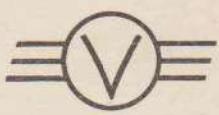




HASSELBLAD
SWEDEN



HASSELBLAD

SWEDEN

www.clubhasselblad.com

VICTOR HASSELBLAD

Aktiebolag

GÖTEBORG - SWEDEN

The drawings show the latest construction of the parts. In exceptional cases it may happen that the part to be exchanged does not correspond exactly with the drawing. In this case, kindly note on your order that the part desired does not conform with the drawing.

At the end of this catalogue are a number of order forms. They are transparent in case any detail has to be traced.

Die Zeichnungen zeigen die letzte Ausführung der Teile. Es kann ausnahmsweise eintreffen, dass der Teil, der ausgetauscht werden soll, nicht genau mit dem Abgebildeten übereinstimmt. Wir bitten Sie in diesem Falle bei Bestellung anzugeben, dass das Detail abweichendes Aussehen hat.

Am Ende des Deckes gibt es Bestellzettel. Sie sind durchsichtig um behilflich zu sein, falls ein Detail abgezeichnet werden soll.

Les dessins montrent la dernière construction des différentes parties. Il se peut exceptionnellement qu'une de vos parties ne corresponde pas exactement à celle du dessin. En ce cas indiquez-nous dans votre ordre quel est le détail différent.

Au dos de la couverture vous trouverez des feuilles de commande. Elles sont transparentes au cas où un détail a besoin d'être copié.

Los dibujos muestran el último sistema de fabricación de las diferentes partes. Por una excepción puede suceder que la parte que haya de cambiarse no sea exactamente igual a la del dibujo. En tal caso, indíquese en la hoja de pedido que el detalle tiene aspecto diferente.

Al final de la carpeta hay varias hojas de pedido. Son transparentes para el caso en que algún detalle necesite calcarse.

Repair guide for the camera body

Fault

C1 Knob cannot be wound, mirror stays up.

C2 Knob cannot be wound, mirror is partly down.

C3 Knob cannot be wound, mirror is down, shutter-curtains partly wound.

C4 Knob can be wound normally. Mirror goes down but curtains do not wind; or else the shutter curtains are released immediately.

C5 Button release does not function. Curtains fully wound but full knob-winding action cannot be completed.

C6 Button release does not function. Mirror completely down.

C7 Automatic exposure action has begun, but cannot continue. Mirror in partly UP-position.

C8 Automatic exposure action has begun, but cannot be completed. Mirror has returned to the UP-position.

C9 Curtains do not give an exposure, or curtain stops within picture area.

Possible Causes

1 Clutch components on shaft (P.5 for 20537) strike against each other, while curtains have not travelled fully.

2 Release assembly (P.3 20526) behind shutter-release-button is stuck.

1 Lifting-stud (P.6 on 12150) stuck against stud on L-arm (P.3 12046).

2 Broken teeth on gear-wheels.

3 Mirror interferes against lens mounting.

4 Pawl for middle gear-wheel (P.7 12087) slips, due to loosened rivet.

1 Broken brake (P.5 12605 and/or 12606) in spring assembly.

2 Shutter mechanism (P.3) blocked or stuck.

1 Clutch components (P.5 on shaft 20537) broken.

2 Catch (P.6 on 12160) does not engage on part P.9 12162.

3 Mirror release arm (P.7 12103) is loose or works stiffly.

4 Mirror-winding-arm (P.2 20688) in knob-mechanism is loose.

1 Clutch (P.5 on shaft 20537) engages a half revolution (or more) too early, after fault C9 has occurred.

1 A fault somewhere in the transmission from winding-knob to lowest gear-wheel in the mechanism. Knob movement for time-setting in faulty position.

2 Mirror release-arm (P.7 12103) is loose or works stiffly. See C4-3.

1 Mirror is loose. This usually applies to the whole group (P.6 12652, 20572, 12761, 20651, 12630) – because the shaft (P.6 12187) has become disengaged from its coupling (P.6 20530).

2 Mirror winding-arm (P.2 20688) does not function correctly with the winding-knob (P.2 20520).

3 Mirror drags against corrugated side walls.

4 Lifting stud (P.6 on 12150) stops against stud on L-arm (P.3 12046); see C2-1. 3-claw device (P.3 20539) works stiffly.

5 Obstruction in winding-knob mechanism (P.2).

1 Spring for 1st curtain broken (right coil-spring (P.5 12367)).

2 Obstruction in shutter mechanism (P.3).

1 Lock (P.3 20539 in shutter mechanism deformed.

2 Jump in bevelled timing-gears (P.3 12048 and P.7 12119).

3 Loose bevelled gear-wheel (P.3 12048) on time-setting-shaft (P.3 12050).

4 Broken curtain-spring (compare with C8-1 and C13-2).

5 Delay-action mechanism (P.4 or 4a) slips or races.

Continued

C

Fault

C10 *Curtains give uneven or wrong exposure.*

Possible Causes

- 1 Stiffness in spring-housing (P.5 12158), curtain shafts, rollers, or shutter-mechanism (P.3).
- 2 Broken spring-catch, visible, but not numbered, to the right of washer (P.3 D-3,55×6,5×A).
- 3 Creases, dents or other defects in curtains. ✓
- 4 Pin in curtain clutch component (P.5 on shaft 20537) out of position.
- 5 Space between curtains and spring-power needs adjusting.

C11 *Under-exposed strip on the negative at the edge opposite the two small notches (that is, under-exposed at the end of exposure).*

- 1 First curtain (P.5 20537) bounces.

C12 *Over-exposed strip on the negative at the edge opposite the two small notches (that is, over-exposed at the end of exposure).*

- 1 Second curtain (P.5 20538) bounces.

C13 *Shutter aperture remains open after completing release action.*

- 1 Second curtain (P.5 20538) split.
- 2 Broken coil-spring (P.5 12367 to the left) of second curtain (P.5 20538).
- 3 Brake for second curtain out of position.
- 4 Delay-action mechanism (P.4) does not release the second curtain.

C14 *Red-white signal does not change.*

- 1 Signal (P.7 20515) works stiffly, or else connecting springs (P.7 VF 40, VF 41) are defective.
- 2 Release assembly (P.3 20526) behind shutter release-button does not return fully to its "ready" position (compare C1-2).

C15 *Film winding trouble.*

- 1 Gear-wheel (P.7 12092) in camera does not mesh with, but strikes top of, teeth of gear-wheel (P.12 12216) in film magazine.
- 2 Catch (P.12 12308) in film magazine is not released by plunging-rod (P.7 12336) in camera.

C16 *Ground-glass image not sharp but blurred.*

- 1 Mirror does not go fully down to its supports (compare C7-3).
- 2 Mirror is loose (compare C7-1).
- 3 Ground-glass (P.6 20548) and Ektalite-field lens (P.6 12360) in wrong position.
- 4 Ground-glass (P.6 20548) and Ektalite-field lens (P.6 12360) defective.

C17 *Lens cannot be locked, or has too much play.*

- 1 Screw-threads damaged.
- 2 Lens lock-release device (P.9 12653) defective.

C18 *Film magazine does not lock securely, or has too much play.*

- 1 Defective back frame (P.9 40102) in camera housing.
- 2 Double hooked top clasp (P.6 12178) defective.
- 3 Bottom hooks (P.1 12184) loosened from their rivets.

C19 *Sports view-finder does not engage properly in bracket on camera body.*

- 1 Bracket (P.1 20571) defective.

C20 *Synchronization faults.*

- 1 Synchronization wrongly set.
- 2 No contact made.
- 3 Short circuit.

Fault*C21 Defects in appearance.***Possible Causes**

- 1 Camera body.
- 2 Lens socket (P.1 30248)
- 3 Winding-knob (P.2 20520)
- 4 Bracket (P.1 20571).
- 5 Covering.
- 6 Creases on the curtains.

C22 General overhauling.

- 1 Adjustments, compare with C10-5.
 - 2 Rebuilding.
-

Repair Guide for the Film Magazine**Fault***M1 Scratches on the film.***Possible Causes**

- 1 Focal-plane rollers defective.
- 2 Film passes over the focal plane with insufficient freedom.

M2 Light leakage.

- 1 Defective light-traps (P.12 12253, 12382, 12259, 12260) for magazine safety-slide (P.12 12519).
- 2 Light leaks in D-shaped track between spool-holder cover and magazine.
- 3 Light leaks between magazine body (P.12 20709) and front plate (P.12 12551).
- 4 Pinhole defects in die-casted magazine body.

M3 Magazine loose or stuck.

- 1 Loose locking-pin located in the center of plate (P.12 30223).
- 2 Defective locking-bar (P.11 12357).

M4 Magazine does not lock on the camera body.

- 1 Locking-bar (P.12 12251) does not function properly.
- 2 Catch (P.12 12257) works stiffly and obstructs locking-bar (P.12 12251).

M5 Magazine has play after being locked to camera body.

- 1 Locking-bar (P.12 12251) fits in too deeply upon double-hooked top-clasp (P.6 12178).
- 2 Play in slots fitting over bottom hooks (P.1 12184).

M6 Movement from winding-knob does not advance the film.

- 1 Gear-wheel (P.12 12216) does not spring back (compare C15-2).
- 2 Spline-couplings (between P.11 12552 and P.12 12209) defective or not in alignment.
- 3 Sheared pin in spline-coupling (P.11 12552).

M7 Wrong film spacing (has the customer checked that magazine has been started at numeral 1?).

- 1 Defective number-spacing arm (P.12 12230).
- 2 Counter-dial (P.12 12220) loosened from its riveted hub.
- 3 Defective catch (P.12 12224) for counter-dial (P.12 12220).

M8 Film cannot be wound on loading.

- 1 Broken coupling-spring (P.12 on 12206). ✓
- 2 Film winds obliquely because film guide is missing.
- 3 Spline-coupling defective, or spline-coupling casing (P.12 in 12209) slips.
- 4 Pin in spline-coupling (P.11 12552) is sheared off (compare M6-3).

M L H

Fault

M9 Red-white signal does not change.

Possible Causes

- 1 Signal (P.12 12235) works stiffly.
- 2 Spring (P.12 DF-57) not in place.

M10 Counter-dial does not stop at numeral 1.

- 1 Catch (P.12 12241) does not function.
- 2 Broken coupling-spring (P.12 VF-27) on center gear-wheel (P.12 12204).
- 3 Counter-dial (P.12 12220) loosened from its riveted hub (compare M7-2).

M11 Defects in appearance.

- 1 Magazine body.

- 2 Magazine front-plate (P.12 12551).

- 3 Covering.

M12 General overhauling.

- 1 Adjustments.

- 2 Rebuilding.
-

Repair Guide for Lenses

Fault

L1 Pre-selecting diaphragm-ring does not function.

Possible Causes

- 1 Ball catch does not function.

L2 Focussing-ring works stiffly.

- 1 Stiffness in screw-threads.

L3 Lens does not fit into camera.

- 1 Diameter (nominally 56.80 mm) is wrong.
- 2 Locating-screw on lens is too long.

L4 Lens cannot be locked to the camera.

- 1 Locating-screw has become loose.
 - 2 Locating-screw wrongly located.
 - 3 Locating-screw is too short.
-

Repair Guide for the Hood

Fault

H1 Outside hood cover does not rise.

Possible Causes

- 1 Frame (P.10 20669) twisted.
- 2 Hood assembly not fully home in its tracks.
- 3 Jointed (P.10 12538) arms of wrong length.

H2 Cover opens too easily.

- 1 Button-catch (P.10 20613) does not grip sufficiently.
- 2 Spring (P.10 12428) is defective.

H3 Magnifying lens does not rise.

- 1 Magnifying lens is loose.
- 2 Spring (P.10 VF-57) is defective.

H4 Magnifying lens rises when hood is opened.

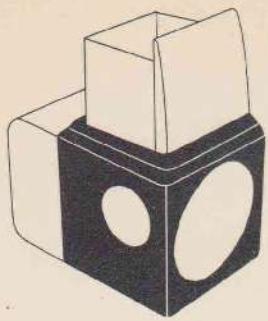
- 1 Defect in button-catch.

H5 Magnifying lens rises too high.

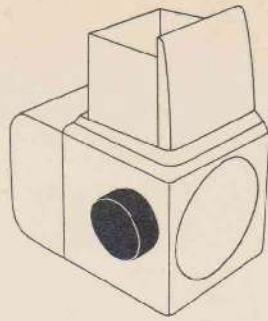
- 1 Wire strut (P.10 12546) too long or loose.

H6 Defects in appearance.

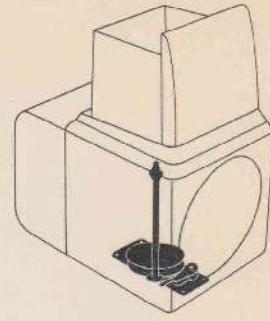
- 1 Outside hood cover (P.10 12548).
 - 2 Side and back panels.
 - 3 Covering (P.10 12148, 12149).
-



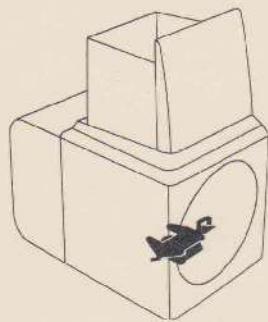
camera case.



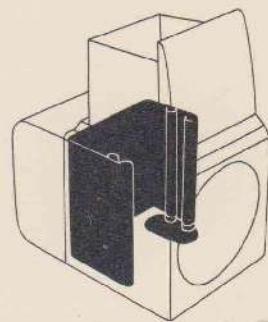
winding Knob Mech.



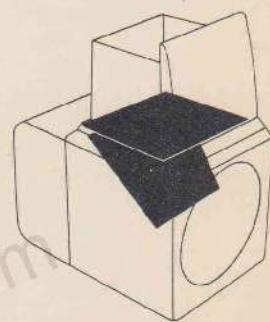
Shutter Mech.



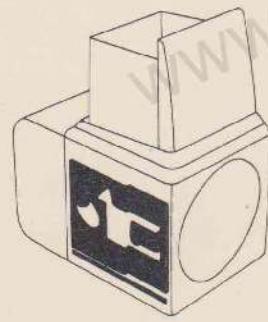
Delay-action Mech.



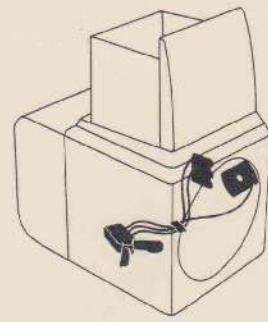
Curtains



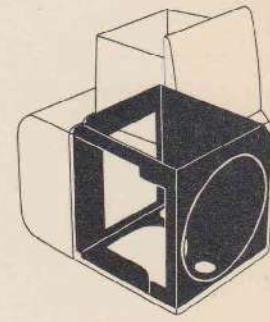
Mirror, Ground Glass



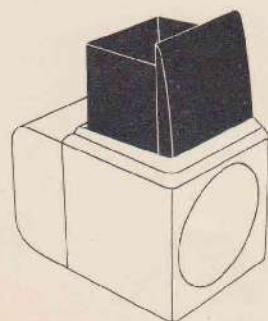
Side plate



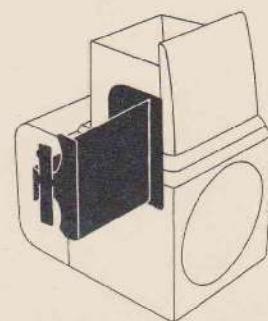
Sync. unit



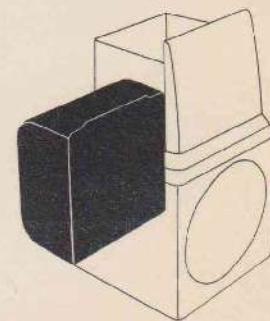
camera Housing



Hood



Mag. Roll-holder



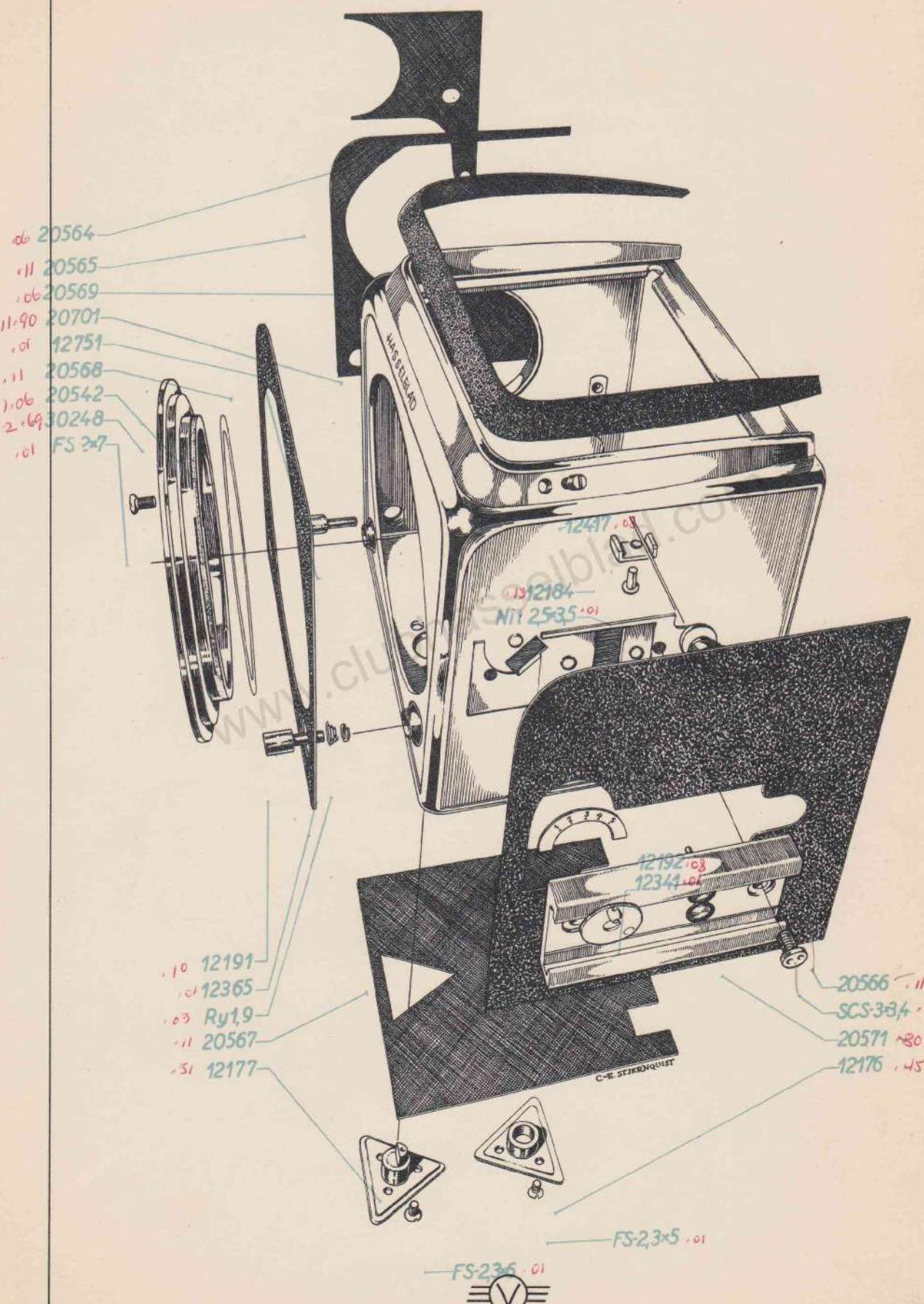
Magazine

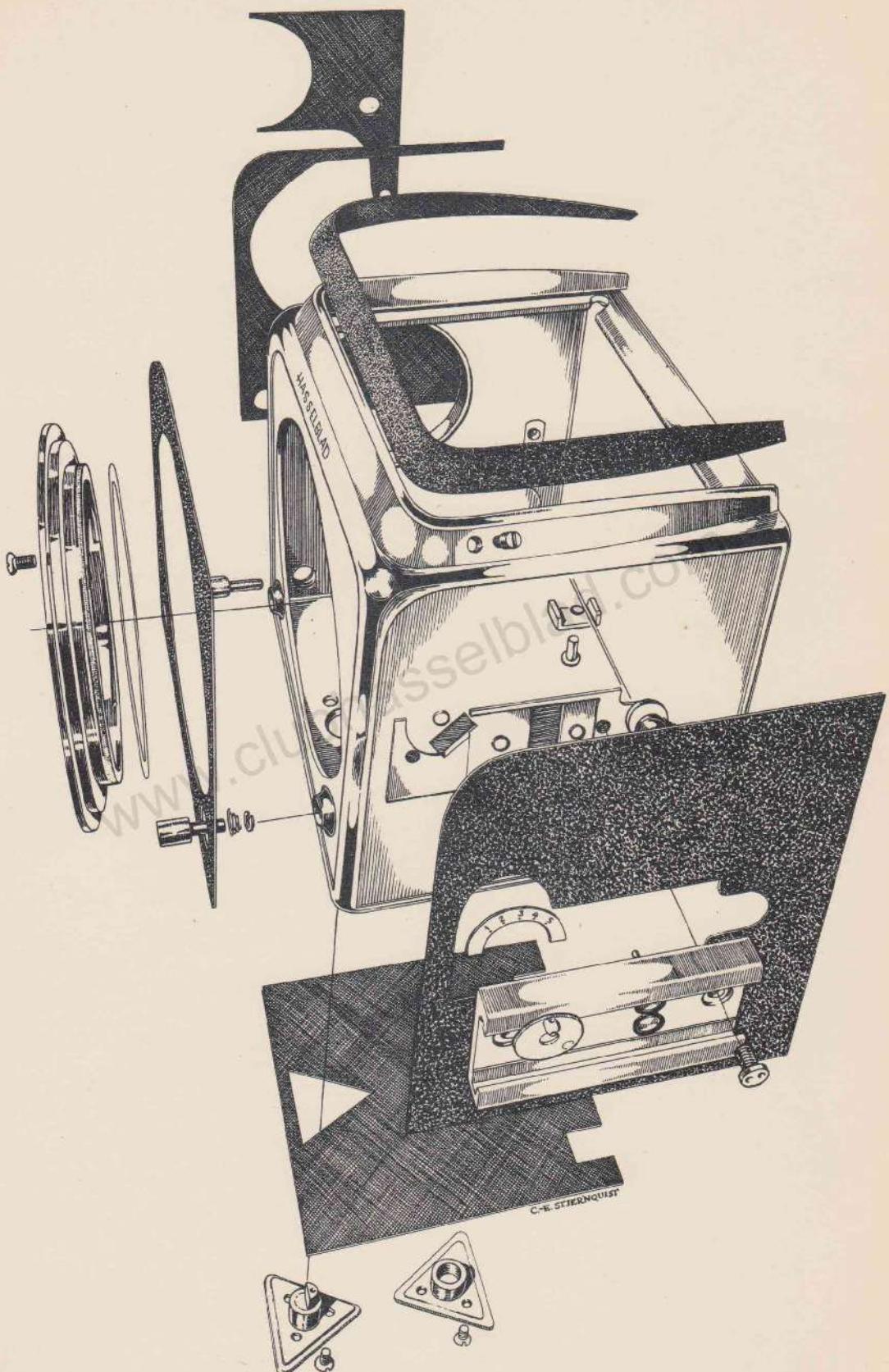
12184	(2)	
12191	(2)	
12365	(2)	
12751	(2)	
Nit-2.5×3.5	(2)	20701
Ry-1.9	(2)	20564
		20565
		20566
		20567
		30216 - 18.45
		20568
		30248
		20569
		20542 (2)
		12192
		20571
		12417 (2) 12176
		12177
		12341
		FS-2×7 (4)
		FS-2.3×5 (3)
		FS-2.3×6 (3)
		SCS-3×3.4 (2)

www.clubhasselblad.com



HASSELBLAD
SWEDEN





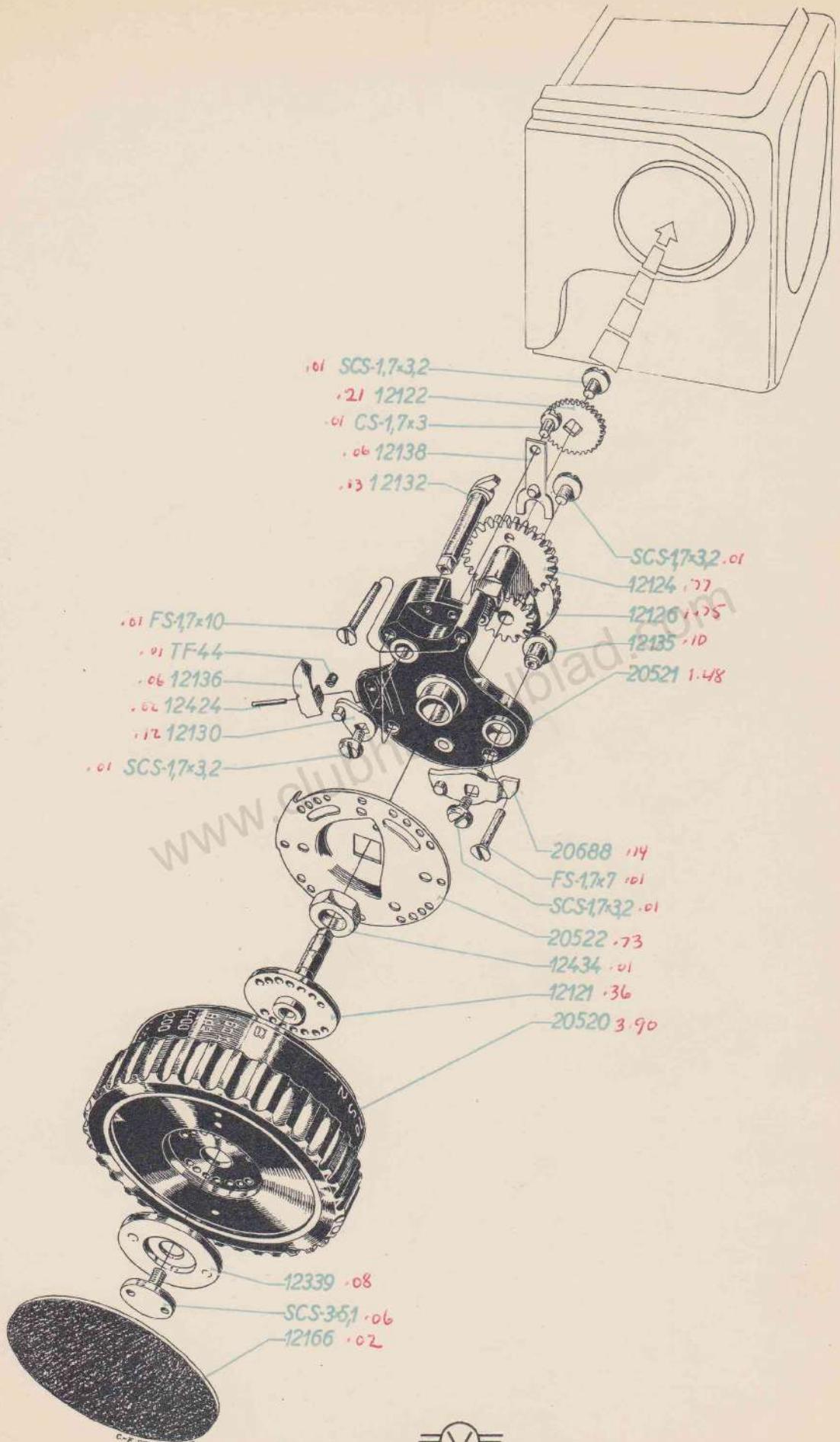
HASSELBLAD

SWEDEN

Printed in Sweden

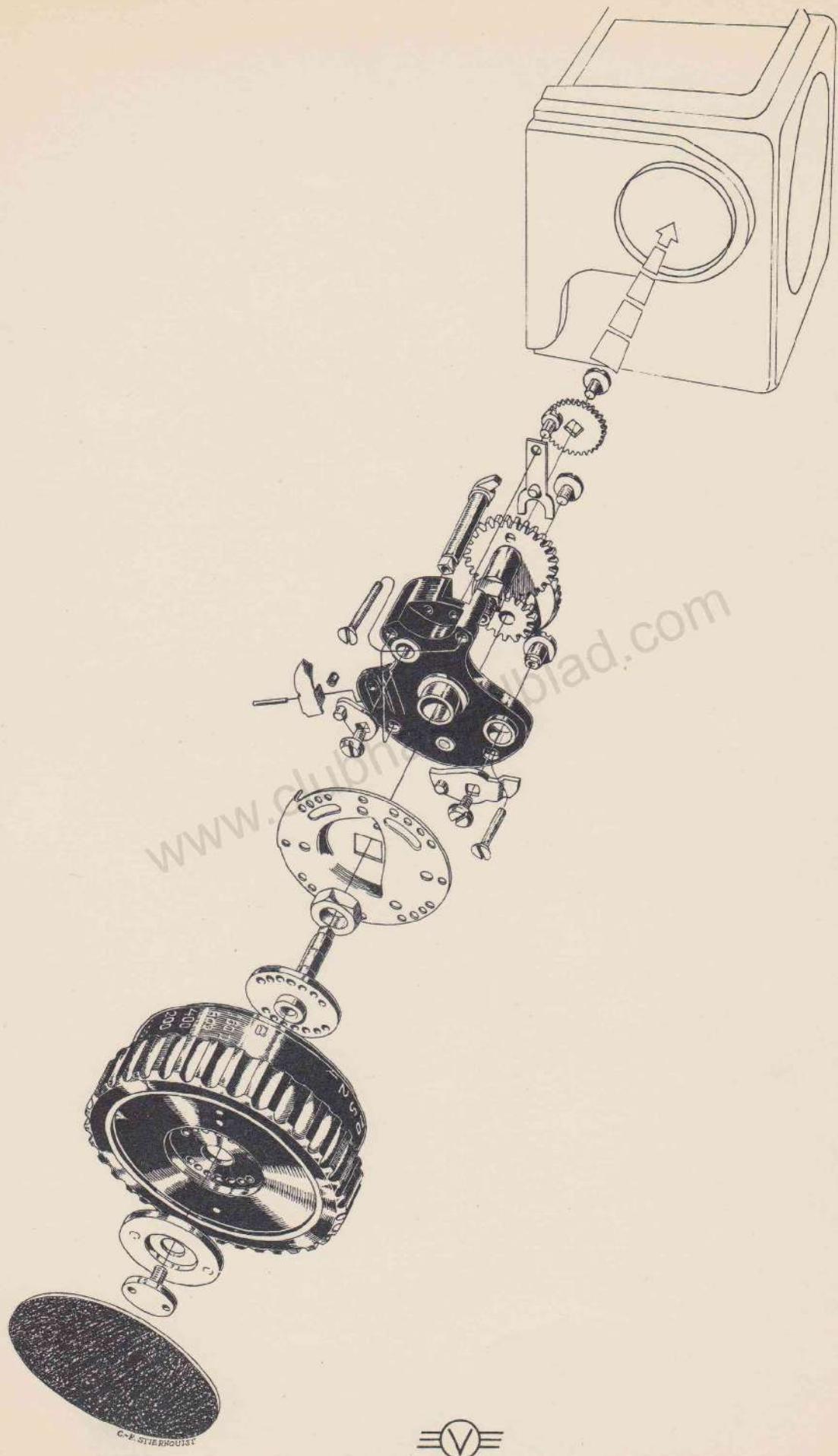
1953-IV

20522		
20688		
12121		
12122		
12124		
12126		
12130		
12132		40106 - 4.89
20521 } 12135		20520 -
12136 } 12138		12166 -
12424 } 12425 - 2.04		12339 -
TF-44 } 12434		SCS-3×5.1 -
	CS-1.7×3	
	FS-1.7×7	
	FS-1.7×10	(3)
	SCS-1.7×3.2	(4)



HASSELBLAD

SWEDEN



C-E STIERHOUSET



HASSELBLAD
SWEDEN

Printed in Sweden

1953-IV

12046	
12048	
12049	
12050	
D-2.55×4.5×0.3	20500
S-0.8×4	20502
S-1×4.5	20508 - 1.68
TF-53	(2)
12044	
12045	
12051	
12615×A	30231 - 19.95
12640	
D-2.25×4×0.2	(2)
D-2.55×4.5×0.05	
D-3.55×6.5×A	
D-4.05×6.5×0.2	
D-4.6×10×0.05	
Ry-1.5	(2)

www.clubhasselblad.com



HASSELBLAD
SWEDEN



HASSELBLAD
SWEDEN

Printed in Sweden

1953-IV

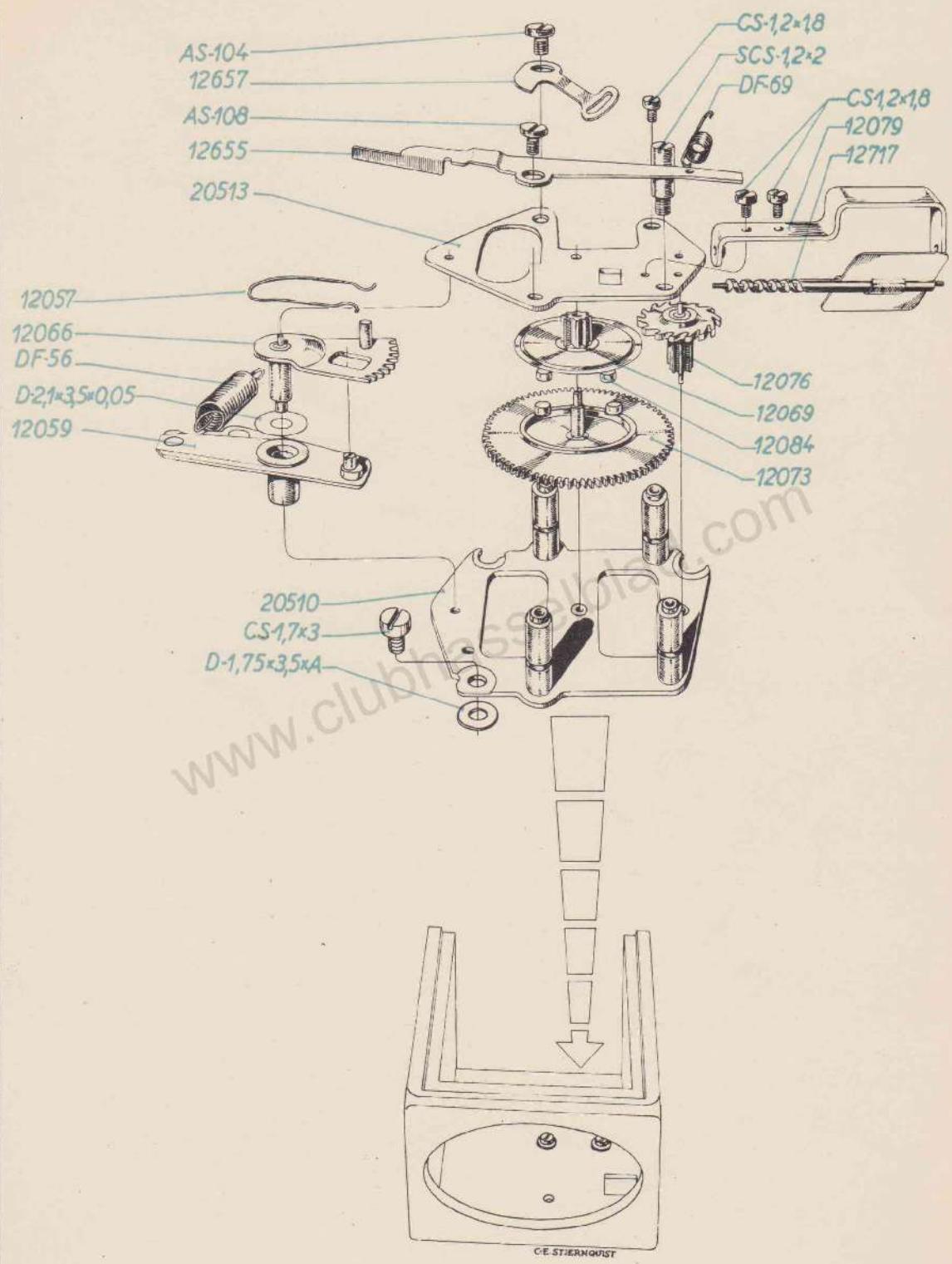
20510
20513
12057
12059
12066
12069
12073
12076
12079
12084 (4)
12655
12657
12717
AS-104
AS-108
CS-1.2×1.8 (3)
D-2.1×3.5×0.05
DF-56
DF-69
SCS-1.2×2

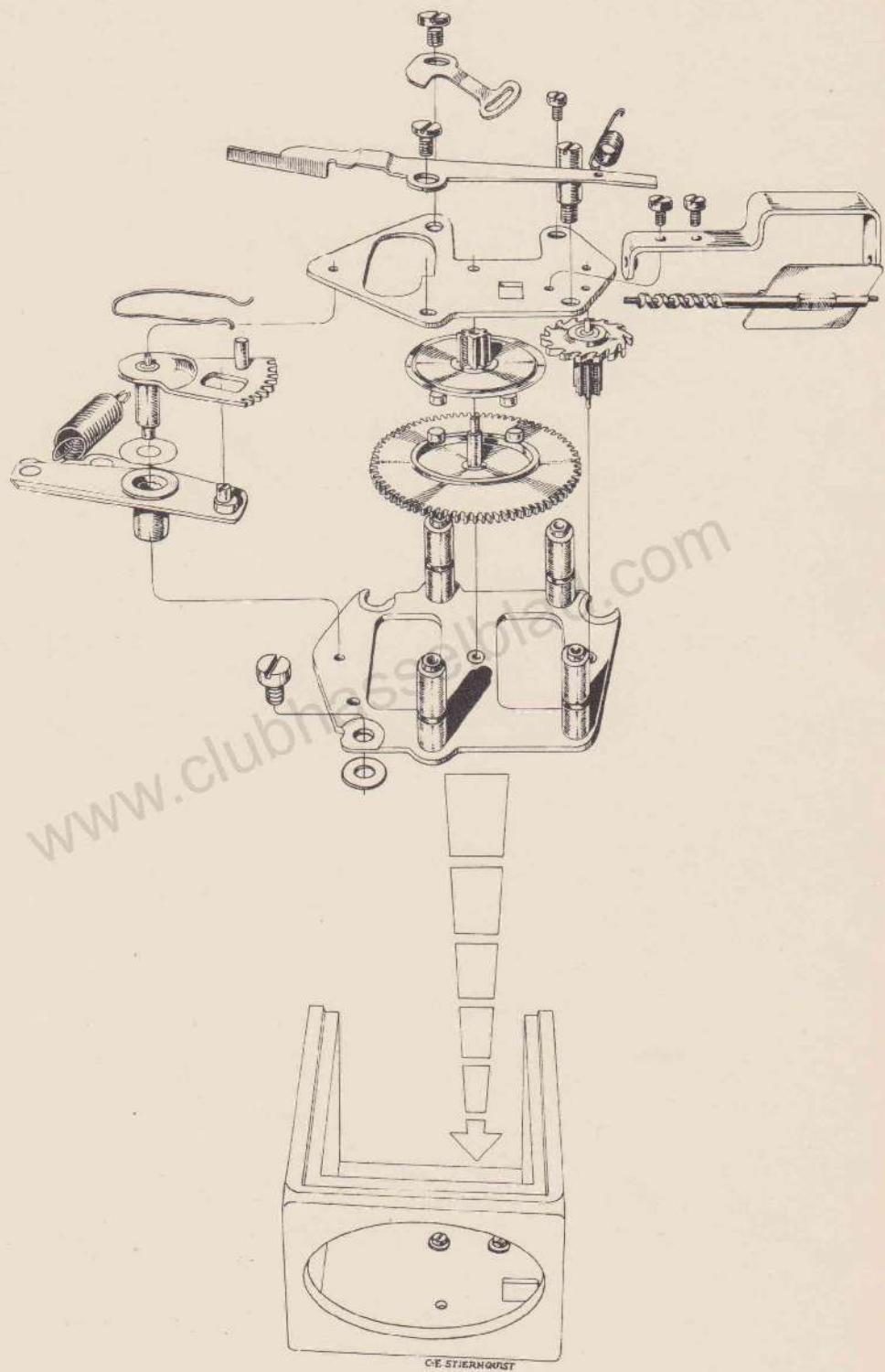
20509 4.61
CS-1.7×3
D-1.75×3.5×A

www.clubhasselblad.com



HASSELBLAD
SWEDEN





Printed in Sweden

HASSELBLAD
SWEDEN

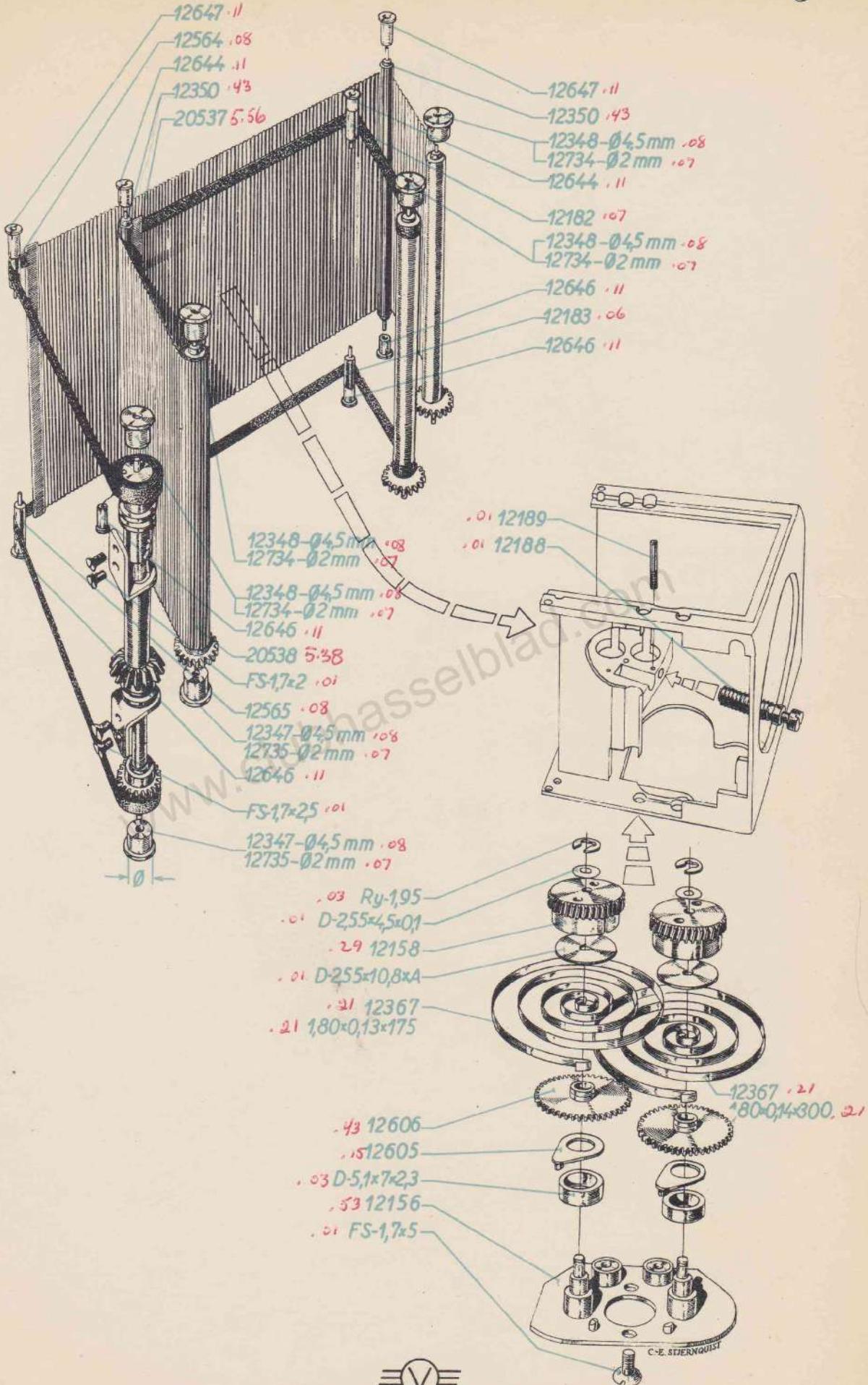
1953-IV

12156	
12158	(2)
(12367 (1.8×0.13×175)	
(12367 (1.8×0.14×300)	
12605	(2)
12606	(2)
D-2.55×4.5×0.1	(2)
D-2.55×10.8×A	(2)
D-5.1×7×2.3	(2)
Ry-1.95	(2)
20537	
20538	
12155 - 458	
12182	
12183	
12188	(2)
12189	(2)
12347 ø 4.5 mm	(2)
12348 ø 4.5 mm	(4)
12350	(2)
12564	
12565	
12644	(2)
12646	(4)
12647	(2)
12734 ø 2 mm	(4)
12735 ø 2 mm	(2)
FS-1.7×2	(2)
FS-1.7×2.5	(2)
FS-1.7×5	(2)

www.clubhasselblad.com

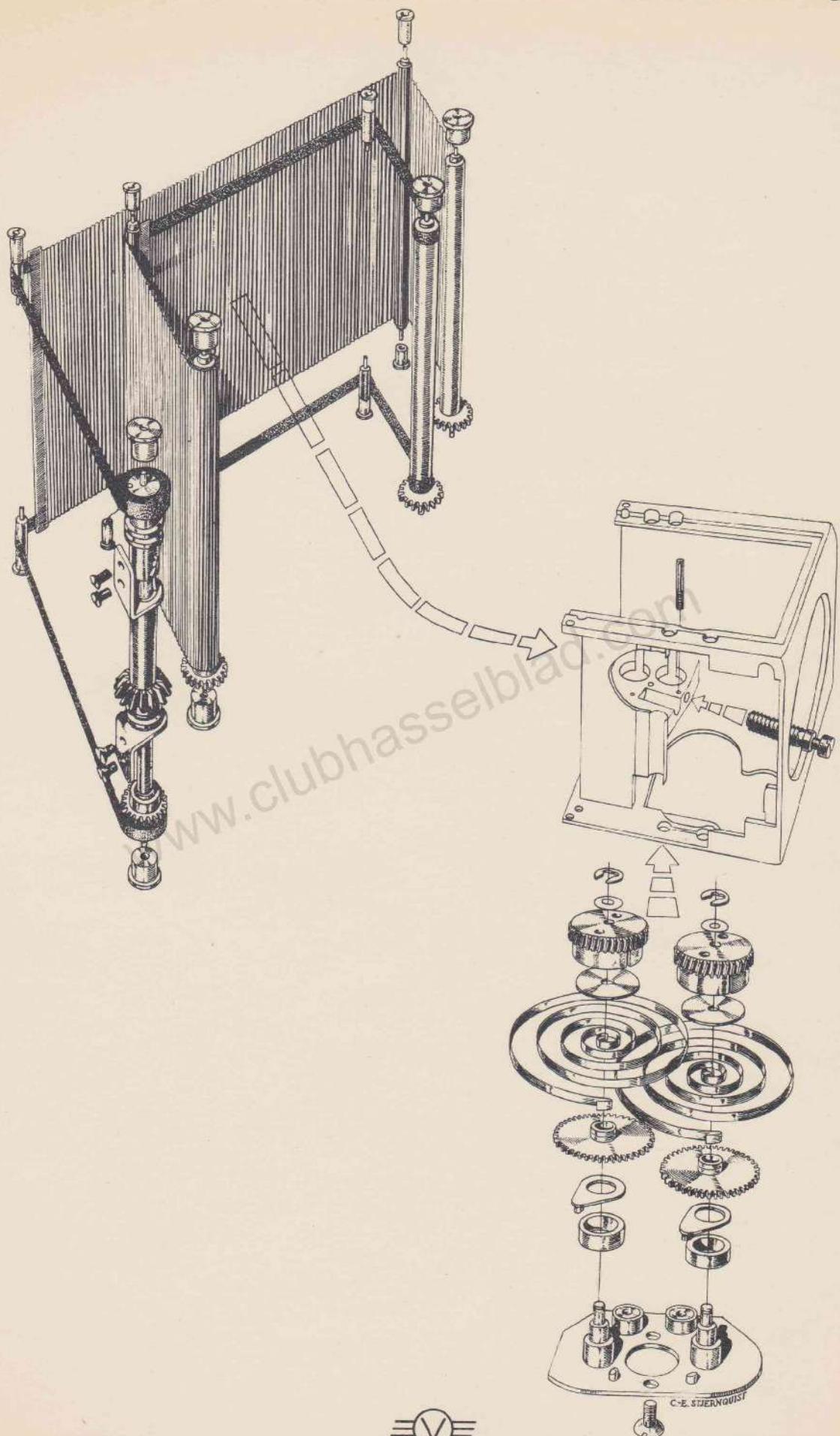


HASSELBLAD
SWEDEN



HASSELBLAD

SWEDEN



HASSELBLAD
SWEDEN

Printed in Sweden

1953-IV

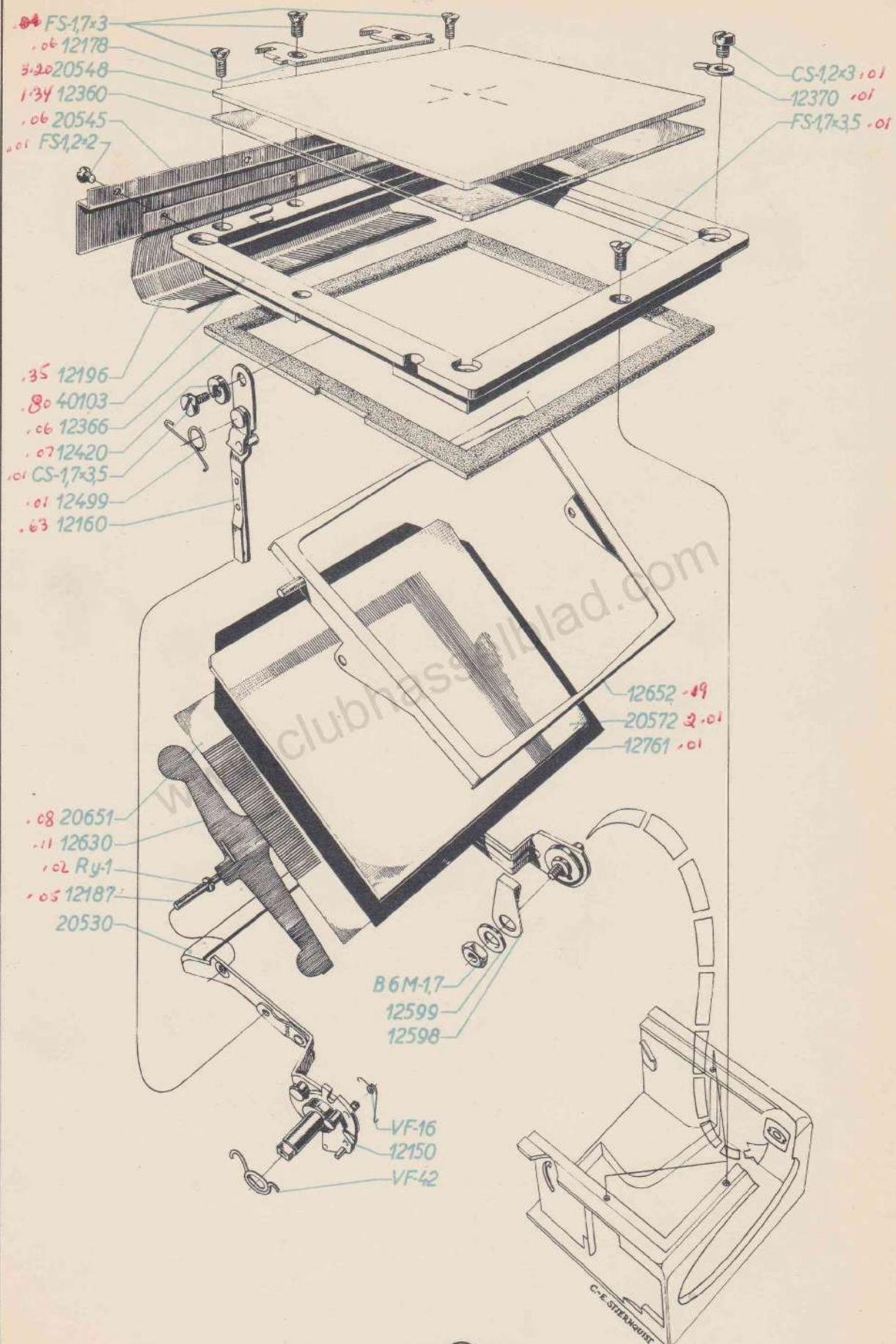
20530	
12150	
12598	
12599	20529 <i>1.58</i>
B6M-1.7	20545
VF-16	20548
VF-42	
20572	
20651	
12187	
12630	20653 <i>2.65</i>
12652	
12761	
Ry-1	
40103	
12366	20703 <i>.86</i>
	12160
	12178
	12196
	12360
	12370 (4)
	12420
	12499
	CS-1.2×3 (4)
	CS-1.7×3.5
	FS-1.2×2 (3)
	FS-1.7×3 (4)
	FS-1.7×3.5 (3)

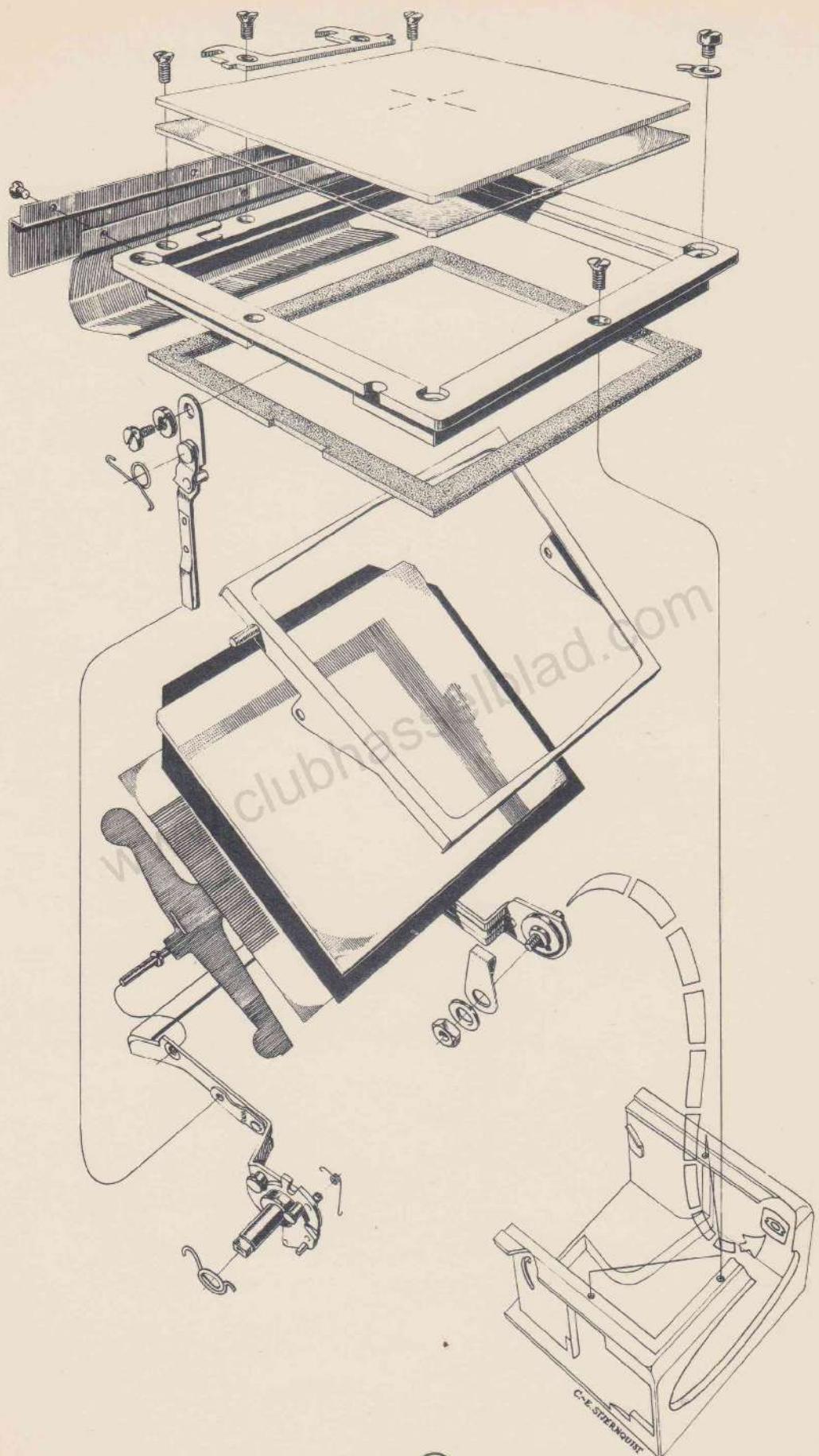


HASSELBLAD
SWEDEN

Printed in Sweden

1953-IV





HASSELBLAD
SWEDEN

Printed in Sweden

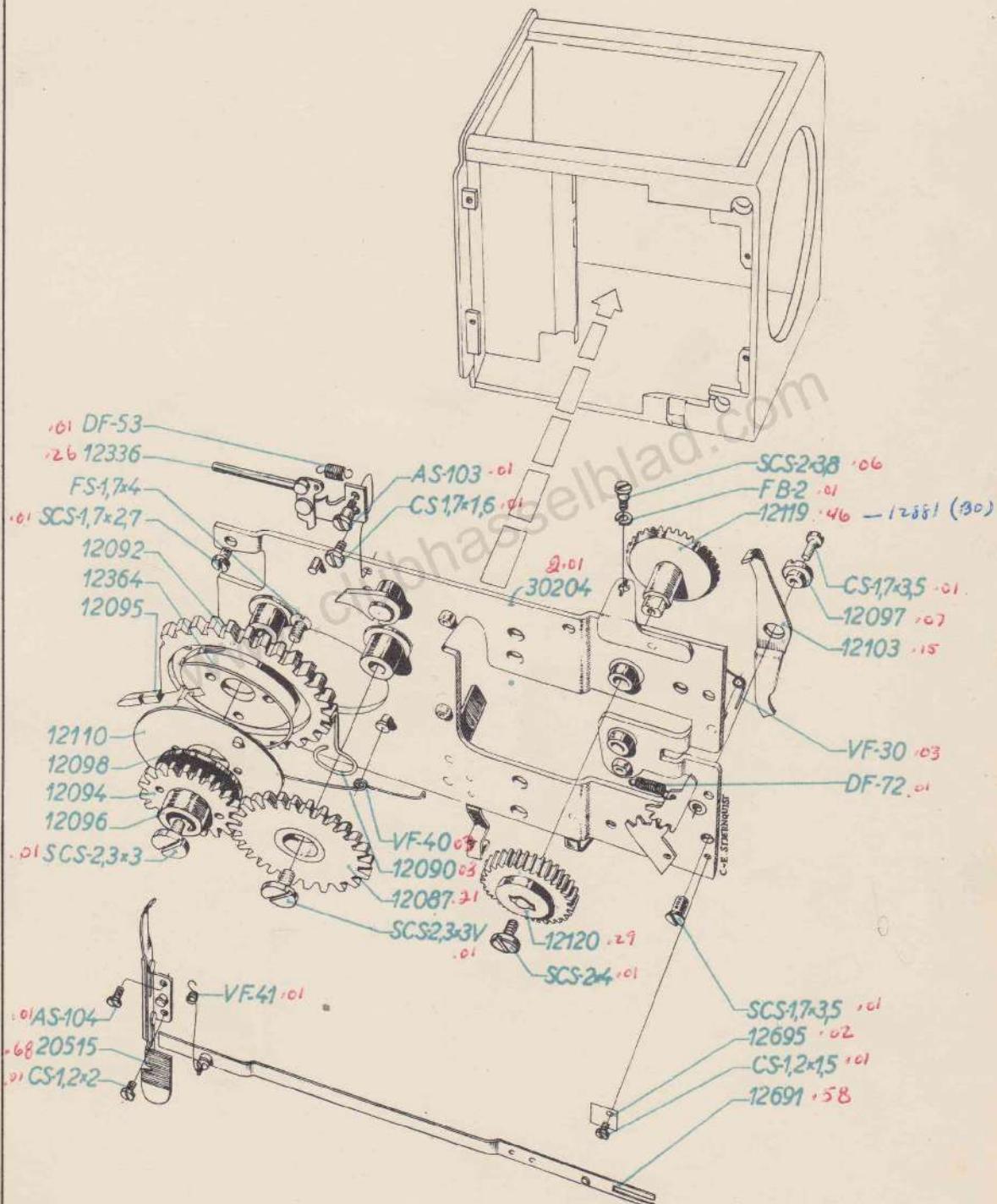
1953-IV

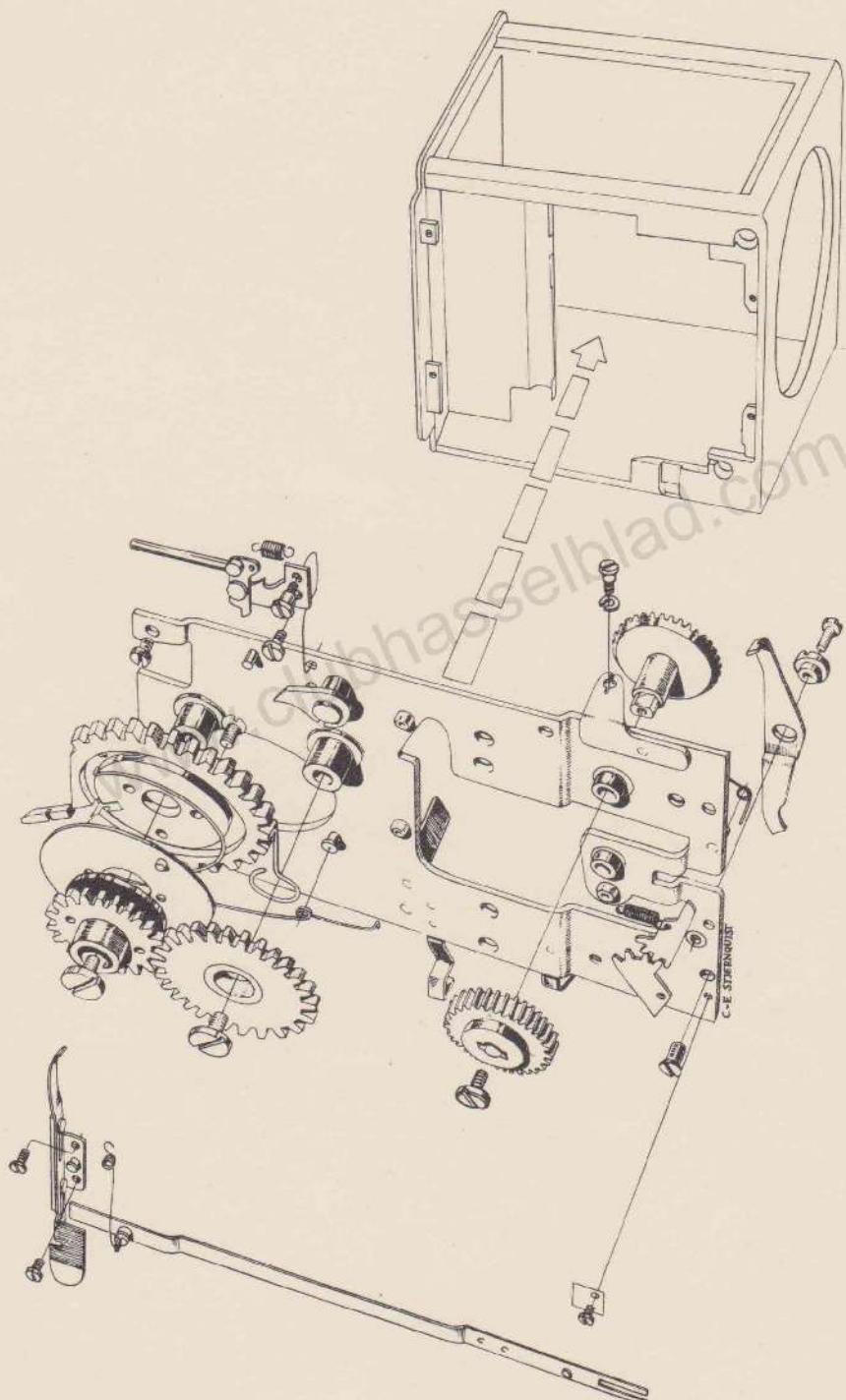
12092	30204
12094	12087
12095	12090
12096	12091 <i>1.65</i>
12098	12097
12110	12103
12364	12119
FS-1.7×4 (2)	12120
	12336
	AS-103
	CS-1.7×2
	CS-1.7×3.5
	DF-53
	DF-72
	SCS-2×4
	SCS-2.3×3
	SCS-2.3×3v
	VF-30
	VF-40
	30203 <i>5.66</i>
	20515
	12691
	12695
	AS-104
	CS-1.2×1.5
	FB-2
	CS-1.7×1.6
	SCS-1.7×2.7 (2)
	SCS-1.7×3.5 (2)
	SCS-2×3.8
	VF-41

www.clubhasselblad.com



HASSELBLAD
SWEDEN





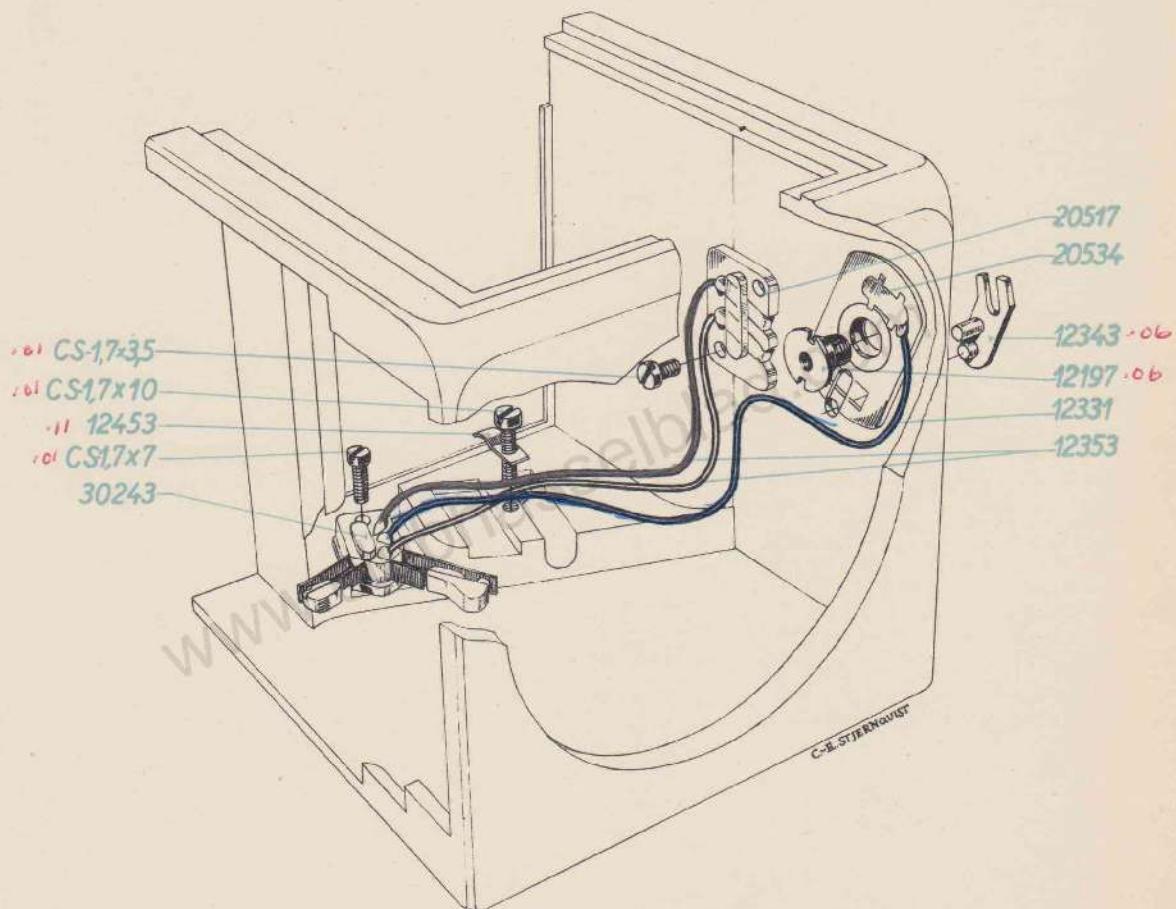
HASSELBLAD
SWEDEN

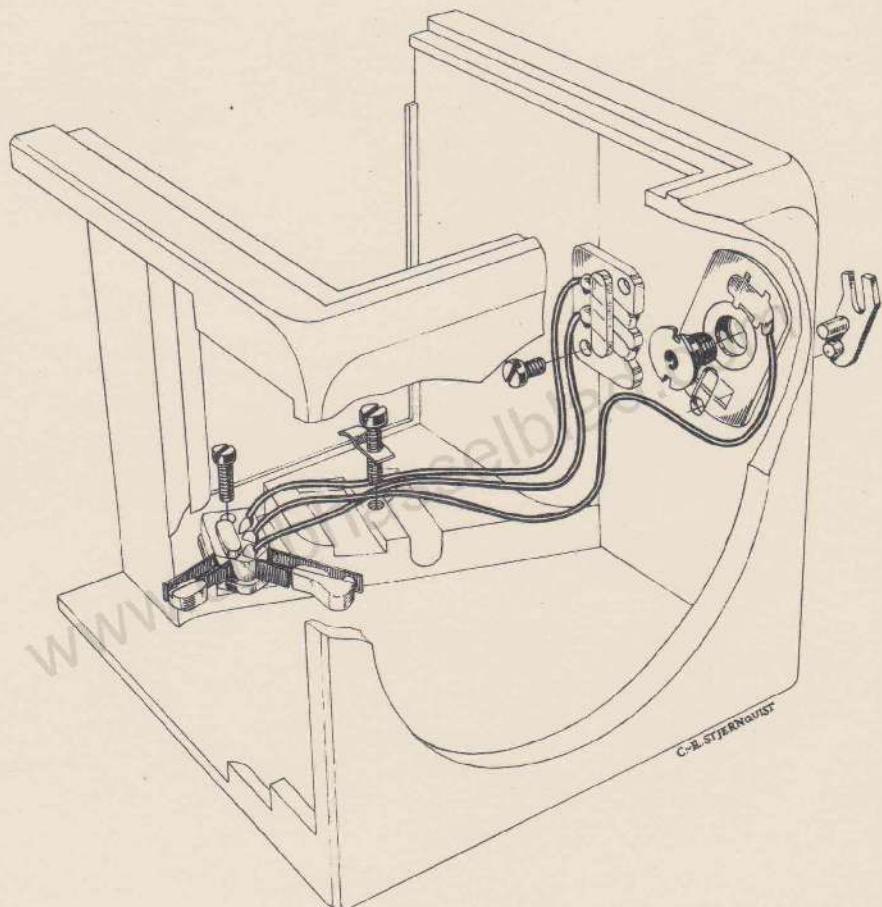
30243
20517
20534
12331
12353 (2) } 20540 1.34
12197
12343
12453
CS-1.7×3.5 (2)
CS-1.7×7
CS-1.7×10

www.clubhasselblad.com



HASSELBLAD
SWEDEN



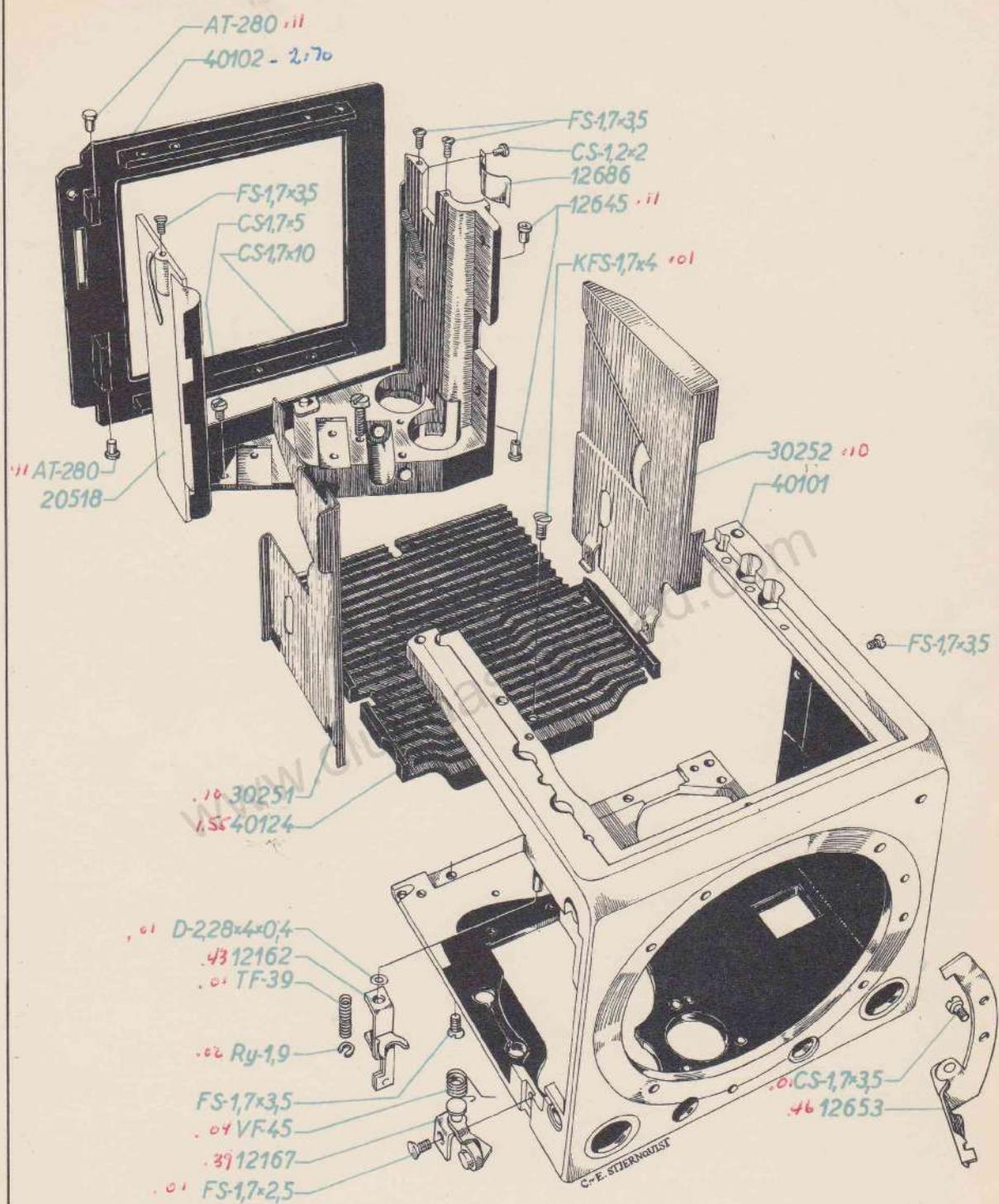


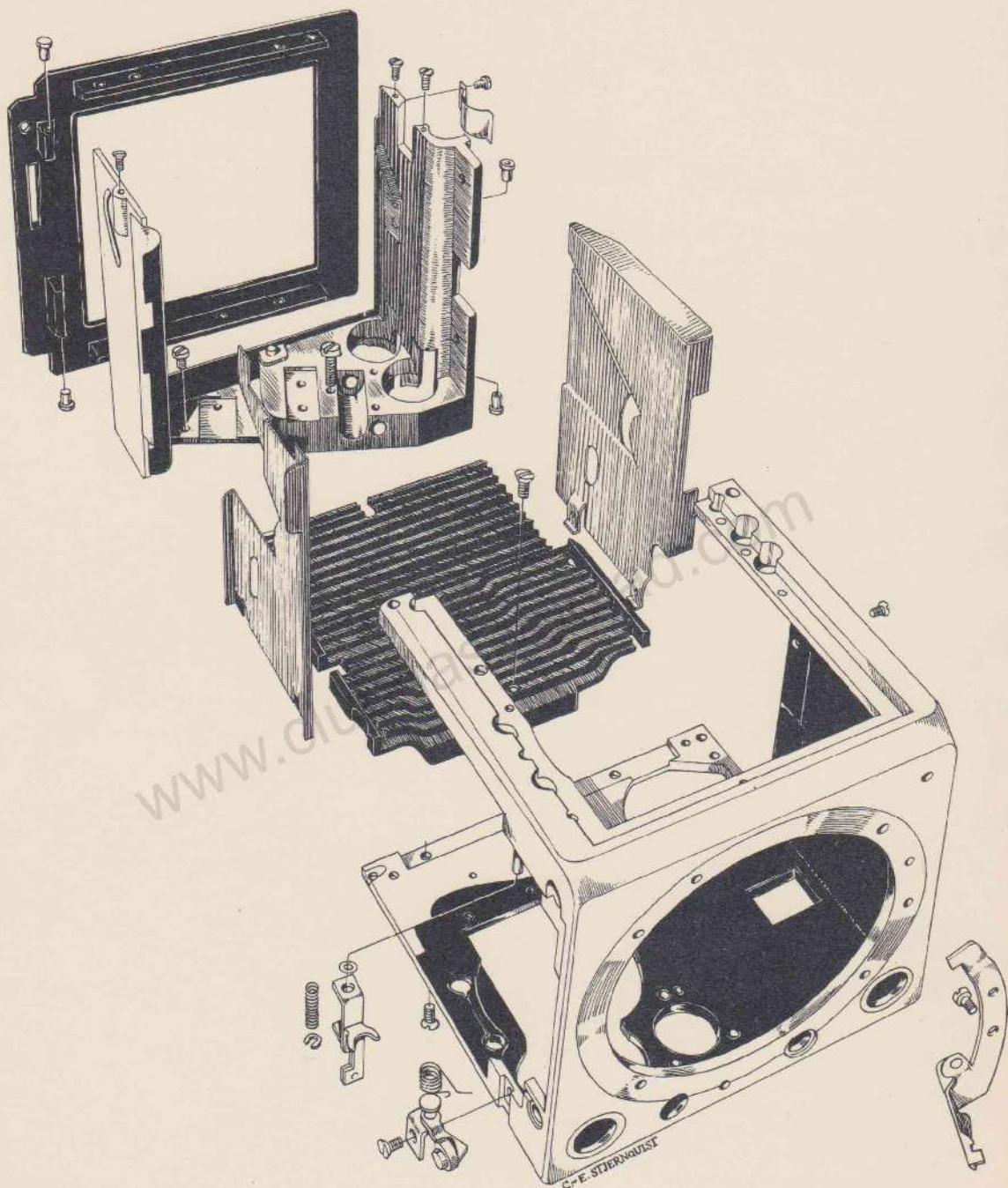
40101	
20518	
12686	
CS-1.2×2 (2)	40102
CS-1.7×5	40121 10·18
CS-1.7×10	40124
FS-1.7×3.5 (8)	30251
	30252
	12162
	12167
	12645
	12653
	AT-280 (2)
	CS-1.7×3.5 (2)
	D-2.28×4×0.4
	FS-1.7×2.5
	KFS-1.7×4
	Ry-1.9
	TF-39
	VF-45

www.clubhasselblad.com



HASSELBLAD
SWEDEN





HASSELBLAD
SWEDEN

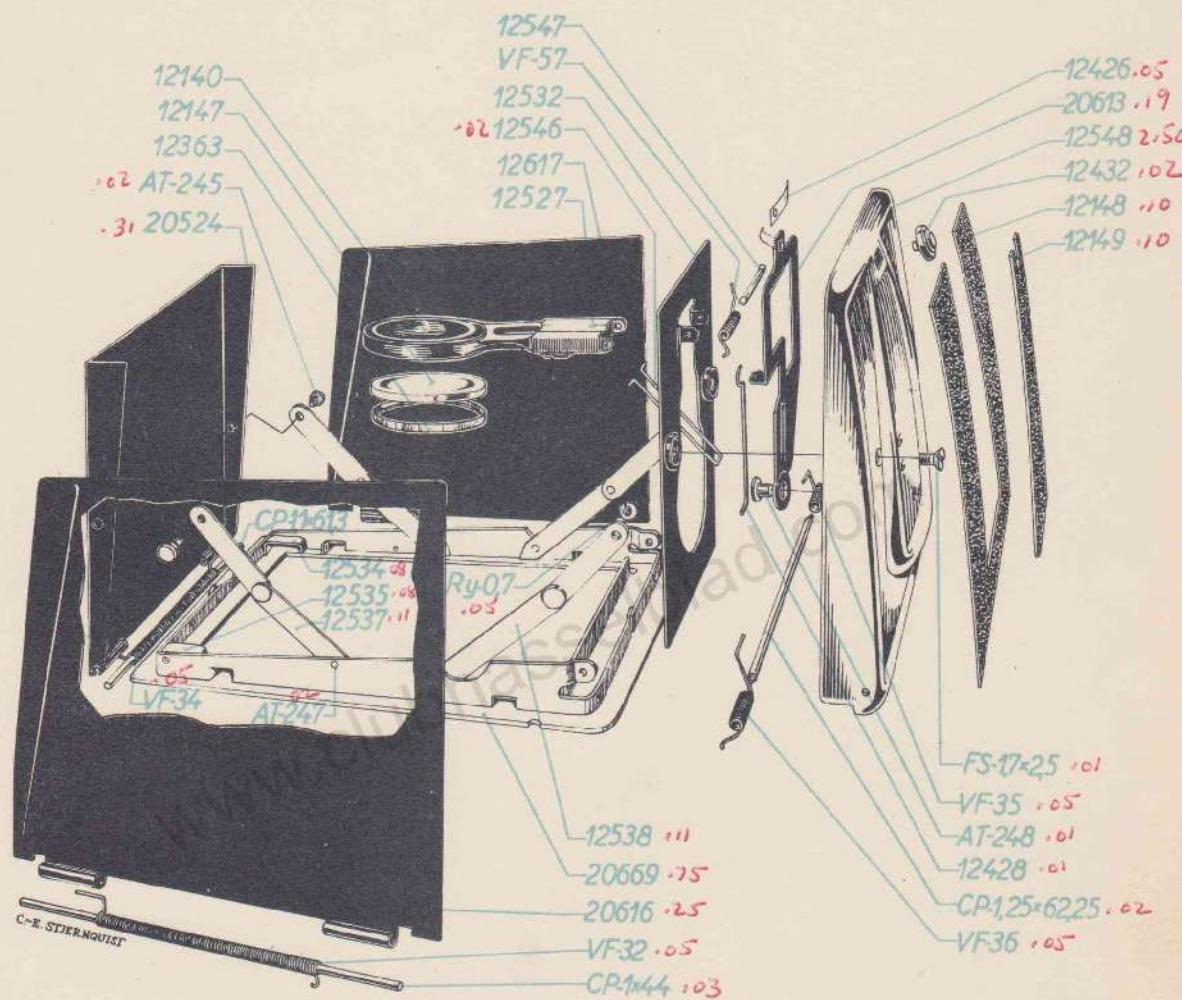
Printed in Sweden

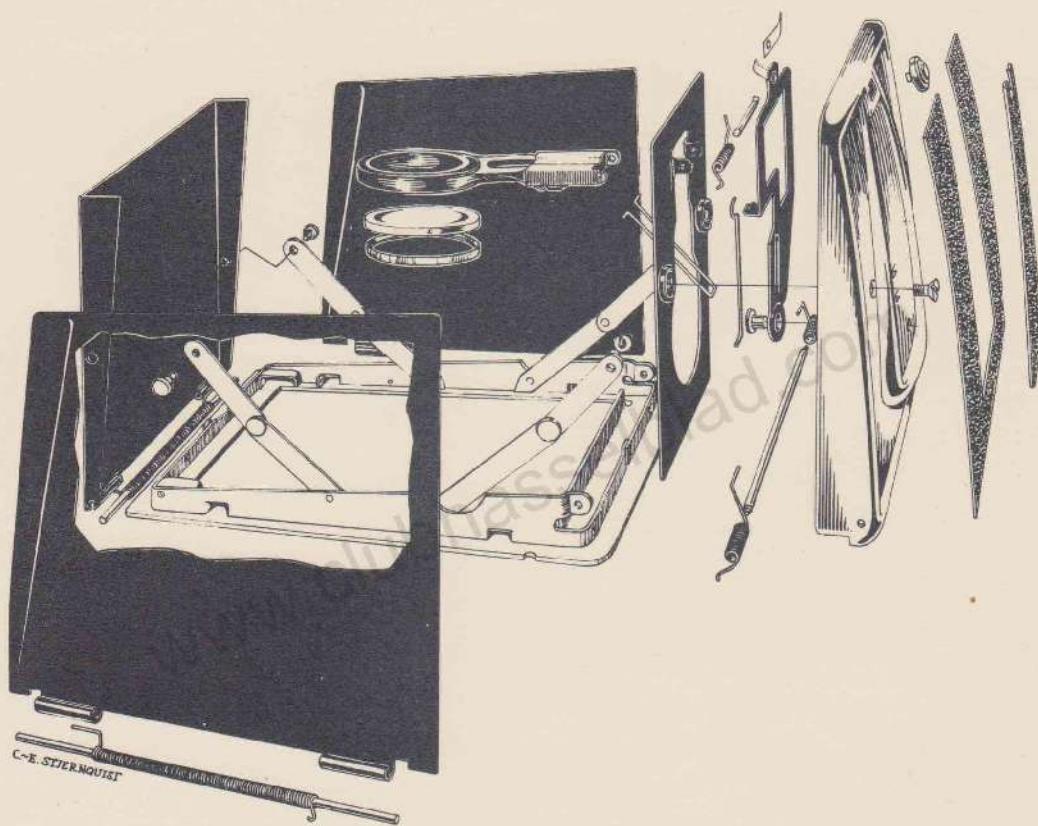
1953-IV

20613	20669 12537 12538 AT-247	(2) (2) (4)	30210 4.23
12426			
12428			
12432	20582 2.76		
12548			
AT-248			
12527			
12532			
12547			
VF-57	20523 .55 12148 12149 12546 FS-1.7×2.5 (2)		20575 4.99
			40108 15.39
12140		20524 20616 20617 12139 1.44	
12147			
12363		12534 12535 AT-245 (2) CP-1×44 (2) CP-1.1×61.3 CP-1.25×62.25 Ry-0.7 (2) VF-32 (2) VF-34 VF-35 VF-36	



HASSELBLAD
SWEDEN





C-E. STIERNUQUIST



HASSELBLAD
SWEDEN

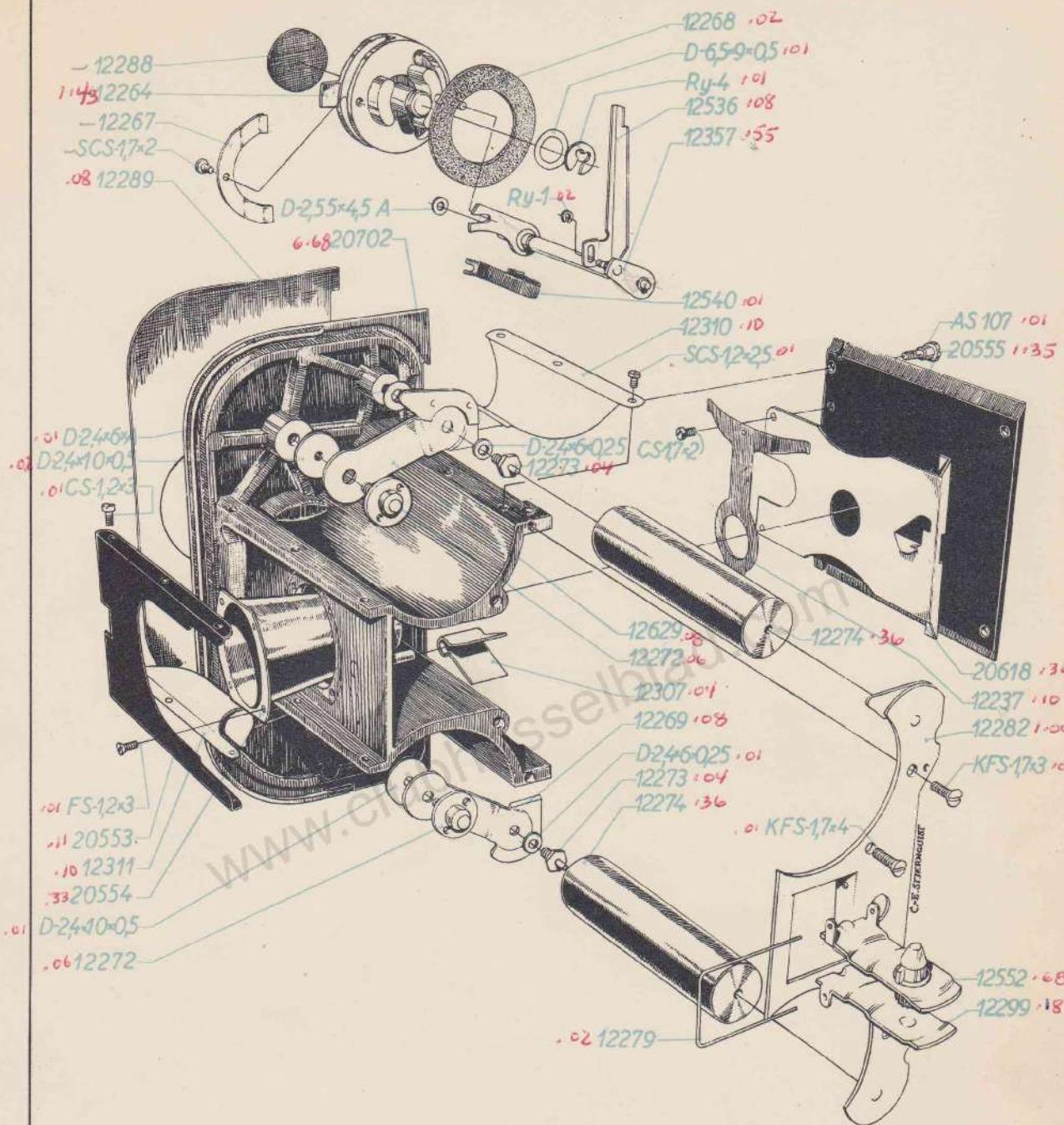
Printed in Sweden

1953-IV

	20553	
12237	20554	
12289	}	20702 6.68
12267		
12288		12264 1.43
SCS-1.7×2		12268
		12269
		12272
		12273
		12274
		12307
		12310
		12311
		12357
		12536
20555		12540
20618		12543 1.79
CS-1.7×2 (2)		
		40109
12279		
12282		12579 2.21
12299		12629
12552		AS-107 (4) CS-1.2×3 (6) D-2.4×6×A D-2.4×6×0.25 (2) D-2.4×10×0.5 (2) D-2.55×4.5×A D-6.5×9×0.5 FS-1.2×3 (4) KFS-1.7×3 KFS-1.7×4 (3) Ry-1 Ry-4 SCS-1.2×2.5 (3)



HASSELBLAD
SWEDEN

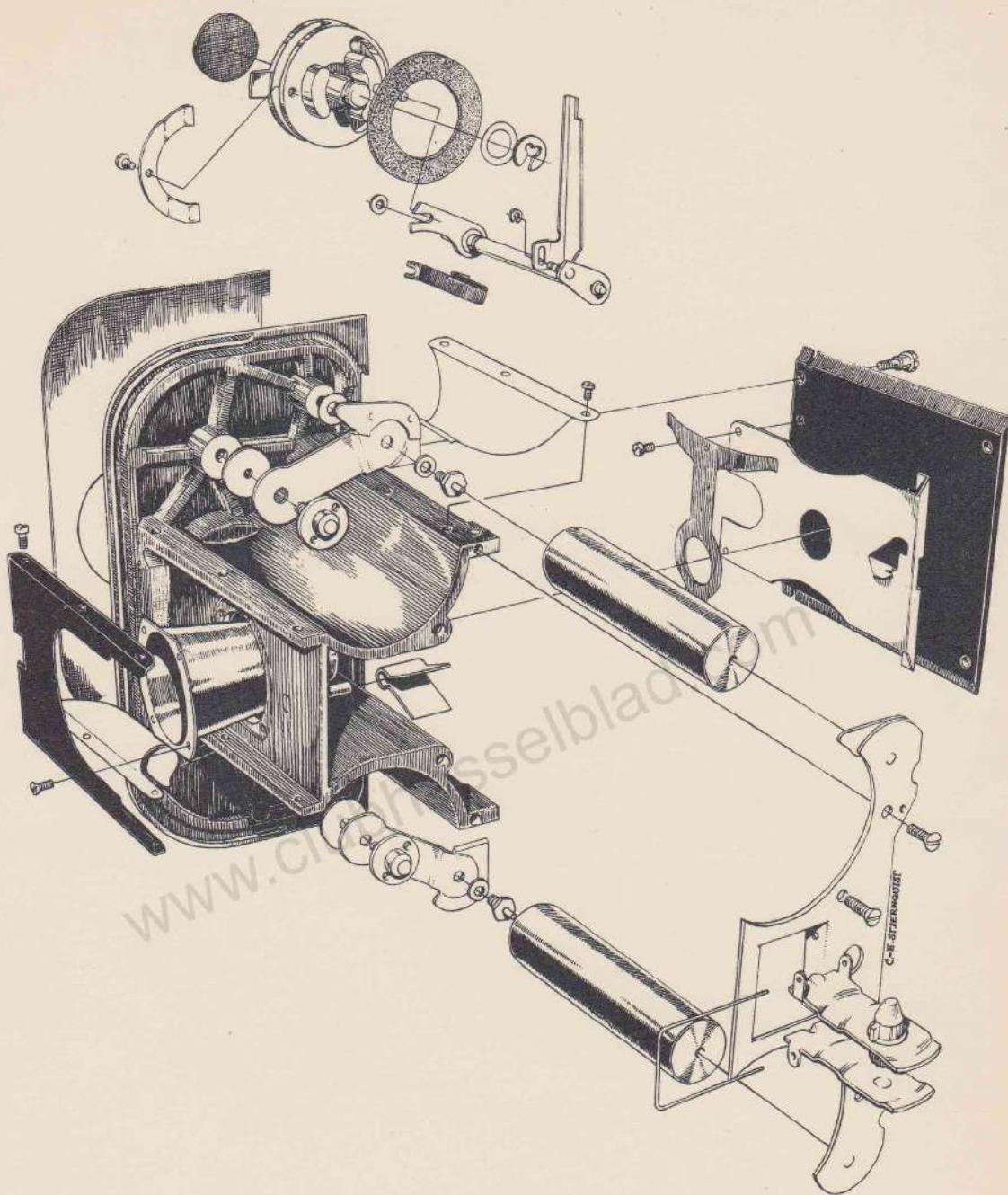


HASSELBLAD

SWEDEN

Printed in Sweden

1953-IV

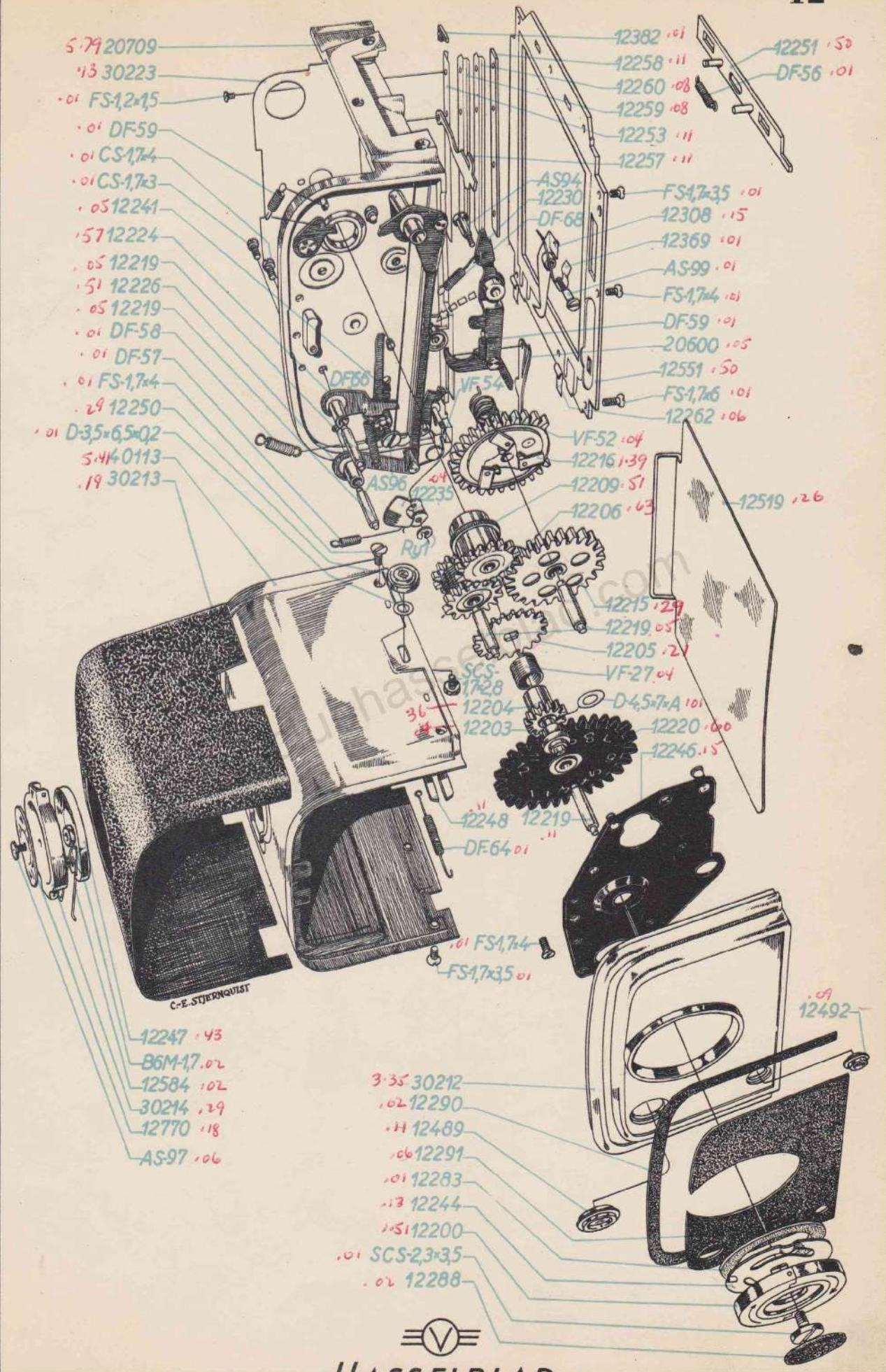


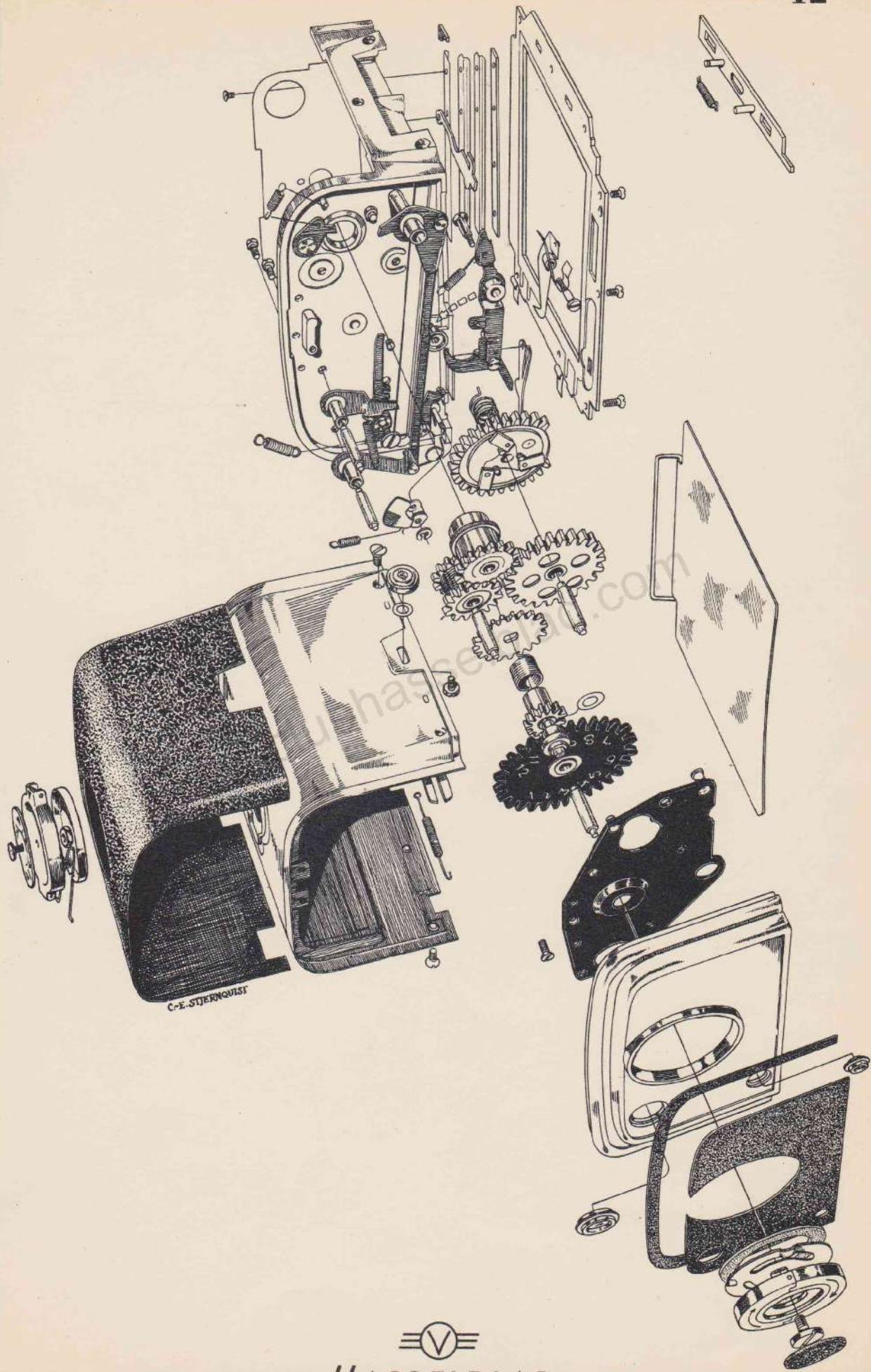
30214		
12770		
AS-97		
B6M-1.7		
	30213	
	20619	75
	12247	
	12248	
	12250	
	12584	
	D-3.5×6.5×0.2	
	SCS-1.7×2.8	
	12203	
	12204	
	12205	
	D-4.5×7×A	
	VF-27	
		(4)
	12226	
DF-59	12230	65
DF-68	12235	
	12241	
	12244	
	12246	
	12251	
	12253	
	12257	
	12258	
	12259	
30212	12260	
12290	12262	
12291	12280	4.23
12489	12283	
12492	12288	
	12308	
	12369	
	12382	(4)
12215	12519	
12216	12542	1.79
12219	12551	
	AS-94	
	AS-96	
	AS-99	
	CS-1.7×3	(2)
	CS-1.7×4	
	DF-56	
	DF-57	
	DF-58	
	DF-59	
	DF-64	
	DF-66	
	FS-1.2×1.5	(4)
	FS-1.7×3.5	(4)
	FS-1.7×4	(11)
	FS-1.7×6	
	Ry-1	
	SCS-2.3×3.5	
	VF-52	



HASSELBLAD

SWEDEN





Printed in Sweden


HASSELBLAD
SWEDEN

1953-IV

Messrs. / Firma / Ets. / Casa

order from / bestellen von / commande à / pedido de

Victor Hasselblad AB, S:t Eriks torg 3, Göteborg
Sweden / Schweden / Suède / Suecia

Quantity Anzahl Quantité Cantidad	Part No. Teil Nr. No. de la partie Nº de la parte	Remarks Anmerkungen Notes Notas

Exchanged 7/31/53

www.clubhasselblad.com

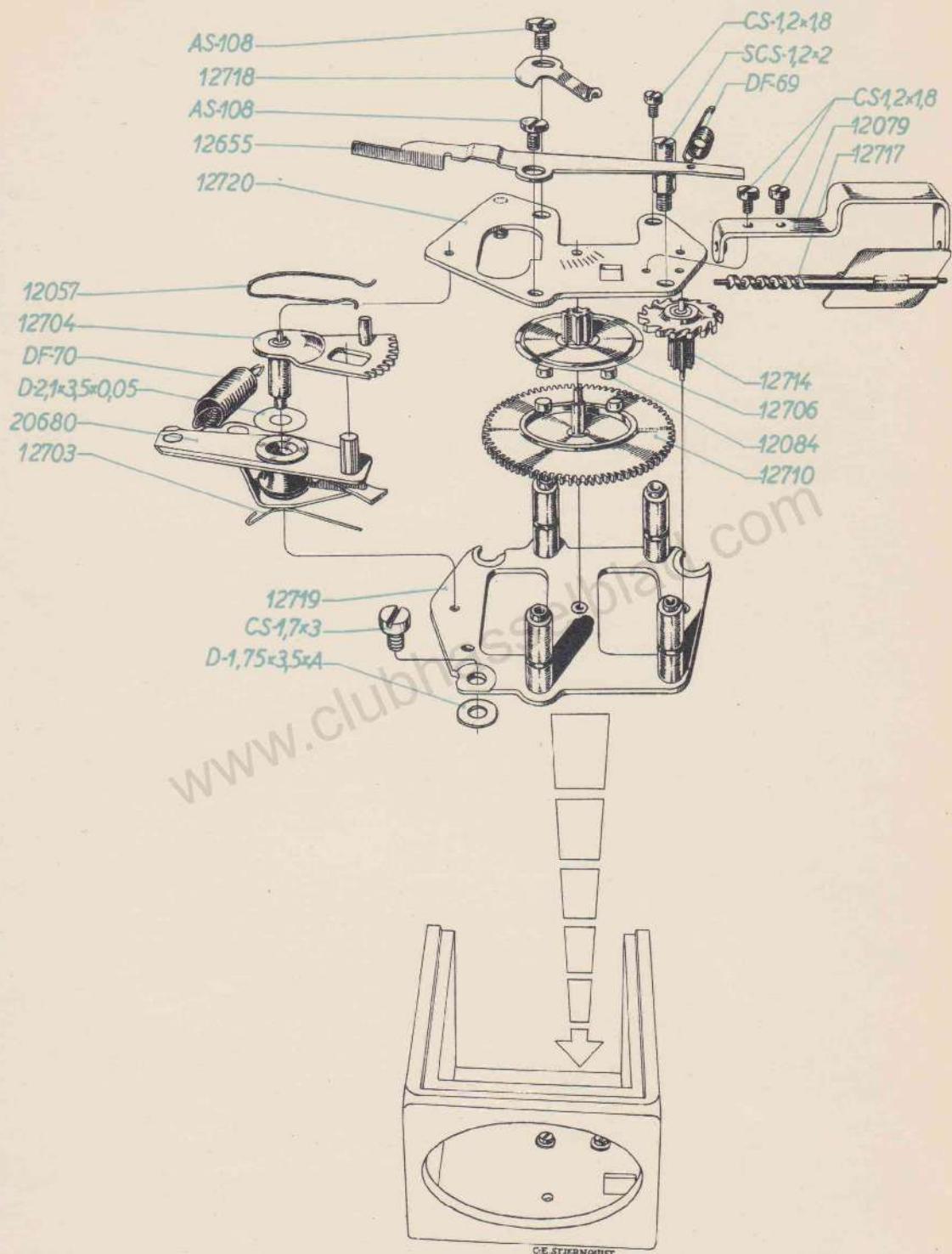
GALERIAZZAR

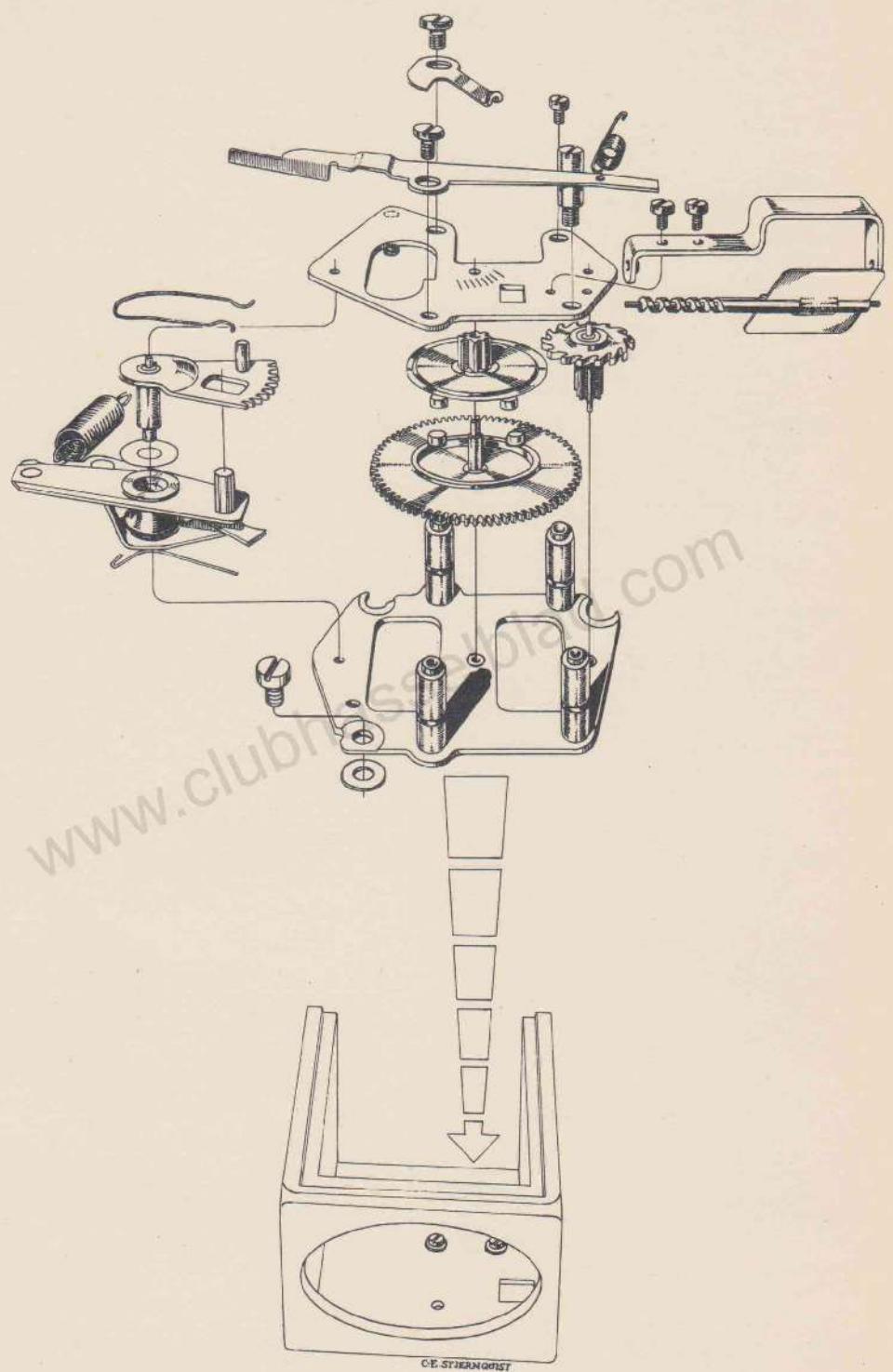
12703 } 20680	
12057	
12079	
12084	(4)
12655	
12704	
12706	
12710	
12714	
12717	30250
12718	CS-1.7×3
12719	D-1.75×3.5×A
12720	
AS-108	(2)
CS-1.2×1.8	(3)
D-2.1×3.5×0.05	
DF-69	
DF-70	
SCS-1.2×2	

www.clubhasselblad.com



HASSELBLAD
SWEDEN





Printed in Sweden


HASSELBLAD
SWEDEN

1953-IV

Exchanged 7/31/83

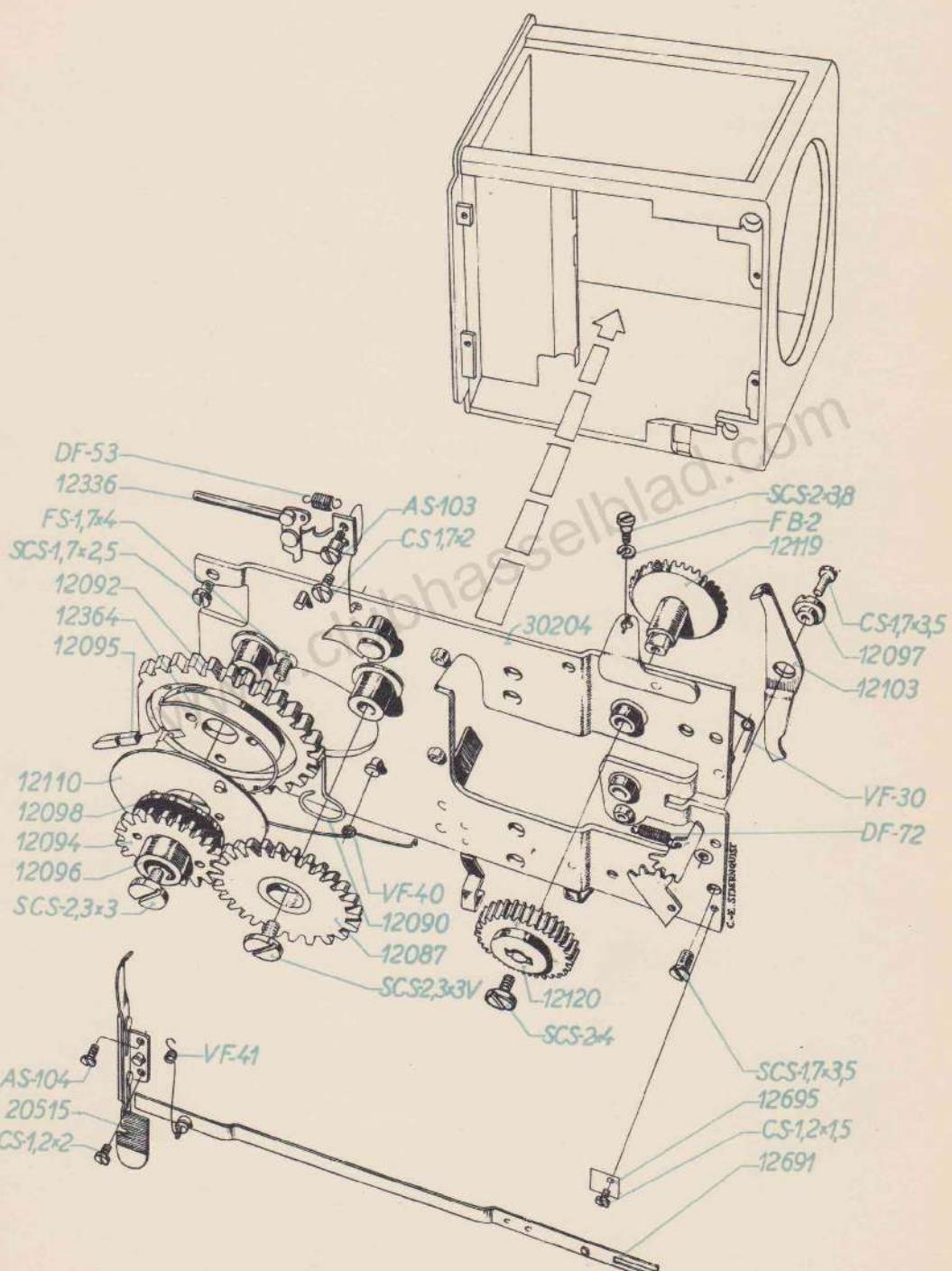
www.clubhasselblad.com

12092	30204
12094	12087
12095	12090
12096	12091
12098	12097
12110	12103
12364	12119
FS-1.7×4 (2)	12120
	12336
	AS-103
	CS-1.7×2
	CS-1.7×3.5
	DF-53
	DF-72
	SCS-2×4
	SCS-2.3×3
	SCS-2.3×3v
	VF-30
	VF-40
	30203
	20515
	12691
	12695
	AS-104
	CS-1.2×1.5
	FB-2
	CS-1.2×2
	SCS-1.7×2.5 (2)
	SCS-1.7×3.5 (2)
	SCS-2×3.8
	VF-41

www.clubhasselblad.com



HASSELBLAD
SWEDEN



HASSELBLAD
SWEDEN

