion
Flusseisen, n—mild steel
Flüssigkeit, f—fluid
Flusstahl, m—mild steel
Flut, f—high tide; high water
Föhrenholz, n—fir-wood
Folgerung, f—deduction; inference; conclusion
Förderanlage, f—conveyor system
Fördermenge, f—discharge; quantity being transported
fördern, v—to promote; to advance; to transport
Form, f—form; shape; mold
Formänderung, f—deformation
Format, n—form; shape; size
Formeisen, n—special steel (or iron) bar
Formel, f—formula
Formstück, n—(pipe) fitting; special shape
forschen, v—to search (for); to investigate
Forschung, f—research

Fortschritt, m—progress
fortsetzen, v—to continue
Fortsetzung, f—continuation
fraglich, adj.—questionable; doubtful
Fräsmaschine, f—milling machine
frei, adj.—free; independent; unrestrained
Freilänge, f—unsupported length; span
Freispiegelstollen, m—non-pressure tunnel
Freiträger, m—simple beam
Freiwasser, n—clear water
Froschklappe, f—special flap valve
frühhochfest, adj.—of high early strength
Fuge, f—joint; seam
Fuhre, f—wagon; cart; cart load
Füllbeton, m—lean concrete used because of weight or to fill space
Füllschwall, m—water bore
Füllstab, m—web member (of truss)
Füllung, f—filling; capacity
Füllungsstab, m—web member (of truss)
Fundament, n—foundation
Fundierung, f—foundation
Funke, m—spark
Furt, f—ford; crossing; point of shallow depth of "Talweg" between reversed curves in river course
Fussplatte, f—base plate
Futterblech, n—fill plate
Futterrohr, n—casing pipe

Gang, m—procedure; progress; pitch (of thread); variation (of a curve)
Ganghöhe, f—pitch (of thread or spiral)
Gasschmelzschweissung, f—gas (oxy-acetylene) welding
Gebäude, n—building
Gebiet, n—district; territory; field (of study)
gebrauchen, v—to use; to employ
Gebrauchsanweisung, f—instructions (for use)
Gebrauchsspannung, f—working stress
Gebühren, f (pl.)—fees
Gefälle, n—slope
gefrieren, v—to freeze
Gefrierverfahren, n—freezing process
Gefüge, n—texture; structure; (joints)
gegen, prep.—against; towards
Gegenbild, n—counterpart
Gegengewicht, n—counterweight
gegenseitig, adj.—mutual; reciprocal
Gehre, f—mitre; bevel
Gehweg, m—sidewalk; path
gekörnt, adj.—granulated
Gelände, n—countryside; region; topography; terrain
Geländer, n—railing
Geleise, n—track
Gelenk, n—hinge; link; articulation
Gemenge, n—mixture
gemischt, adj.—mixed
gemischtkörnig, adj.—of various grain sizes
genau, adj.—accurate; precise
Genietruppen, f (pl.)—engineer troops
Geodäsie, f—geodesy
Geolog, m—geologist
Geometer, m—geometrician; surveyor
gerade, adj.—straight; direct
Gerade, f—straight line
Gerät, n—equipment; tools
Gerberei, f—tannery
Gerbsäure, f—tannic acid
Gerberträger, m—cantilever structure; continuous beam with inflection points fixed by insertion of hinges and statically determinate externally
gering, adj.—trifling; unimportant; small; low
Gerinne, n—ditch; gutter; channel; flume
Geruchsverschluss, m—odor-seal
Gerüst, n—scaffold; trestle; frame
Gesamtstoss, m—total impact; complete splice at one section
Gesamtunternehmer, m—general contractor
Geschäft, n—business
geschehen, v—to happen; to occur
geschickt, adj.—skillful
Geschiebe, n—sedimentary material transported along stream bed by flowing water; bed load; gravel and small boulders; detritus

Geschoss, n—story (of building); projectile
Geschwindigkeit, f—velocity; speed
Gesell, m—journeyman
Gesims, n—cornice
gespült, adj.—washed; hydraulic (fill dam)
Gestaltung, f—shape; state
Gestein, n—rock
Gestell, n—frame; scaffold
Getriebe, n—drive; motive power; machinery
Gewerbe, n—trade; profession; occupation
Gewerkschaft, f—trade union
Gewicht, n—weight
Gewichtsstaumauer, f—gravity dam
Gewinde, n—thread (on screw); winding; worm gear
Gewölbe, n—arch; vaulted ceiling
Gewölbe-Reihensperre, f—multiple-arch dam
gewunden, adj.—coiled; twisted
Gezeiten, f (pl.)—tide
Giesserei, f—foundry
Gips, m—gypsum; plaster
Gitter, n—lattice; screen; rack
Glaser, m—glazier
Glashütte, f—glass-works
glatt, adj.—smooth; even
Gleichartigkeit, f—similarity; uniformity; homogeneity
Gleichgewicht, n—equilibrium; balance
Gleichgewichtspunkt, m—center of gravity
gleichlaufend, adj.—parallel; in the same direction
Gleichrichter, m—rectifier
gleichschenkelig, adj.—(angle) of equal legs
Gleichstrom, m—direct current
Gleichung, f—equation
Gleis, n—track
gleiten, v—to slide; to slip; to shear
Gleitfläche, f—surface of sliding (of slipping)
Gleitlager, n—sliding bearing
Gleitlinie, f—line of slip
Gleitmass, n—shearing modulus of elasticity; (amount of slip)
Gleitung, f—slippage; (angle of) shearing deformation
Gleitwiderstand, m—resistance to sliding
Glied, n—member
Glimmer, m—mica
Glühverlust, m—loss on ignition
G. m. b. H., f—(Gesellschaft mit beschränkter Haftung) incorporated company
Graben, m—ditch; trench
graben, v—to dig
Greifbagger, m—single-bucket excavator
Grenze, f—limit; boundary
Grenzspannung, f—limiting stress; edge stress
Greyträger, m—wide-flanged structural steel I-beam
grob, adj.—approximate; coarse
Grobblech, n—thick (over 4.5 mm) metal plate
Grösstmoment, n—maximum moment
Grube, f—pit; excavation; mine
Grundablass, m—low-level outlet; sluice
Grundanstrich, m—base coat of paint; shop coat
Grundbruch, m—foundation failure
Grundbuch, n—register of land ownership
Grundlage, f—basis; underlying principle; fundamental
Grundlinie, f—base line
Grundplatte, f—base plate; bearing plate; base slab
Grundpreis, m—base price; cost of land
Grundriss, m—plan (drawing); outline
Grundschwelle, f—base-sill (for maintaining elevation of channel bed)
Grundstück, n—parcel of land; lot
Grundtaster, m—sounding device; sounding rod
Gründung, f—foundation; establishment
Grundwasser, n—ground water
Grundwasserabsenkung, f—lowering of ground water; (well-point method)
Grundwehr, n—submerged weir; low weir
Grundzug, m—outline; characteristic

Grus, m—a fine gravel; (coal-slack)
Gummi, m—rubber
Gurt, m—belt; strap; chord (of truss or girder)
Gurtförderer, m—band conveyor
Gurtplatte, f—chord plate; cover plate
Gutachten, n—judgement; opinion; report by expert
Güterwagen, m—(railroad) freight car
Gussbeton, m—cast concrete; concrete sufficiently wet to flow
Gusseisen, n—cast iron
Gussrohr, n—cast (iron) pipe
Gusstück, n—casting

Hackboden, m—soil that may be excavated by use of a pick
Hacke, f—adze; pick
Haft, f—clamp; tie
haften, v—to bond; to adhere (to)
Haftspannung, f—bond stress
Hahn, m—faucet; stopcock; valve
Haken, m—hook
Halbmesser, m—radius
Halbrundniet, n—rivet with button head
Halter, m—clamp; tie
Hammer, m—hammer
Hammerwerk, n—forge-shop
Handbetrieb, m—manual operation
handelsüblich, adj.—of commercial size
Handwerker, m—manual worker
Hängebrücke, f—suspension bridge
Härteprobe, f—hardness test
Härtungsmittel, n—hardening agent
Haue, f—mattock; pick
Hauptachse, f—principal axis
Hauptschnitt, m—principal section; section on which principal stress occurs
Hauptspannung, f—principal stress
Haus, n—house; building; firm
Hebel, m—lever
Hebemaschine, f—hoisting machine
Heber, m—siphon
heben, v—to lift; to raise; to heave
Hebung, f—raising; (frost) heaving
Heftniet, n—"stitch" rivet; rivet not transmitting a force
Heimpfahl, m—monument fixing maximum permissible elevation of reservoir water surface
heizen, v—to warm; to heat
Heizung, f—heating
Hektar, n—metric unit of area equal to 10,000 square meters or 2.471 acres
Helling, f—(ship) slip; ways
Herdmauer, f—cutoff wall
herstellen, v—to manufacture; to produce
Herstellungssumme, f—cost of production (of building)
Hilfsarbeiter, m—helper; laborer
Hilfsdamm, m—cofferdam; auxiliary embankment
Hilfskraft, f—auxiliary force; assistance; temporary employee
Hobel, m—planing tool; plane
Hochbahn, f—elevated railroad
Hochbau, m—construction above ground surface
Hochdruck, m—high pressure
Hochhaus, n—tall building; skyscraper
Hochofen, m—blast furnace
Hochofenzement, m—cement consisting of Portland cement and finely ground blast furnace slag
Hochschule, f—university
Höchstwert, m—maximum value
Hochwasser, n—high-water (level); flood
Hof, m—courtyard; farm
Höhe, f—height; altitude
Hohlstein, m—hollow tile (or block)
Holz, n—wood; timber
Hosenrohr, n—pipe-Y
Hubtor, n—vertical-lift gate
Hüttenkunde, f—metallurgy
Hüttenwerk, n—(steel) mills; foundry
Hundertsatz, m—percentage
Hundertstel, n—one-hundredth part; percent
H.W.—see "Hochwasser"
Hyperbel, f—hyperbola

Kachel, f—wall-tile
Kai, m—wharf; quay
Kalk, m—lime
Kaltbiegeprobe, f—cold-bending test

Kältemaschine, f—refrigerating machine
Kamm, m—ridge (of hills); comb
Kämpfer, m—(arch) abutment or springing
Kanal, m—canal; conduit; sewer
Kanalisation, f—sewerage; sewer system
Kante, f—edge
Kardätsche, f—screed; striking edge
Karte, f—chart; map; card
Kassettenplatte, f—precast (concrete) slab unit
Kastenträger, m—box-girder
Kautschuk, m—rubber
Kegel, m—cone
Kehle, f—throat
Kehlnaht, f—throat seam; fillet weld
Kehlung, f—haunch (of beam); moulding
Keil, m—wedge; key
keilen, v—to wedge
Kelle, f—trowel; ladle
Keller, m—cellar; basement
Kennziffer, f—coefficient; numerical characteristic
Kerbe, f—notch; indentation
Kern, m—core; kern
Kernholz, n—heartwood
Kernmauer, f—core-wall
Kessel, m—kettle; boiler
Kesselblech, n—boiler-plate
Kette, f—chain
Kettenbrücke, f—chain (suspension) bridge
Kettenlinie, f—catenary curve
Kieferholz, n—pine-wood
Kies, m—gravel
Kiesel, m—silica; flint; pebble
Kieselgur, f—infusorial earth
Kiessand, m—(natural) mixture of sand and gravel
Kieselsäure, f—silicic acid
kippen, v—to tip
Kipplager, n—rocker bearing; hinged bearing
Klamm, f—gulch
Klammer, m—clamp; parenthesis
Klappe, f—flap; butterfly valve
Klapptor, n—flap-gate; gate pivoting about horizontal axis along base
Kläranlage, f—clarification (or filter) plant; sewage treatment plant
Klebegrenze, f—limit of adhesion
kleben, v—to adhere (to); to glue
Klei, m—clay
klein, adj.—small; little; minor
Kleinpflaster, n—pavement of small cobblestones in interlocking pattern
Kleinschlag, m—finely crushed rock
Kleintriangulation, f—triangulation network not of primary order
Kleister, m—paste
Klemme, f—clamp
Klemmlänge, f—clamped length; grip (of rivet)
Klempner, m—sheet-metal worker
Kloake, f—sewer
Kloben, m—block; vise; pulley
Klotz, m—(massive) block
klumpig, adj.—lumpy
Knagge, f—ledger; bracket; short projection
knapp, adj.—scanty; narrow; brief
Knick, m—crack; defect
knicken, v—to buckle (column)
Knicklänge, f—unsupported length over which buckling occurs; effective length
Knickung, f—buckling
Knopf, m—button
Knoten, m—knot
Knotenblech, n—gusset plate; connection plate
Knotenpunkt, m—truss (or frame) joint; junction
Kochprobe, f—boiling test
Kohäsion, f—cohesion
Kohle, f—coal
Kohlensäure, f—carbonic acid
Kohlenstoff, m—carbon
Koks, m—coke
Kolben, m—piston; mallet; club
Kolk, m—scour (of channel bed)
Kolkabwehr, f—scour prevention
Kolleg, n—series of (university) lectures
Kollege, m—colleague
Kolmation, f—deposition of soil from flowing water
Kompass, m—compass
konisch, adj.—conical

können, v—to be able; to know; to understand
Konsole, f—bracket
Konsolträger, m—cantilever beam
konstruieren, v—to construct; to build
Konstrukteur, m—detailer; builder
Kontrakt, m—contract
Kopf, m—head; top
Kopfplatte, f—cover plate
Korn, n—grain (of sand); corn; gun-sight
körnen, v—to granulate; to grind
Korngrösse, f—grain size
Korngrösseneinteilung, f—grain-size distribution
Kornzusammensetzung, f—gradation (of grain sizes)
Korrektur, f—correction
korrigieren, v—to correct
Kosinus, m—cosine
kosten, v—to cost; (to taste)
Kraft, f—force; power; strength
Kraftanlage, f—power plant
Kraftebene, f—plane of forces
Krafteck, n—force diagram; force polygon
Kräftepaar, n—couple; two equal, opposite, parallel, non-colinear forces
Krafthaus, n—power house
kräftig, adj.—strong; powerful; vigorous
Kraftniet, n—rivet transmitting a force
Kraftplan, m—force diagram
Kraftwagen, m—automobile
Kraftwerk, n—power plant
Kragbalken, m—cantilever beam
Krampe, f—cramp; clamp
Kran, m—crane; derrick
Kranbahn, f—crane-runway
Kreide, f—chalk
Kreis, m—circle
Kreisabschnitt, m—circular segment
Kreisausschnitt, m—sector of circle
Kreisbogen, m—circular arc (or curve)
Kreisel, m—top; gyroscope
Kreiselpumpe, f—centrifugal pump
kreisförmig, adj.—circular
kreuzen, v—to cross; to intersect
kreuzweis, adj.—crosswise; two-way
Krone, f—crown; crest
Kröpfung, f—crimping
krumm, adj.—crooked; bent; curved
Krümmer, m—(pipe) elbow; bend
krummlinig, adj.—curvilinear
Krümmung, f—bend; curve
Krümmungshalbmesser, m—radius of curvature
Kugel, f—sphere; ball
kugelfest, adj.—bullet-proof
Kugelgelenk, n—ball and socket joint
Kugellager, n—ball-bearing (support)
Kugelmühle, f—ball mill
Kugelschieber, m—globe valve
Kühlanlage, f—refrigeration plant
kühlen, v—to cool
Kühlraum, m—cold storage room; cooling chamber
Kulturtechnik, f—improvement of land for cultivation by means of irrigation, drainage, soil conservation
Kunde, m—client; customer
Kunde, f—information; knowledge; science
Kunst, f—art; skill; trade; profession
Kunstbau, m—(man-made) structure
Kunststein, m—artificial stone
Kupfer, n—copper
Kuppel, f—dome; cupola
kuppeln, v—to connect; to couple
Kuppelung, f—coupling
Kurbel, f—crank
kurz, adj.—short; brief
Kurzschluss, m—short circuit
Küste, f—coast

Lage, f—position; situation; layer
Lager, n—bearing; support; supply-base; camp; layer
Lagerplatz, m—depot; storage-place
Lagerung, f—support; storage
Land, n—country; land; territory; soil
Landbau, m—agriculture

Landesaufnahme, f—topographic mapping
Landkarte, f—(topographic) map
Landmesser, m—(land) surveyor
Landungsbrücke, f—pier; landing stage
Landvermessung, f—land survey
Landwirtschaft, f—agriculture
Längenschnitt, m—longitudinal section
Längsschnitt, m—longitudinal section
Larssenbohle, f—Larssen sheet-pile
Lasche, f—splice-plate; splice
Last, f—load
Lastenzug, m—series of loads
Lastkahn, m—barge
Lastkraftwagen, m—automobile truck
Lastsenkungsdiagramm, n—load-settlement curve
Laterne, f—lantern; (roof) monitor
Latte, f—lath; (surveyor's) rod
Läufer, m—runner; stretcher (brick)
Laufgraben, m—trench
Laufkatze, f—crane carriage; traveling crab; trolley
Laufkran, m—traveling crane
Laufplatte, f—(stair) landing slab
Laufwerk, n—mechanism; power plant without storage facilities
Laufwert, m—peripheral speed of wheel
Lawine, f—land slide; avalanche
Leergerüst, n—scaffold; centering (of arch)
legen, v—to place; to put; to lay
legieren, v—to alloy
Legierung, f—alloy
Lehm, m—loam; mud
Lehramt, n—position as teacher; professorship
Lehre, f—theory; doctrine; (wire) gage; centering
Lehrgerüst, n—scaffold; centering (of arch)
Lehrling, m—apprentice
Lehrplan, m—curriculum
Leibungsdruck, m—(bolt or rivet) bearing pressure
Leim, m—glue
Leiste, f—strip; bar; ledger
leisten, v—to perform; to do
Leistung, f—performance; capacity; achievement
leiten, v—to direct; to manage; to guide; to lead
Leitung, f—direction; supervision; conduit; line
Leitwerk, n—training wall; diversion structure
Letten, m—clay
Leuchtturm, m—lighthouse
Libelle, f—(water or spirit) level
licht, adj.—clear; unobstructed
Licht, n—light
Lichbild, n—photograph
Lichtbogen, m—electric arc
Lieferant, m—dealer delivering materials
liefern, v—to deliver; to furnish
Limbus, m—lower plate of transit
Lineal, n—ruler; straight edge
Linie, f—line; curve
Linienzug, m—continuous series of lines
links, adv.—on (or to) the left
linkssteigend, adj.—inclined to the left; rising on the left
Linse, f—lens
Linsenniet, n—countersunk rivet with shallow button head
Loch, n—hole
lochen, v—to punch (holes)
Lochleibungsdruck, m—(bolt or rivet) bearing pressure
Lochstein, m—perforated (brick or stone) block
Lochweite, f—diameter of hole
locker, adj.—loose
Löffel, m—spoon; ladle
Löffelbagger, m—bucket dredge; power shovel
Löffelbohrer, m—auger
Logarithmus, m—logarithm
logisch, adj.—logical
Lohn, m—wages; pay; reward
Lore, f—cart; dump-cart; truck
löschen, v—to extinguish; to cancel; to put out; to slake (lime)
Löschwasser, n—water for fire fighting
lösen, v—to solve; to loosen

Lösung, f—solution
Lot, n—plumb-bob; plummet; sounding lead
lotrecht, adj.—vertical; perpendicular
Lötung, f—soldering
Lücke, f—deficiency; gap
lückenhaft, adj.—defective; incomplete
Luftblase, f—air bubble
Luftdruck, m—air pressure; atmospheric pressure
Lüftung, f—ventilation
Lupe, f—magnifying glass

Mäander, m—meander
Machart, f—type (of manufacture); brand
machen, v—to make; to manufacture; to cause; to produce
Macht, f—power; authority
Mächtigkeit, f—strength; thickness; depth
mager, adj.—thin; lean; meagre
Magerbeton, m—lean concrete
mahlen, v—to grind
Mahlfeinheit, f—fineness of grinding
Mal, n—sign; characteristic; time
Maler, m—painter
manchmal, adv.—sometimes
Mangan, n—manganese
Mangel, m—lack; deficiency; defect
Mantel, m—case; cover; jacket
Mantelblech, n—metal sheet covering
Mantelreibung, f—skin-friction
Markscheider, m—(land) surveyor
Marmor, m—marble
Marsch, f—marsh
Maschine, f—machine
Maschinenarbeiter, m—machinist
Maschinenbauer, m—manufacturer of machines; (mechanical engineer)
Maschineningenieur, m—mechanical engineer
Mass, n—measure; extent
Masse, f—mass; quantity; bulk
mässig, adj.—moderate
Masstab, m—scale; measure
Mast, m—pole; mast
mathematisch, adj.—mathematical
Materie, f—matter; material
matt, adj.—dull; dim
Mauer, f—(masonry) wall
Mauerflucht, f—wall line; face of wall
Mauerwerk, n—masonry
Maurer, m—mason
Mechanik, f—mechanics; mechanism
Mechaniker, m—mechanician
Meeresspiegel, m—sea-level
Mehlsand, m—very fine sand
mehr, adj.—more
Mehraufwand, m—increased expenditure
mehrfach, adj.—repeated; multiple; manifold
mehrfeldrig, adj.—with multiple spans
Meissel, m—chisel
meistens, adv.—usually; generally
Meistgebot, n—highest bid
Melioration, f—improvement of land for cultivation by means of irrigation; drainage, soil conservation
Menge, f—quantity; crowd
mengen, v—to mix
Mengungsverhältnis, n—proportions of mix
Mennig, m—red lead
Mergel, m—marl; clay
Messband, n—surveyor's tape
Messchirm, m—traveling screen for measuring discharge of water
messen, v—to measure
Messer, n—knife
Messer, m—measurer; gage
Messkette, f—surveyor's chain
Messkunde, f—surveying
Messing, n—brass
Messlänge, f—length of measurement; gage length
Messtisch, m—measuring table; plane-table
Messuhr, f—dial gage; dial extensometer; pressure capsule
Messung, f—measurement
Messwehr, n—calibrated weir for measuring discharge
methodisch, adj.—methodical
metrisch, adj.—metrical
M.H.W.—see "Mittelhochwasser"

minder, adj.—less; lesser; smaller
mindern, v—to lessen; to diminish
mindest, adj.—least; smallest
Mineralog, m—mineralogist
mischen, v—to mix
Mischung, f—mixture
Mischweise, f—manner of mixing
Misserfolg, m—failure
mit, prep.—with
mitarbeiten, v—to work together; to collaborate
Mitte, f—middle; center
Mittel, n—means; medium
mittelbar, adj.—indirect
Mitteldruckanlage, f—hydroelectric plant of moderate head (from about 60 to 160 feet)
Mittelhochwasser, n—mean high-water (level)
Mittelkraft, f—resultant force
Mittellinie, f—axis; center line
Mittelniedrigwasser, n—mean low-water (level)
Mittelpunkt, m—center
mittels, prep.—by means of
Mittelwasser, n—mean-water (level)
Mittelwert, m—average value
mittig, adj.—axial; centric
mitunter, adv.—occasionally; now and then
mitwirken, v—to cooperate; to assist
M.N.W.—see "Mittelniedrigwasser"
Modul, m—modulus
möglich, adj.—possible
Molkerei, f—dairy
Momentendeckung, f—satisfying of moment requirements (with regard to the necessary length of cover plates or tension bars)
Momentenfläche, f—moment area; area under moment curve
Momentenlinie, f—moment curve
Momentennullpunkt, m—point of zero moment; inflection point
Montage, f—erection; mounting
Montierung, f—setting; fitting; mounting
Moor, n—marsh; swamp; bog
Mörtel, m—mortar
Mulde, f—trough; ravine
Müll, n—rubbish; refuse; garbage
Müllverbrennungsofen, m—incinerator
Murgang, m—(wet) land slide
Mutter, f—nut; (mother)
Mutterboden, m—natural (undisturbed) soil
M.W.—see "Mittelwasser"

nach, prep.—after; behind; according to
Nacharbeit, f—repair; maintenance
Nachglühen, n—annealing
Nachlasskette, f—extension chain
nachprüfen, v—to check; to inspect; to test
nachrechnen, v—to recompute; to check (computations)
Nachricht, f—report; information; notice
Nachrichtentechnik, f—science of communications
Nachschlagebuch, n—reference book
nächst, adj.—next; nearest
nächst, prep.—next to
Nachteil, m—disadvantage
Nachtrag, m—supplement
nachträglich, adj.—supplementary; subsequent; later
Nachweis, m—proof
nachweisen, v—to indicate; to prove
Nadelwehr, n—needle weir
Nagel, m—nail
Nähe, f—nearness; proximity
Näherung, f—approximation; approach
Naht, f—seam; weld
Nahtstärke, f—seam size; weld (throat) dimension
nass, adj.—wet
Nassläufer, m—(water) meter with mechanism and indicator operating wet
Naturwissenschaften f (pl.)—natural sciences
neben, prep.—adjacent to; beside; near
Nebenbalken, m—joist; secondary beam
Nebenfluss, m—tributary stream
Nebengleis, n—(railroad) siding; side track
Nebenlinie, f—branch (railroad) line

nebensächlich, adj.—of secondary importance
Nebenspannung, f—secondary stress
neigen, v—to incline; to bend; to lean
Neigung, f—inclination; slope; grade
nennen, v—to name
Nenner, m—denominator
Nennwert, m—nominal value
netzen, v—to moisten; to wet
neu, adj.—new; recent
neuerdings, adv.—recently
nichtig, adj.—void; invalid
nieder, adj.—low; mean; inferior
Niederdruckanlage, f—hydroelectric plant of low (up to 60 feet) head
Niederschlag, m—rainfall; sediment
Niederspannung, f—low tension
Niederwasser, n—low-water (level)
Niedrigstwasser, n—extreme low water
Niet, n—rivet
Nietabstand, m—rivet spacing (or pitch)
Nietabzug, m—deduction of rivet holes
Nietarbeit, f—driving of rivets; riveting
Nietbild, n—rivet arrangement
Niveau, n—level
nivellieren, v—leveling
Norm, f—standard
Normalkraft, f—normal force; axial force
Normalprofil, n—standard cross-section
Normalspannung, f—direct stress; normal stress
Not, f—emergency; need; necessity; danger
Notauslass, m—emergency outlet
Notbremse, f—emergency brake
Notfall, m—case of emergency
Notstand, m—state of emergency
Notstandsarbeiten, f (pl.)—relief works
N.P.—see "Normalprofil"
Nullinie, f—neutral axis; zero-line
Nullpunkt, m—zero-point
Nummer, f—number
Nut, f—groove
Nut und Feder, f—splined connection; (tongue and groove)
nutzbar, adj.—useful; effective; net
Nutzen, m—use; advantage; profit
nützen, v—to be of use
Nutzhöhe, f—effective depth (height)
Nutzlast, f—live load; useful load
nützlich, adj.—useful
Nutzungsdauer, f—useful life
N.W.—see "Niederwasser"

ober, adj.—upper; higher
Oberbau, m—superstructure; railroad track (rails and ties)
Oberfläche, f—surface
oberflächlich, adj.—superficial
Oberingenieur, m—chief engineer; engineer-in-charge
Oberlicht, n—skylight
Oberwasser, n—head-water; water upstream of point in question
Oeffnung, f—opening; span
Ofen, m—furnace; oven; stove
offen, adj.—open; public
offenbar, adj.—obvious; evident
ohne, prep.—without
Okular, n—eyepiece
optisch, adj.—optical
ordnen, v—to arrange; to put in order
örtlich, adj.—locally

Pappelholz, n—poplar-wood
Parabel, f—parabola
Pech, n—pitch
Pegel, m—gage-rod; depth-indicator
Pegelbeziehung, f—relationship between gage readings at different stations
Pegelschlüssel, m—rating curve for gage (discharge plotted against gage reading)
Peilung, f—sounding
Peinerträger, m—wide-flanged steel I-beam
Pendel, n—pendulum
pendeln, v—to oscillate
Pendelsäule, f—column with spherical end bearings
Pfahl, m—(foundation) pile; stake; post

Pfahlgründung, f—pile foundation
Pfeiler, m—pier
Pfeilerstau, m—backwater effect (due to bridge piers)
Pfeilhöhe, f—rise
Pfeilverhältnis, n—ratio of rise to span (of arch)
Pferdestärke, f—metric horse-power (542.5 foot-pounds per second, or 0.9863 H.P.)
Pfette, f—purlin; roof beam
Pflaster, n—pavement; plaster
Pfosten, m—post; (door) jamb
Pfostenfachwerk, n—Vierendeel truss
Pfund, n—pound (1.10 American pounds)
Physik, f—physics
physikalisch, adj.—physical
Picke, f—pick
Pickel, m—pick
Pilzdecke, f—flat (girderless) slab
Pioniertruppen, f (pl.)—engineer troops
planieren, v—to level; to grade
Platte, f—slab; plate
Plattenbalken, m—T-beam
Plattenbreite, f—width of slab; width of flange (in T-beams)
Platz, m—place; space; (public) square
platzen, v—to burst; to shatter; to explode
Plastizität, f—plasticity
Plastizitätsgrenze, f—plastic limit
plombieren, v—to seal
plötzlich, adj.—sudden
Pochwerk, n—stamping-mill
Podest, n—platform; landing
Polder, m—land reclaimed from sea by means of dikes
Polier, m—foreman
polieren, v—to polish
Poller, m—mooring post
Pore, f—pore; void
Porenvolumen, n—volume of voids
Porenziffer, f—voids ratio (volume of voids to volume of solids)
porös, adj.—porous
Posten, m—post; place; station
Potenz, f—power; exponent
Prahm, m—barge
Praktiker, m—experienced man; practical man
praktisch, adj.—practical
Preis, m—price; cost
Preisangabe, f—quotation of prices
Prellbock, m—buffer; stop; fender (pile)
Prellstein, m—curb-stone
Presskuchen, m—bricquet
Pressluft, f—compressed air
Pressung, f—pressure
Probe, f—sample; test; trial
Probebelastung, f—test load; loading test
Probekörper, m—test specimen
proben, v—to try; to check; to test
Probepfahl, m—test pile
Probewürfel, m—test cube
probieren, v—to try; to test
Professur, f—professorship
Profileisen, n—rolled steel member
Profilradius, m—hydraulic radius
Prokurist, m—official (or agent) empowered to sign contracts for the firm; (office manager)
prüfen, v—to try; to test; to examine; to check
Prüfmaschine, f—testing machine
Prüfung, f—test; examination
Prüfungsanstalt, f—testing laboratory; experiment station
P.S., f—see "Pferdestärke"
Pumpe, f—pump
Pumpspeicher, m—pumped storage (at a hydroelectric plant)
Punkt, m—point; dot; (surveying) monument

Quader, m—(masonry) block
Quadrat, n—square
Quelle, f—spring; source
quellen, v—to gush, to flow; to swell
Quellfassung, f—capture of spring
quer, adj.—transverse; oblique
Querdehnung, f—transverse strain (or expansion)
Querkraft, f—transverse force; shearing force

Querschnitt, m—cross-section
Querschotte, f—diaphragm
quetschen, v—to squeeze; to crush

Rad, n—wheel
Raddruck, m—wheel pressure (load)
Rahmen, m—(rigid) frame
Rahmenbinder, m—rigid frame
Rammbrunnen, m—well obtained by driving pipe into waterbearing stratum
Ramme, f—ram; pile-driver
rammen, v—to ram; to drive (piles); to tamp (concrete)
Rand, m—edge
Randspannung, f—edge stress; extreme fiber stress
Randstein, m—curbstone
Randträger, m—edge beam; wall beam; spandrel beam
Rang, m—rank
Rangierbahnhof, m—(railroad) switching yard
Rangiergleis, n—(railroad) switching track; siding
Rasen, m—turf; sod
Rasenziegel, m—sod squares (for paving)
Rat, m—advice; councillor
rätlich, adj.—advisable
rauh, adj.—rough; raw; coarse; harsh
Rauhigkeitsbeiwert, m—coefficient of roughness
Raum, m—space; room
Raumbeständigkeit, f—constancy of volume
Raumgewicht, n—density; weight per unit of volume
Rauminhalt, m—volume; capacity
räumlich, adj.—in space; three-dimensional; spatial
Raummass, n—dimensions; volume
Raupenschlepper, m—caterpillar tractor
Realschule, f—secondary school where emphasis is placed on the sciences
Rechen, m—rake; trash-rack
Rechenfehler, m—arithmetical error; miscalculation
Rechengut, n—material retained on trash rack
Rechenmaschine, f—computing machine
Rechenschieber, m—slide-rule
Rechenstab, m—slide-rule; trash-rack bar
rechnen, v—to compute
rechnerisch, adv.—analytically; by computation
Rechnung, f—computation; bill
Recht, n—justice; right; claim; law
Rechteck, n—rectangle
rechts, adv.—on (or to) the right
rechtssteigend, adj.—inclined to the right; rising on the right
rechtwinklig, adj.—rectangular
Regel, f—rule; regulation
regellos, adj.—irregular; not following a rule
regelmässig, adj.—regular; according to a rule
Regelung, f—control; regulating
regelwidrig, adj.—irregular; contrary to rule
Regendichte, f—rainfall intensity (in millimeters per minute)
Regenkern, m—point of maximum rainfall during a rainstorm
Regenmesser, m—rain-gage
Regler, m—governor; regulator; control
Regnerdüse, f—spray-nozzle
reiben, v—to rub; to grate; to cause friction
Reibung, f—friction
reibungslos, adj.—frictionless
Reibungszahl, f—coefficient of friction
Reichsbahn, f—German (government) railway
Reichweite, f—range
reif, adj.—ripe; mature; ready
Reif, n—hoarfrost
Reissbrett, n—drawing-board
Reisschiene, f—T-square
reissen, v—to tear; to rip
Reissnagel, m—thumb-tack
Reisszeug, n—drawing instruments
Reiterlibelle, f—striding level
reparieren, v—to repair
revidieren, v—to revise; to check; to audit
Revision, f—inspection; revision; auditing

Revisionsschacht, m—manhole; inspection-shaft
richten, v—to arrange; to adjust; to conform to
Richteeisen, n—steel member used for erection purposes; spacer bar
richtig, adj.—correct; right
Richtstollen, m—pilot tunnel
Richtung, f—direction
Riegel, m—horizontal member; tie; truss; latch
Riegelbau, m—half-timber construction
Riemen, m—belt; strap
Rieselfeld, n—sewage farm; sludge-bed; sprinkling-bed
Riffelblech, n—checkered metal plate; corrugated sheet metal
Rinne, f—trough; chute; channel; gutter; groove
Rinnstein, m—curbstone
Rinnensprosse, f—gutter-shaped rolled (steel) member
Rippe, f—rib
Riss, m—crack; check; tear; drawing
RM, f—(Reichsmark) mark
roden, v—to clear (land)
roh, adj.—rough; crude; coarse; raw
Rohmaterial, n—raw material
Rohr, n—tube; pipe
Rohrbrücke, f—bridge for supporting pipe
Röhre, f—tube; pipe
Rohrmühle, f—tube-mill
Rohrnetz, n—pipe (distribution) system
Rohrsiel, n—pipe culvert or passage through a levee
Rohrweite, f—diameter of pipe
Rolle, f—roll; roller
Rollenlager, n—roller bearing
Rollmaterial, n—(railroad) rolling stock
Rollschütze, f—roller gate
Rost, m—rust; grid; grillage; grate
rosten, v—to rust
rostig, adj.—rusty
Rostzuschlag, m—increase in thickness of metal to allow for rust
rotieren, v—to rotate
routiniert, adj.—experienced
Rpf., m—(Reichspfennig) penny (one-hundredth of a mark)
ruckartig, adj.—jerky
Rückprall, m—rebound
Rückschlag, m—recoil; reaction
Rückstand, m—residue
Rückstoss, m—recoil; reaction
ruckweise, adv.—by jerks
ruhig, adj.—quiet; undisturbed; calm
Rührwerk, n—agitating device (or mechanism)
rund, adj.—round
Rundeisen, n—round steel (iron) bar
Runse, f—gully; recently eroded valley
Rüstmaterial, n—scaffold material
rütteln, v—to shake; to vibrate
Rutschung, f—slip; slide; land-slide
Rüttelverfahren, n—vibration process

sachlich, adj.—pertinent; objective
Sachverständiger, m—expert
Säge, f—saw
Sägedach, n—saw-tooth roof
Sägemehl, n—sawdust
Sägespäne, m (pl.)—sawdust
Salzungsmethode, f—salt (velocity) method
Sand, m—sand
Sandfang, m—sand-trap
Sandgrube, f—sand-pit
Sandstrahl, m—sand-blast
sanitär, adj.—sanitary
Sanitätsbehörde, f—health commission
sättigen, v—to satisfy; to saturate
Sättigung, f—saturation
Satz, m—principle; law; theorem; sediment; sentence
Sauerstoff, m—oxygen
Saugleitung, f—suction line
Saugrohr, n—suction pipe; draft tube
Säule, f—column
Säulenfuss, m—column base
Säulenkopf, m—column head
Säure, f—acid
säurefest, adj.—acid-resisting

Schabeisen, n—(iron) scraper
Schablone, f—pattern; jig; template; stencil
Schacht, m—(mine) shaft
schaden, v—to damage; to injure
Schaden, m—damage; injury
schadhaft, adj.—damaged; defective; faulty
schädlich, adj.—injurious; detrimental
Schale, f—shell; bowl; dish
schalldicht, adj.—soundproof
Schaltbrett, n—switchboard
Schalter, m—switch; counter
Schaltpult, n—switchboard; control-desk
Schalung, f—forms (for concrete); sheathing
scharf, adj.—sharp; severe; rigorous; precise
Scharnier, n—hinge
Scharriereisen, n—scarifier; toothed chisel
schätzen, v—to estimate
Schätzung, f—estimate
Schaufel, f—shovel; (turbine) blade; vane; bucket
Scheibe, f—slice; disc; pane; pulley wheel
Scheide, f—case; sheath; (water) divide
scheiden, v—to separate
Scheidewand, f—partition (wall)
Scheinwerfer, m—searchlight; headlight; spotlight
Scheitel, m—crown; top; vertex
Scheitelkanal, m—canal which crosses a water divide
Schenkel, m—side (of angle)
Schere, f—shears; scissors
Scherkraft, f—shearing force
Schicht, f—layer; stratum; shift
Schiebebühne, f—movable platform (or scaffold)
Schiebedreieck, n—(drafting) triangle
Schiebedruck, m—separation-pressure
schieben, v—to slide; to push
Schieber, m—slide; sliding part; (gate) valve
Schiebtruhe, f—(push) cart
Schiebung, f—shearing deformation; shifting
schief, adj.—oblique; tilted
Schiefer, m—slate
schiefwinklig, adj.—tilted; with obtuse angle
Schiene, f—rail
Schienenstoss, m—rail-joint
Schienenstrang, m—(railroad) track
schiessen, v—to shoot; to blast; to flow (with velocity greater than critical value)
Schiffahrt, f—navigation
schiffbar, adj.—navigable
Schiffshebewerk, n—ship-lifting device for transfer between canal sections of different water level
Schiffsladung, f—cargo
Schilf, n—reed
Schlachthof, m—meat-packing plant
Schlacke, f—slag; cinders
Schlag, m—blow; impact
Schlaghaube, f—driving cap (on pile)
Schlagmühle, f—crushing mill; crusher; breaker
Schlagwirkung, f—impact effect
Schlamm, m—mud; sludge; silt
Schlammanalyse, f—mud (silt, sludge) analysis; analysis with hydrometer
Schlammbeet, n—sludge bed
Schlammbelebung, f—sludge-activation
Schlammteich, m—sludge bed
Schlauch, m—tube; hose
Schlauchwage, f—leveling instrument consisting of water-filled hose with short glass tubes inserted in each end
Schlegel, m—sledge; mallet
Schleife, f—bow; loop
schleifen, v—to grind; to sharpen; to drag
schleppen, v—to drag; to pull (along)
Schlepper, m—tugboat; tractor
Schleppkraft, f—tractive force
Schleuse, f—(ship) lock; sluice
schlicht, adj.—simple; plain; smooth
Schlick, m—mud; clay

schliessen, v—to close; to shut; to lock
Schliesskopf, m—rivet head formed in driving
Schliff, m—polish
Schliffbild, n—polished section
Schlitznaht, f—slot seam; slot (or plug) weld
Schloss, n—lock; castle
Schlosser, m—locksmith
Schlot, m—chimney; smokestack
Schluff, m—silt
Schluss, m—end; finish; closing; conclusion
Schlüssel, m—key; wrench
Schlüsselweite, f—diameter of circle circumscribed about a nut
Schlusslinie, f—closing line
Schlusstein, m—closing stone; keystone
schmal, adj.—narrow; small
Schmalspur, f—narrow gage (track)
schmelzen, v—to melt; to fuse
Schmelzerei, f—smelter; foundry
Schmelzpunkt, m—melting point; fusion point
Schmelzschweissung, f—fusion welding
Schmied, m—blacksmith
schmiedbar, adj.—malleable
Schmiedeeisen, n—wrought iron
schmieden, v—to forge
Schmiermittel, n—lubricant
Schmirgel, m—emery
Schneckengetrieb, m—worm-gear drive
Schneegitter, n—snow guard (or fence)
Schneidbrenner, m—cutting torch
schneiden, v—to cut
Schneidflamme, f—cutting flame
Schnitt, m—cut; section
Schnittfläche, f—surface of cut
schon, adv.—already
Schornstein, m—chimney; funnel
Schott, n—bulkhead
Schotter, m—broken stone; crushed rock
schraffiert, adj.—cross-hatched
schräg, adj.—oblique; slanting; transverse
Schräge, f—slope; haunch (on beam)
Schrägeisen, n—bent-up bar; diagonal bar
Schraube, f—screw; propeller; bolt
Schraubenlinie, f—helix; spiral
Schraubenzieher, m—screwdriver
Schraubstock, m—vise
Schreiner, m—cabinet maker; carpenter
Schrumpfgrenze, f—shrinkage limit
Schub, m—shear; push
Schubmodul, m—shearing modulus (of elasticity)
Schubbewehrung, f—shear (diagonal tension) reinforcement
Schubspannung, f—shearing stress
Schubzahl, f—shear coefficient (reciprocal of shearing modulus of elasticity)
schürfen, v—to excavate; to dig; to prospect
Schürfloch, n—test-pit
Schurz, m—apron
Schutt, m—refuse; rubbish
schütteln, v—to shake; to vibrate
Schüttelverfahren, n—vibration method
Schuttkegel, m—debris cone; alluvial cone
Schüttung, f—fill; ballast
Schutzbrille, f—goggles; protective glasses
Schütze, f—sluice gate
schützen, v—to protect; to shelter; to guard
Schutzmittel, n—protective agent; preservative
Schutzvorrichtung, f—safety device
schwach, adj.—weak; feeble
Schwachstrom, m—low-voltage current
Schwall, m—swell; wave caused by sudden change in quantity of flowing water
Schwebebahn, f—cableway; aerial railway
Schwebestoff, m—material in suspension
Schwefel, m—sulphur
Schwefelsäure, f—sulphuric acid
Schweissdraht, m—welding rod
Schweisseisen, n—wrought iron

schweissen, v—to weld
Schweissgerät, n—welding apparatus
Schweissgut, n—welding material; weld metal
Schweisslage, f—pass of welding material; weld layer
Schweissnaht, f—welded seam; weld
Schweissung, f—welding
Schweisswasser, n—water of condensation
Schwellbeiwert, m—coefficient of swelling
Schwelle, f—threshold; base plate; (railroad) tie
schwellen, v—to swell
Schwenkkran, m—jib crane
schwer, adj.—heavy; difficult; severe
Schwerachse, f—centroidal axis
Schwere, f—weight; gravity
Schwergewichtsmauer, f—gravity retaining wall
Schwerkraft, f—gravity
Schwerpunkt, m—center of gravity
Schwimmkasten, m—floating caisson
Schwimmsand, m—quicksand
schwinden, v—to shrink
Schwingung, f—vibration; oscillation
Schwung, m—swing; momentum
Schwungkraft, f—centrifugal force
Schwungrad, n—fly-wheel
Sechseck, n—hexagon
Segmenttor, n—segmental gate; radial gate; "Tainter" gate
Sehne, f—chord
Seil, n—rope
Seilbahn, f—ropeway; cableway
Seileck, n—string polygon; funicular polygon
Senkbrunnen, m—dry open caisson
Senkel, m—plumb-bob; plummet
senken, v—to sink; to lower
Senkkasten, m—caisson
Senkniet, n—countersunk rivet
senkrecht, adj.—vertical; perpendicular; normal
Senkung, f—settlement; sinking
Serpentinieren, n—meandering
setzen, v—to place; to put; to settle
Setzkopf, m—head on undriven rivet
Setzprobe, f—slump test
Setzung, f—settlement
Setzwage, f—triangle with plumb line attached to one apex and the opposite side graduated for use in setting slopes; level
Sheddach, n—saw-tooth roof
sicher, adj.—secure; certain; safe
Sicherheit, f—safety; assurance
Sicherheitstor, n—emergency gate
Sicherheitszahl, f—factor of safety
Sicherung, f—stabilization; guarantee; provision; safety-catch
Sickerbecken, n—filter basin
sickern, v—to trickle; to leak; to seep
Sickerung, f—seepage; trickling
Sieb, n—sieve; screen
sieben, v—to sift
Siebkurve, f—sieve analysis curve; grain size curve
Siel, n—culvert; sluiceway (or other passageway) through a levee
sinken, v—to sink; to drop
Sinkstoff, m—sedimentary material in suspension
Sinn, m—sense; tendency; significance
Sinnbild, n—symbol
Sinus, m—sine
Skala, f—scale
Skizze, f—sketch
Sohle, f—sole; base; bottom; (river) bed
Sollwert, m—theoretical (or nominal) value
sonder, prep.—without
Sondiereisen, n—sounding rod
Sondierstollen, m—exploration tunnel
sorgfältig, adj.—careful
Spalt, m—crack; crevice; fissure
spannen, v—to stretch; to put under stress
Spannkraft, f—total stress (as in truss member)
Spannung, f—stress
Spannweite, f—span
Sparbeton, m—lean concrete
Sparren, m—rafter
Sparschleuse, f—(ship) lock in which water is reused

Spatel, m—trowel; spatula
Spaten, m—spade
Speicher, m—warehouse; storage place; reservoir
Speicherwerk, n—(power) plant with facilities for pumping to storage pond.
Speiseanschluss, m—supply-connection
Spengler, m—sheet-metal worker
Sperrholz, n—plywood
Spezialeisen, n—deformed bar; special rolled steel bar
spezifiches Gewicht, n—specific gravity
Spiegel, m—mirror; (water) surface; water level
Spiegelapparat, m—mirror apparatus; mirror and scale extensometer
Spiegelgefälle, n—slope of (water) surface
Spielraum, m—scope; tolerance; clearance
Spiralbohrer, m—auger
Spirale, f—spiral; (turbine) scroll-case
Spitze, f—point; peak; summit
Spitzenbelastung, f—peak load
Spitzenentnahme, f—peak discharge (or demand)
Spitzmeissel, m—pointed chisel
spitzwinklig, adj.—with acute angle
Splint, m—key; peg; bar; strip
Splitt, m—a fine gravel; broken stone
sprengen, v—to spray; to break open; to blast
Sprenger, m—sprinkler; blaster
Sprengstoff, m—explosive
Spritzverfahren, n—spray (or squirt) process
spröde, adj.—brittle
Sprödigkeit, f—brittleness
Sprosse, f—rafter; (ladder) rung
Spundbohle, f—sheet-piling
Spundung, f—bulkheading; tongue and groove joint.
Spundwand, f—sheet-piling; bulkhead; cutoff wall
Spurlager, n—hemispherical-bearing support
Spurweite, f—(track) gage
Stab, m—staff; bar
Stabeisen, n—steel (iron) bar
stabil, adj.—stable
Stabzugverfahren, n—graphical method (Müller-Breslau) for determining joint deflections in a truss
Stacheldraht, m—barbed wire
Städtebau, m—city planning
städtisch, adj.—municipal
Stadtrat, m—city council; alderman
Stahl, m—steel
Stahlbau, m—steel construction
Stahlguss, m—cast steel
Stampfbeton, m—a dry mix of concrete requiring tamping
stampfen, v—to tamp; to consolidate
Stand, m—condition; stand; position; rank
Ständer, m—stud; post
Stange, f—bar; pole; stake
Stangenflügel, m—current meter held in position by means of a rod
Stanzmaschine, f—punch press; stamping machine
stark, adj.—strong; thick; violent
Stärke, f—strength; thickness
Starkstrom, m—high-voltage current
Statik, f—statics
Statiker, m—one who analyzes (and designs) structures
statisch, adj.—statical
statisch unbestimmt, adj.—statically indeterminate
Stativ, n—tripod; stand
Staub, m—dust
Staubecken, n—reservoir
Stauchdruck, m—bearing pressure; compression
stauchen, v—to upset (rod)
Stauchung, f—upsetting; compression; bearing
Staudamm, m—earth dam (or dike)
stauen, v—to dam up; to store
Staulinie, f—backwater curve
Staumauer, f—masonry dam
Stauteich, m—reservoir; storage pond
Stauwasser, n—backwater
Stauweiher, m—reservoir; storage pond

Stauziel, n—maximum permissible water level in reservoir
St. 37, n—(Stahl 37) steel with ultimate strength of 37 kilograms per square millimeter
Steg, m—walkway; passage; web; stem
Stehblech, n—web plate
Stehbolzen, m—separator (or spacer) bolt
steif, adj.—stiff; rigid
Steifigkeitszahl, f—coefficient of rigidity (EI)
Steifrahmen, m—rigid frame
Steighöhe, f—rise
Steigung, f—rise; slope
steil, adj.—steep
Stein, m—stone; rock; block
Steinbruch, m—quarry
Steindecke, f—concrete and hollow tile slab
Steinhauer, m—stone-mason; stone cutter
Steinmehl, n—rock dust
Steinschlag, m—crushed rock
Steinschraube, f—screw (or bolt) for anchorage in masonry
Steinzeug, n—clay tile
Steinwolf, m—wedges for lifting stones; "Lewis" pins
Stelle, f—place; position; site
stellen, v—to place; to put; to adjust; to supply
Stellschraube, f—adjusting (leveling) screw
Stellung, f—situation; position; job
Stellvertreter, m—representative; proxy
Stellwerk, n—(railroad) signaling device
Stemmtor, n—gate pivoting about vertical axis along one edge
Sternwarte, f—observatory
stetig, adj.—constant; steady
Steueranlage, f—control arrangement; steering mechanism
Stich, m—puncture; piercing; rise-to-span ratio of arch; stitch
Stichboden, m—soil that may be excavated by use of a spade
Stichkanal, m—cutoff canal; cross-intersecting canal
Stichprobe, f—random sample
Stickstoff, m—nitrogen
Stiel, m—stem; stud; post; handle
Stift, m—pin; peg
Stirnnaht, f—front seam; transverse weld
Stock, m—stick; story (of building)
Stockwerk, n—story (of building)
Stockwerkrahmen, m—multiple-story (rigid) frame
Stoff, m—material; matter; subject
Stoffgewicht, n—weight of material; (specific gravity)
Stollen, m—tunnel; penstock; conduit
Stollenzimmerung, f—tunnel timbering
Stoss, m—impact; blow; splice
Stössel, m—tamping (or ramming) tool; pestle
stossen, v—to push; to shove; to splice
Stossfanger, m—buffer; shock absorber
Strahl, m—ray; jet
Strand, m—beach; shore
Strasse, f—road; highway; street
Strassenbahn, f—street-railway
Strassenbau, m—highway engineering (or construction); road building
Strasseneinlauf, m—catch-basin; street-drainage inlet
Strassenreinigung, f—street-cleaning
Strebe, f—strut; post; prop
Strebepfeiler, m—buttress
strecken, v—to stretch; to elongate
Streckenlast, f—load distributed over a length
Streckgrenze, f—yield point
Streckmetall, n—expanded metal; metal mesh
Streifen, m—bar; strip
Streifen, n—touching; grazing
streifen, v—to touch; to graze; to border upon
Strom, m—stream; river; current
strömen, v—to stream; to pour; to flow (with velocity less than the critical value)
Stromerzeuger, m—electric generator
Stromstrich, m—stream thread; stream course
Strömung, f—flow; current

Strömungslehre, f—(theoretical) fluid dynamics
Stuck, m—stucco
Stück, n—piece; portion; fragment
Stufe, f—step; increment
Stufenstoss, m—splice effected gradually over length of member
stufenweise, adv.—by increments; gradually
Stumpfnaht, f—blunt seam; butt weld
Sturz, m—collapse; crash; fall
Sturzbett, n—tumble bay; bucket of overflow weir
stürzen, v—to fall; to tumble; to plunge; to overthrow
Sturzregen, m—intense (local rain of short duration
Stütze, f—support; prop
Stutzen, m—stub; nozzle
stützen, v—to support; to prop; to shore up
Stützlinie, f—line of pressure (in masonry analysis)
Stützmauer, f—retaining wall
Stützpunkt, m—support; triangulation station
Stützweite, f—span

Talsperre, f—dam
Talweg, m—line connecting points of greatest depth along stream course
Tangens, m—tangent (of an angle)
Tangente, f—tangent (line)
Tannenholz, n—fir-wood
Tätigkeit, f—activity; action
Tau, m—dew
Tau, n—rope
tauchen, v—to dive; to dip; to plunge
Taucher, m—diver
Tauchwand, f—baffle; wall extending a short distance above and below water surface to catch debris
tauen, v—to thaw
Taupunkt, m—dew-point
Tausendstel, n—thousandth
Teer, m—tar
Tegel, m—clay; marl
Teich, m—pond
teilen, v—to divide; to separate
Teilgebiet, n—portion; branch (of subject)
Teilkreis, m—divided circle; lower plate of transit
Teilstoss, m—partial splice
Teilung, f—division; sharing
Teilzeichnung, f—detail drawing
tief, adj.—deep; profound
Tiefbau, m—construction below ground level
Tiefe, f—depth
Tiefgang, m—draft (of ships)
Tischler, m—cabinet-maker; carpenter
Titel, m—title; degree
Tobel, m—gulch; ravine
Ton, m—clay; sound; note
Tonerde, f—pure clay; alumina; argillaceous earth
Tonnengewölbe, n—barrel arch
Topf, m—pot
Töpferei, f—pottery
Tor, n—gate
Torf, m—peat
Torkretverfahren, n—process for pumping dry mix of cement and aggregate to a nozzle where water is added and the resulting concrete squirted into place
Tosbecken, n—stilling basin
tragbar, adj.—portable
tragen, v—to carry; to support
Träger, m—beam; girder
Trägerlose-Decke, f—flat slab
Trägerwellblech, n—load-bearing corrugated plate
tragfähig, adj.—able to support load
Tragfähigkeit, f—load-bearing capacity
Trägheitsmoment, n—moment of inertia
Trägheitsradius, m—radius of gyration
Tragkraft, f—load-bearing capacity
Tragstab, m—supporting member; main (tensile) reinforcing bar
Tramwagen, m—street-car
Trapez, n—trapezoid
treiben, v—to drive; to propel; to drift; to swell
Treibholz, n—driftwood
treideln, v—to tow
Treidelweg, m—tow-path

Trennungsfuge, f—separation joint; expansion joint
Trennverfahren, n—separate (sanitary) system
Treppe, f—stairs
Treppenabsatz, m—stair landing
Treppenhaus, n—stair case; stair well
Treppenwange, f—stair stringer
Trichter, m—funnel; tremie; crater
Triebkraft, f—motive power
Triebsand, m—fine sand; quicksand
Triebwerk, n—driving mechanism
Triftrechen, m—rack for collecting logs transported by stream
Trinkwasser, n—potable water
trocken, adj.—dry
Trockenläufer, m—water meter with mechanism and indicator operating (dry) in air
Trockenlegung, f—unwatering; draining
Trockenpflaster, n—"dry" pavement (laid without mortar)
Trog, m—trough; chute
Trommel, f—drum
Trottoir, n—sidewalk
tun, v—to do; to perform; to place
Tür, f—door
Turm, m—tower
Turmhaus, n—tall building; skyscraper
Türsturz, m—lintel beam over door opening

über, prep.—over; above; across
Überbau, m—superstructure
Überführung, f—overhead structure (at road intersection); carrying-over
Übergang, m—transition; transfer; passage; crossing
Überhöhung, f—camber; super-elevation
Überlauf, m—overflow
Überschlag, m—estimate
Überschüttung, f—(earth) fill
Übersetzung, f—translation; reduction; (gear or lever) ratio
überwachen, v—to guard; to inspect
überzählig, adj.—superfluous; redundant
U-Eisen, n—channel iron; rolled steel channel
Ufer, n—shore; bank
Uferschutz, m—shore protection; revetment
Ulmenholz, n—elm-wood
um, prep.—around; about; by; for
um, conj.—in order to
Umbau, m—alteration
umdrehen, v—to turn around; to rotate
Umdrehungskörper, m—body of revolution
Umdrehzahl, f—number of revolutions (per minute)
Umfang, m—periphery; perimeter
umfassend, adj.—comprehensive; extensive
Umflutkanal, m—diversion channel
Umkleidung, f—coating; covering; fireproofing
Umlaufstollen, m—diversion tunnel
Umriss, m—outline
umschliessen, v—to enclose
Umschliessungsbügel, m—circumferential reinforcement; (spiral steel in concrete columns)
Umwandlung, f—transformation; conversion
Umwehrung, f—circumferential reinforcement
unbestimmt, adj.—indeterminate; uncertain; unspecified
unendlich, adj.—infinite
unfrei, adj.—restrained
Ungleichförmigkeit, f—non-uniformity; irregularity
unmittelbar, adj.—direct
unter, prep.—under; below; among
Unterbau, m—substructure
Unterfangung, f—underpinning
Unterführung, f—undercrossing structure (at road intersection)
Untergrund, m—foundation soil; subsoil
Untergurt, m—lower chord (of truss or girder)
Unterhaltung, f—maintenance; holding-under; conversation
Unterlage, f—base; data; support
Unterlagsplatte, f—washer; base slab (or plate); drop panel (in flat slab)

Unternehmer, m—contractor
unterspülen, v—to underscour
Unterwasser, n—tailwater
unterwasser, adv.—below water surface
Unterzug, m—beam
usw—(und so weiter); et cetera; etc.

V. D. I., m—(Verein Deutscher Ingenieure) Society of German Engineers
Ventil, n—valve
Verankerung, f—anchoring
veranschlagen, v—to estimate
Verband, m—association; connection; (brick) bond; bracing
Verbeulung, f—bulging; wrinkling; buckling
Verbiegung, f—bending; twisting
verbinden, v—to connect; to combine
Verbindung, f—connection; combination; communication
Verblendbau, m—veneer construction
Verbrauch, m—consumption
verdichten, v—to compact; to consolidate
verdrehen, v—to twist; to rotate; to distort
Verdrehung, f—twist; rotation
verdünnen, v—to thin; to dilute
verdunsten, v—to evaporate
Verdunstung, f—evaporation
Verein, m—society; association
Verengung, f—contraction; narrowing down; necking
Verfahren, n—process; procedure
Verfasser, m—author
vergleichen, v—to compare; to refer to
vergrössern, v—to enlarge; to magnify
Vergütung, f—compensation
Verhalten, n—behavior
Verhältnis, n—ratio; condition; relationship
Verkehr, m—traffic; commerce
Verkehrslast, f—live-load
Verkehrswasserbau, m—waterway construction or engineering (for navigation)
Verkehrswesen, n—transportation; traffic
verkleiden, v—to cover; to veneer; to pave
Verlag, m—publishing house
Verlandung, f—silting-up
verlängern, v—to elongate; to extend
verlaschen, v—to splice
verlegen, v—to misplace; to postpone; to lay; to shift; to publish
Verleger, m—publisher
Verlegung, f—transfer; postponement; shift; relocation
verlieren, v—to lose
verlöten, v—to solder
Verlust, m—loss
Verlusthöhe, f—amount of loss; head loss
Vermessung, f—surveying; measurement
vermieten, v—to rent
vernieten, v—to rivet
verpachten, v—to lease
Verputz, m—finish; coating; veneer; stucco
Verschalung, f—form; mold
Verschiebung, f—shearing; sliding; deflection
Verschleiss, m—wear
verschliessen, v—to lock; to close
verschmelzen, v—to fuse
versenken, v—to sink
versenkt, adj.—sunk; countersunk
Versetzung, f—displacement; (rivet) staggering
Versickerung, f—seepage
verstärken, v—to strengthen; to reinforce
verstellbar, adj.—adjustable
versteifen, v—to stiffen; to shore up
verstemmen, v—to wedge over; to pry over; to tamp
Versuch, m—test; trial; attempt; experiment
versuchen, v—to test; to try
Versuchsanstalt, f—testing laboratory
Versuchsreihe, f—test series
verteilen, v—to distribute
Verteilung, f—distribution
Verteilungseisen, n—spacer-bar
Vertrag, m—contract; agreement
Vertrieb, m—distribution; sale

vervollkommnen, v—to perfect
Verwaltung, f—administration; management
Verwitterung, f—weathering
verzahnen, v—to indent; to tooth
verzapfen, v—to mortise
verzerren, v—to distort
verzerrt, adj.—distorted
verzinkt, adj.—galvanized; toothed
vgl., v—(vergleiche); compare; see; refer to
v. H.—(von Hundert) per hundred
vibrieren, v—to vibrate
Vieleck, n—polygon
Viereck, n—quadrilateral
Visierachse, f—line of sight
visieren, v—to sight; to adjust; to gage
Visierstab, m—range pole; gage rod
Visitiereisen, n—sounding rod
visitieren, v—to search; to inspect
Volkswirtschaft, f—political economy
voll, adj.—full; entire
völlig, adj.—full; entire
vollspurig, adj.—(railroad track) of standard gage
vollständig, adj.—complete
vollwandig, adj.—with solid web, with solid wall
Volumen, n—volume
von, prep.—from; by; of
vor, prep.—before; in front of; ago
Voranschlag, m—(preliminary) estimate
Vorarbeiter, m—foreman
Voraussetzung, f—assumption; hypothesis
Vorentwurf, m—preliminary design
Vorfluter, m—main canal (or ditch) in system; channel into which sewage is discharged
Vorhof, m—front-yard; fore-bay
Vorlesung, f—(university) lecture
Vorrichtung, f—device; arrangement
Vorschriften, f (pl.)—instructions; code; specifications
Vortrag, m—lecture
Vortrieb, m—advance
Vorzeichen, n—(plus or minus) sign
Voute, f—haunch (of beam)
Voutenplatte, f—haunched slab
v. T.—(von Tausend) per thousand
Waage, f—scale; balance
Wabe, f—honeycomb
wabenartig, adj.—honeycombed
Wage, f—scale; balance
wagen, v—to risk; to venture; to dare
Wagen, m—wagon; car; cart; carriage
wägen, v—to weigh, to consider; to balance
wagerecht, adj.—horizontal
wählen, v—to select; to choose; to elect
wahr, adj.—true; correct; genuine
währen, v—to continue; to last
wahren, v—to preserve; to maintain; to take care of
während, prep.—during; while
wahrnehmen, v—to observe; to perceive
wahrscheinlich, adj.—probable; likely
Wahrscheinlichkeit, f—probability
Wahrung, f—maintenance
Wald, m—forest
Wall, m—rampart; dam; levee
Walzblech, n—rolled plate; sheet metal
Walze, f—roller; cylinder; shaft
walzen, v—to roll; (to compact with roller)
Walzenwehr, n—roller weir; roller gate
Walzträger, m—rolled (steel) beam
Walzwerk, n—rolling-mill
Wand, f—wall
wandernd, adj.—moving; traveling
Wandpfeiler, m—pilaster
Wärme, f—heat
Warte, f—observation-tower; observatory
Waschanstalt, f—laundry
Wasser, n—water
Wasseraufnahme, f—absorption of water
Wasserbau, m—hydraulic construction; hydraulic engineering
Wasserbehälter, m—reservoir; cistern; (water) tank
wasserdicht, adj.—watertight; waterproof
wasserdurchlässig, adj.—pervious to water

Wasserfracht, f—discharge; water-freight
Wassergehalt, m—water-content
Wasserkarte, f—hydrographic chart
Wasserkeller, m—covered (water) reservoir at or below ground level
Wasserkessel, m—boiler; kettle
Wasserklemme, f—water-shortage
Wasserlauf, m—watercourse
Wasserscheide, f—water-divide; watershed boundary
Wasserschlag, m—water-hammer
Wasserschloss, n—surge-tank
Wasserspiegel, m—water-surface; water-level
Wassersprung, m—hydraulic jump
Wasserstand, m—water-level
Wasserstoff, m—hydrogen
Wasserstoss, m—water-hammer
Wasserstrasse, f—water-way
Wässerung, f—irrigation
Wasserversorgung, f—supplying of water; water-supply
Wasserverdrängung, f—displacement (in water)
Wasserwage, f—water-balance; carpenters' level; leveling instrument consisting of water-filled hose with short glass tubes inserted in each end
Wasserzusatz, m—water quantity (added)
Weberei, f—textile-mill; weaving
wechseln, v—to change; to alter
Wechselbeanspruchung, f—stress reversal
Wechselstrom, m—alternating current
Weg, m—road; path; manner
Wegebau, m—roadbuilding
wegen, prep.—because of
Wehr, n—weir; dam
Wehr, f—protection; defense; army
weich, adj.—soft; weak
Weiche, f—(track) switch
Weise, f—manner
Weissblech, n—thin (about 0.2 mm to 2.5 mm) sheet metal with tin-treated surface
Weite, f—width; distance
Wellblech, n—corrugated sheet metal
Welle, f—wave; shaft; axle
Wellenbrecher, m—breakwater; splash-board
Wendepunkt, m—turning point; point of contraflexure
Werft, n&f—ship-yard
Werk, n—work; production; action mechanism; works
Werkführer, m—foreman
Werksgraben, m—canal; ditch; open channel
Werkstatt, f—(work) shop
Werkstoss, m—shop-splice
Werkzeug, n—tool
Wetterkunde, f—meteorology
Widder, m—(hydraulic) ram
Widderstoss, m—water-hammer
wider, prep.—against
Widerlager, n—abutment; support
Widerstand, m—resistance
Widerstandshöhe, f—amount of resistance; friction head
Widerstandsmoment, n—(moment of resistance); section modulus
Wiederaufbau, m—reconstruction
Wiederholung, f—repetition
wiegen, v—to weigh
Wildbach, m—torrent
Wildbachverbauung, f—control (or regulation) of torrents
Winde, f—hoist; winch; worm (gear); jack
Windklappe, f—air-valve
Windrose, f—wind-rosette (showing direction and frequency)
Windträger, m—wind-truss; wind-bracing
Windverband, m—wind-bracing
Windwerk, n—winch; hoist
Winkel, m—angle; corner
Winkeländerung, f—angle-change
Winkeleisen, n—angle-iron; rolled (steel) angle
Winkelgeschwindigkeit, f—angular velocity
Winkelstützmauer, f—cantilever retaining wall
Wippe, f—fascine
Wirbel, m—eddy; vortex; whirlpool
wirklich, adj.—real; genuine; true
wirksam, adj.—effective
Wirkung, f—effect; action

Wirkungsgrad, m—effectiveness; efficiency
Wissenschaft, f—science
Wucht, f—pressure; force; kinetic energy
Würfel, m—cube; die
Wurzel, f—root
Wurzelmass, n—gage distance

zackig, adj.—toothed; indented; jagged
zäh, adj.—tough; tenacious; viscous
Zähigkeit, f—toughness; viscosity
Zahl, f—number; factor; coefficient
Zähler, m—numerator; counter
Zahnrad, n—gear-wheel; cog-wheel
Zahnschwelle, f—dentated sill
Zange, f—tongs; pliers; clamp; vise
Zapfen, m—tenon; peg; spigot; trunnion
Zarge, f—frame; door buck
z.B.—(zum Beispiel); for example
Zeichen, n—sign; mark; indication; signal
Zeichenbrett, n—drawing-board
zeichnen, v—to draw; to sketch; to sign
Zeichner, m—draftsman; signer
Zeichnung, f—drawing
Zeitschrift, f—periodical; magazine
zellenförmig, adj.—cellular
Zellkerndamm, m—earth dam with cellular core-wall
Zement, m—cement
Zementbrei, m—cement-paste; neat cement; cement grout
Zementeinpressung, f—pressure injection of cement grout
Zementkuchen, m—cement pat
Zentrum, n—center
Zentrifugalmoment, n—product of inertia; ($\int xy\, da$)
zerdrücken, v—to crush
zerlegen, v—to take apart; to analyze
zerquetschen, v—to crush; to squash
zerreissen, v—to tear
zersetzt, adj.—disintegrated; decomposed
Zeug, n—stuff; material; tools
Zeughaus, n—arsenal
Zeugschmied, m—toolsmith
Ziegel, m—brick; tile
Ziel, n—aim; goal
Ziellinie, f—line of sight
Ziffer, f—number; factor; coefficient
Zifferblatt, n—dial
Zimmerer, m—carpenter
Zimmermann, m—carpenter
zimmern, v—to frame (with wood); to build (with wood)
Zimmerwerk, n—carpentry
Zinke, f—tenon; prong; tooth
Zinn, n—tin
Zirkel, m—circle; compass (for drawing circles)
Zoll, m—inch; (customs) duty
Zollamt, n—custom-house
z. T.—(zum Teil); in part
zu, prep.—to; on; at
Zubehör, n—attachment; accessory
Zug, m—pull; tension; train; course; traverse
Zugband, n—tie-rod; tension member
Zugbrücke, f—draw-bridge
zufällig, adj.—accidental
Zulage, f—increase; extra; framing; platform
zulässig, adj.—allowable; permissible
Zusatz, m—admixture; addition; supplement
Zuschlag, m—addition; extra
Zuschlagstoff, m—aggregate (for concrete)
Zweck, m—aim; object; purpose
zweckmässig, adj.—effective; practical; advantageous
zweifeldig, adj.—over two spans
Zweifeldplatte, f—slab continuous over two spans
Zweig, m—branch
zweigleisig, adj.—double-tracked
zweischnittig, adj.—(bolt or rivet) in double shear
Zweispitze, f—pick; mattock
Zwickel, m—wedge; gusset plate
zwischen, prep.—between
Zwischenstütze, f—intermediate support
Zwischenwand, f—intermediate wall; partition

5. *American Equivalents for Metric Units.*—

Length

1 centimeter = 10 millimeters = 0.3937 inches
1 meter = 100 centimeters = 3.281 feet
1 kilometer = 1000 meters = 0.6214 miles

Area

1 square centimeter = 0.1550 square inches
1 square meter = 10.76 square feet
1 square kilometer = 0.3861 square miles
= 247.1 acres
1 ar = 100 square meters
= 1,076. square feet
1 hectare = 100 ares = 2.471 acres

Weight

1 kilogram = 1000 grams = 2.205 pounds (avoirdupois)
1 metric ton = 1000 kilograms = 1.102 tons (short)

Volume

1 liter = 1000 cubic centimeters = 0.03532 cubic feet
= 1.057 quarts (liquid)
1 cubic meter = 1000 liters = 35.32 cubic feet
= 1.308 cubic yards

Pressure

1 kilogram per square centimeter
= 14.22 pounds per square inch
= 2,048 pounds per square foot
= 0.9678 atmospheres

Power

1 Pferdestärke (P. S) = 75. kilogram meters per second
= 542.5 foot pounds per second
= 0.9863 horse power

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