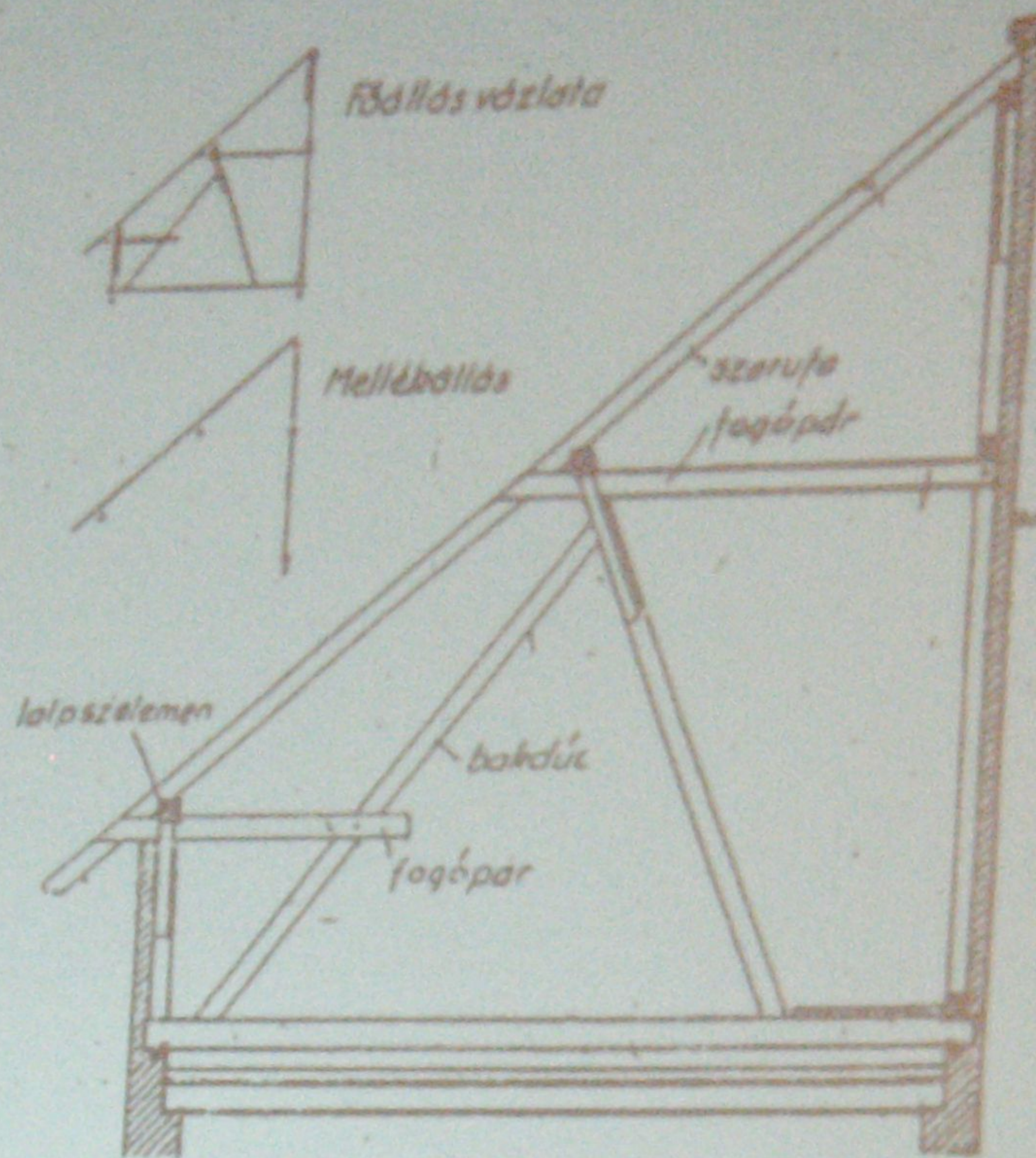
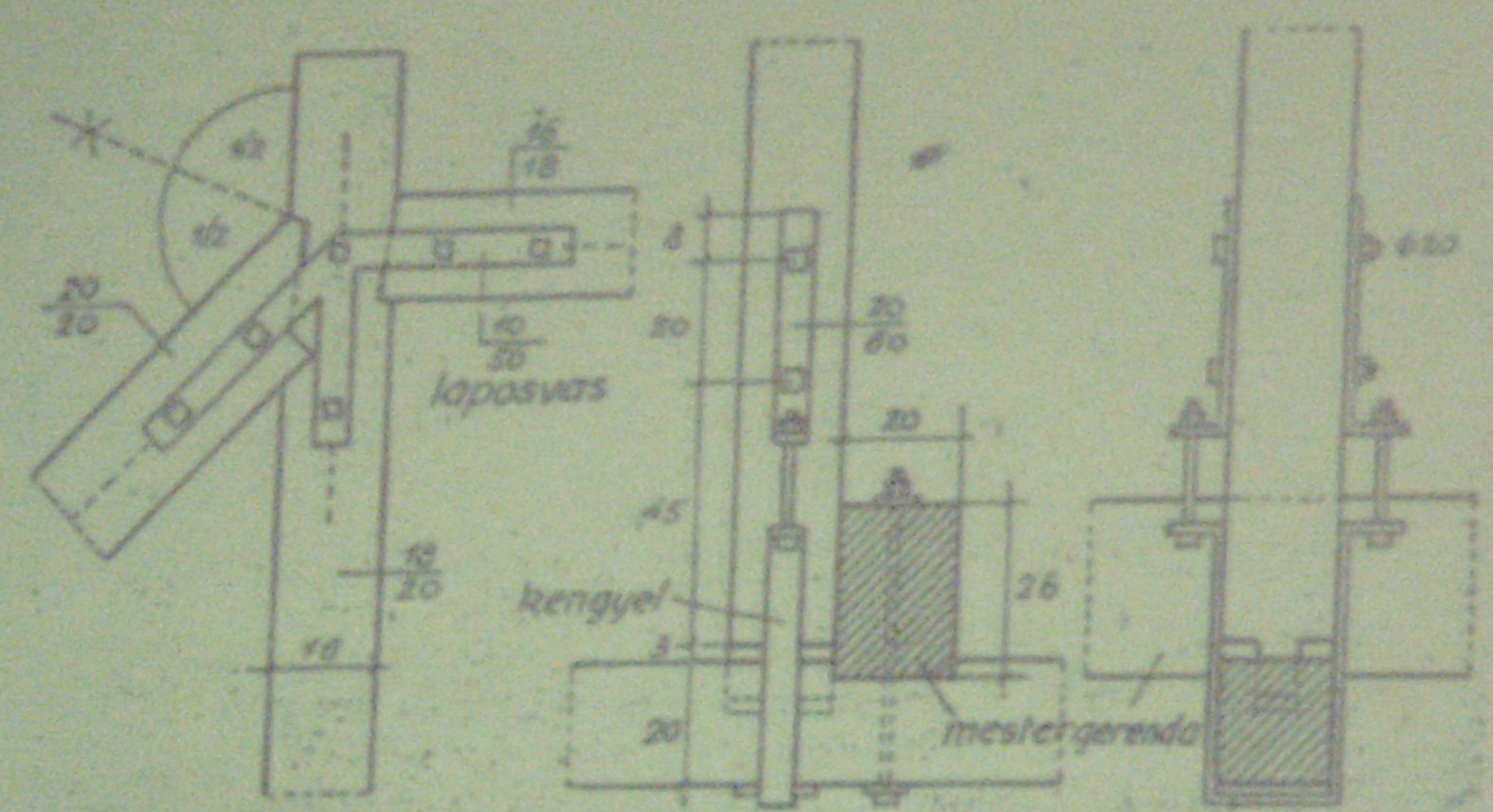
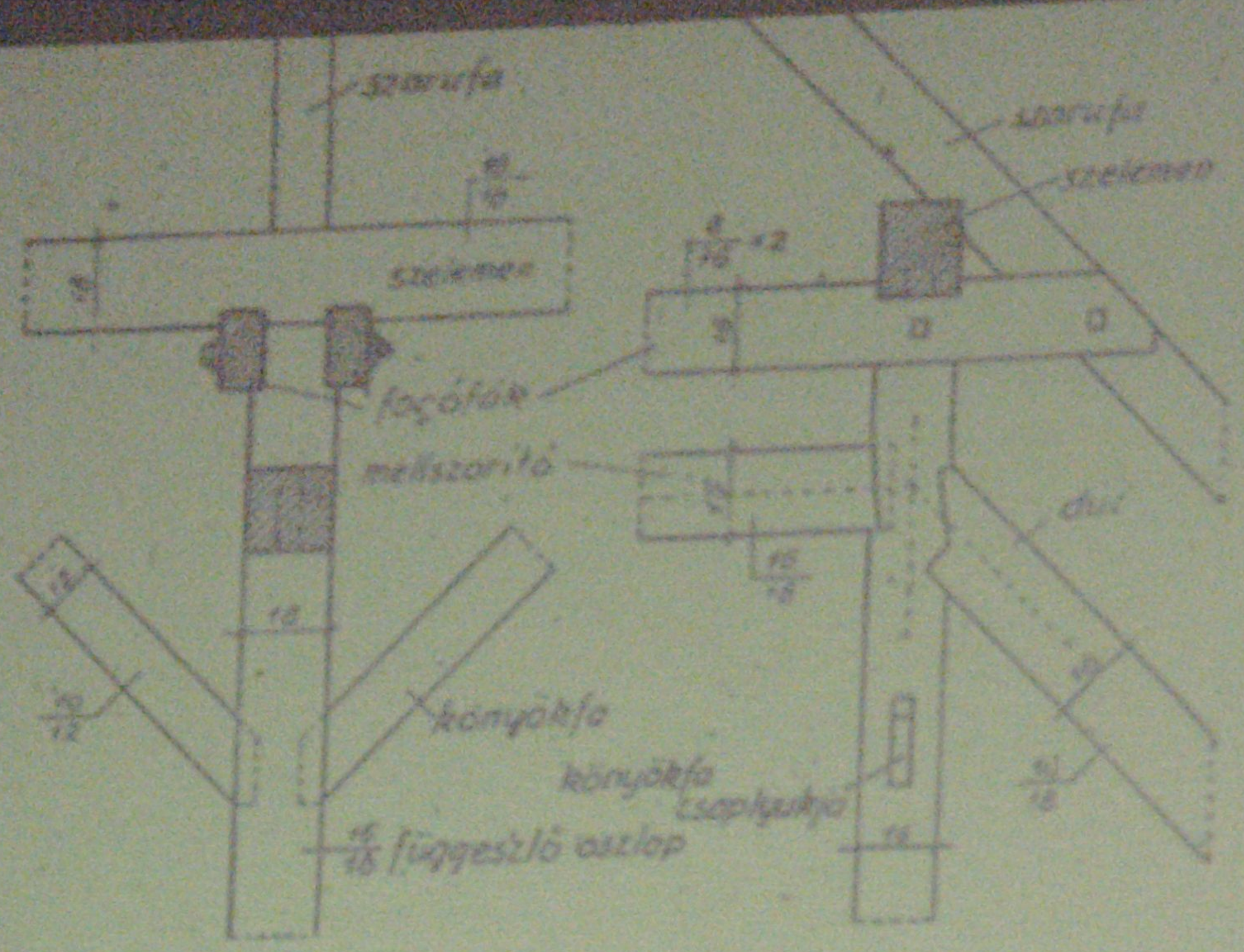
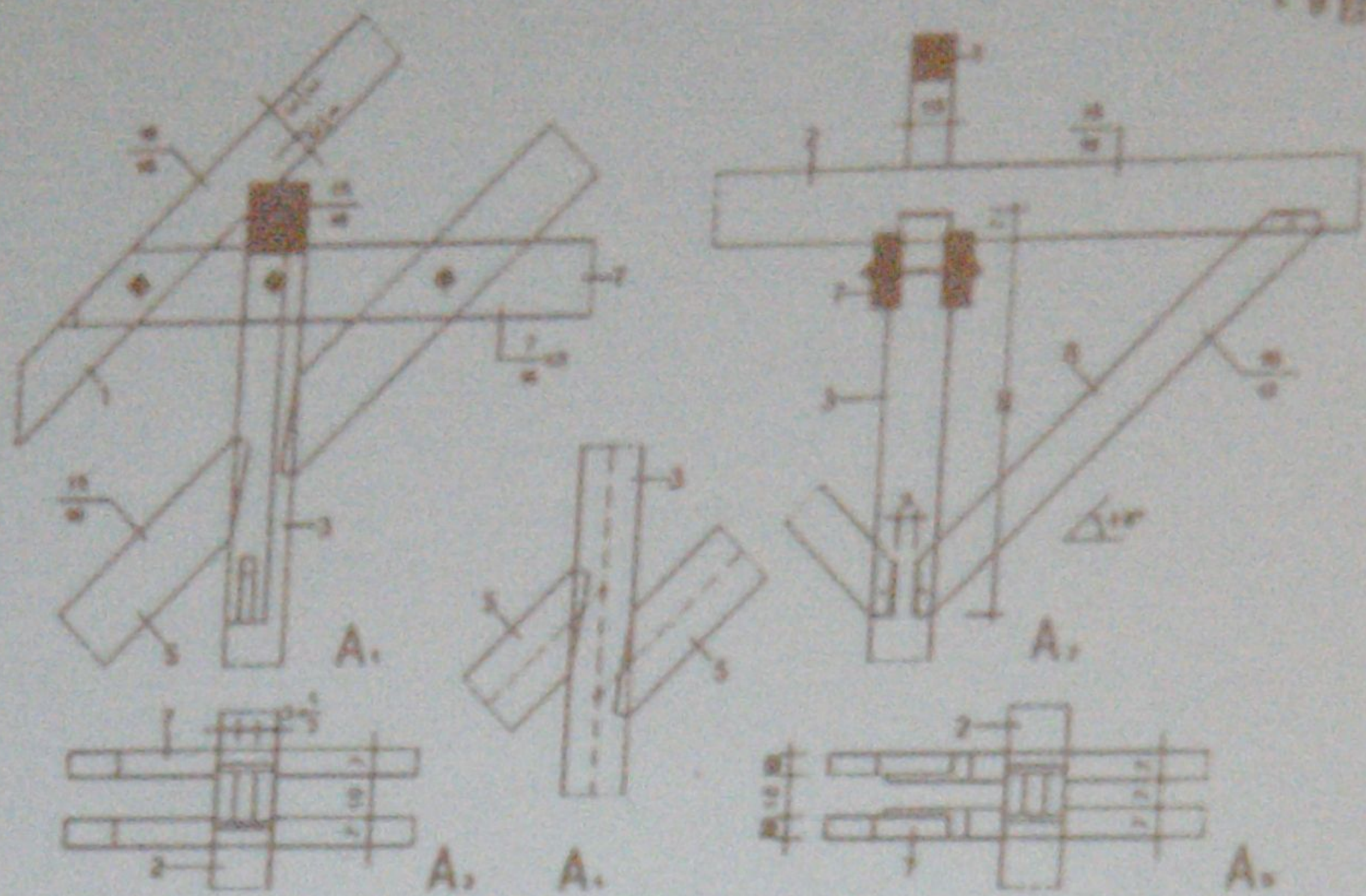
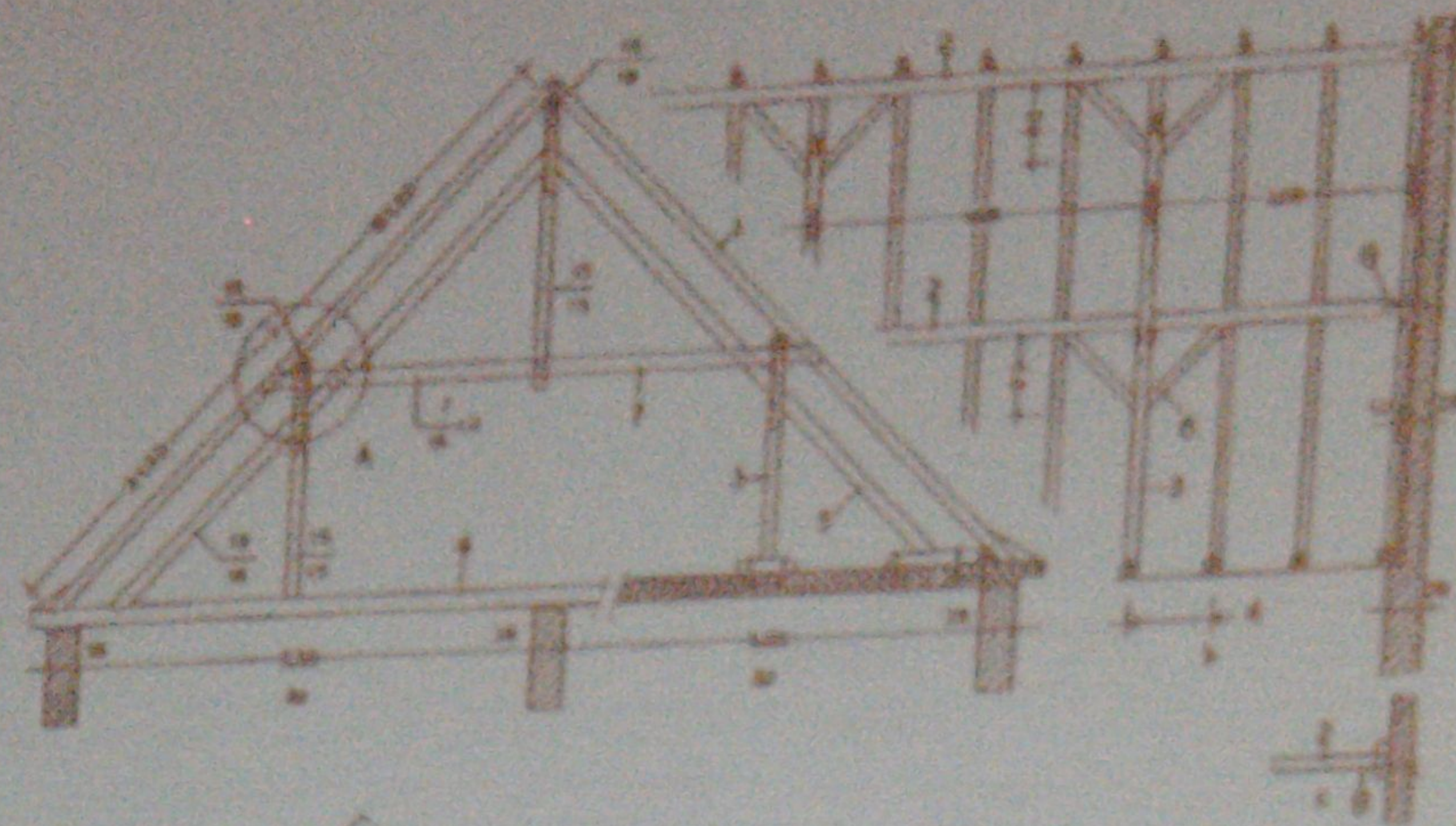


SÜLLYESZTETT ÁLLÓSZÉKES FÉLNYEREG  
TETŐ



SÜLLYESZTETT BAKDÜCOS FÉLNYEREG  
TETŐ





Нормы сборки стропильной системы

1 - стропило, 2 - мауэрлат, 3 - стойка, 4 - прогоны, 5 - обрешетка, 6 - кровельный материал, 7 - гидроизоляция, 8 - пароизоляция, 9 - утеплитель, 10 - чердачный пол

SZARU BORDAS FEDÉLSZÉKEK

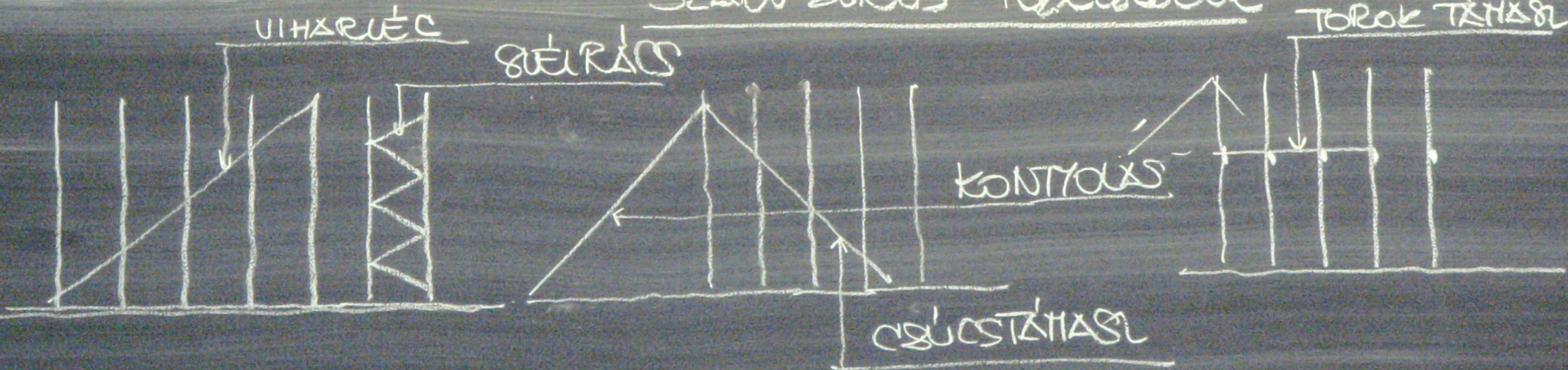
VIHARUÉC

80ELRÁCS

TOROK TÁMASZ

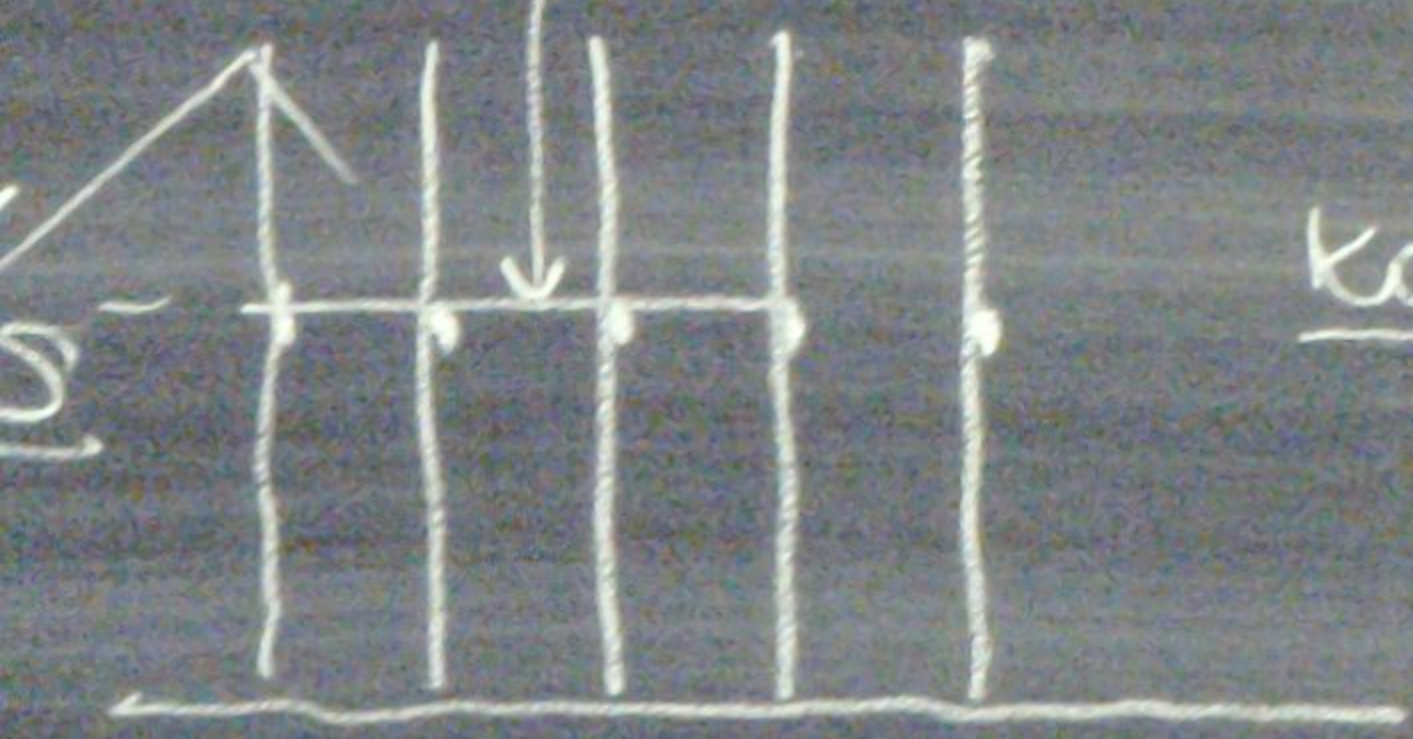
KONTYOLÁS

CIBÜCSZÁHÁSZ



ÉKEK

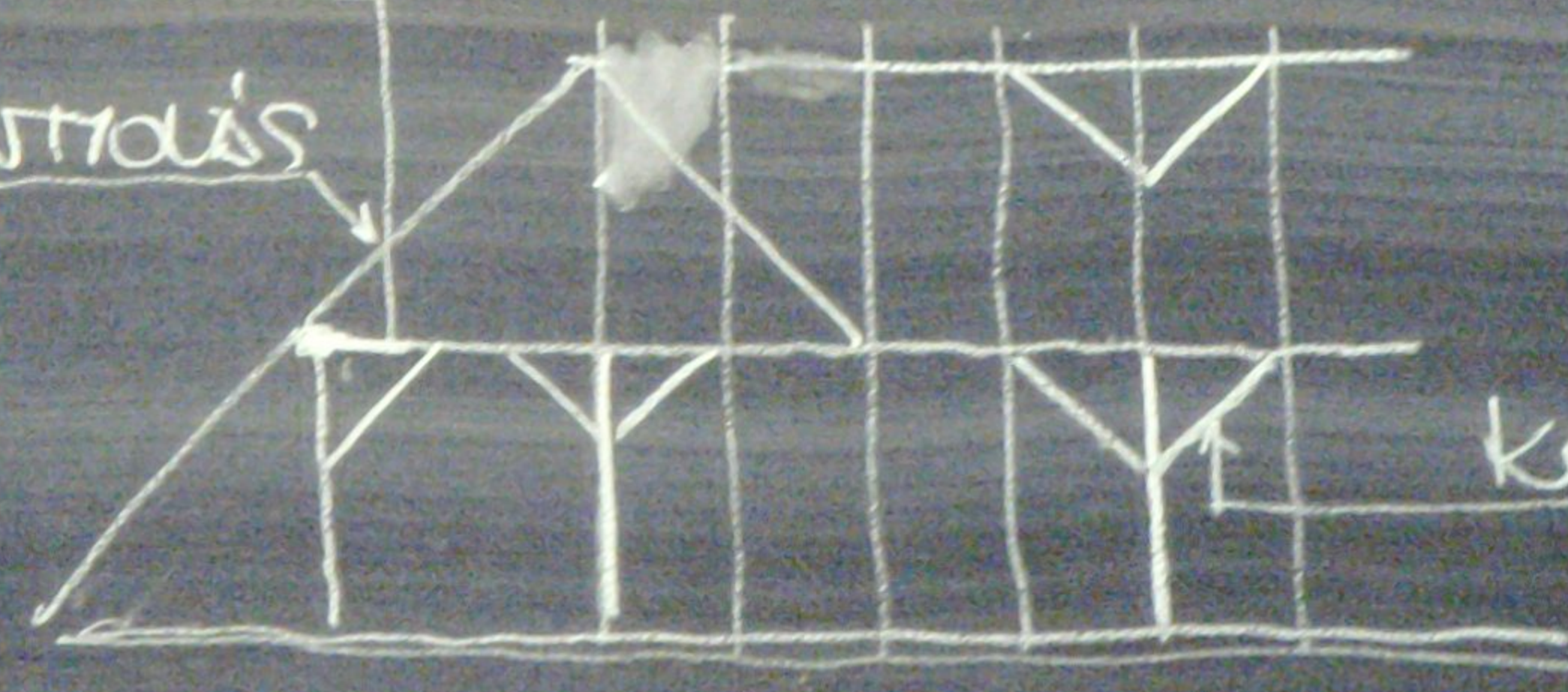
TOROK TÁRSÓ



ÉRKEKES - ÉREMEKES

VIZONTES KÖTŐK

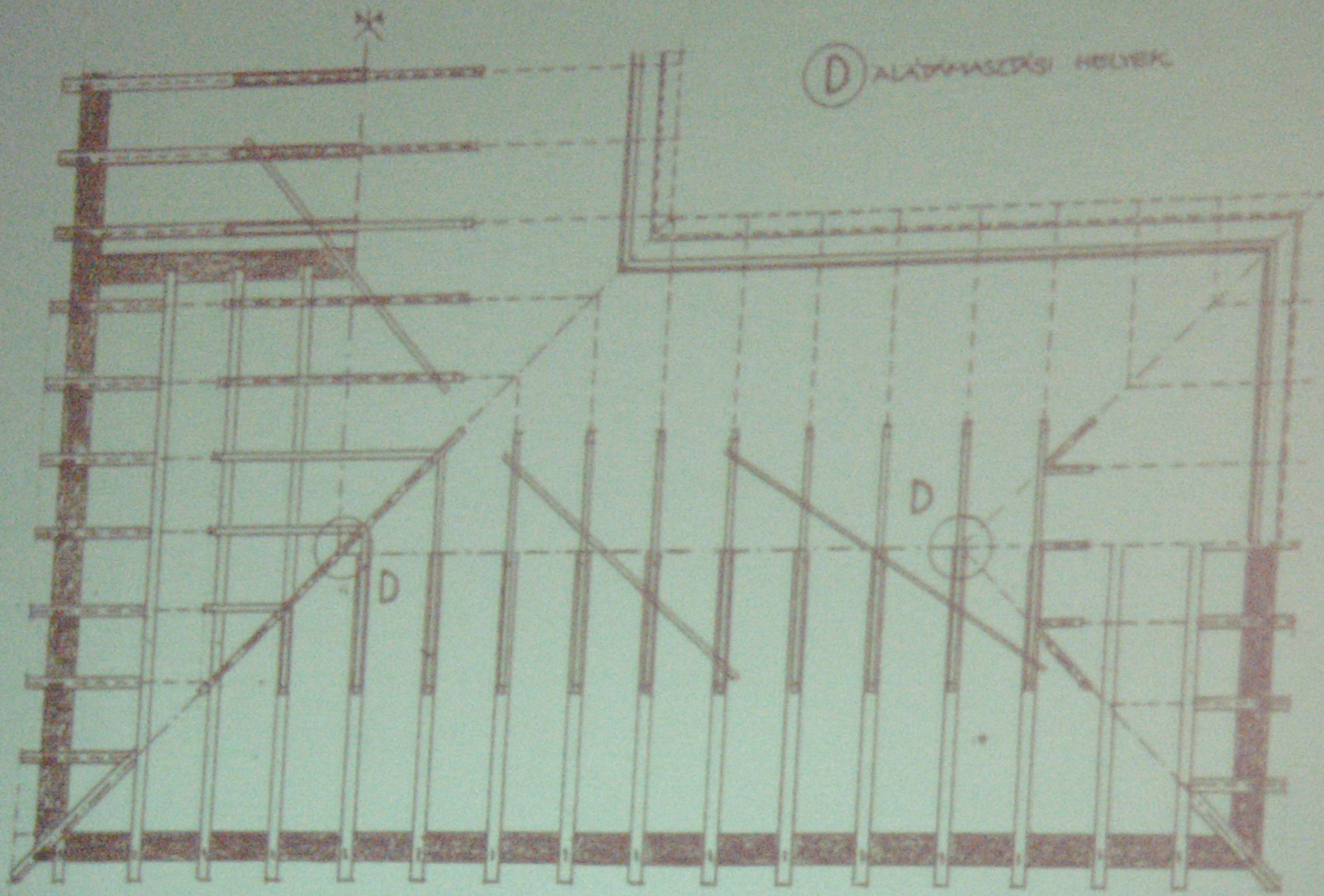
KÖNYÖLÉS



KÖTŐK TÁK (ORLÓP. ÉREMEK)



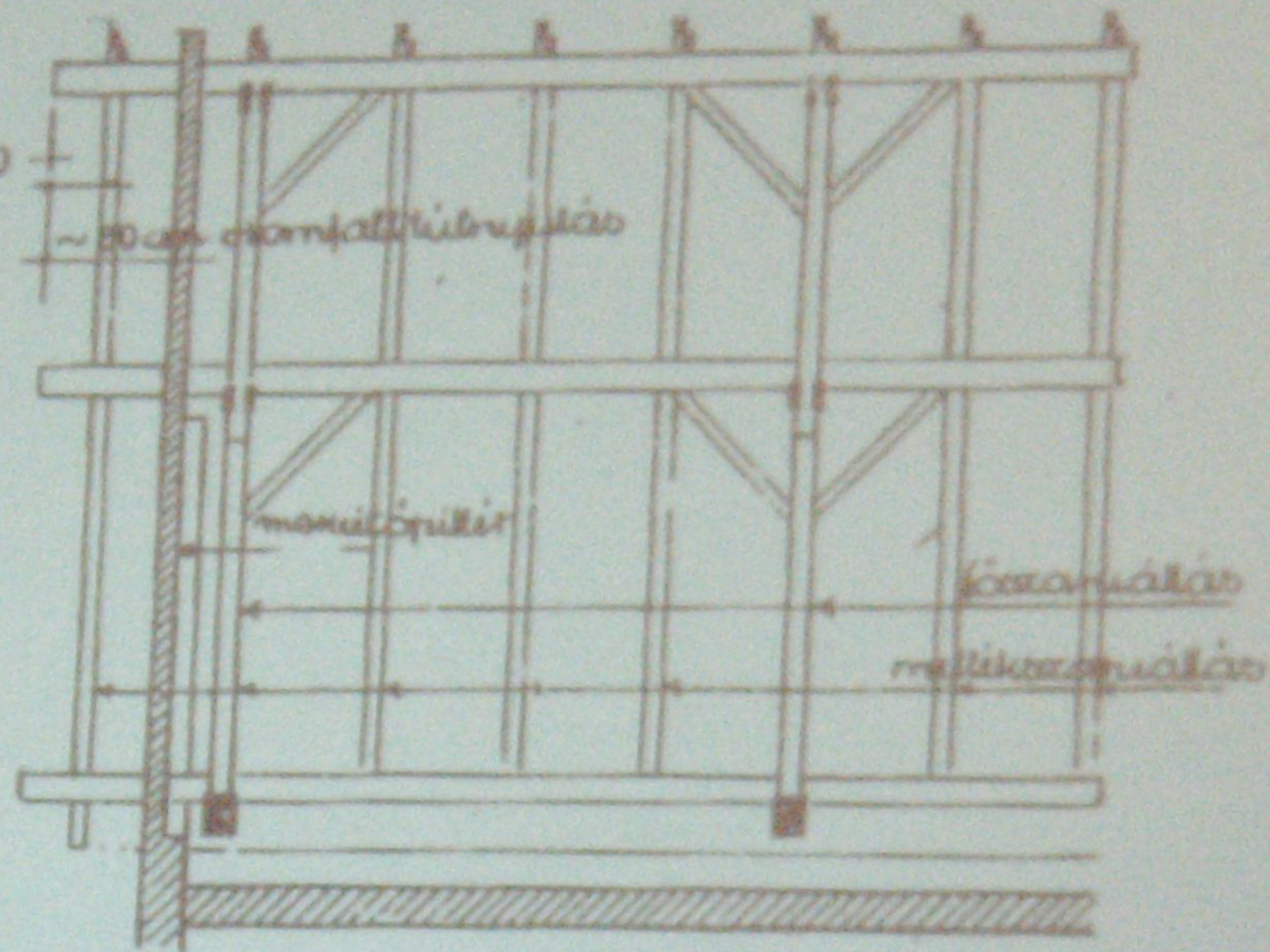
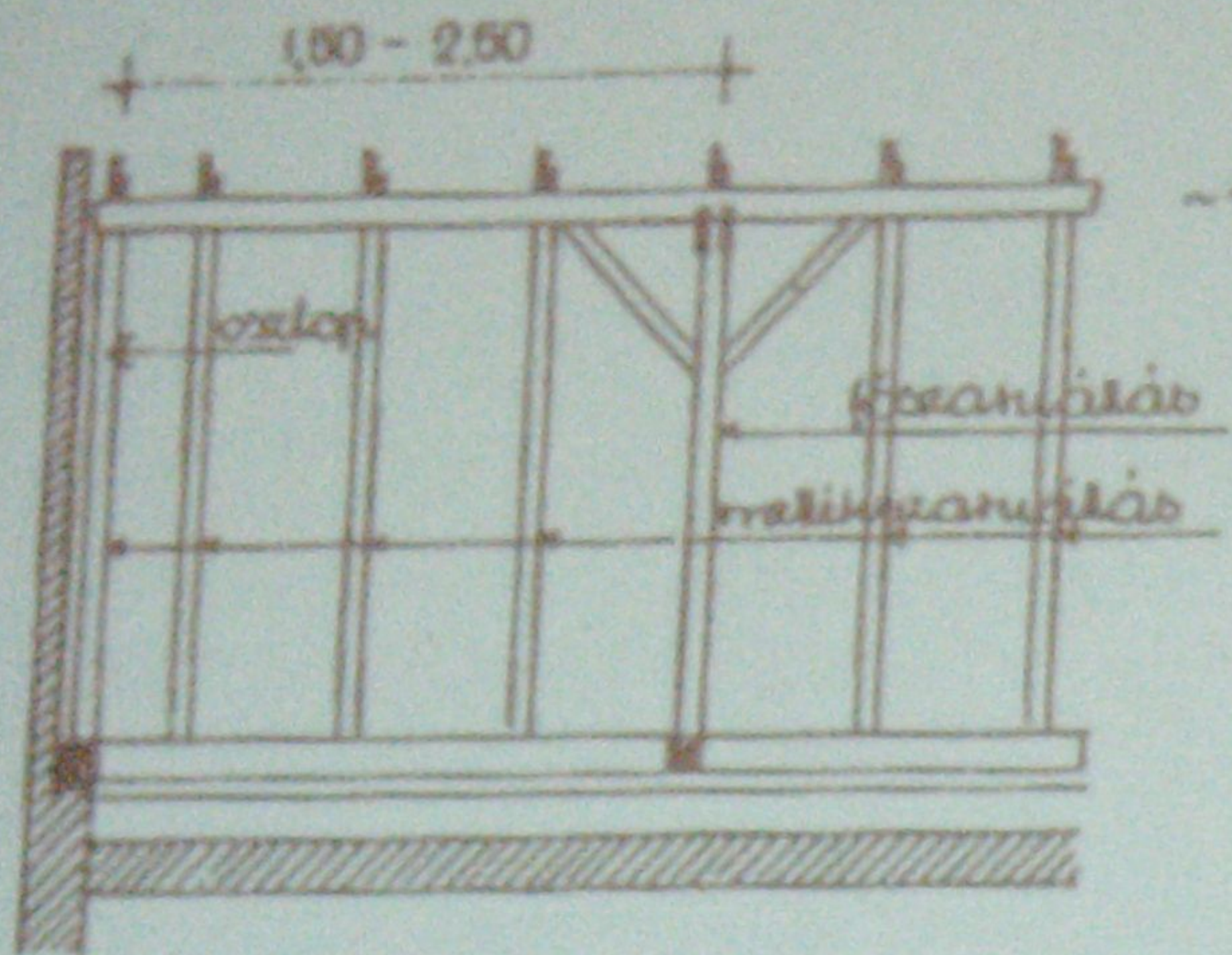
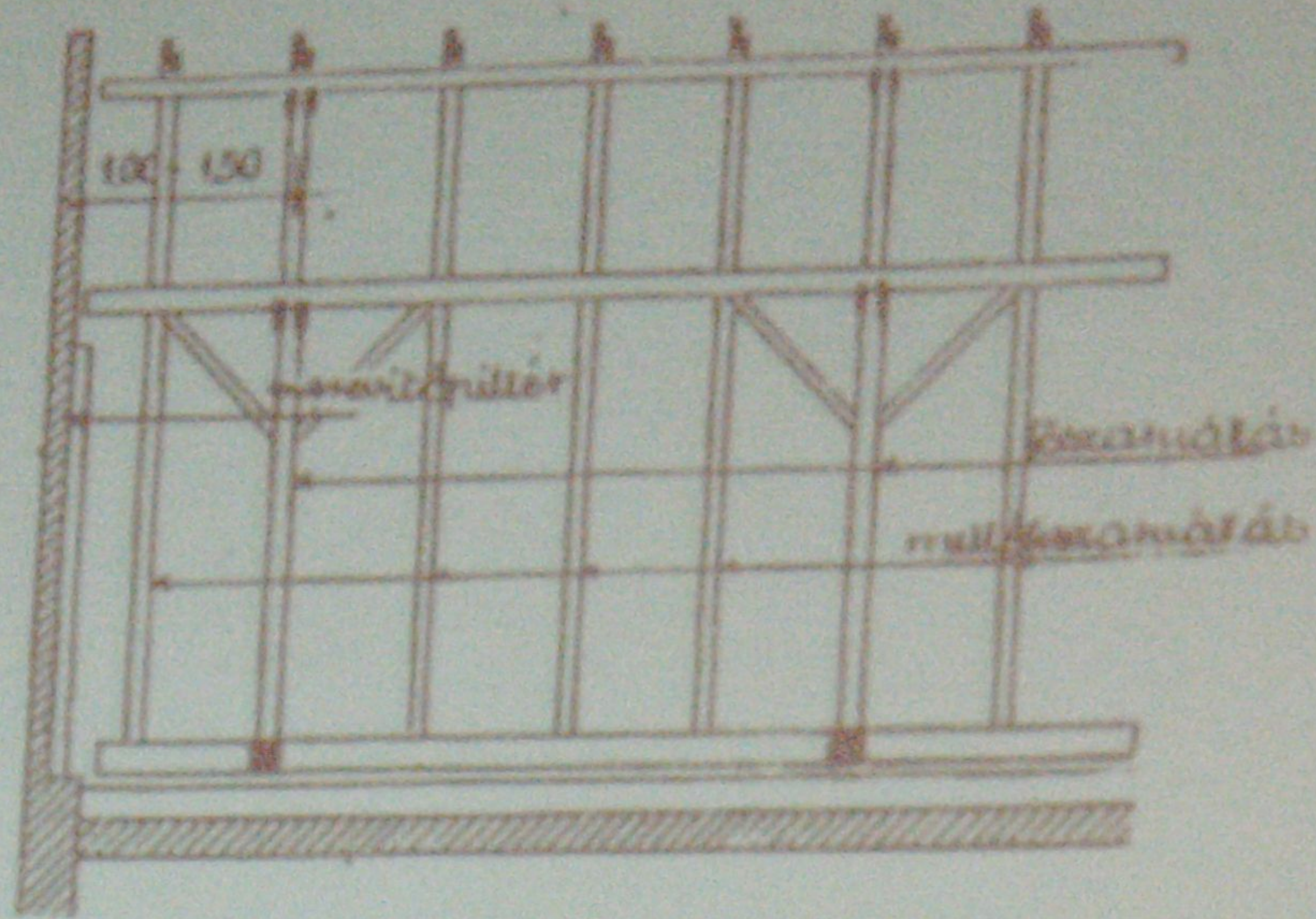
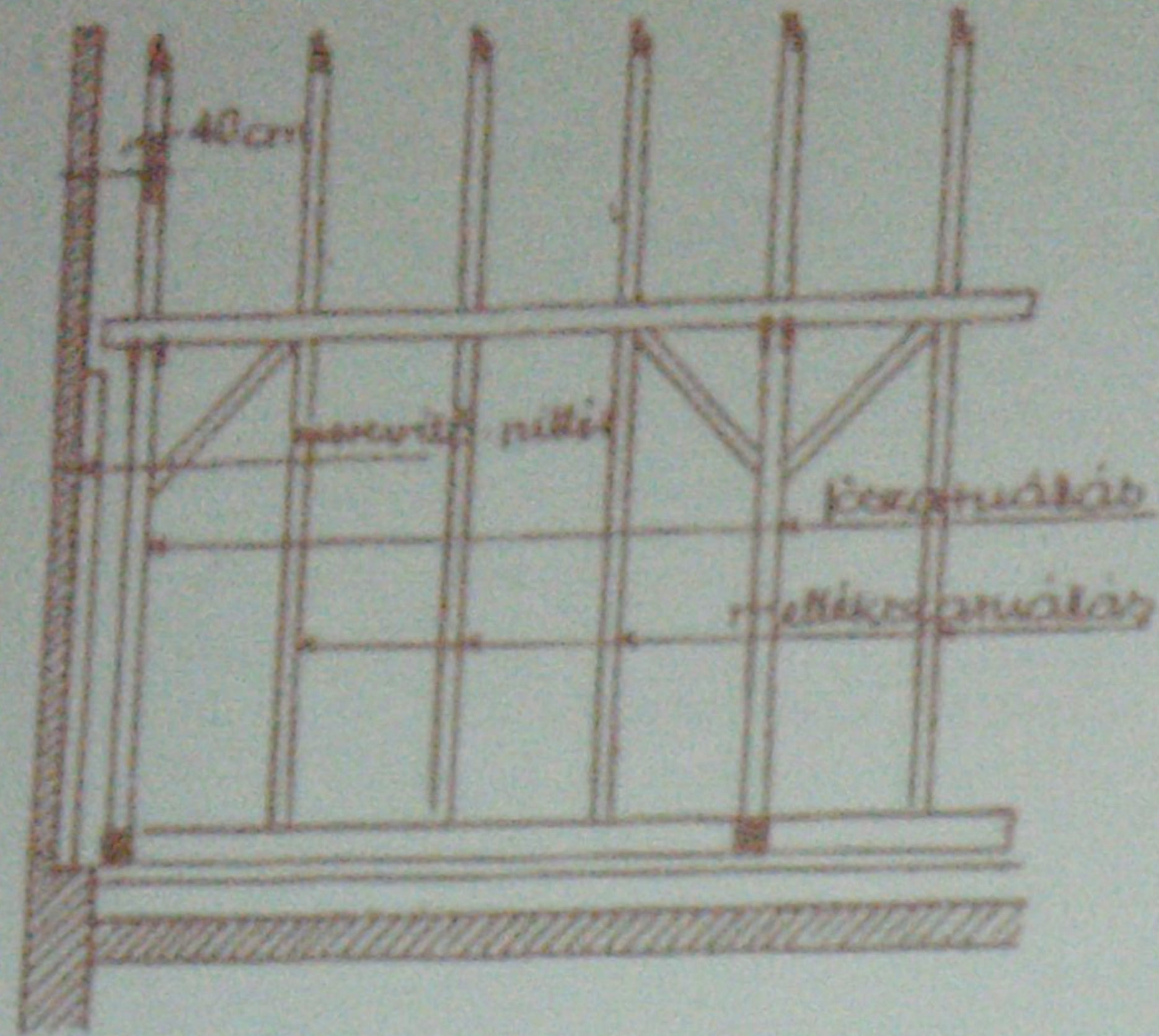
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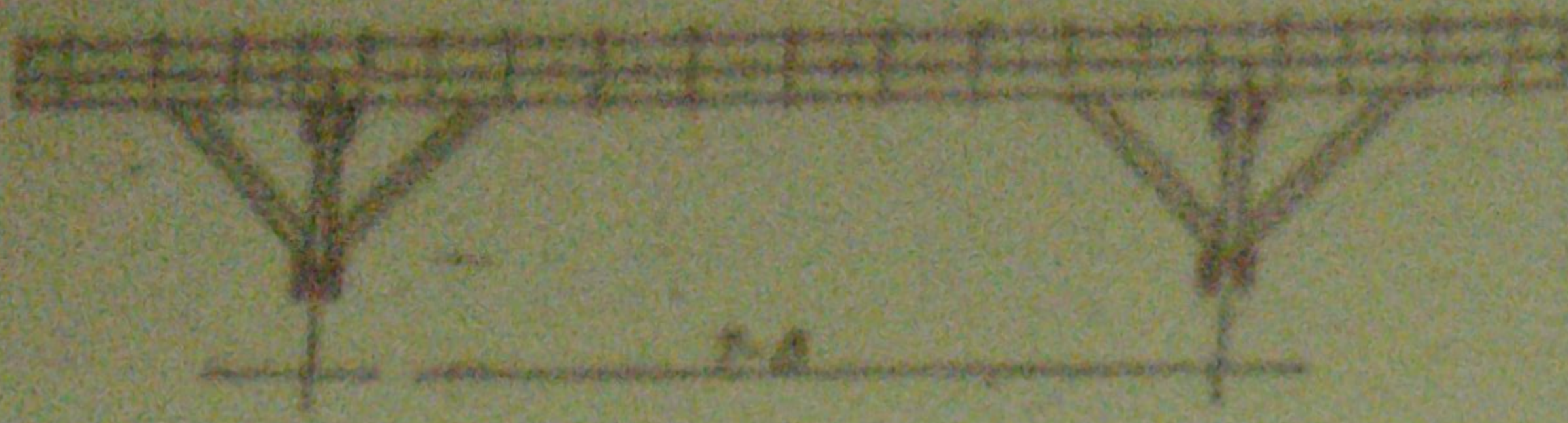


① ALÁNYASZÁSI HÉLYEK

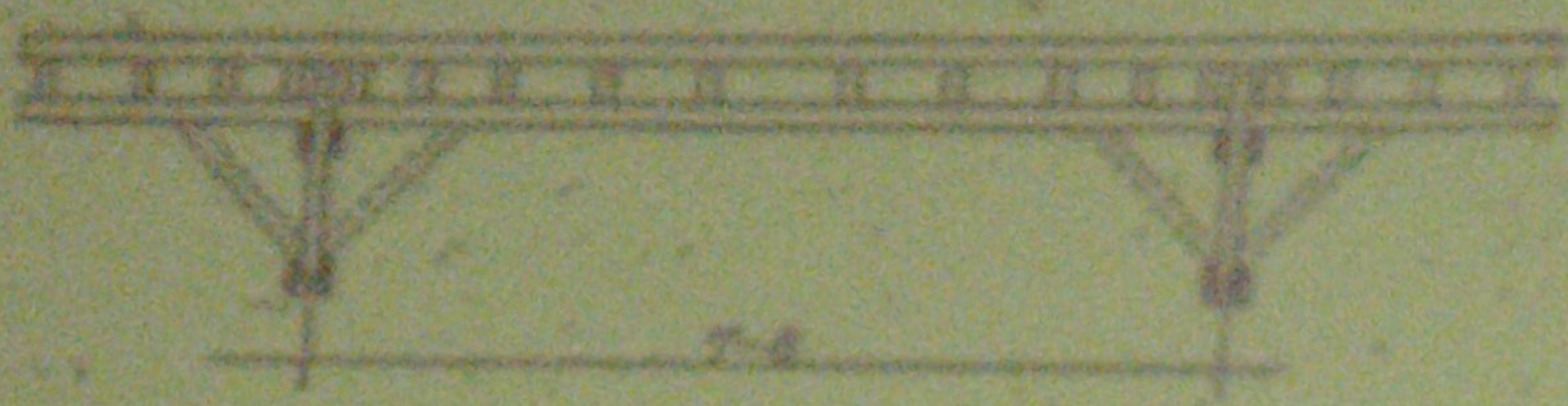
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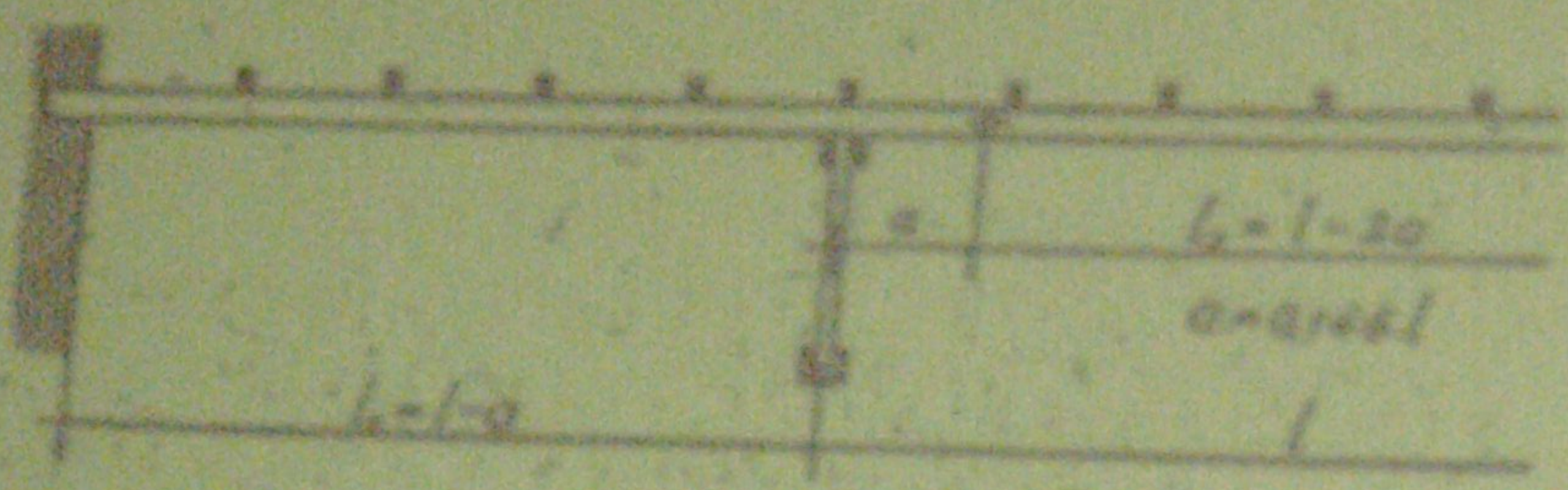




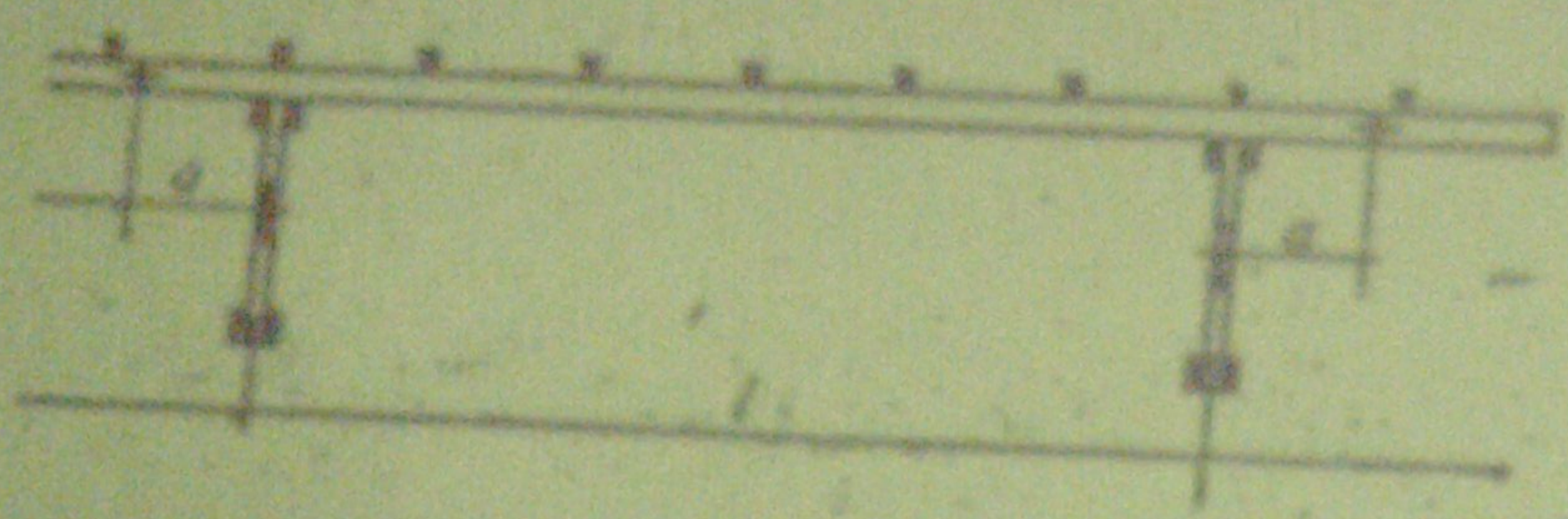
Kettős szelelem.



Kettős szelelem.



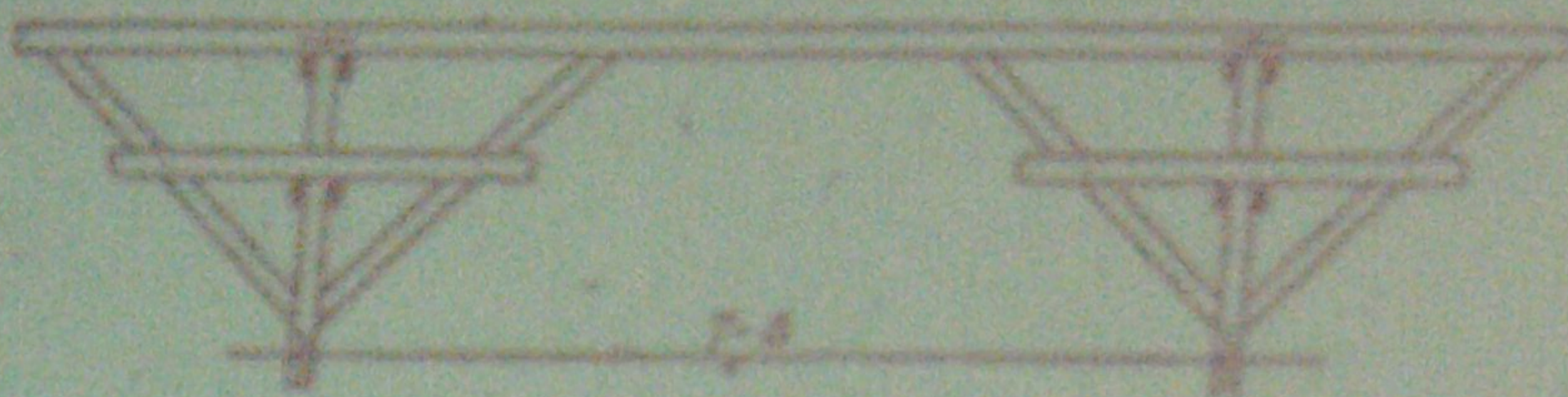
Csuklás többtámaszú, tartóként képzett szelelem.



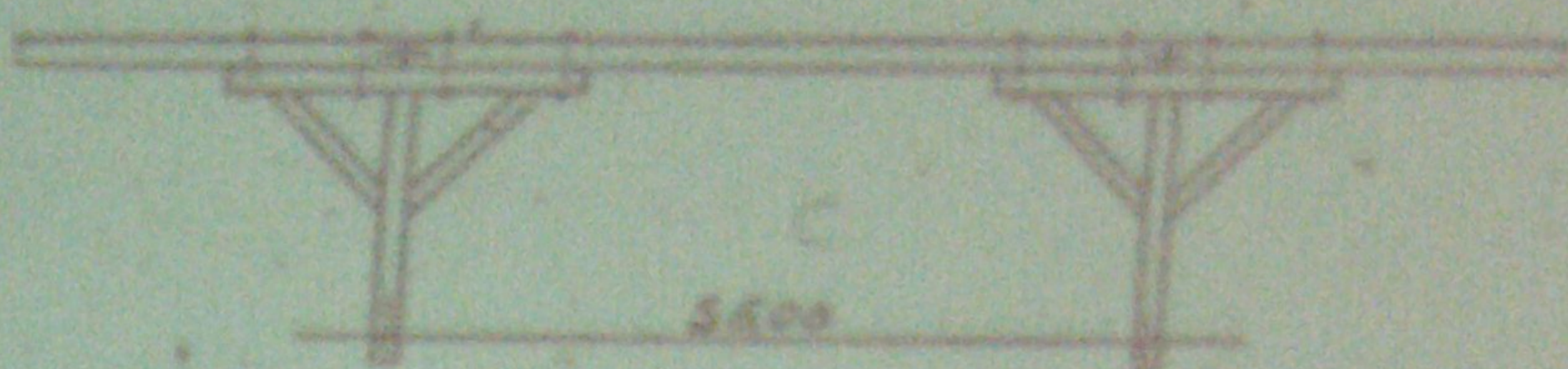




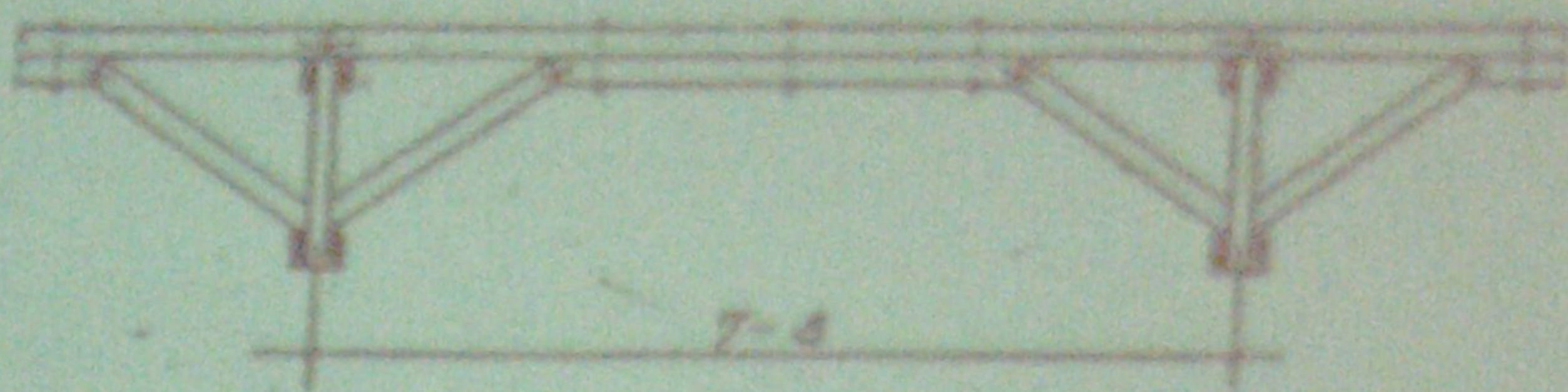
Egyszerű karpántos szelemen



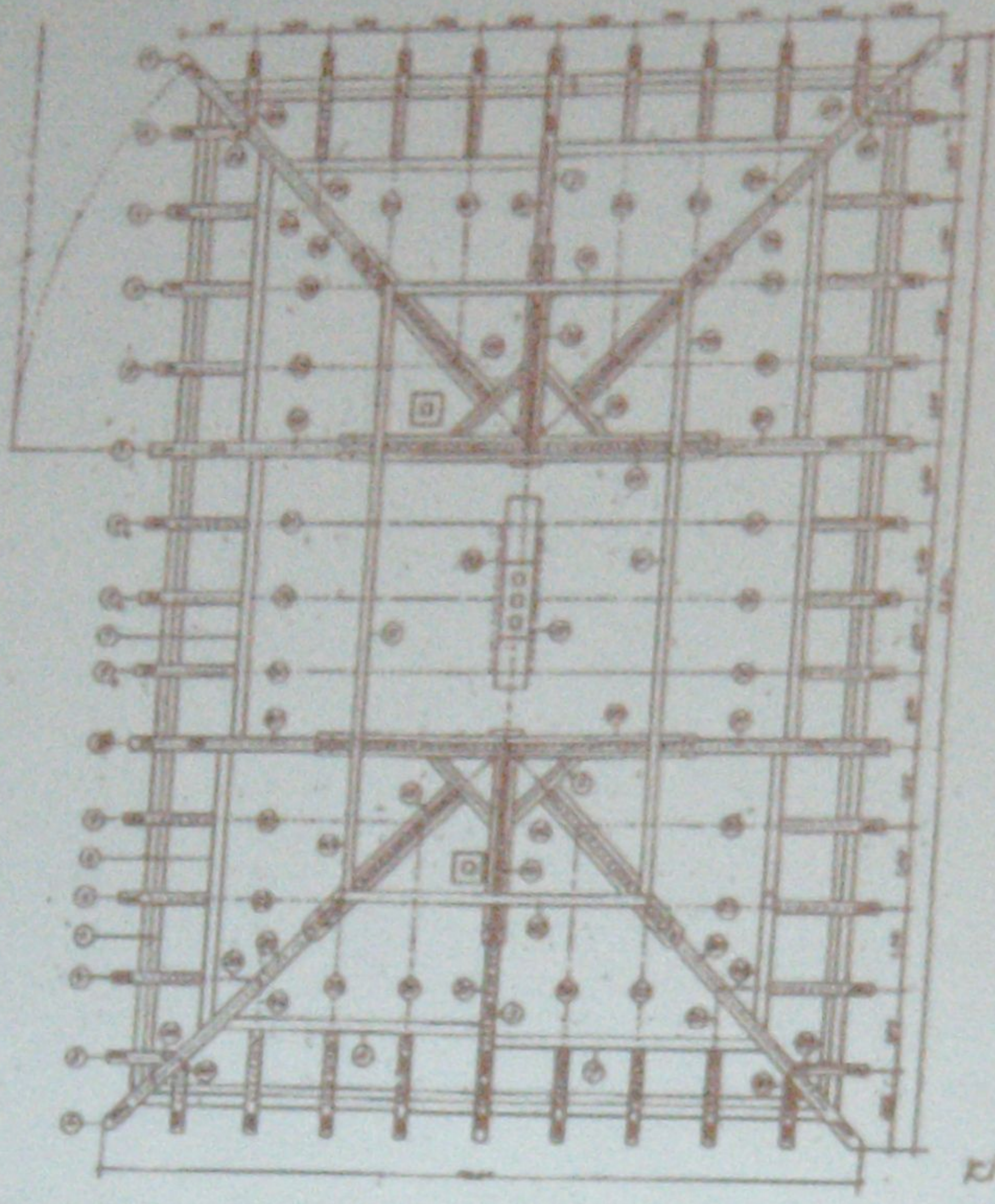
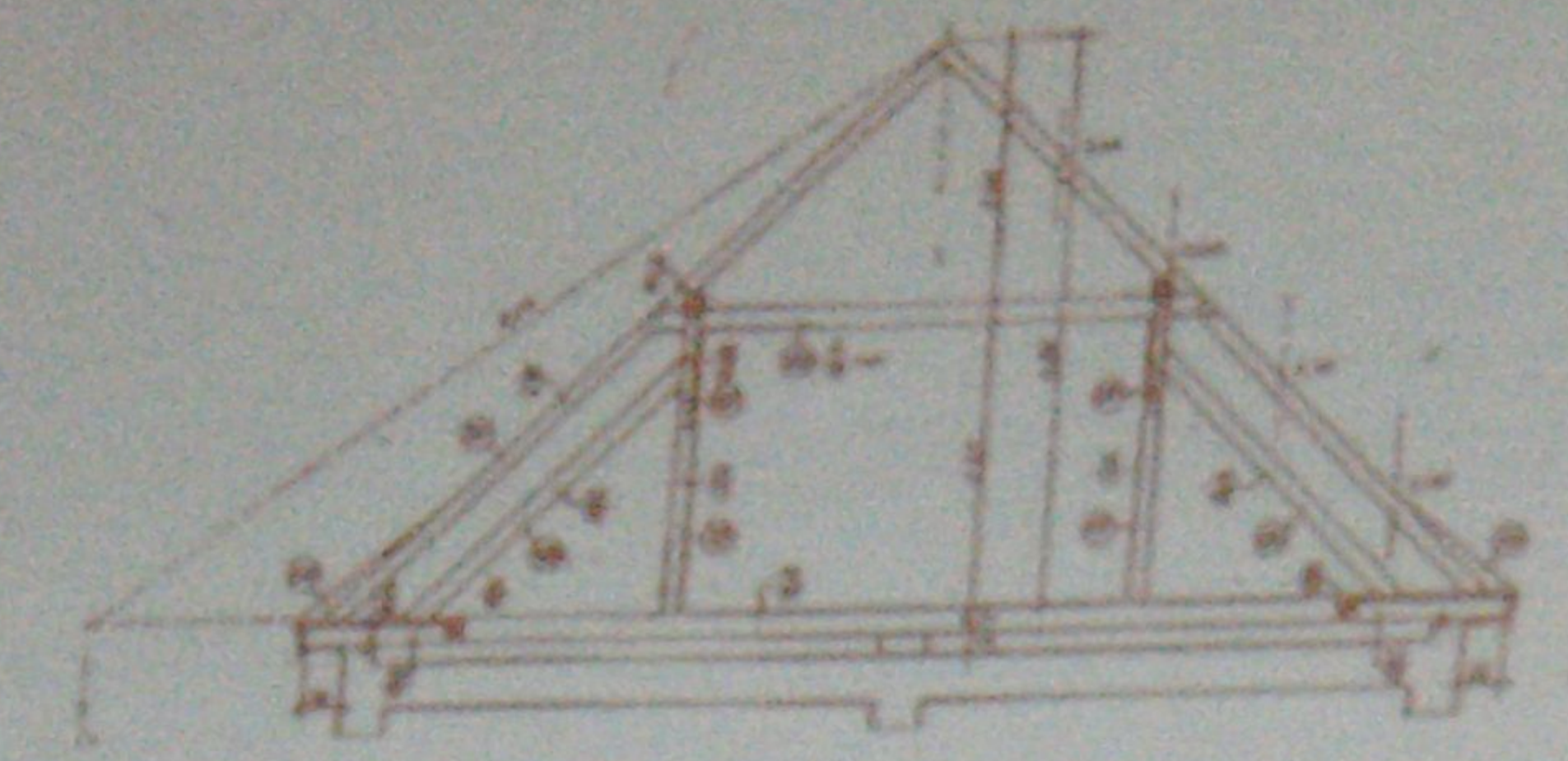
Nagy karpántos szelemen



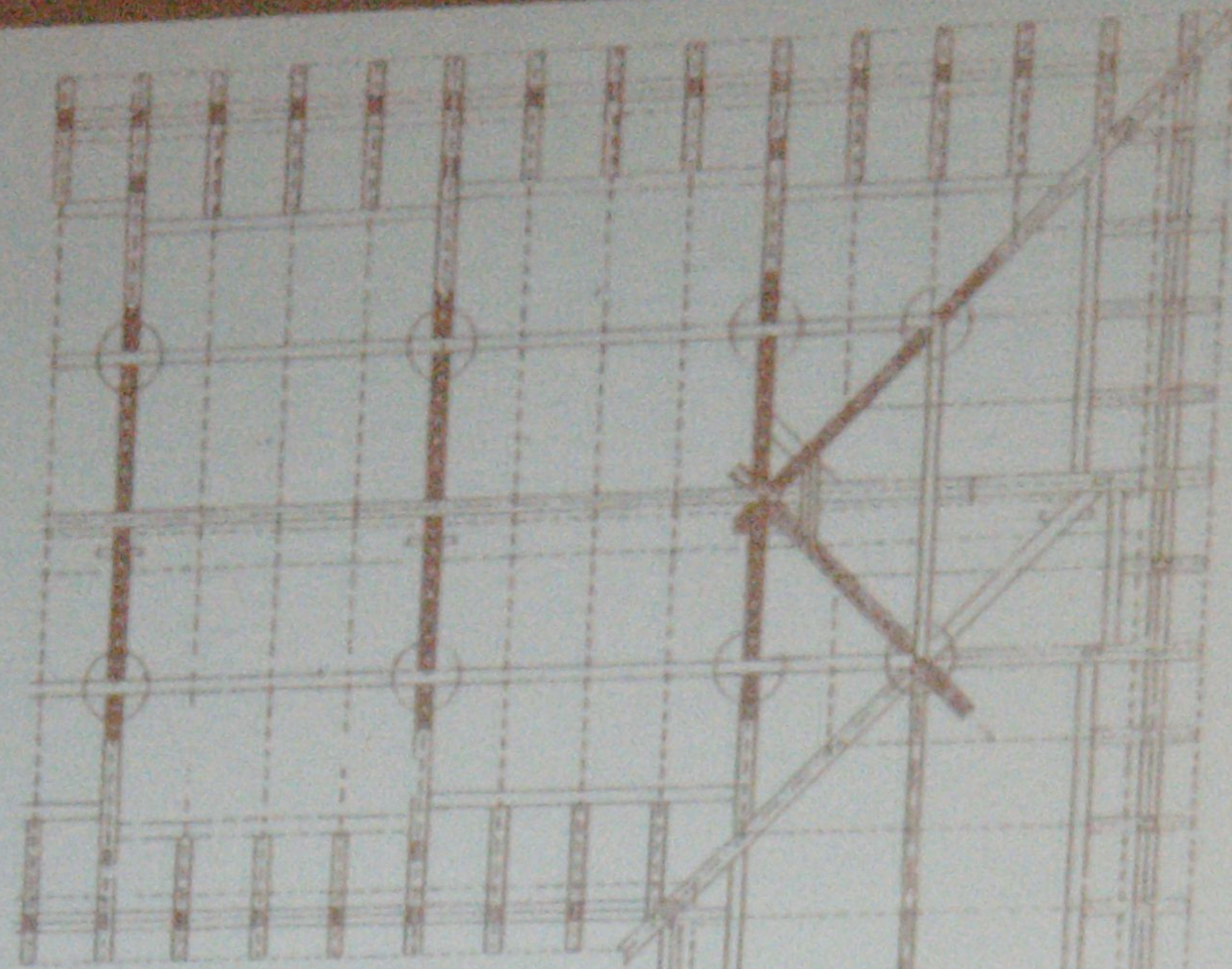
Nyeregűs szelemen



Feszítőműves szelemen



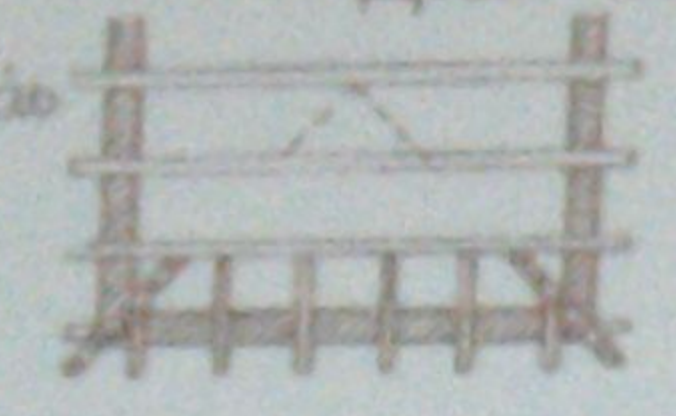
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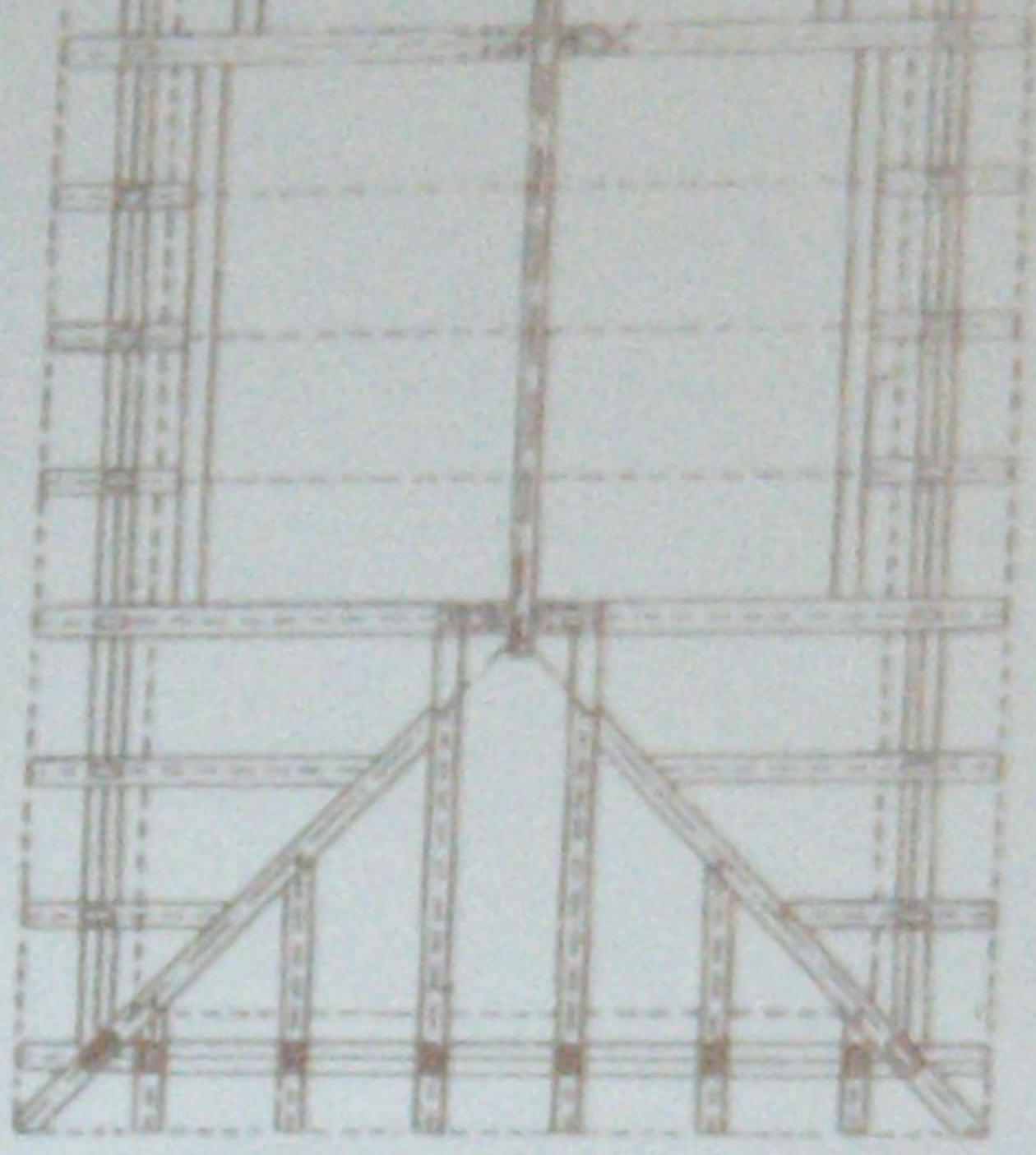
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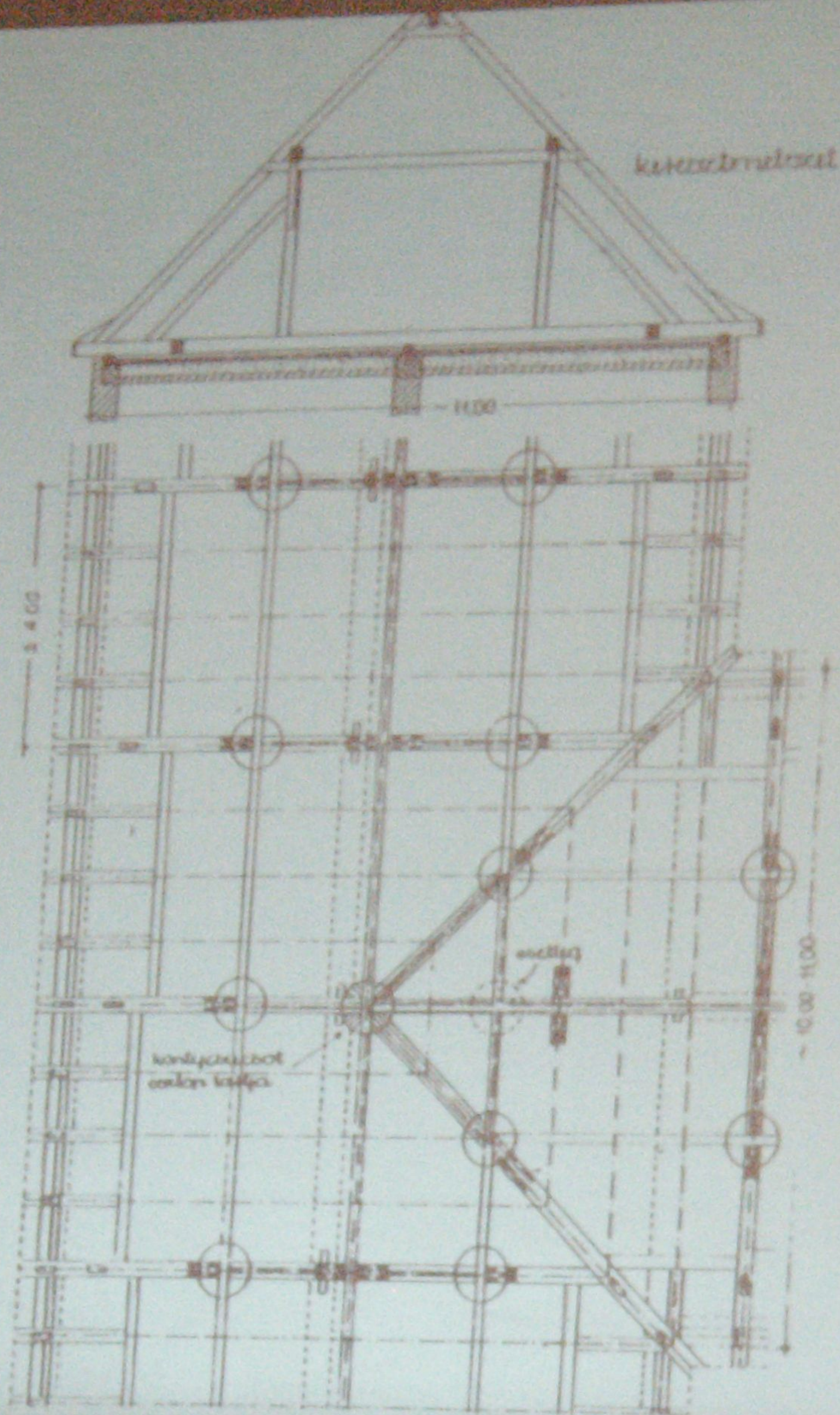
alternativ  
xatpaxoqtao

kapdim eadim

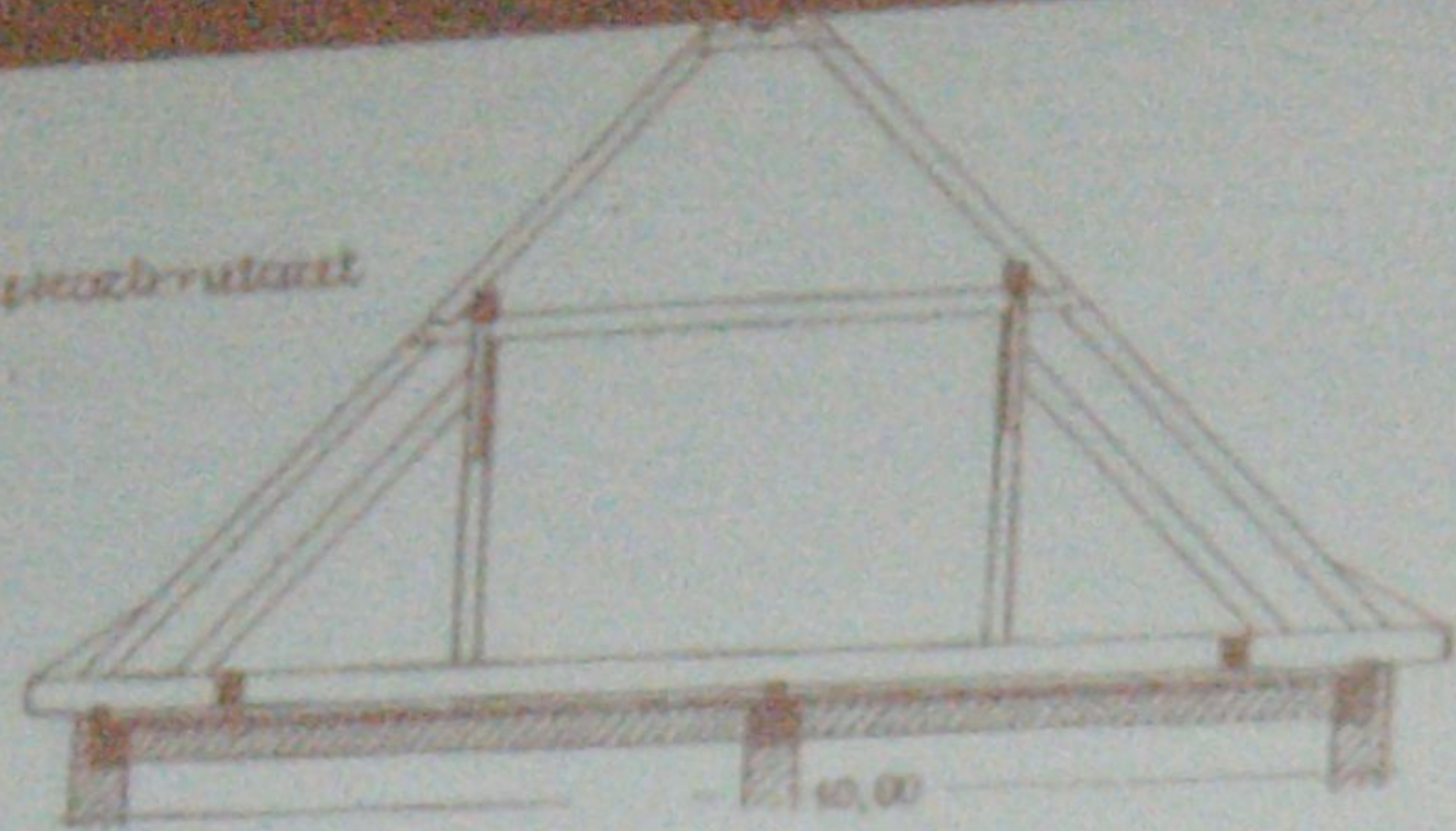


konduqaxoqtao  
of xaxhuda  
xatpaxoqtao

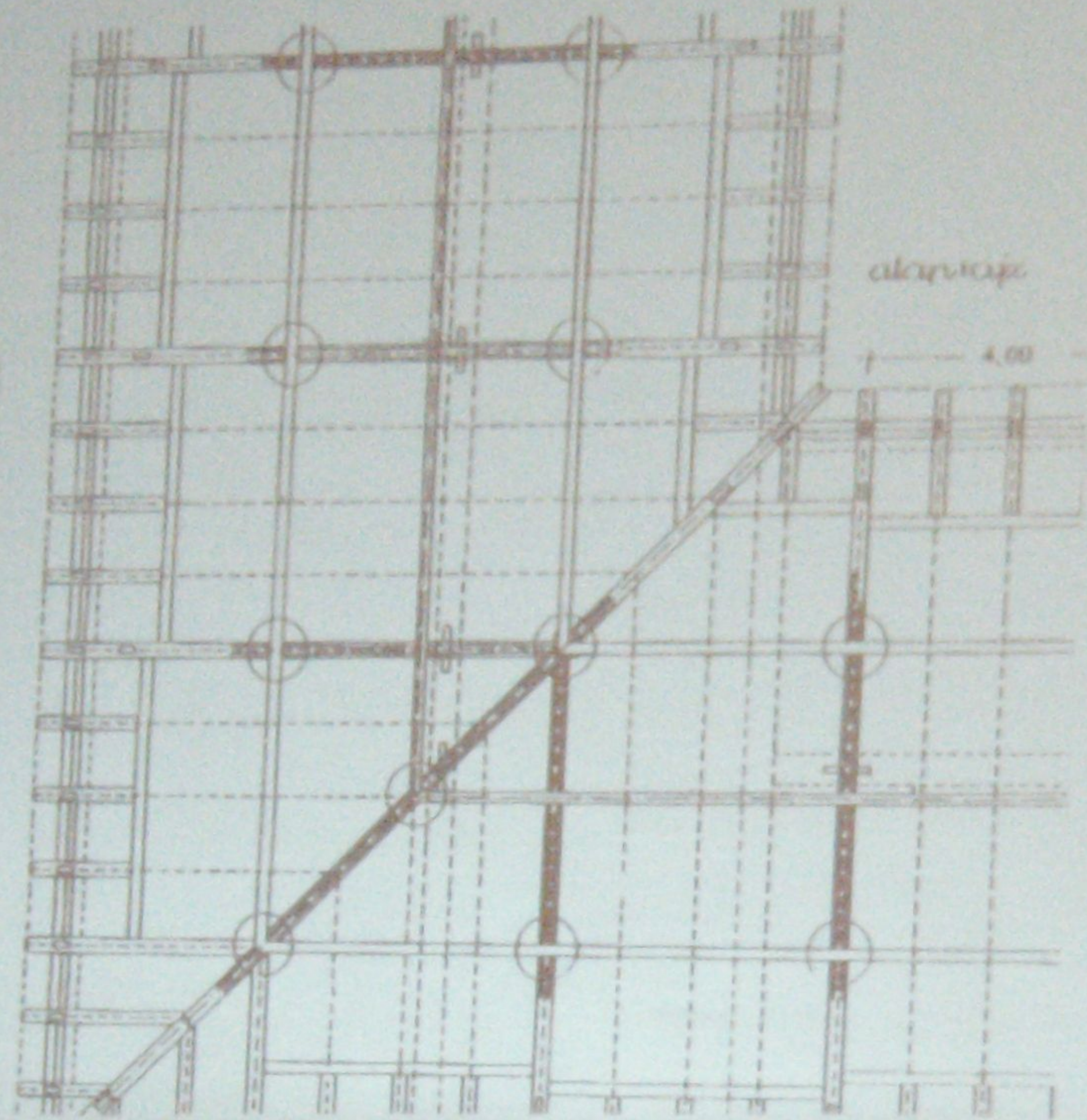


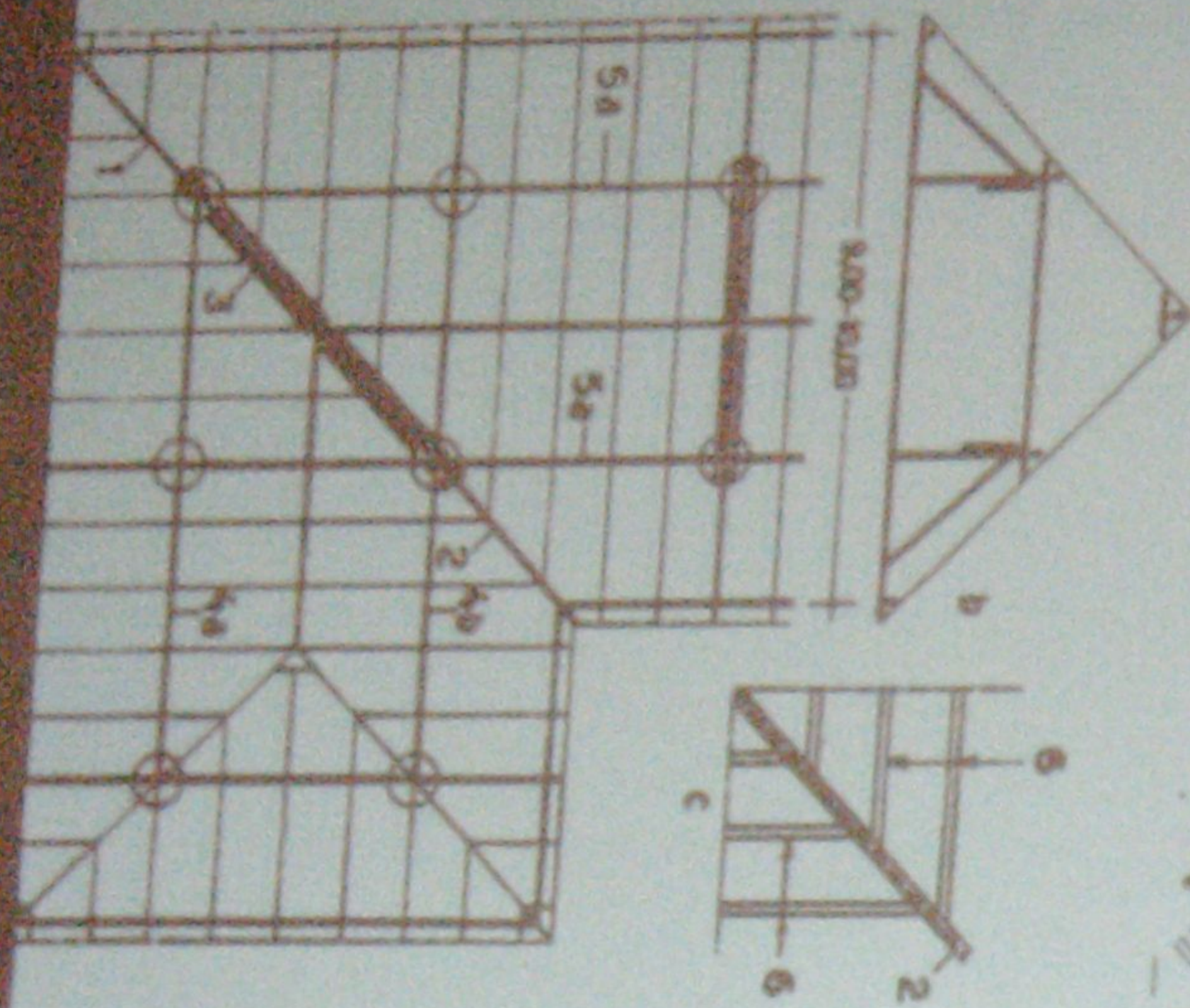


красивый

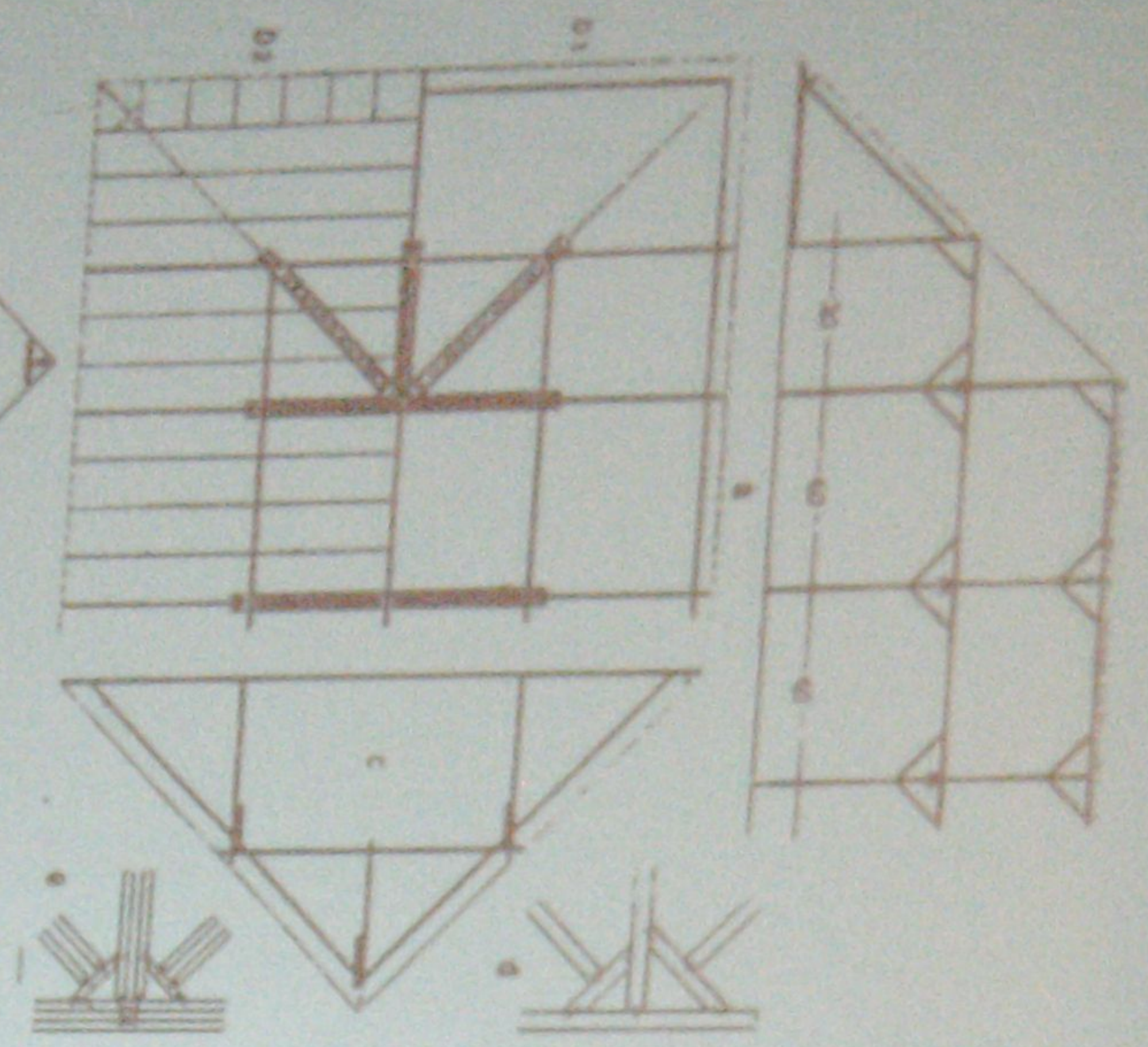


аларта

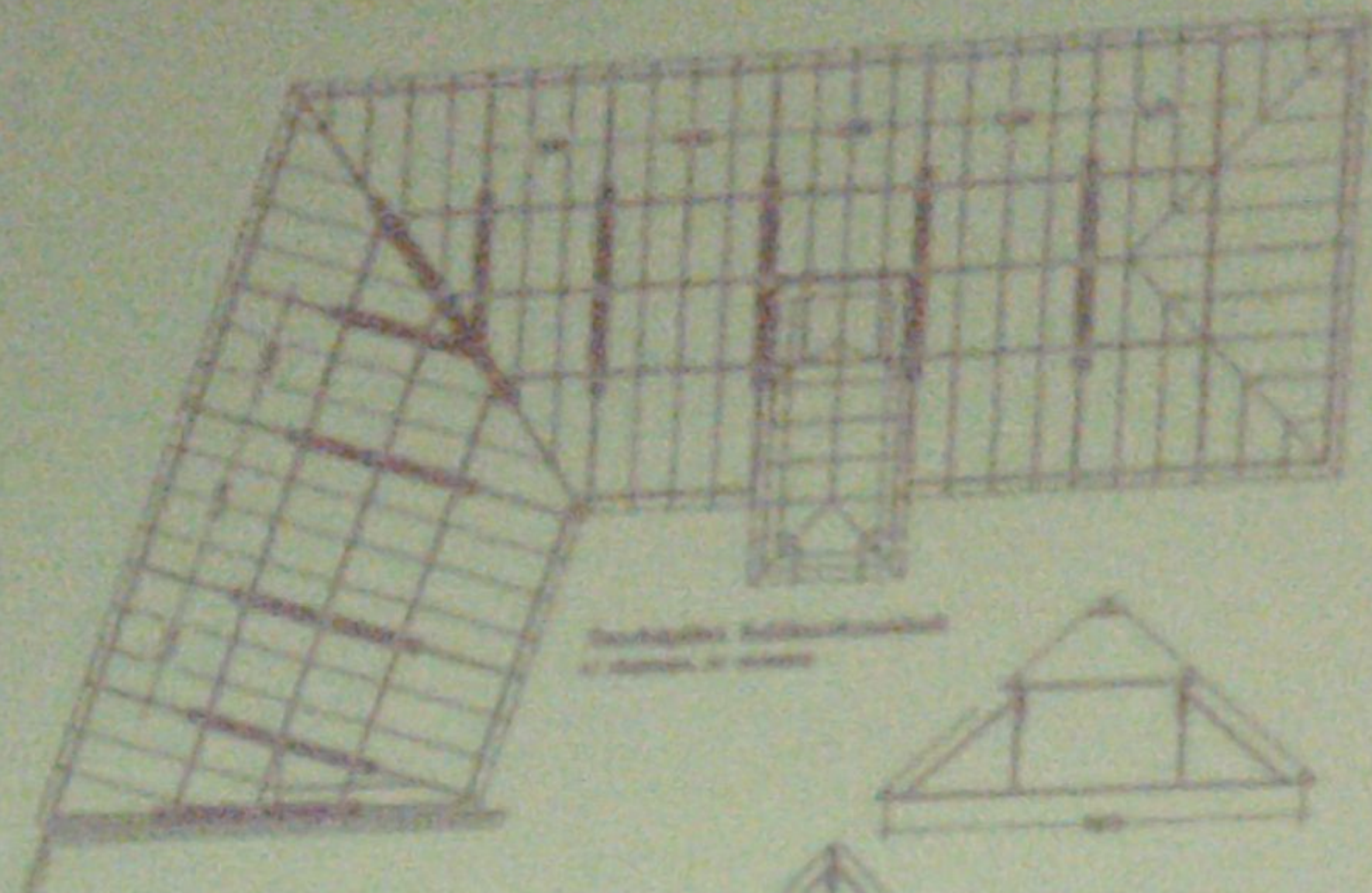




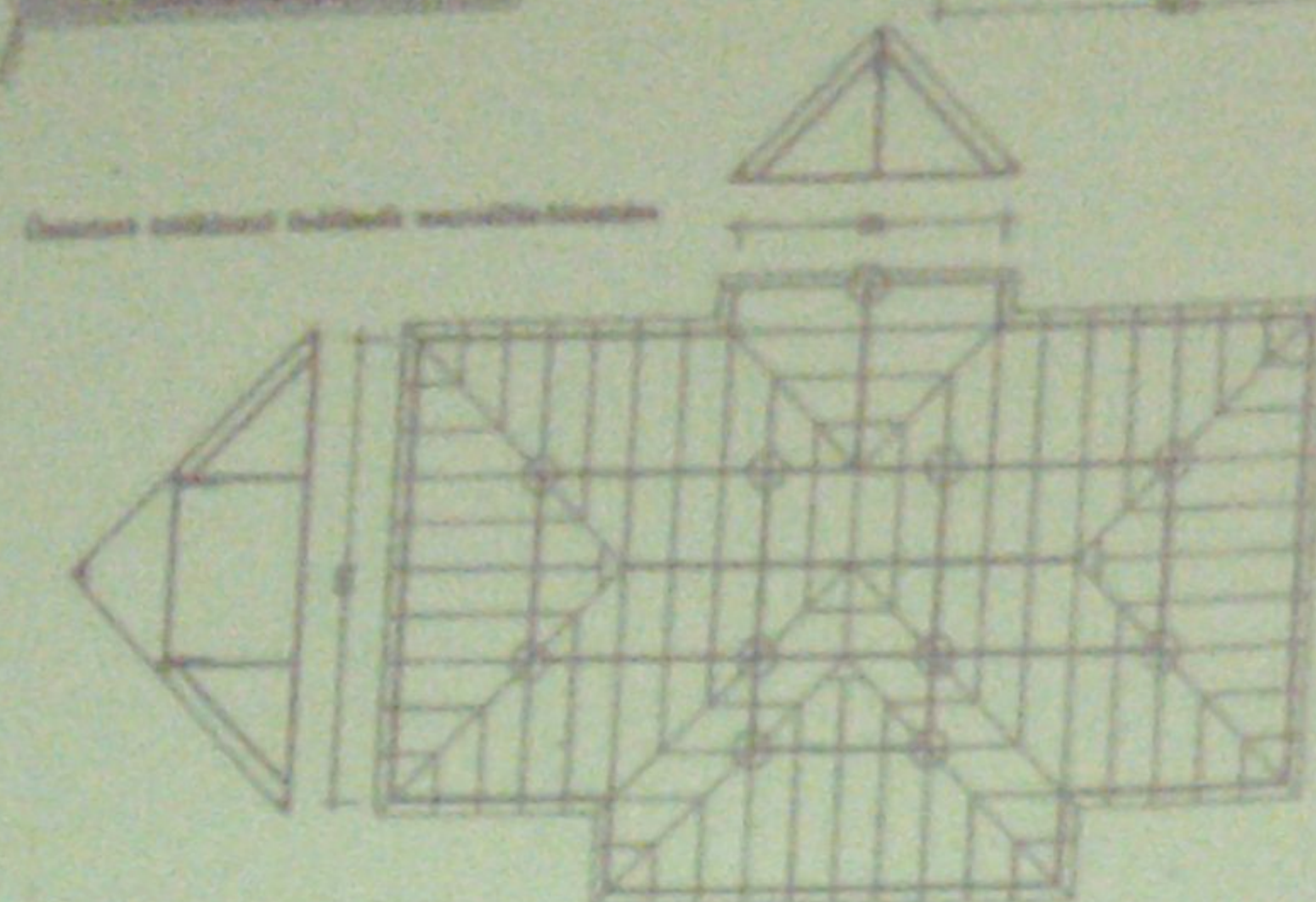
Egyenlő esősségű épületszárnyak találkozásának fedélszerkezmegoldása;  
 a) alaprajz, b) metszet, c) alternatíva: nem rey posztes találkozó símszó szaruk; 1 — fémcsiga; 2 — vápacszara; 3 — kettős fémcsiga; 4—4 — mechemenck (az 1 jelű elemeken róli a 4 jelűre); 5 — símszó szaruk



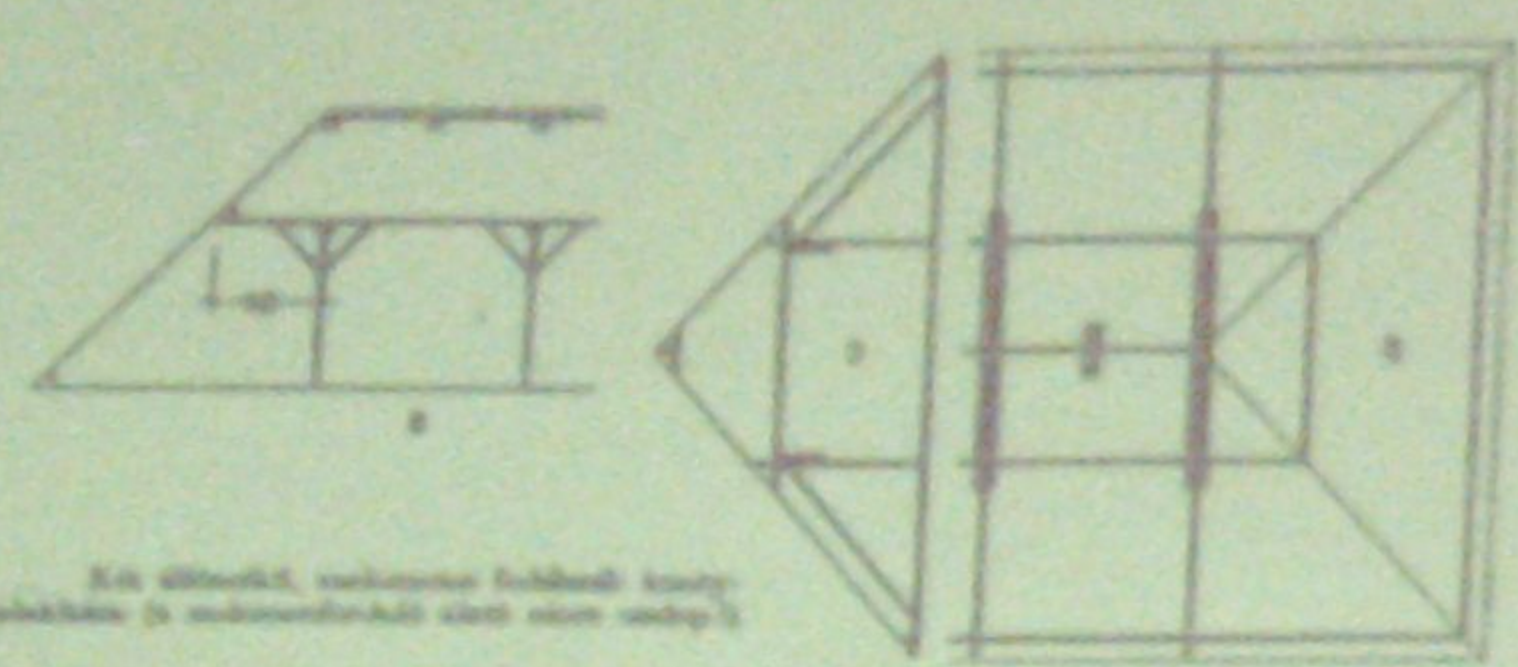
Három állószékű, szolemeres fedélszerkezték konty-kialakításán;  
 a) hosszmetézet, b<sub>1</sub>—b<sub>2</sub>) alaprajz, c) keresztmetézet, d) fűzfák találkozás



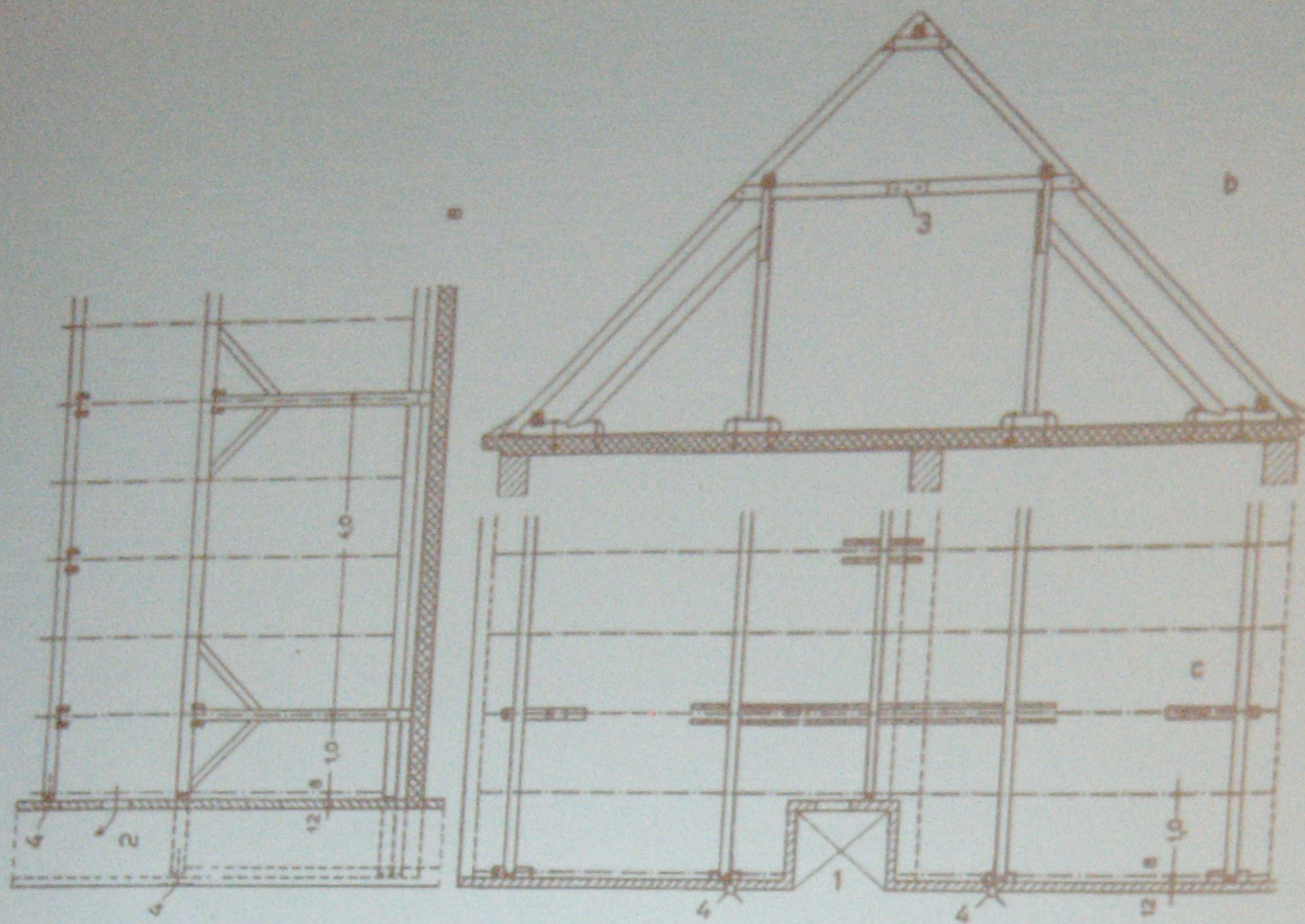
Сечение кровли с дымоходом



Сечение кровли с дымоходом

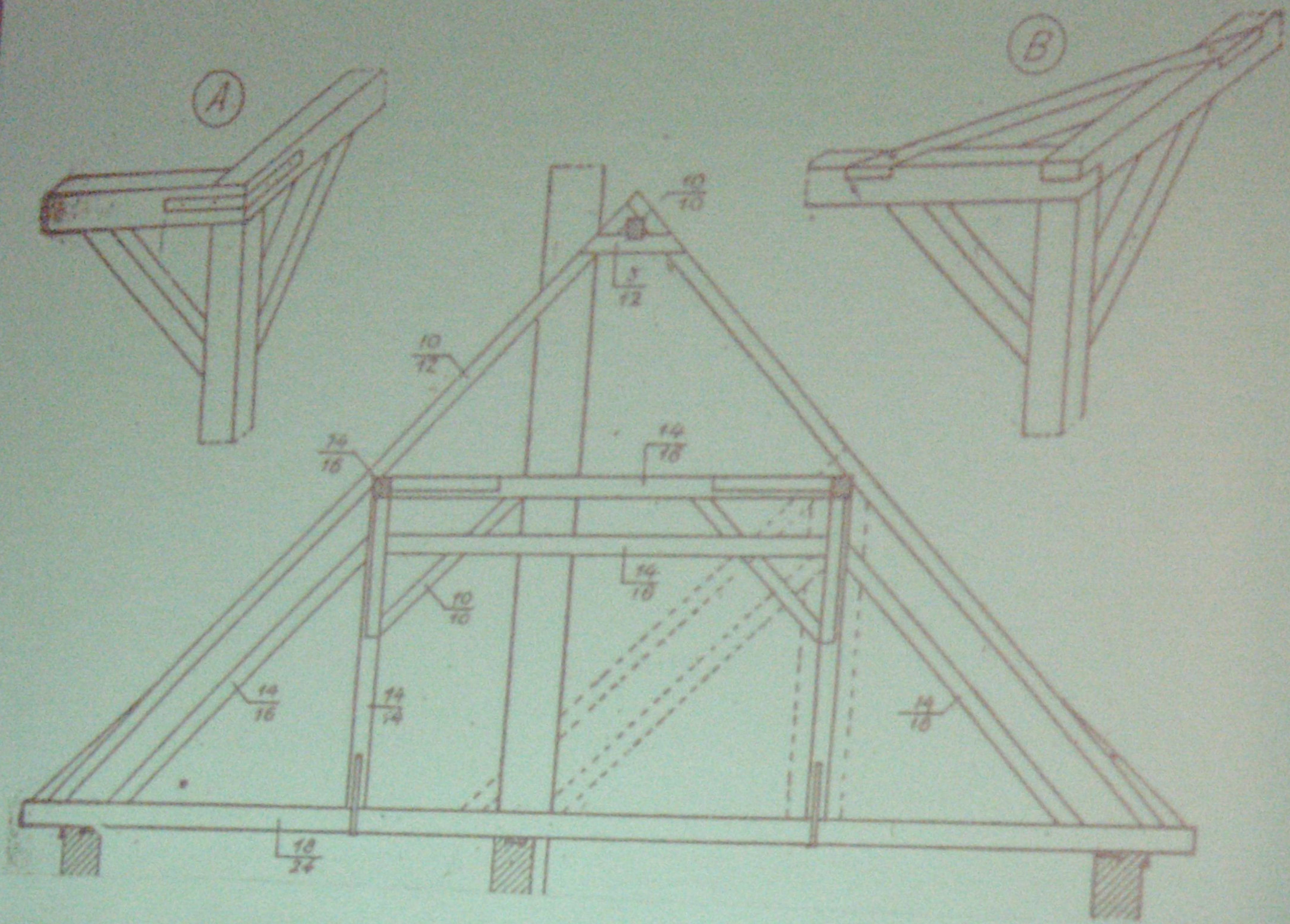


Сечение кровли с дымоходом

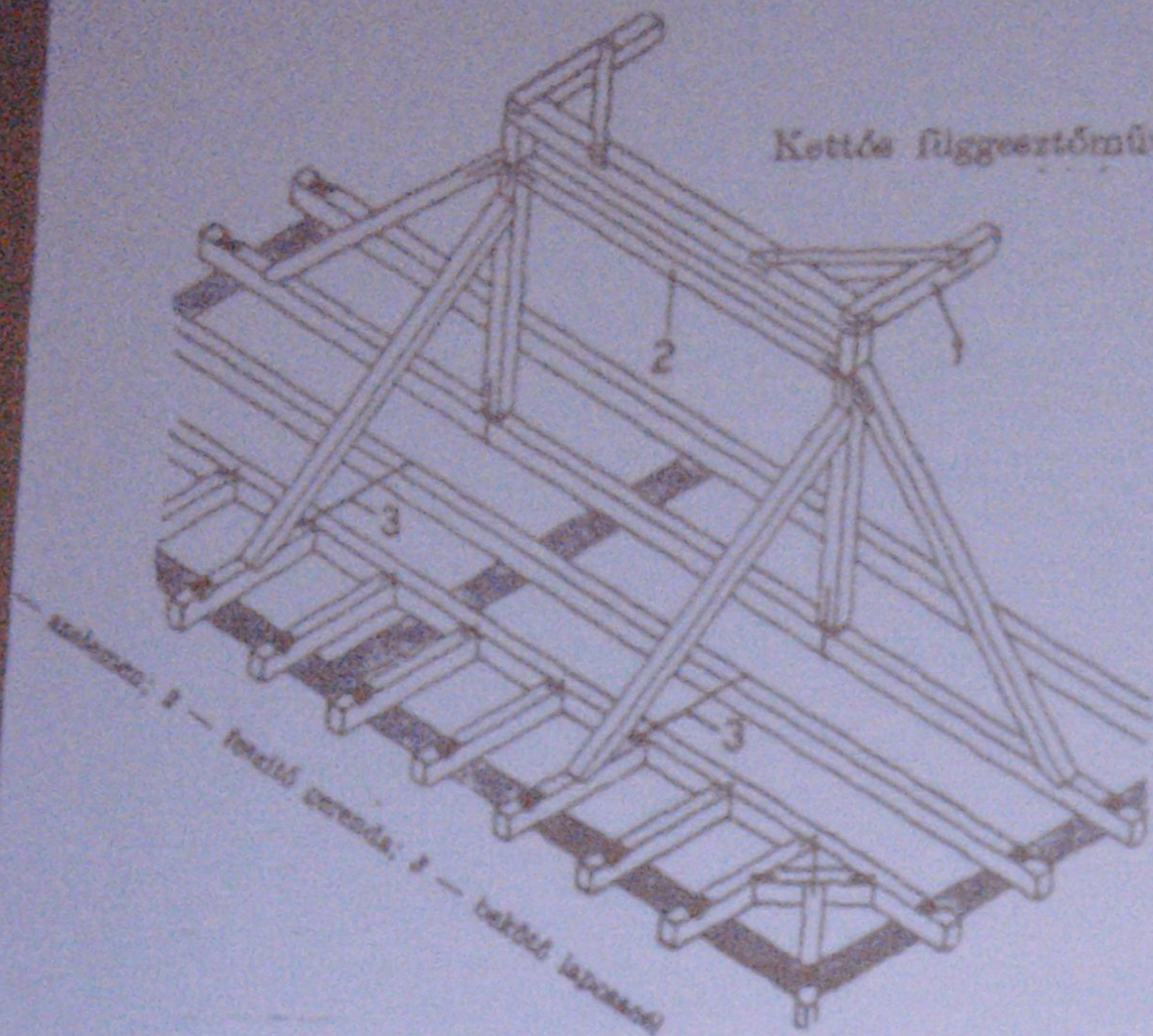


Nyeregfedél és tűzfal melletti szellőzdudvar viszonya;



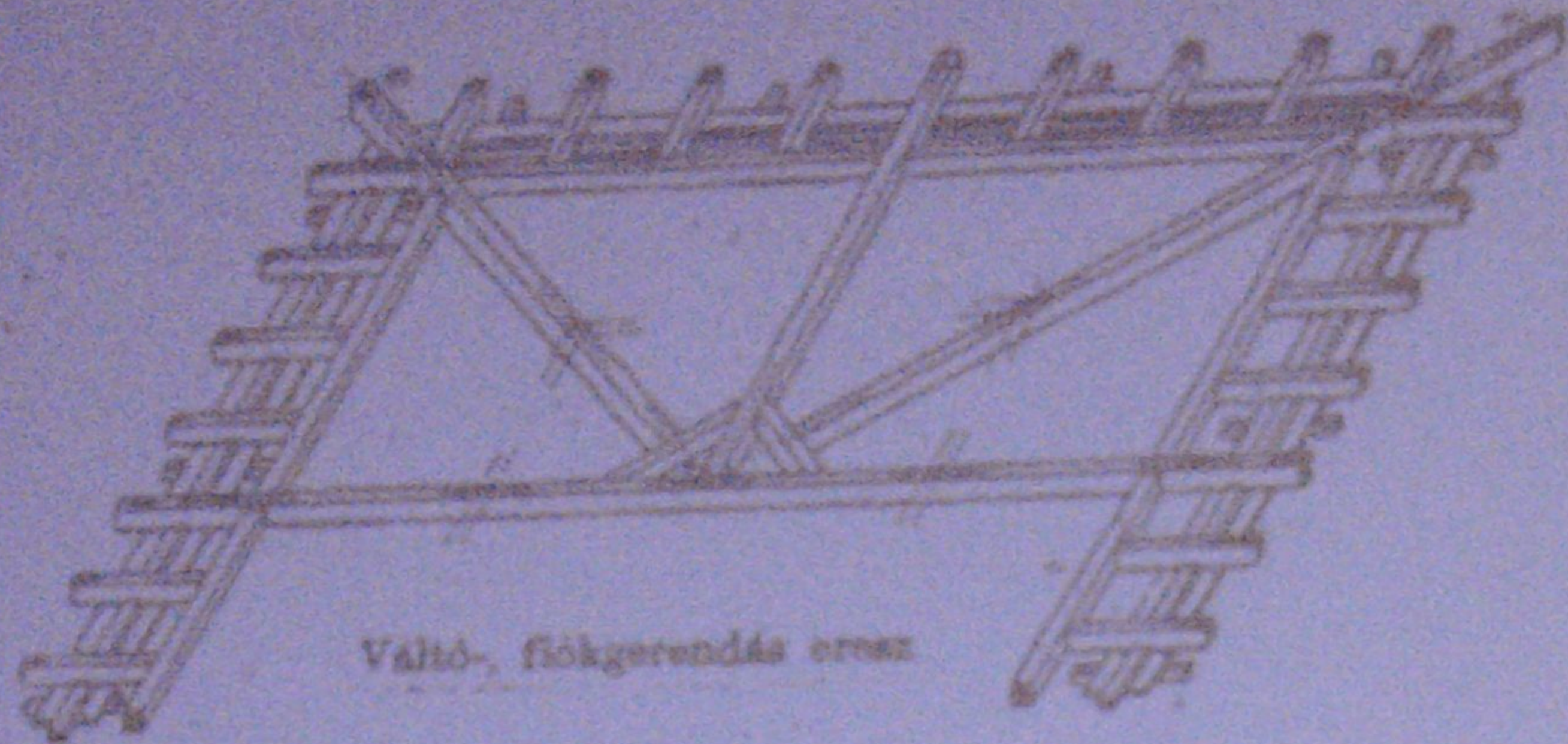


Kettős függesztőműves fedélzék

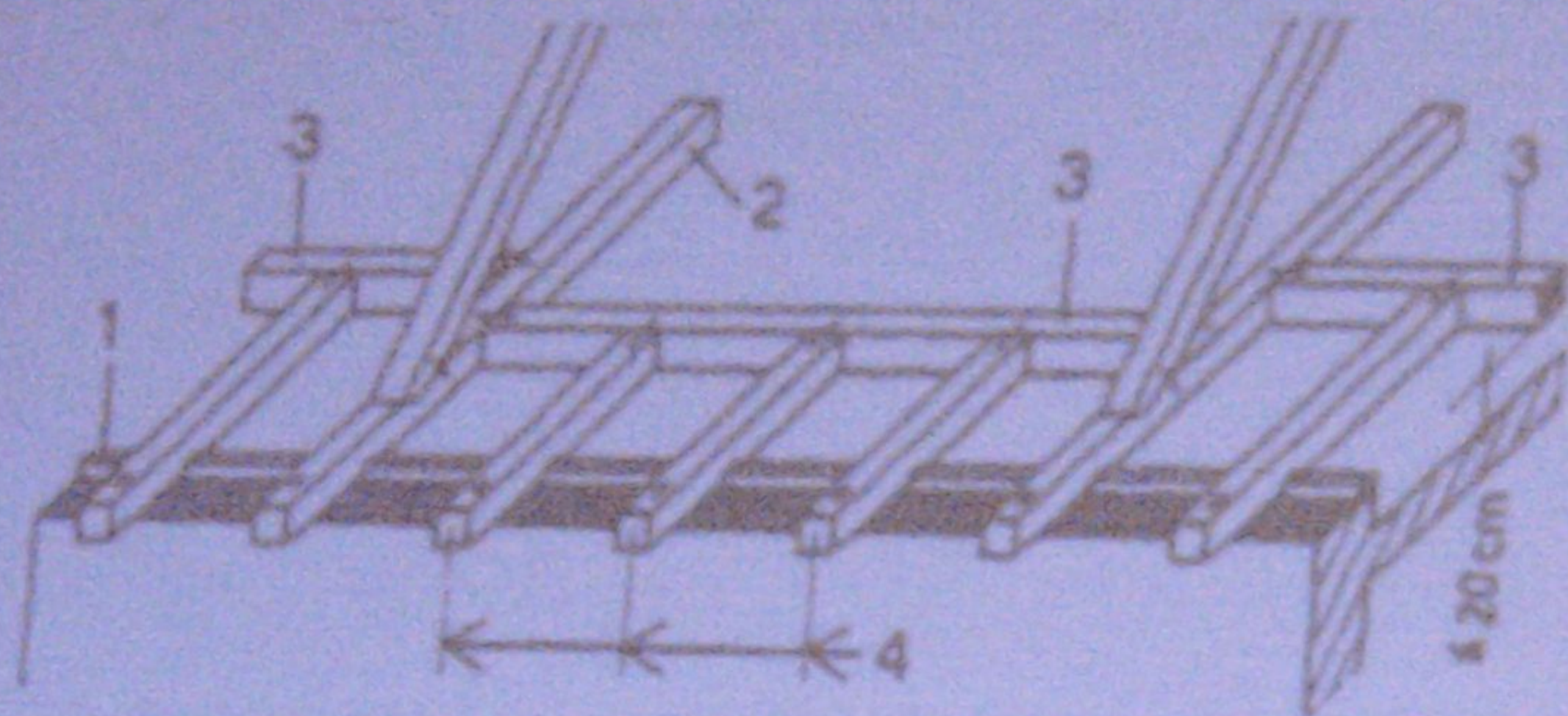


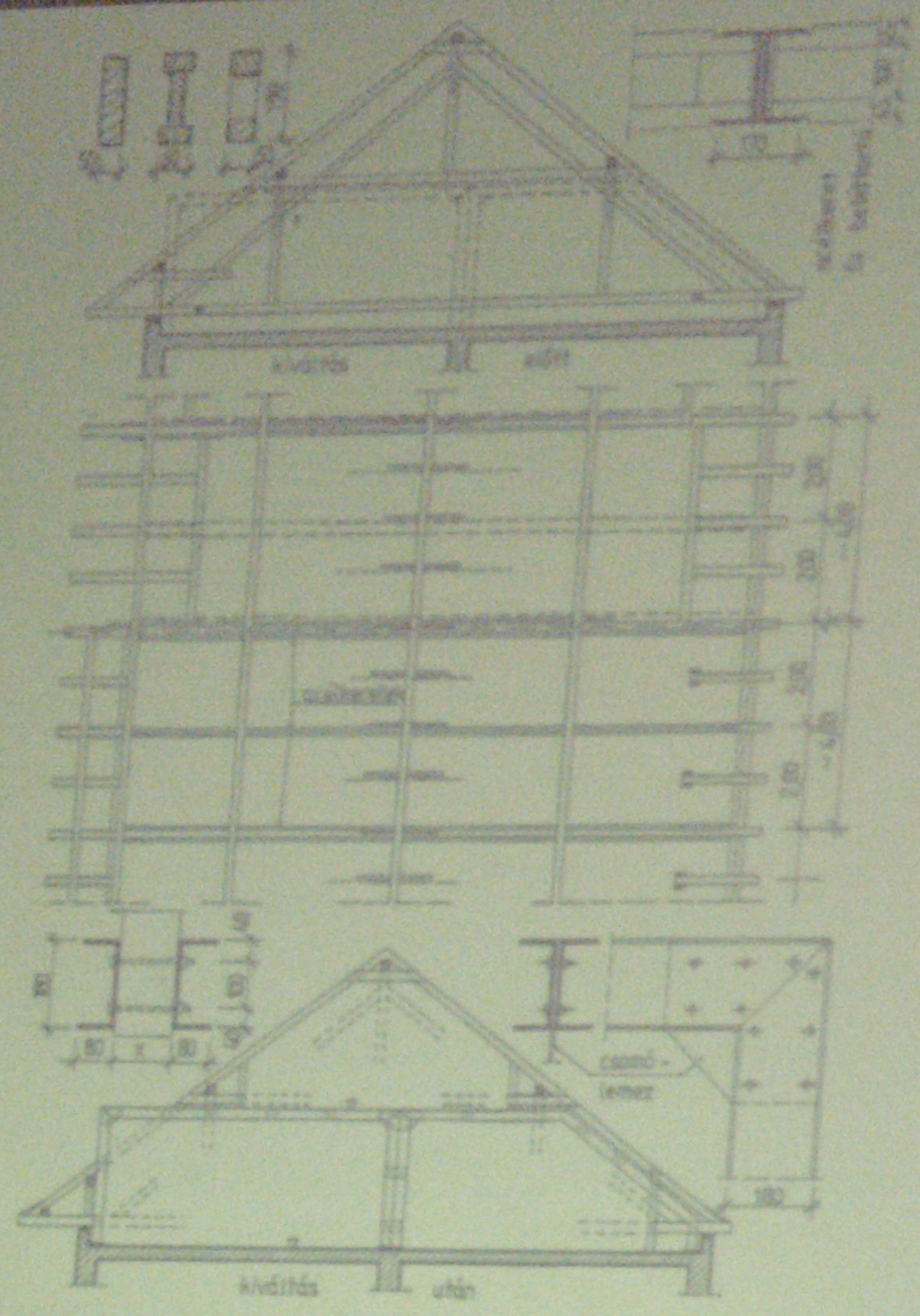
1) magasságban levő /  
első fél főgerendát

1 — falról emelve, 2 — belső gerenda, 3 — belső laposacél

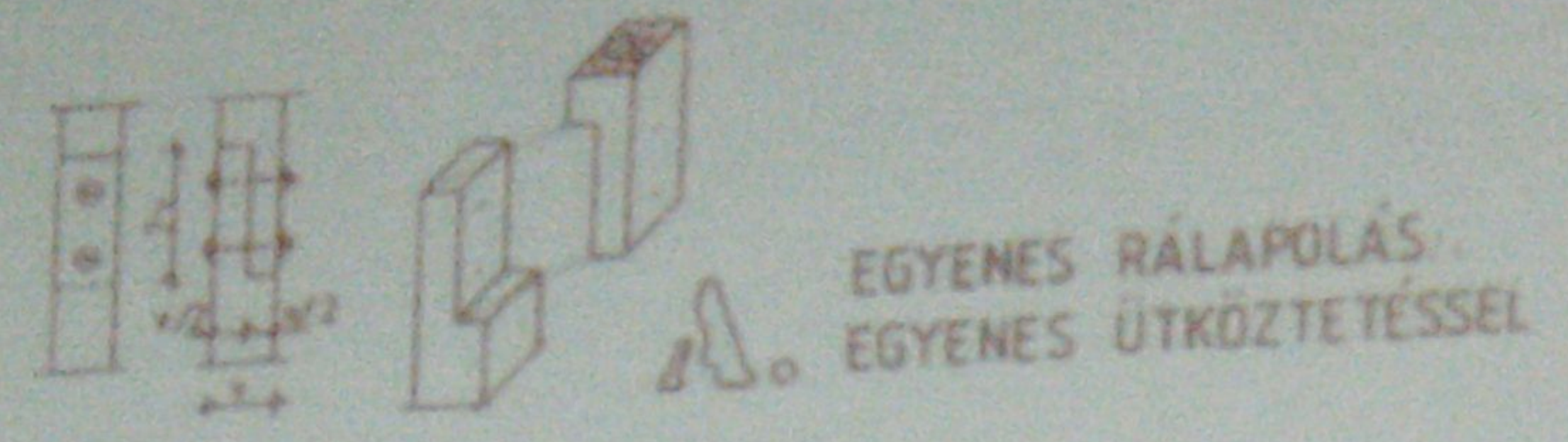


— támpozenda; 1 — kötélpozenda; 2 — váltópozenda; 3 — főgerenda;  
4 — dőlpozenda

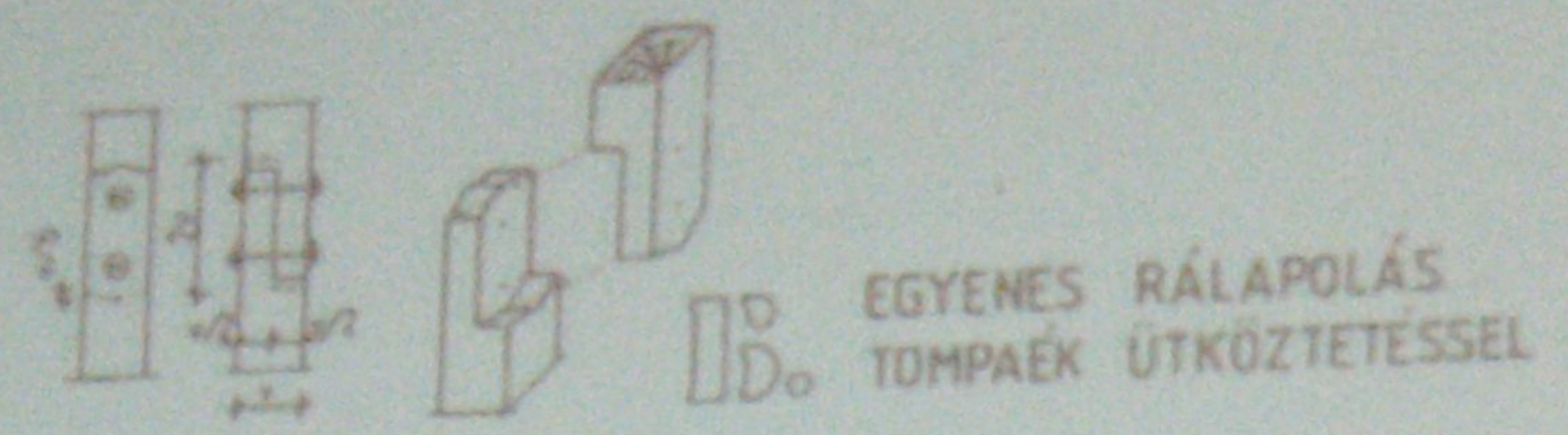




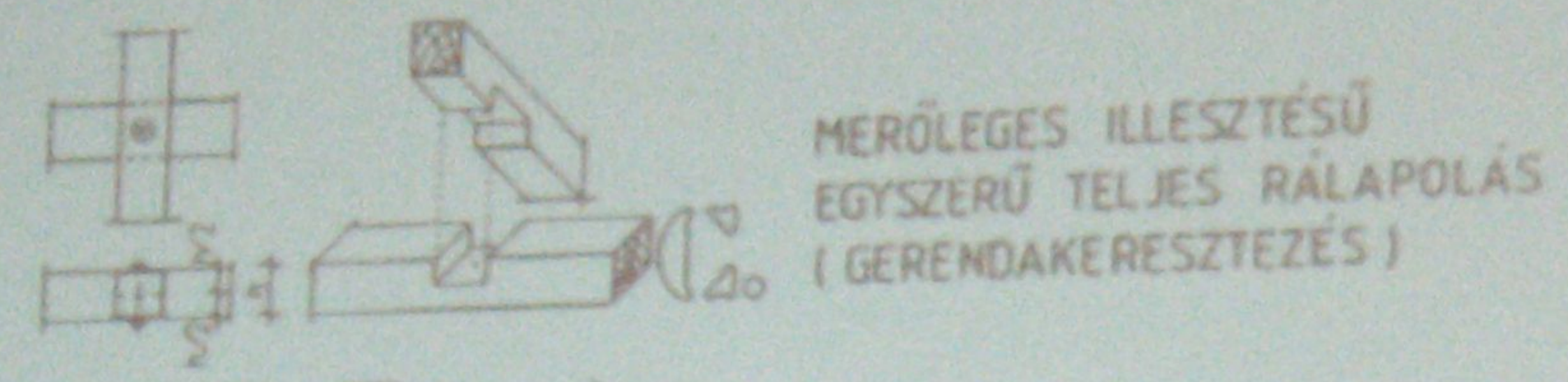
FÜGGŐLEGES HELYZETŰ GERENDÁK (OSZLOPOK)



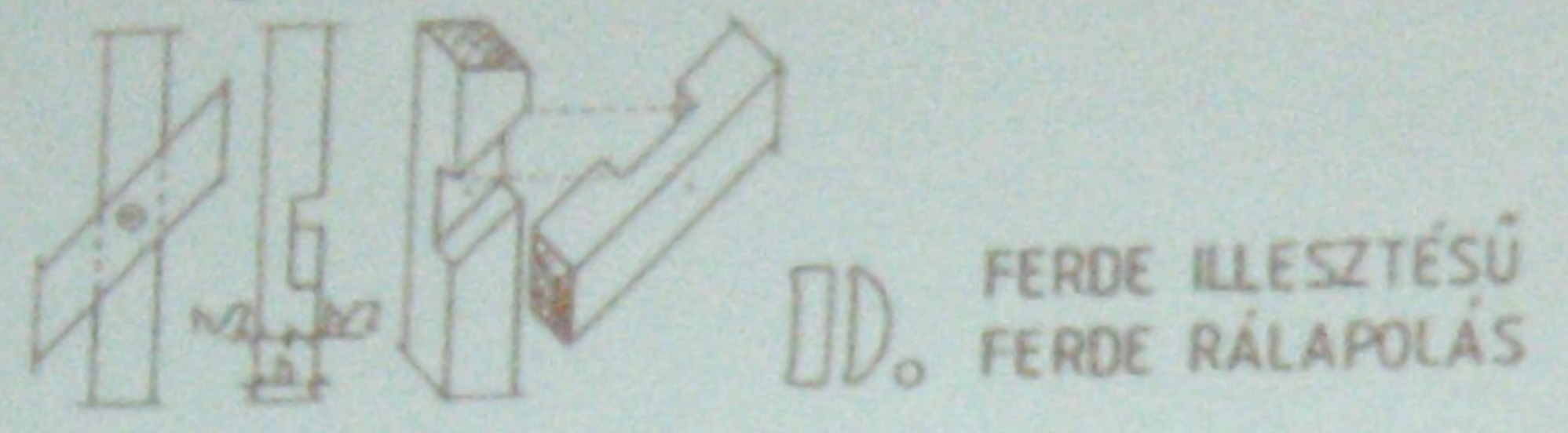
EGYENES RÁLAPOLÁS  
EGYENES ÜTKÖZTETÉSEL



EGYENES RÁLAPOLÁS  
TOMPAÉK ÜTKÖZTETÉSEL

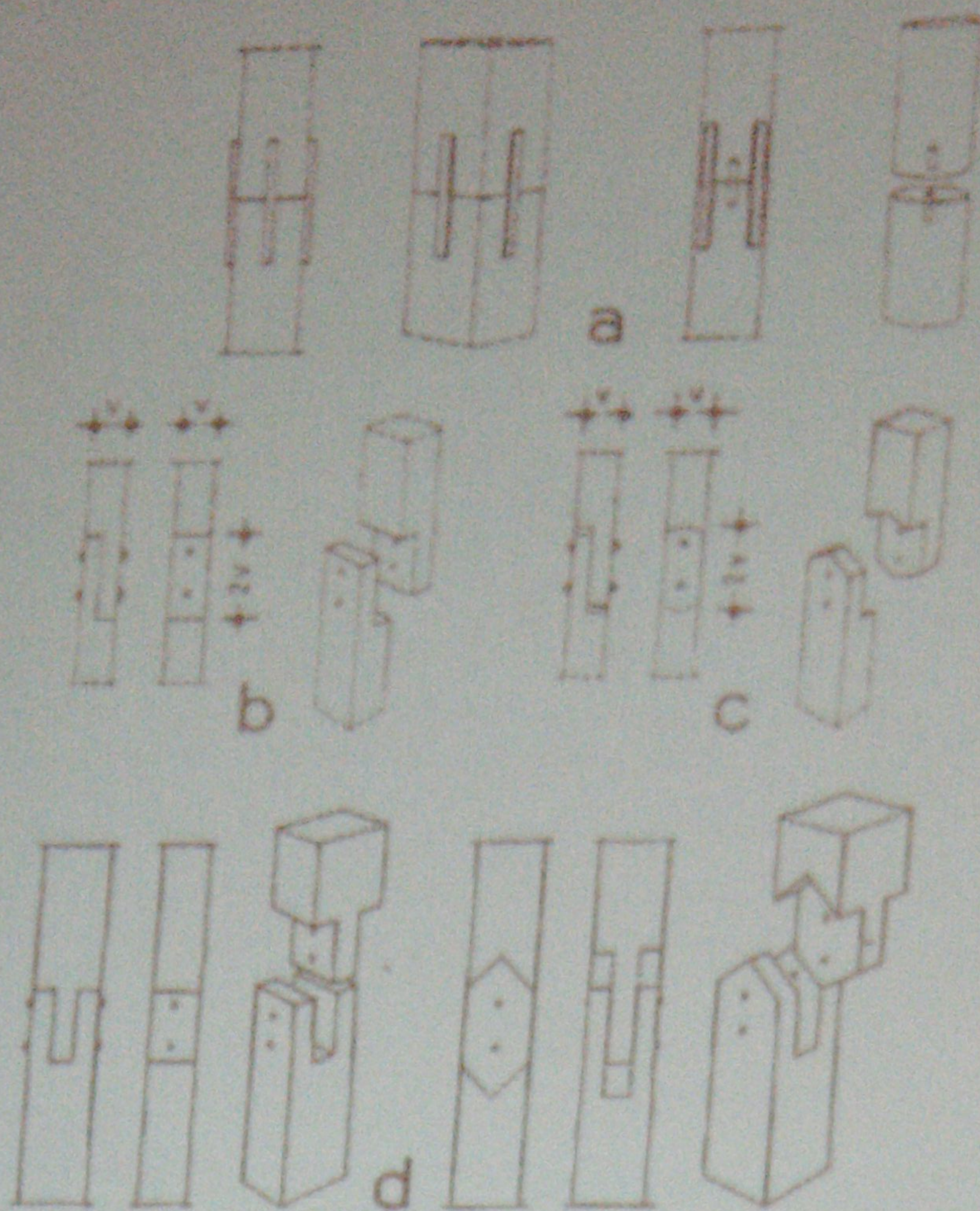


MERŐLEGES ILLESZTÉSŰ  
EGYSZERŰ TELJES RÁLAPOLÁS  
(GERENDAKERESZTEZÉS)



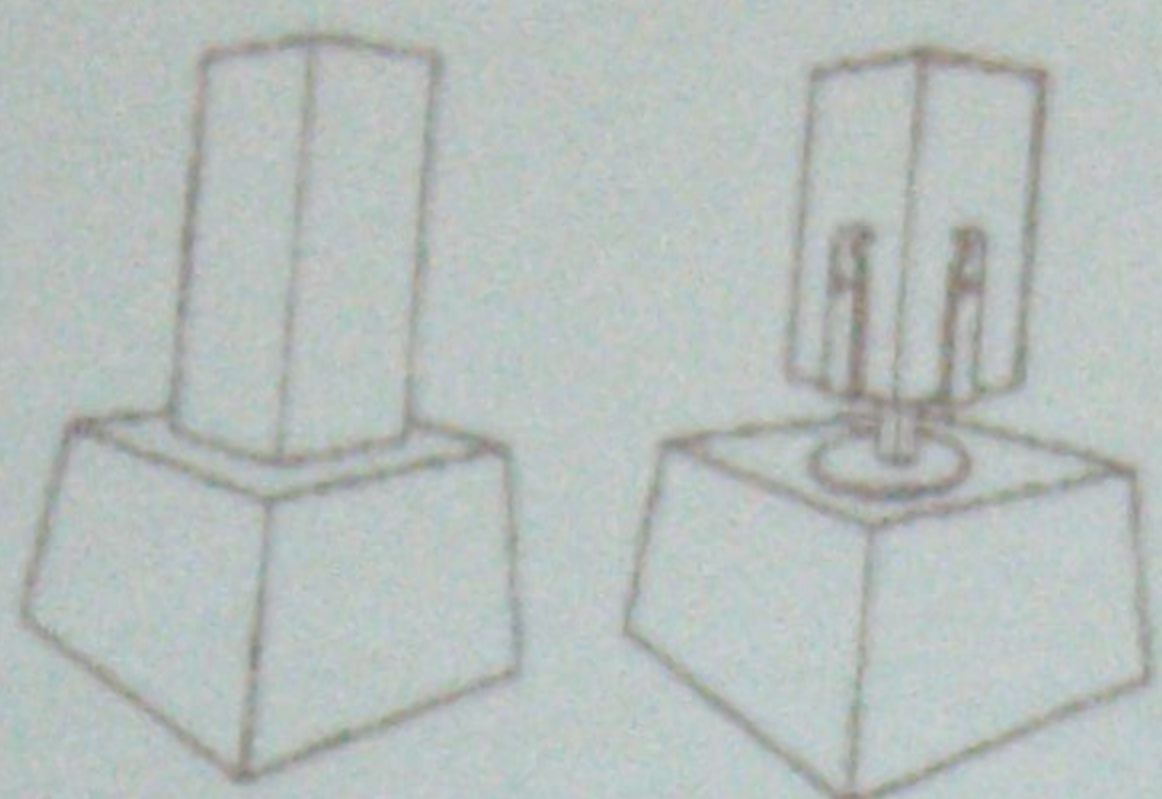
FERDE ILLESZTÉSŰ  
FERDE RÁLAPOLÁS

ALKALMAZÁS: — EGY SÍKBAN FEKVŐ GERENDÁK ÉS OSZLOPOK KÖTÉSE  
— A HÚZÓERŐT A KÖTŐELEMEK ADJÁK ÁT



**Egyenes rásoldások**

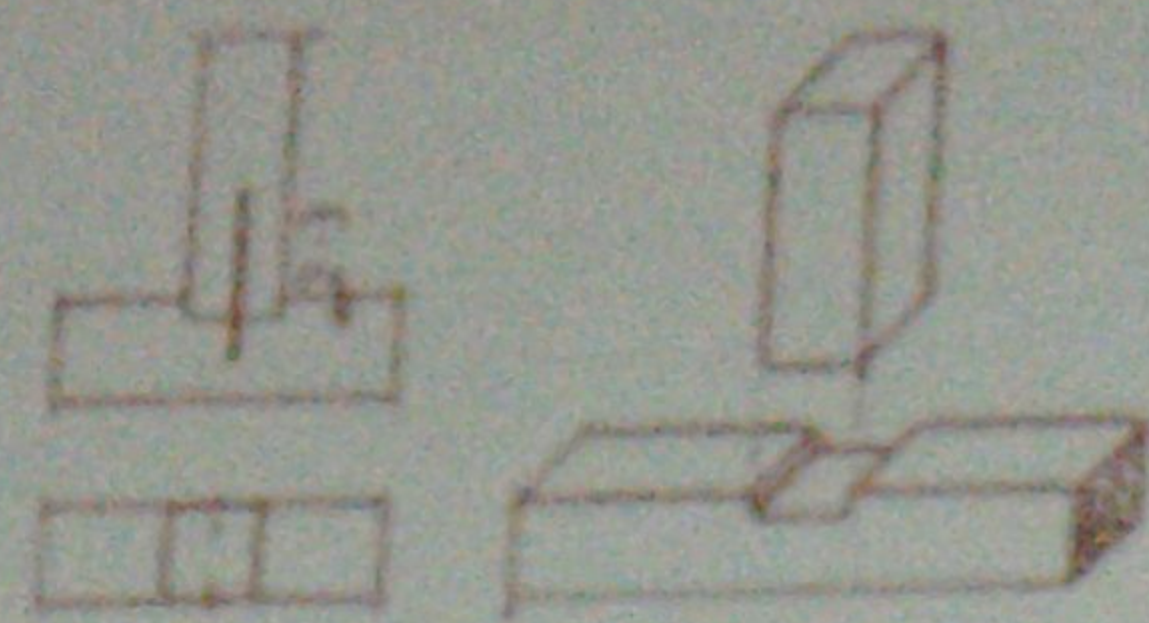
a egyenes rásoldással; b egyenes laposítással; c szimmetrikus rásoldással; d oldós rásoldással



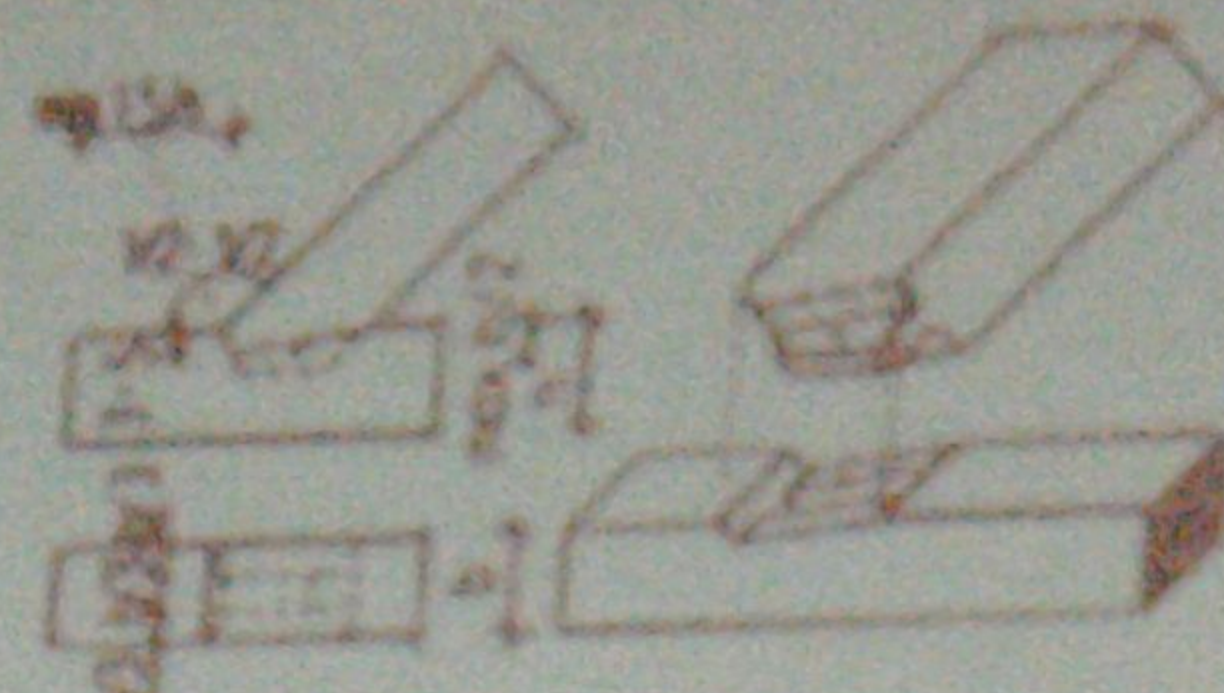
**Helytelen**

**Helyes**

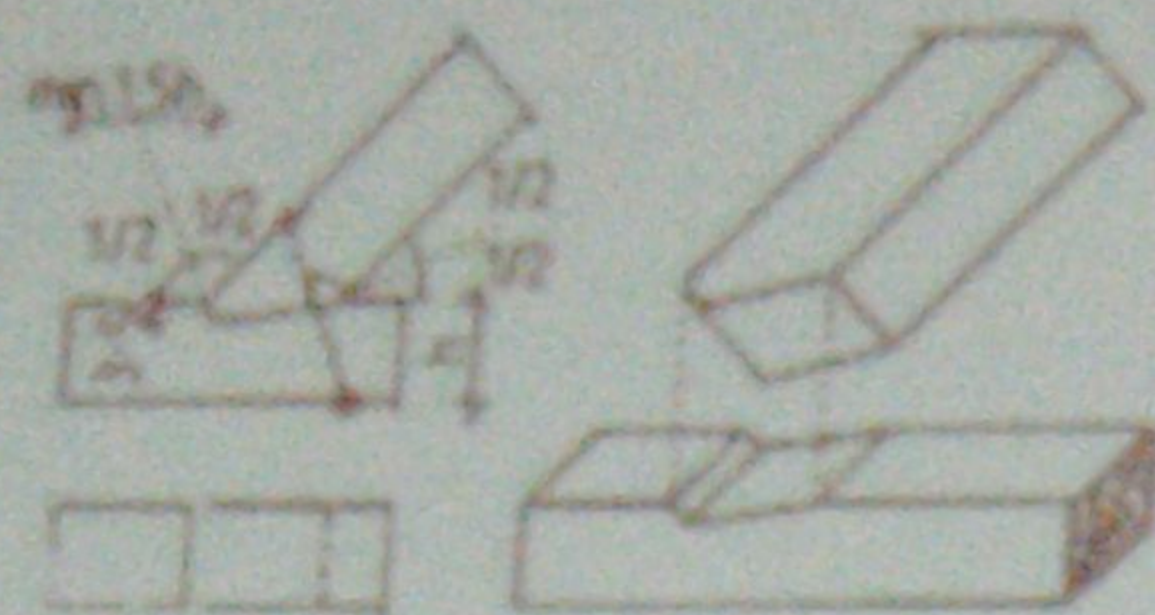
. Oszlop rásépítése betonlapra



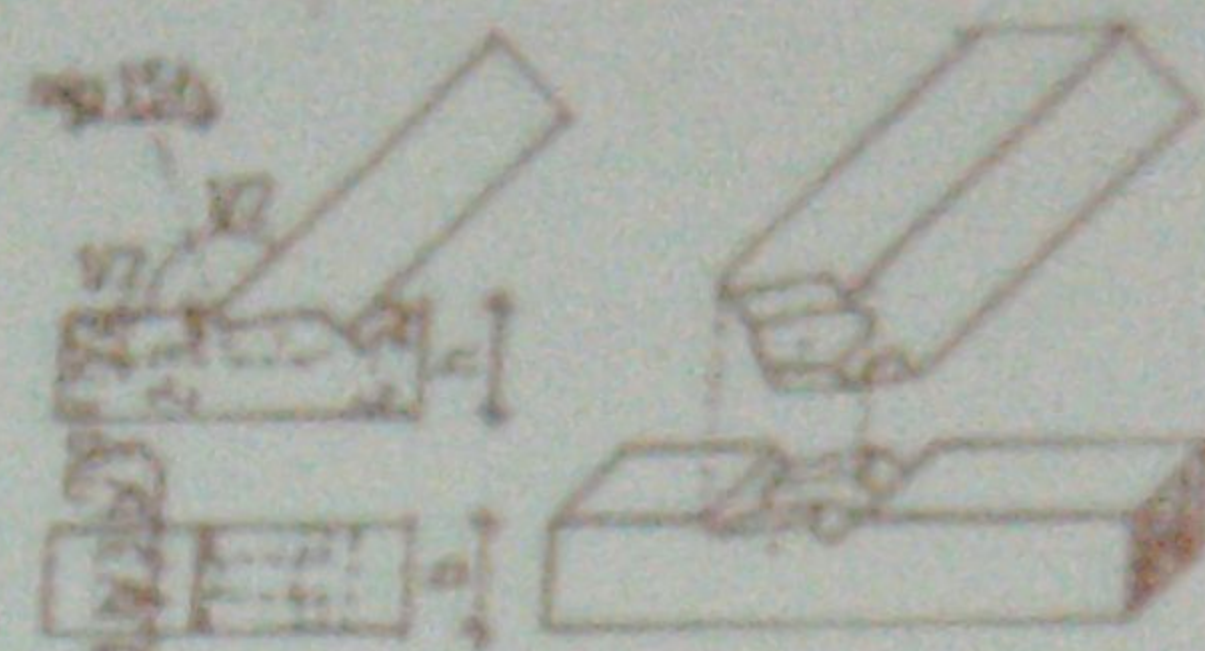
$\Delta$ o EGYENES BEERESZTÉS



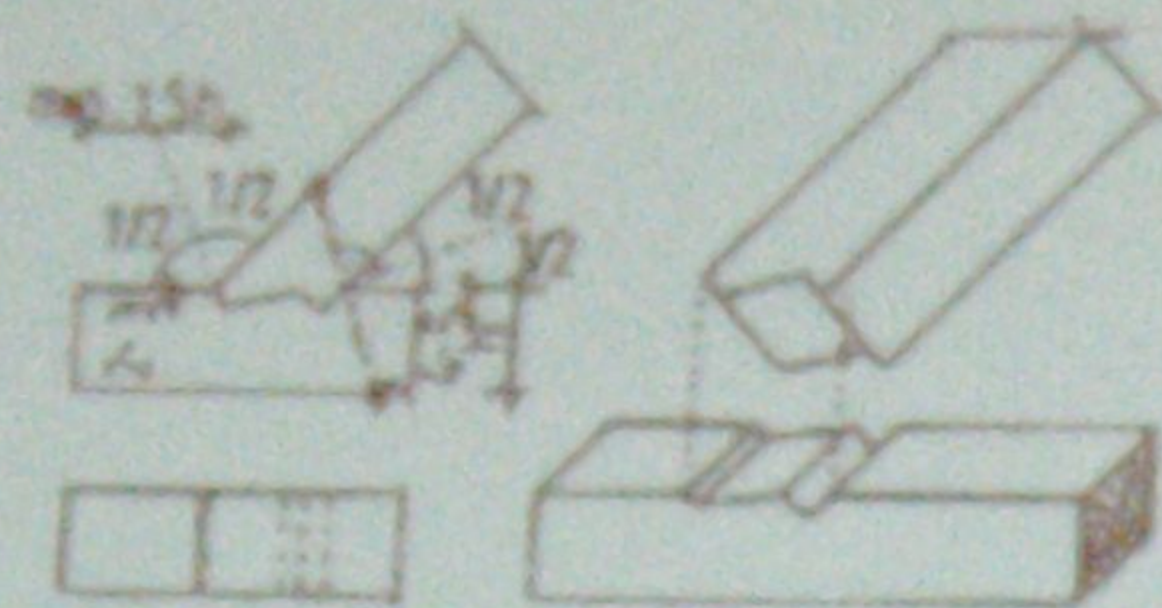
$\Delta$ o CSAPOS FERDE BEERESZTÉS



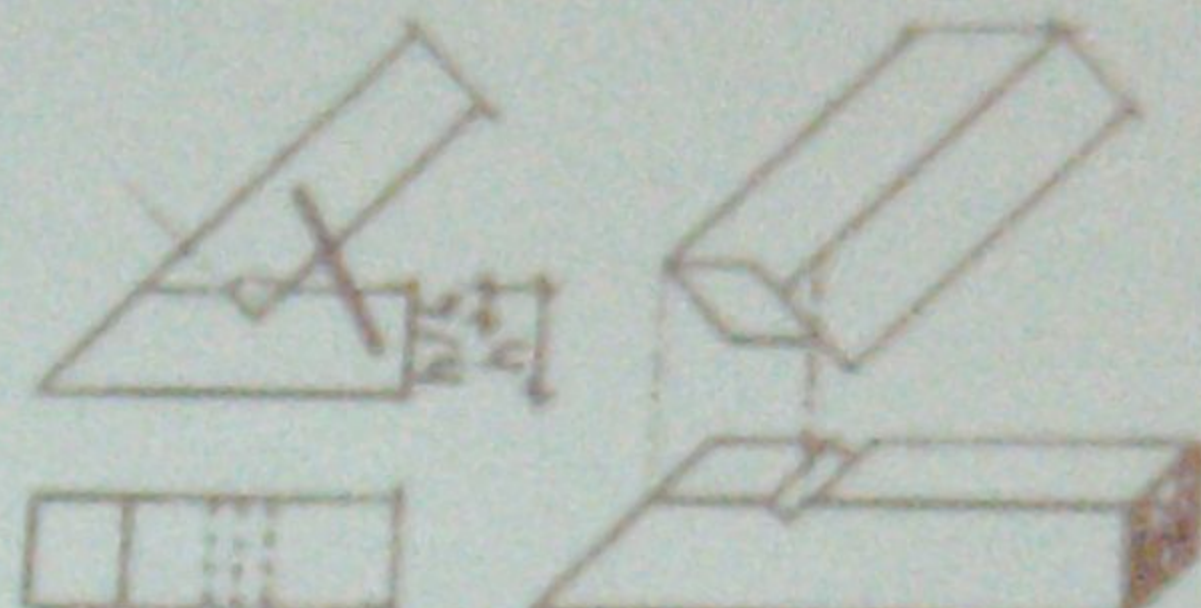
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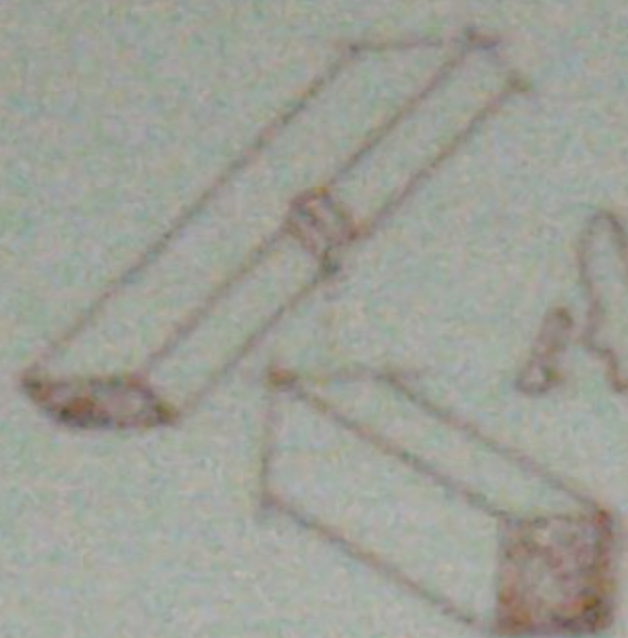
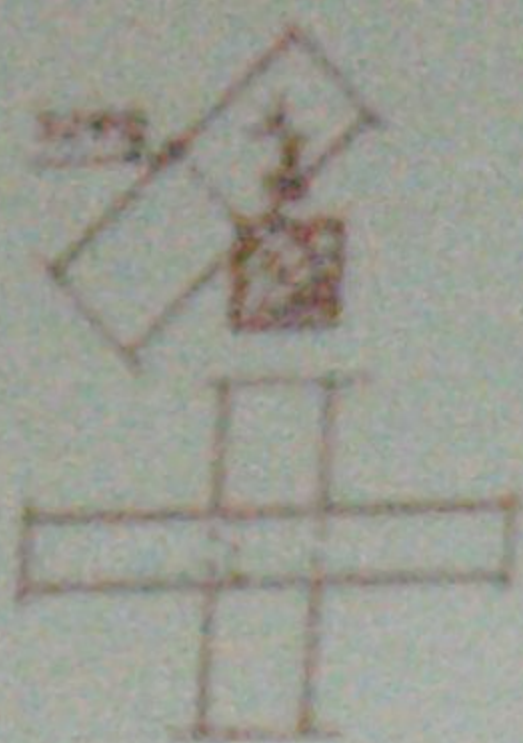
$\Delta$ o CSAPOS FERDE KETTŐS BEERESZTÉS



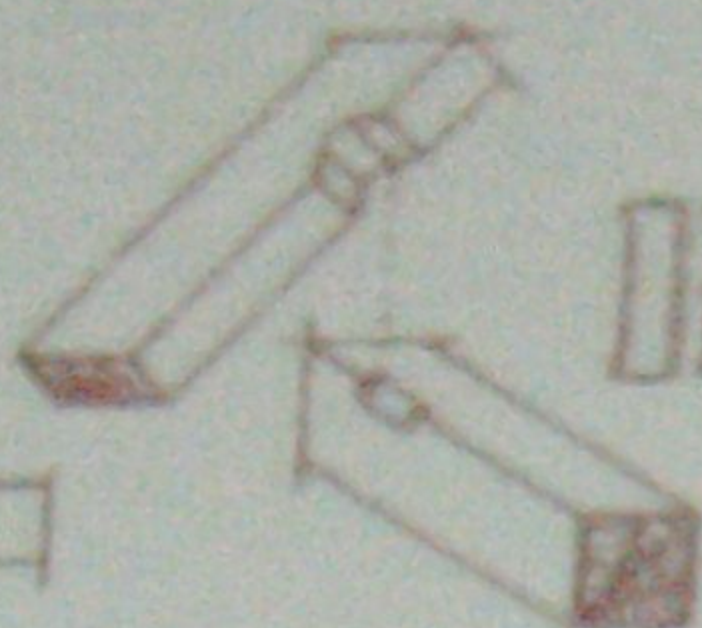
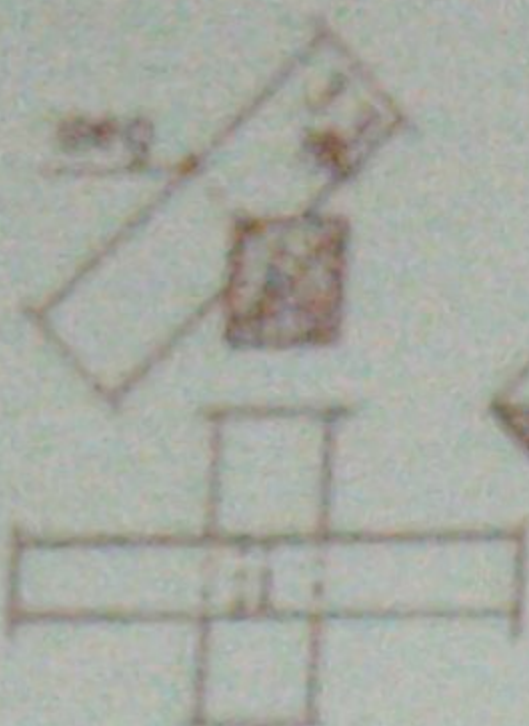
$\Delta$ o KETTŐS FERDE BEERESZTÉS



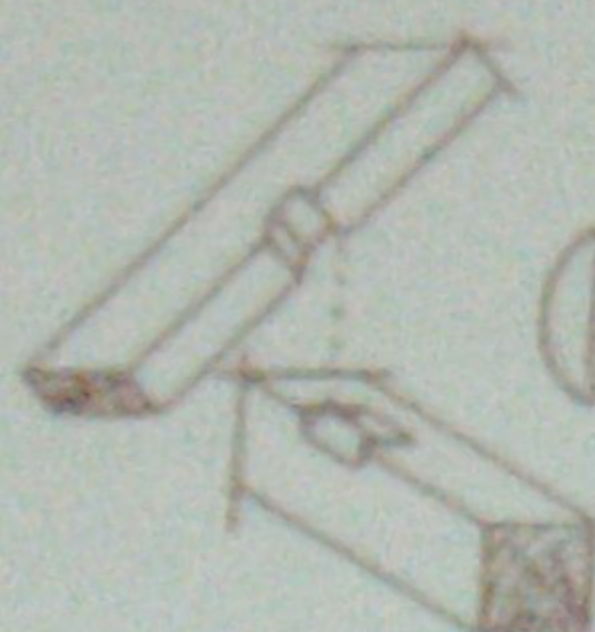
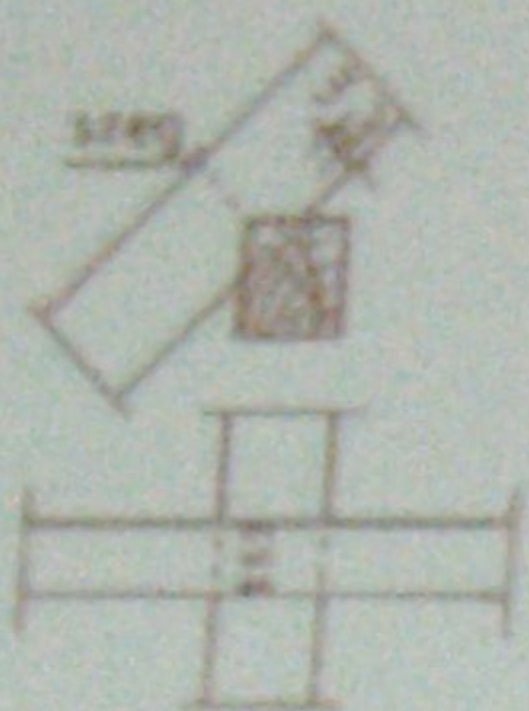
$\Delta$ o FERDE CSONKA BEERESZTÉS



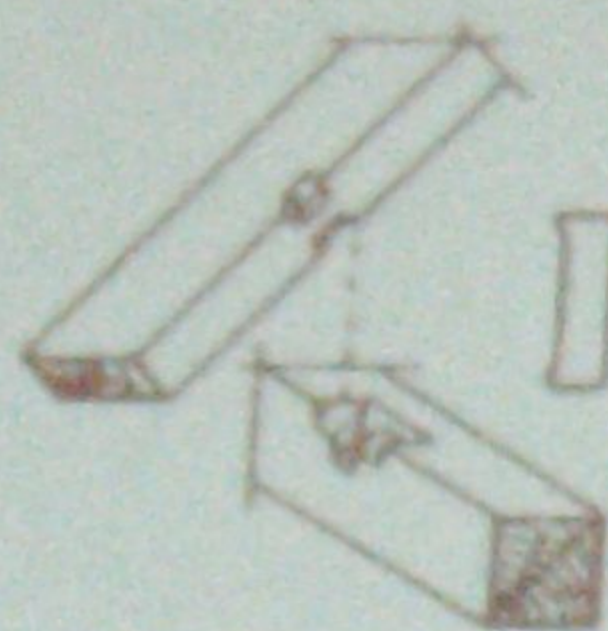
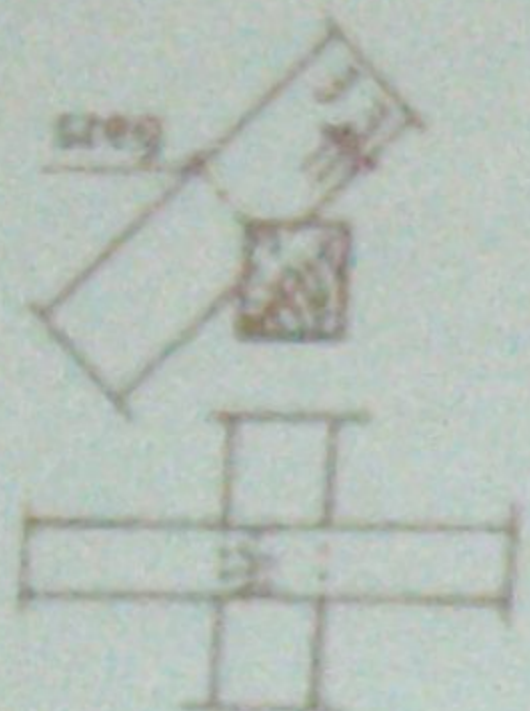
EGYSZERŰ HORGOLÁS



EGYSZERŰ HORGOLÁS  
ÉLTOMPÍTASSAL



FÉSZKES HORGOLÁS



CSAPOS FÉSZKES HORG





c)



c)



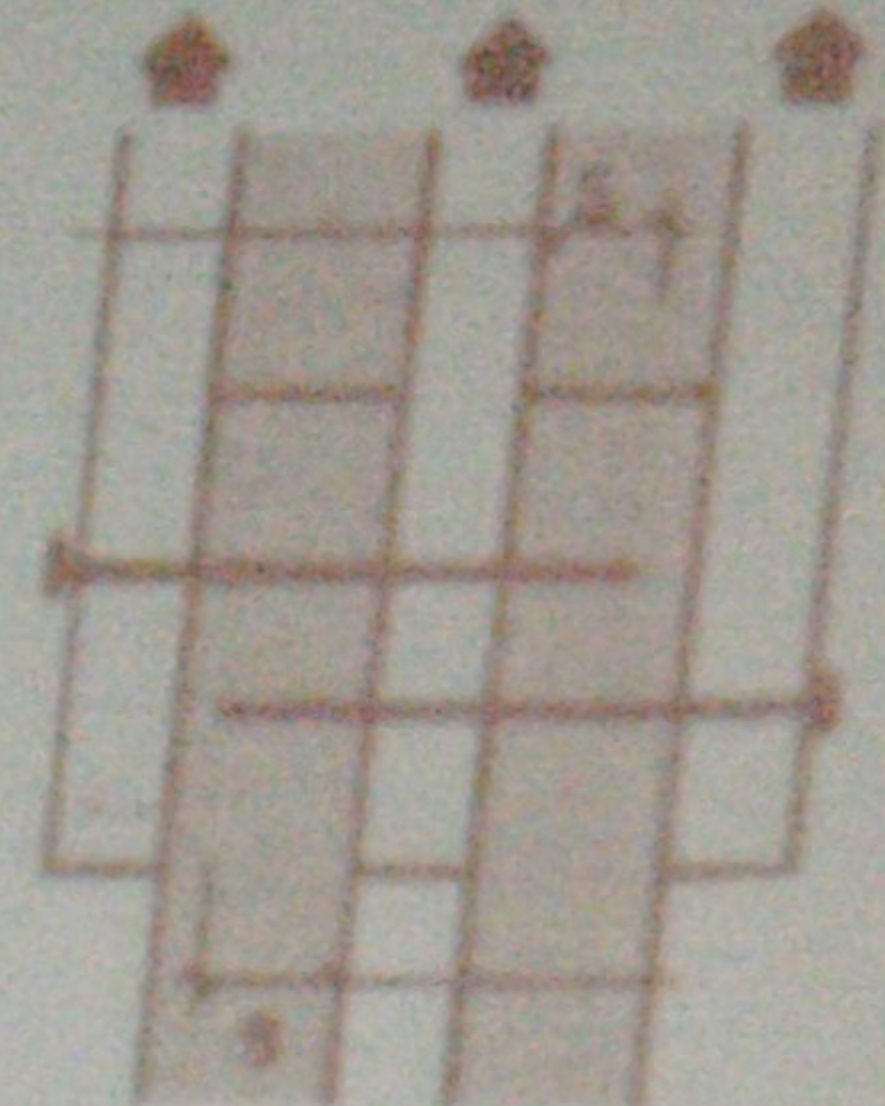
c)



a)



b)



c)

# szegezőlemez típus

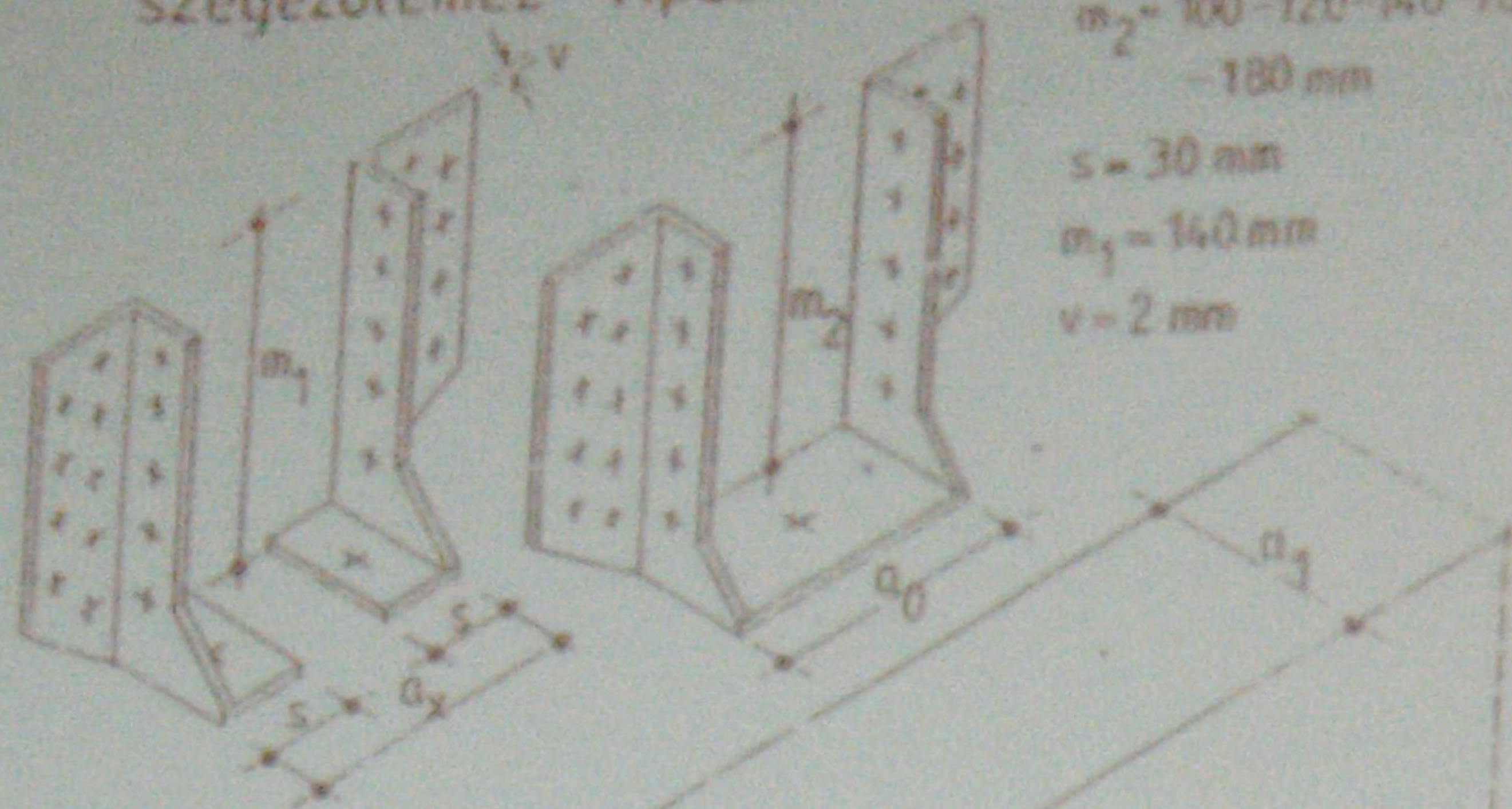
$a_0 = 60-80-100-120$   
- 140 mm

$m_2 = 100-120-140-160$   
- 180 mm

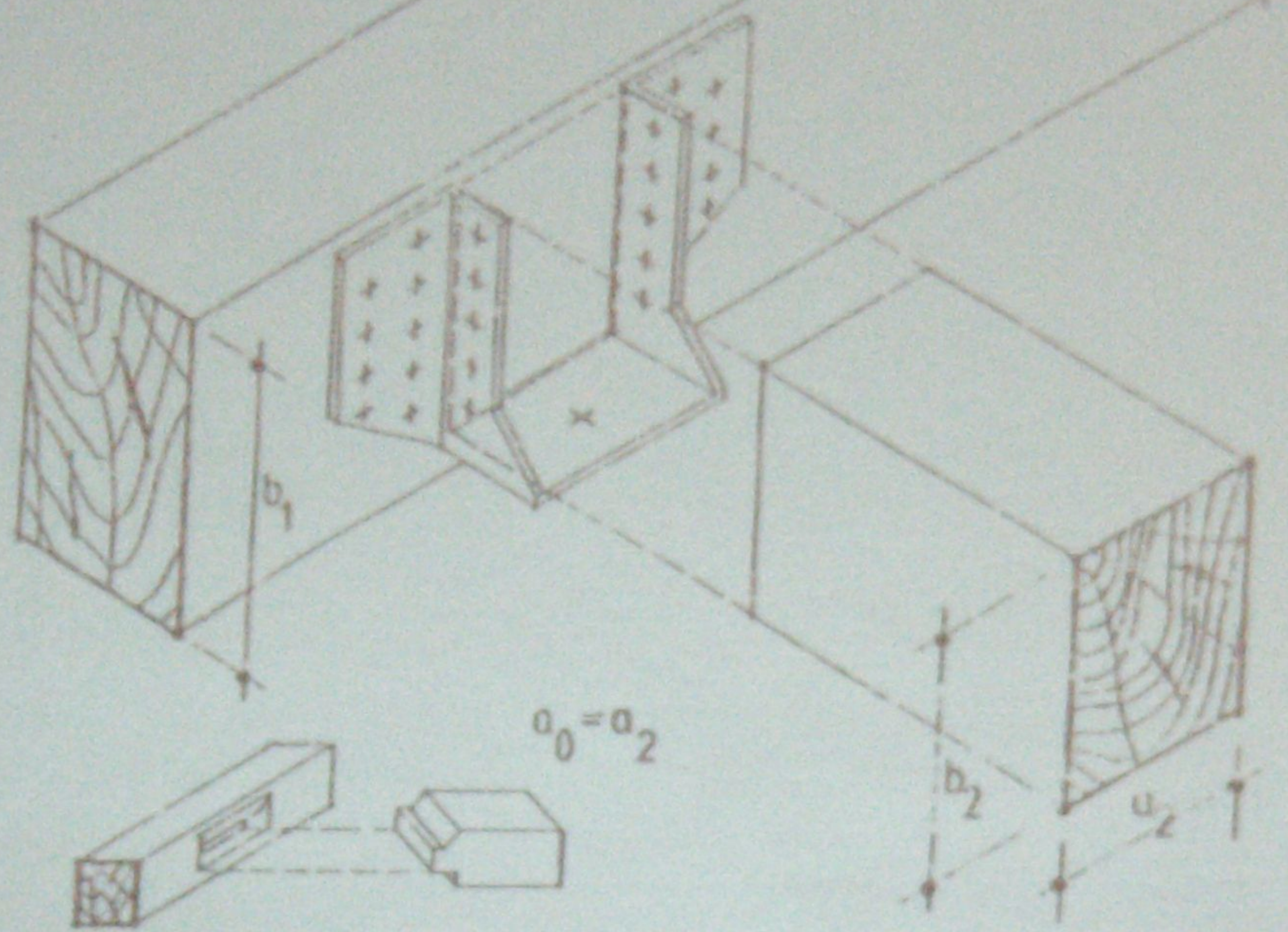
$s = 30$  mm

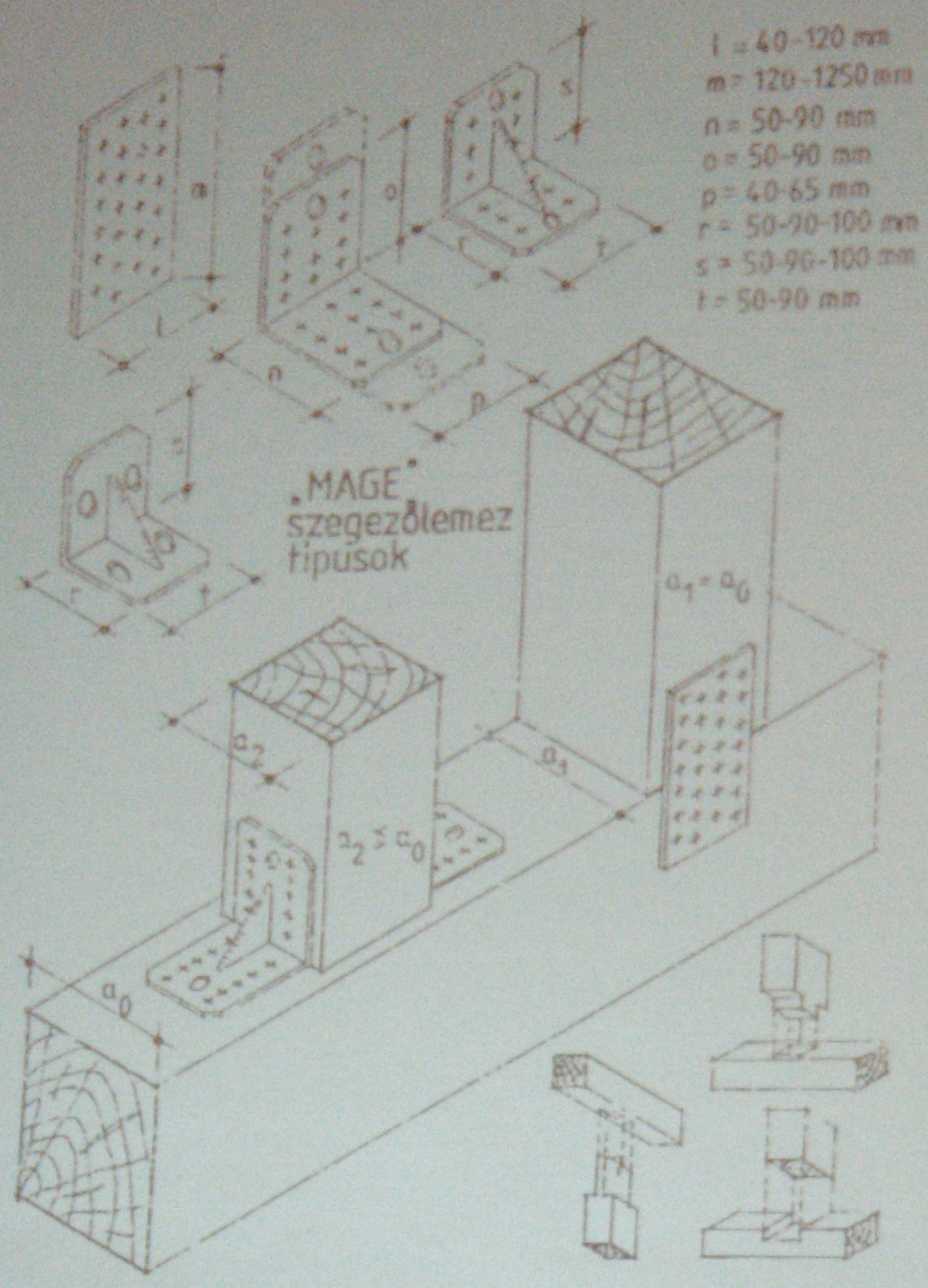
$m_1 = 140$  mm

$v = 2$  mm

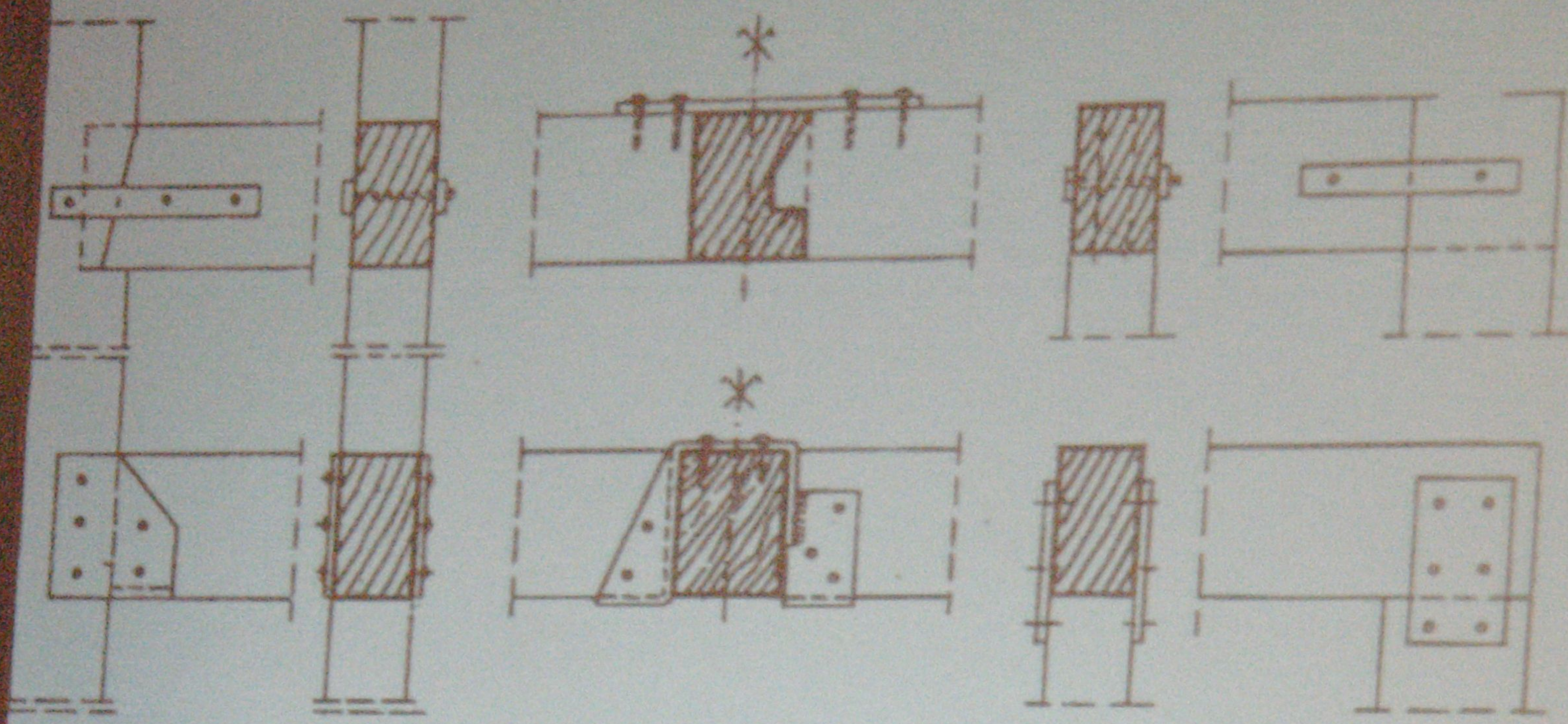


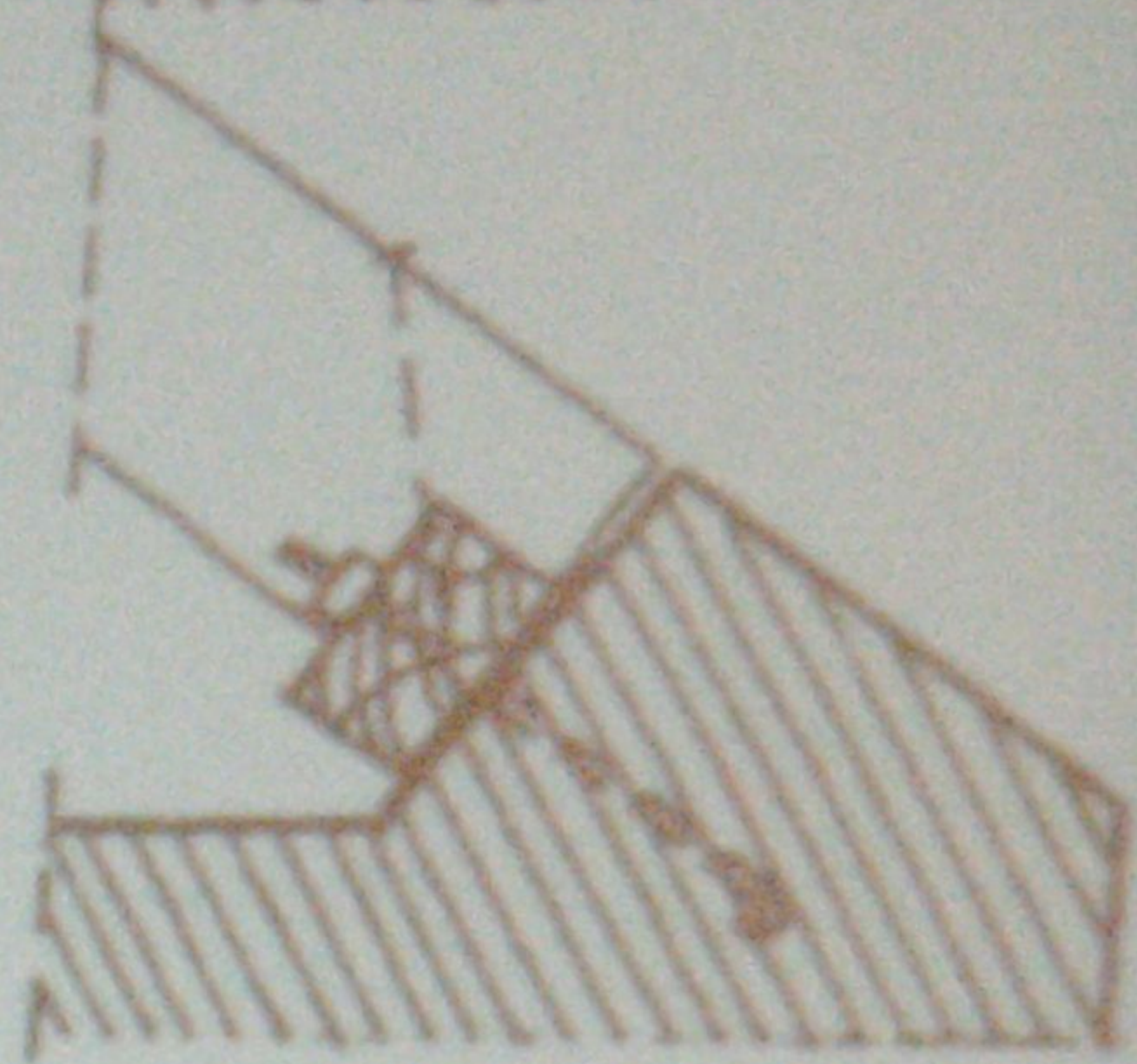
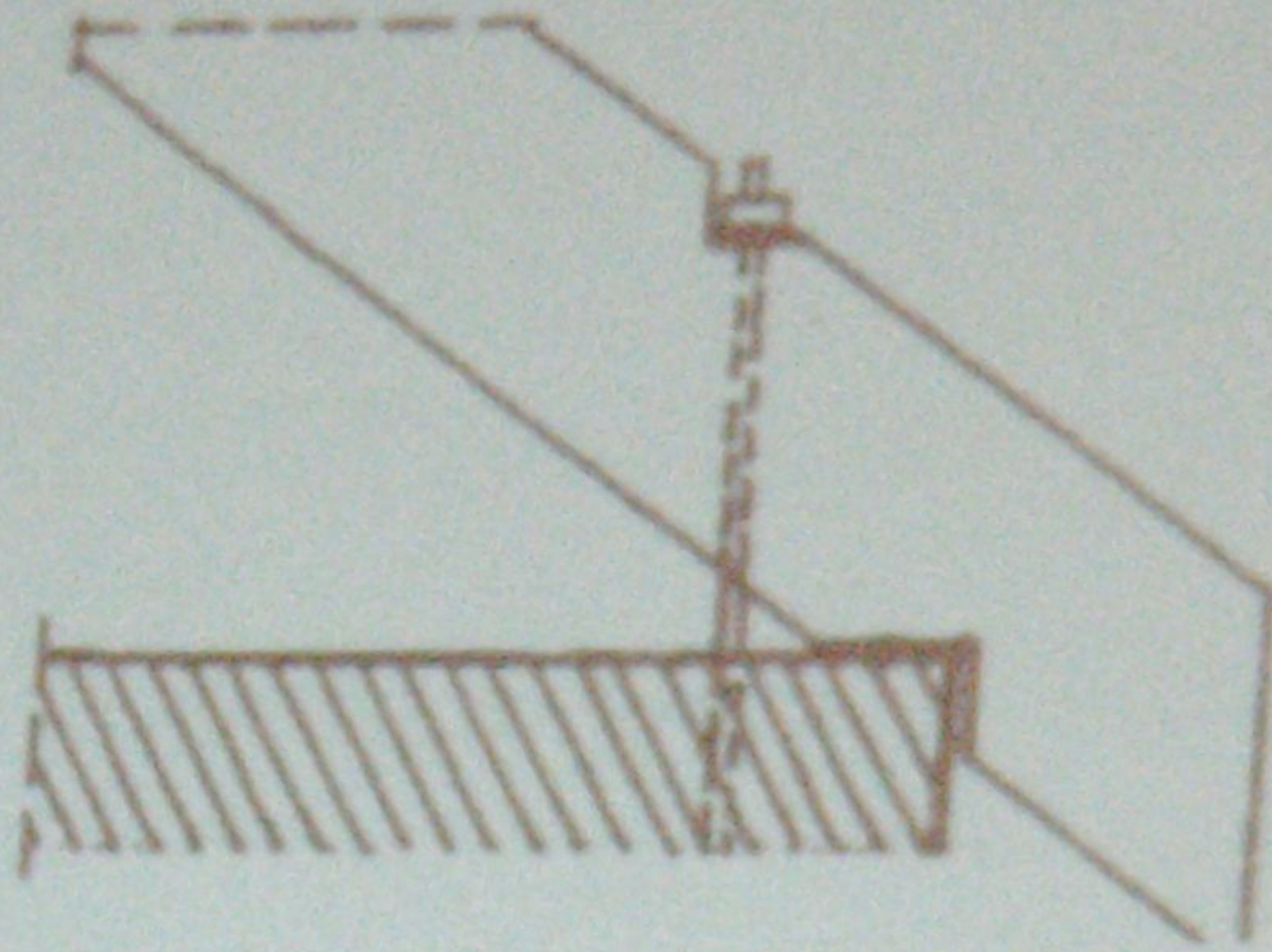
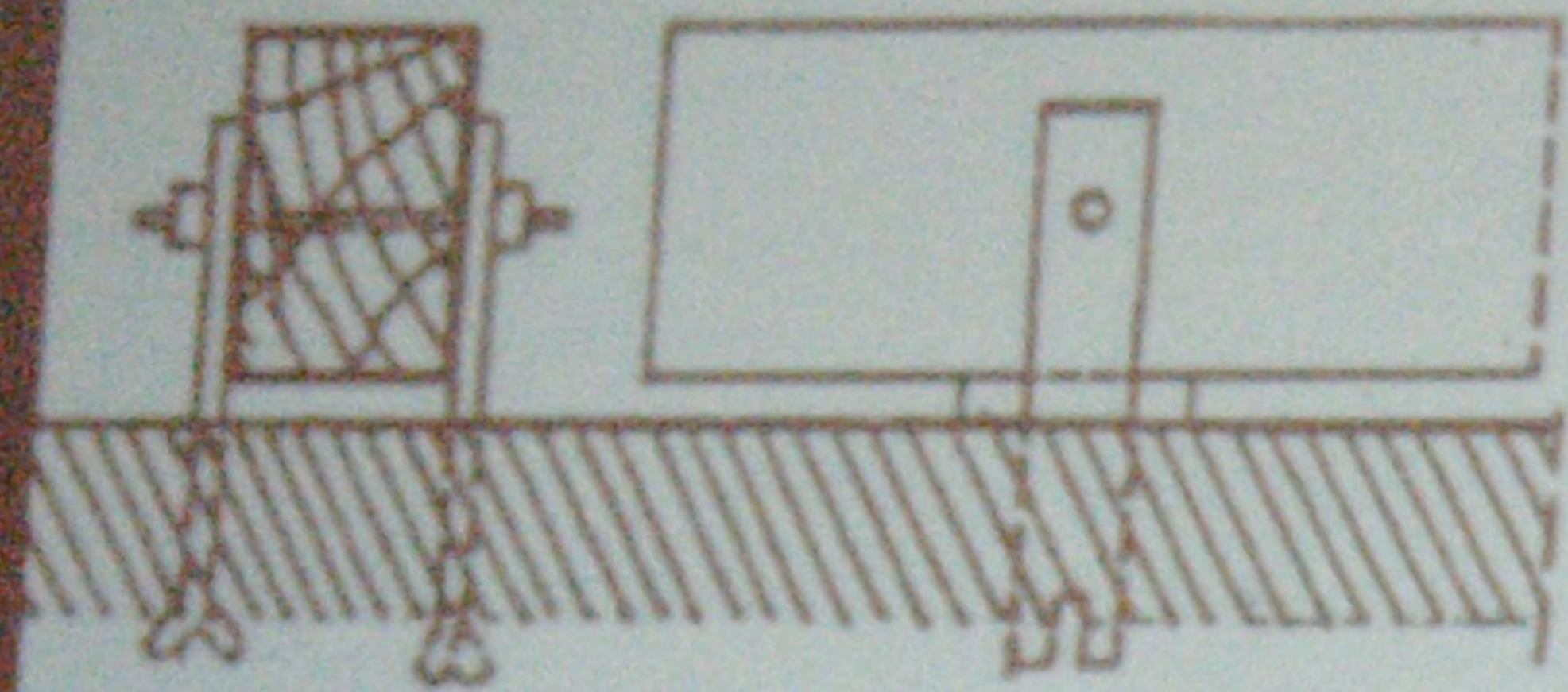
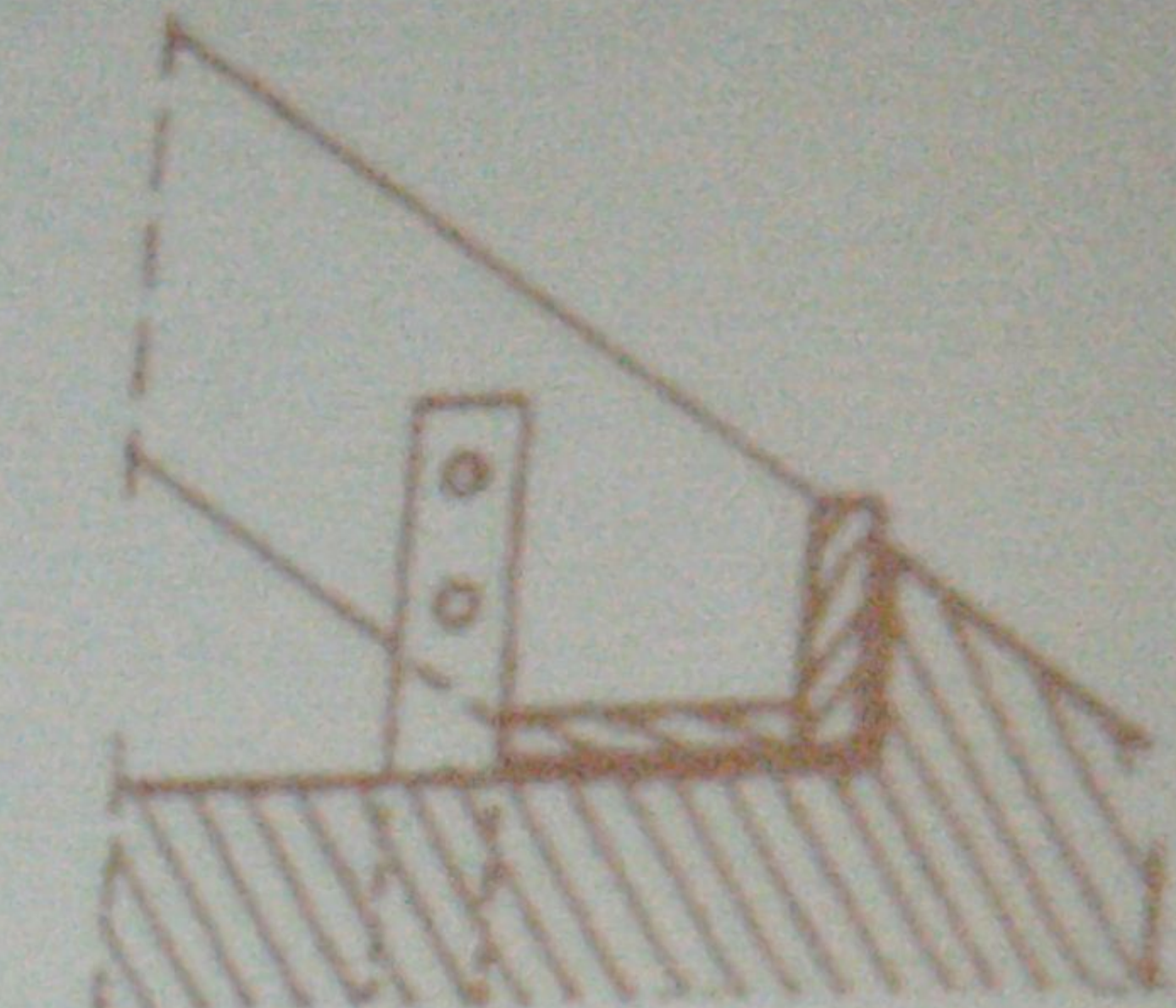
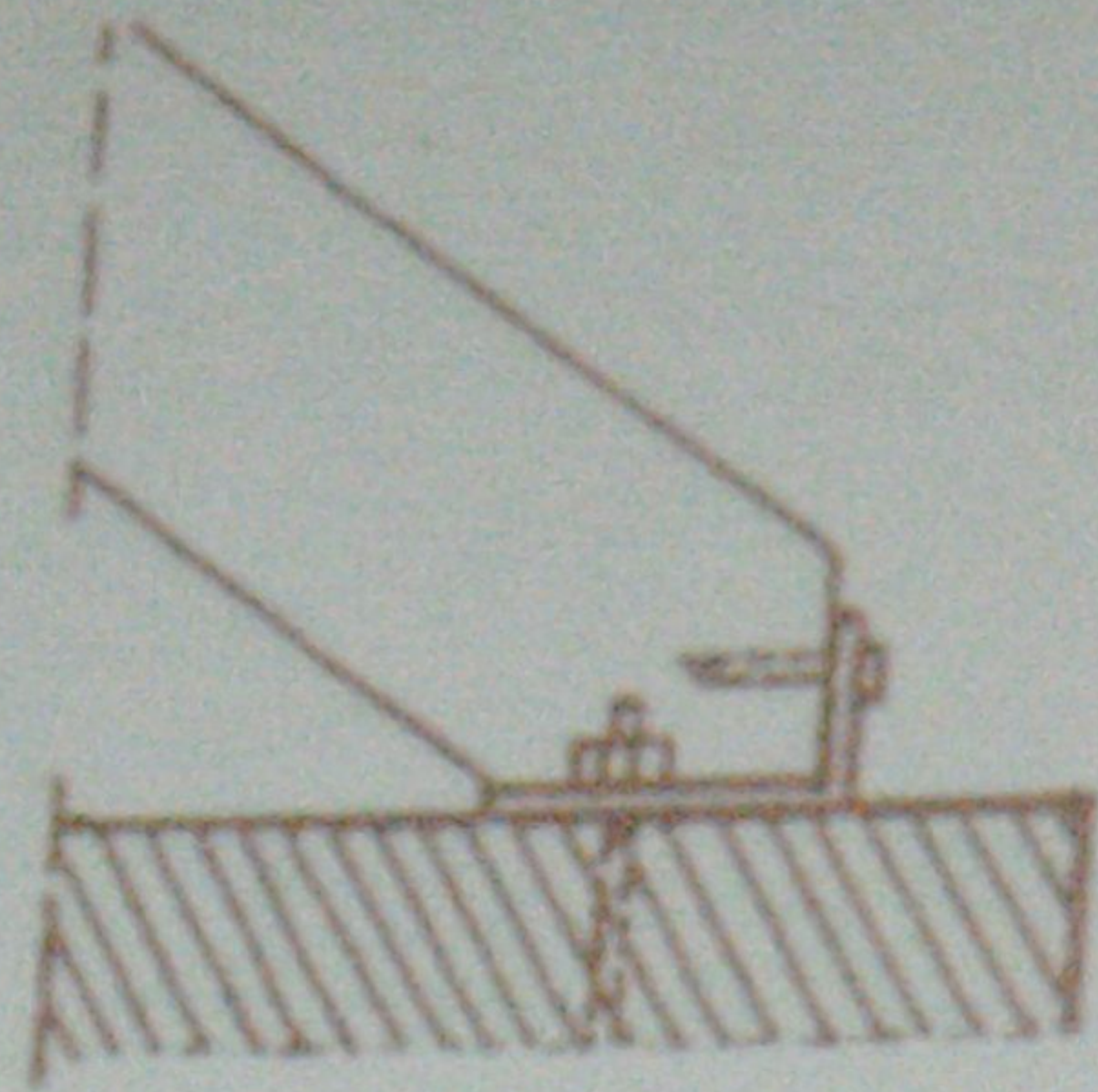
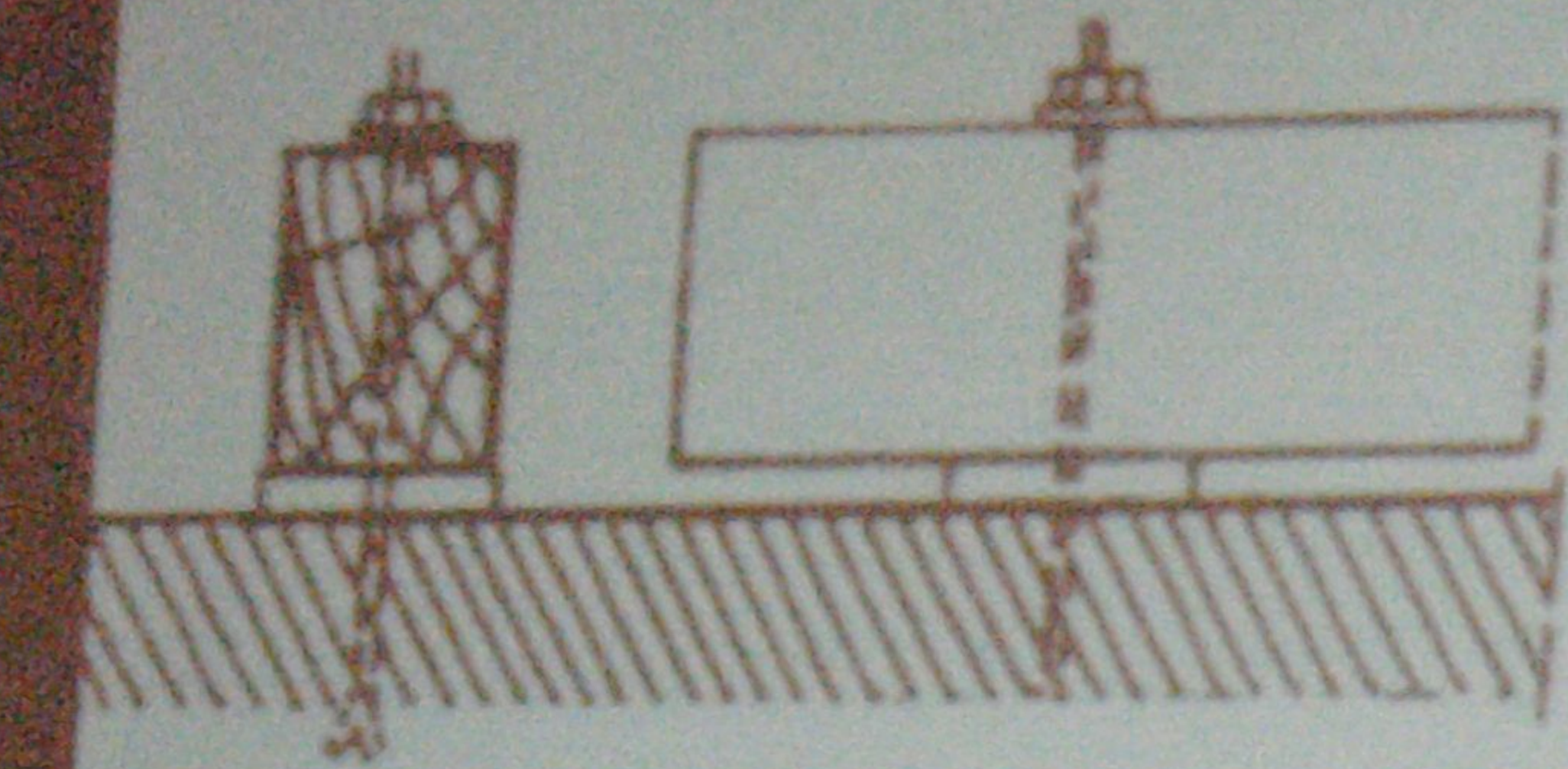
## Konzolelem

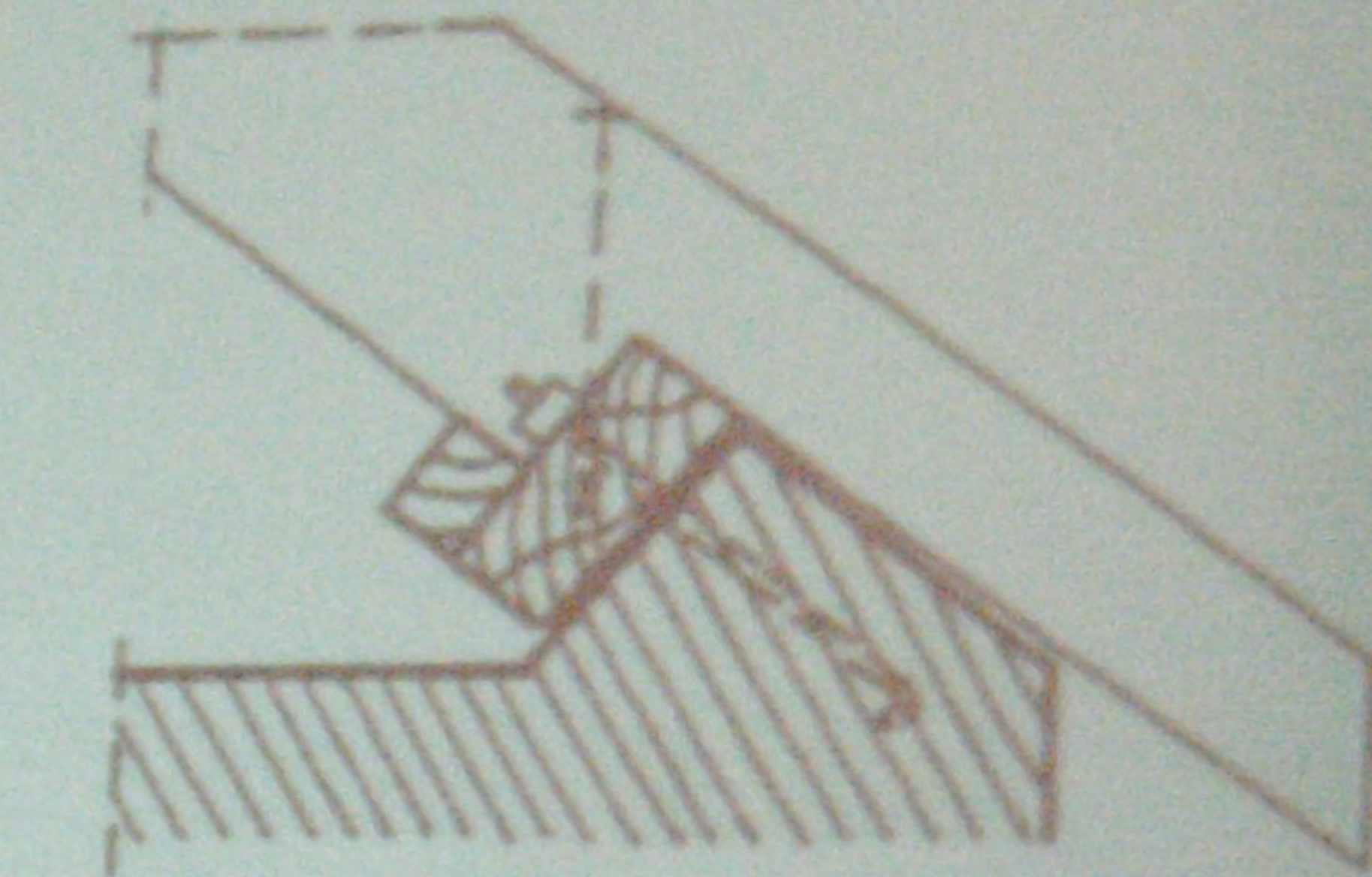
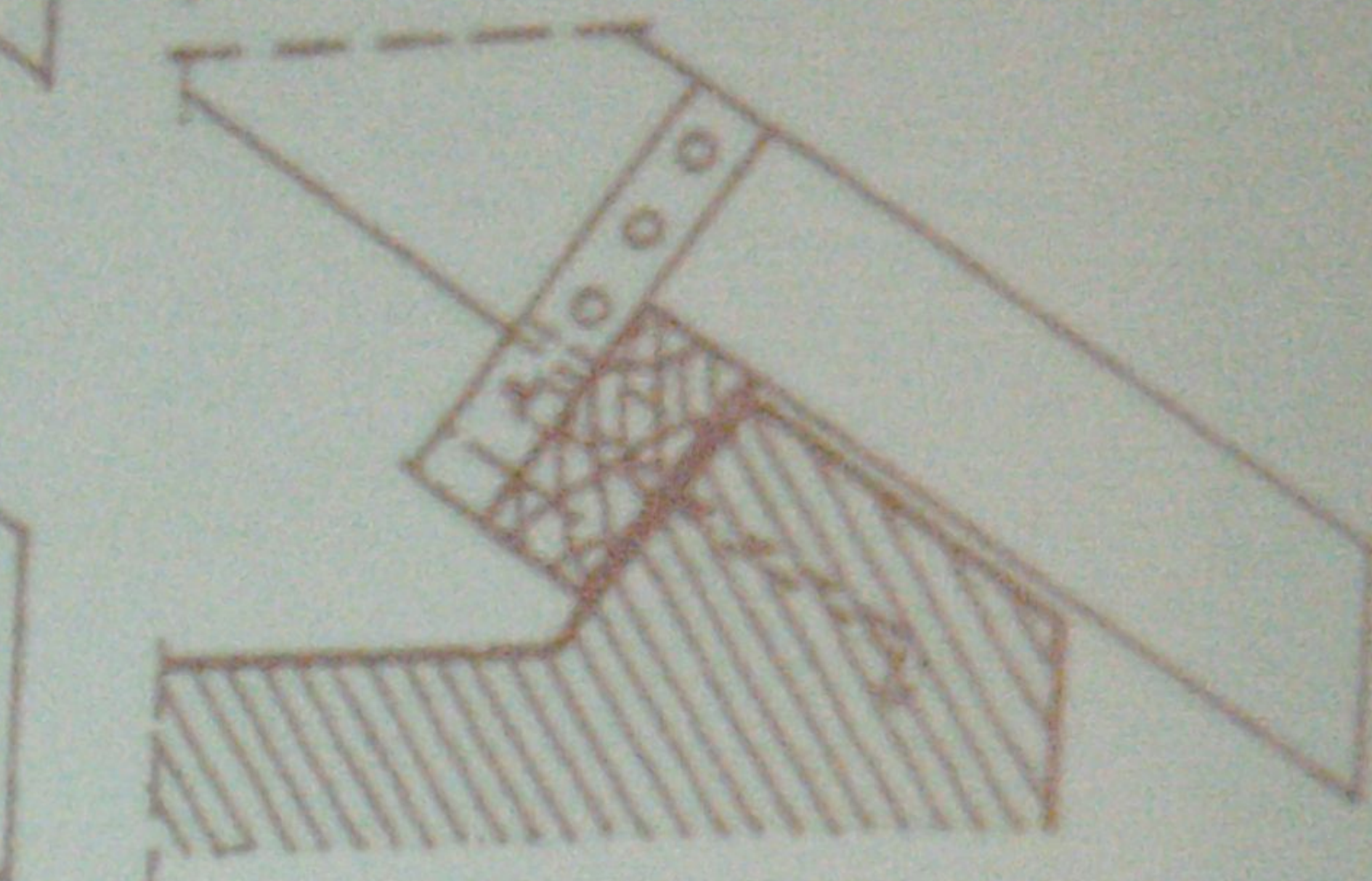
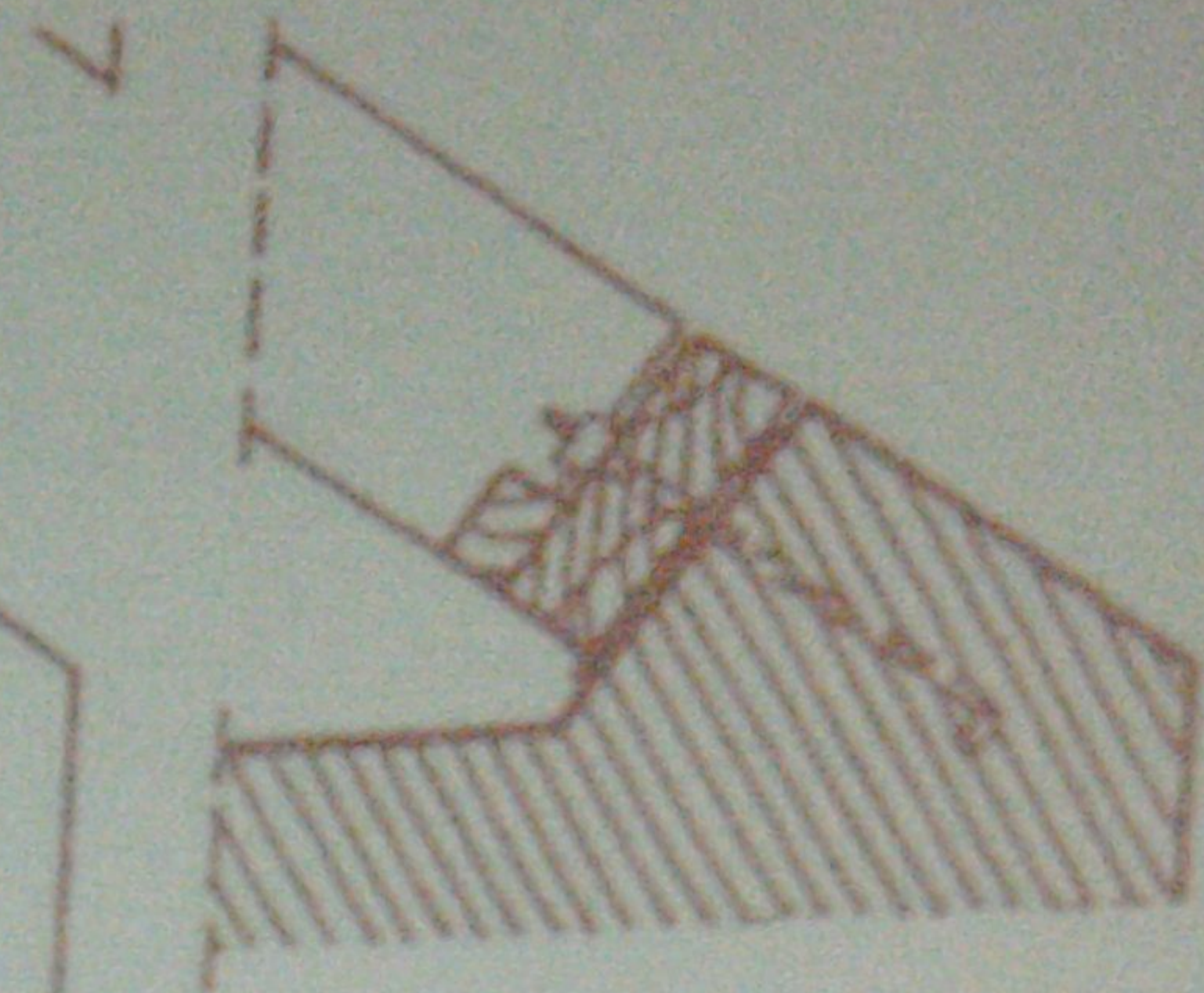
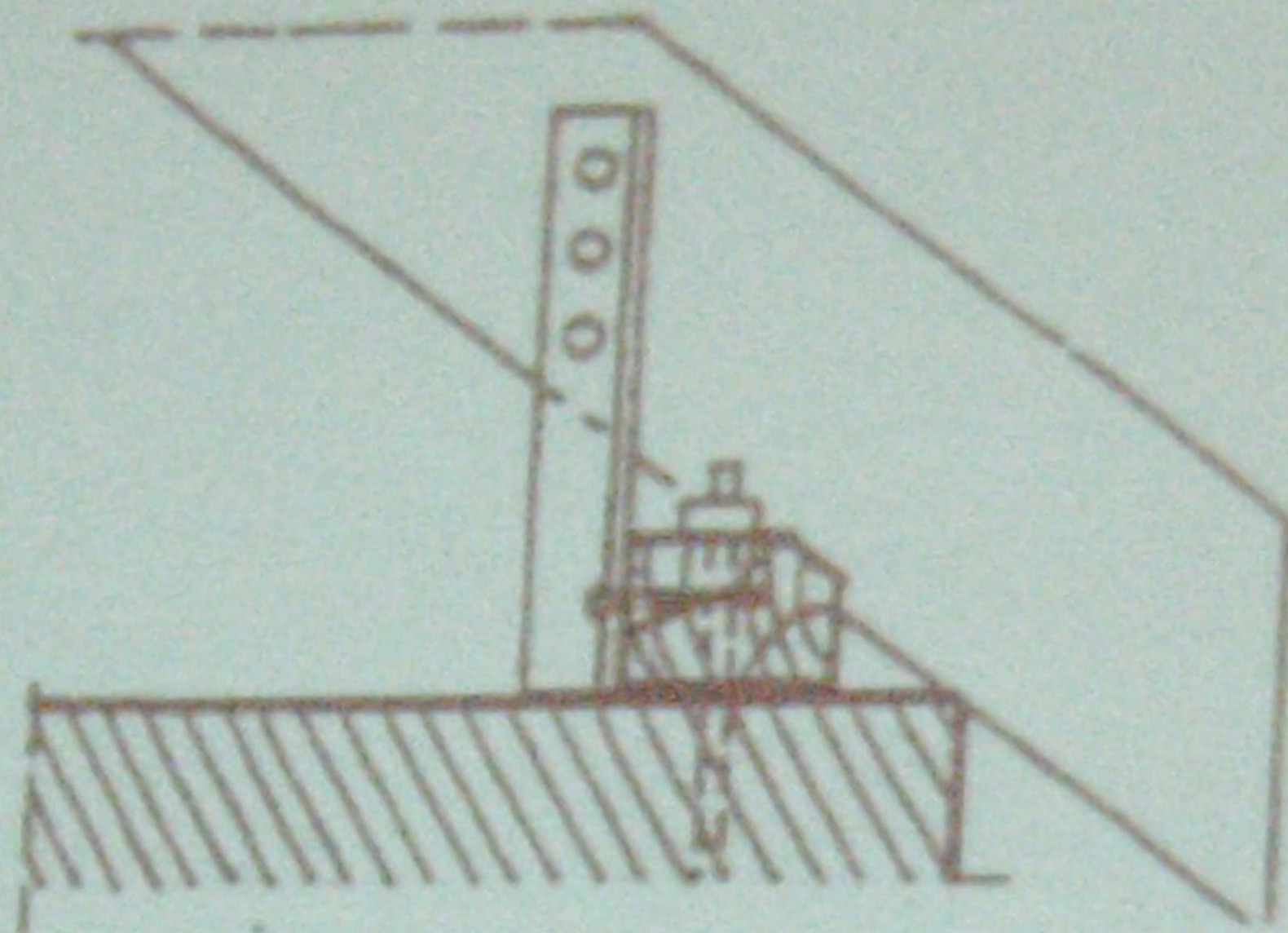
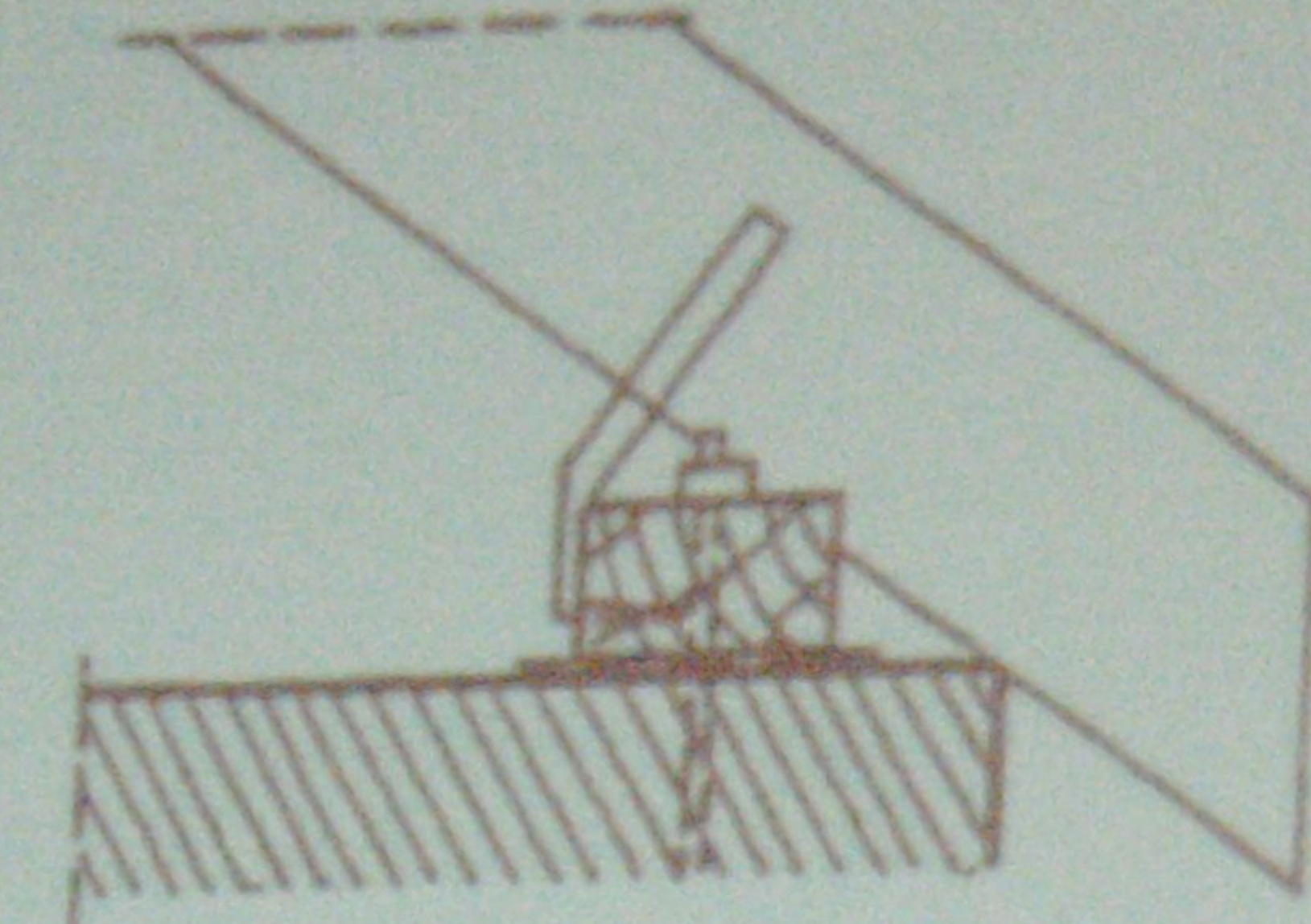
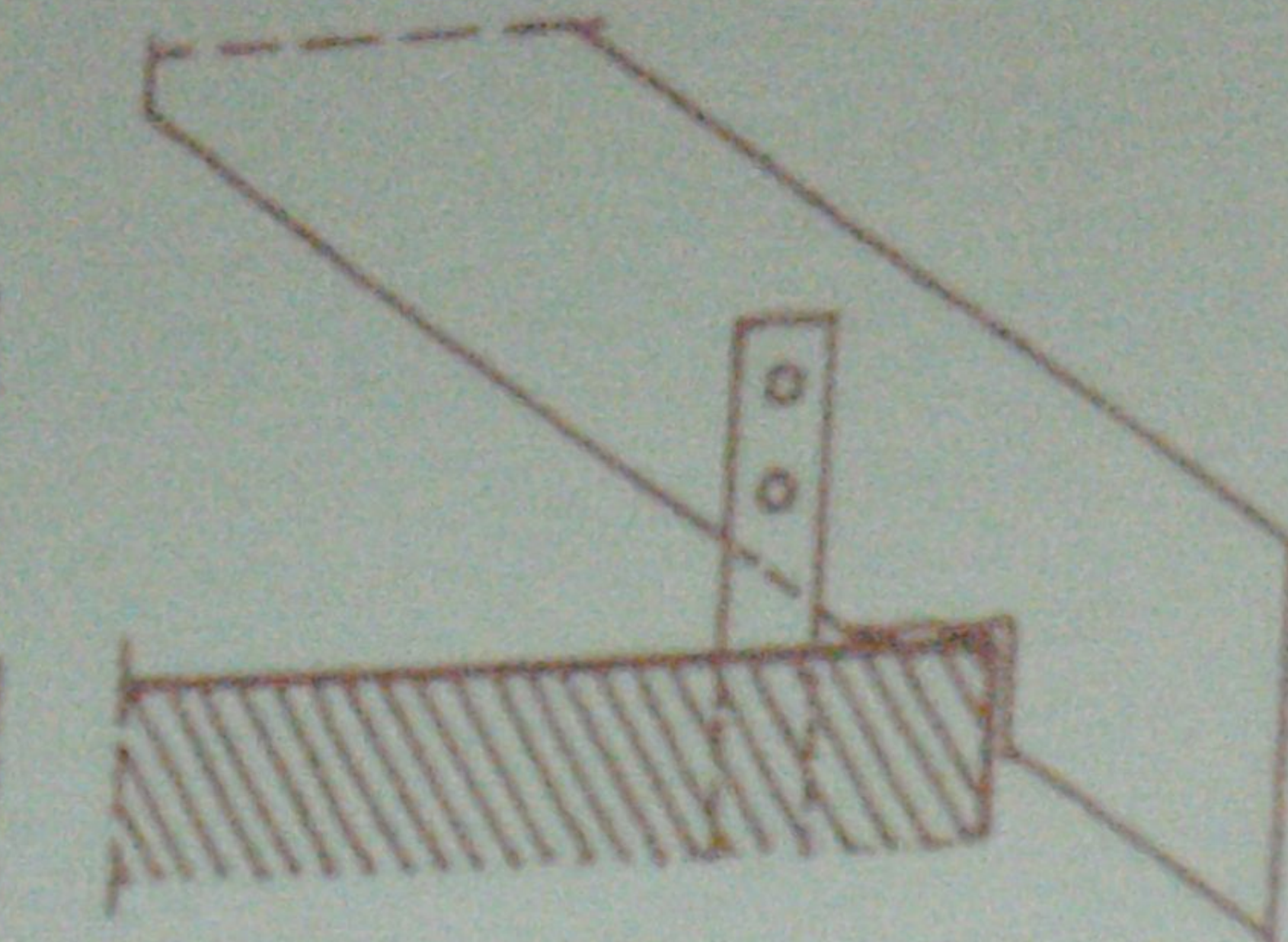
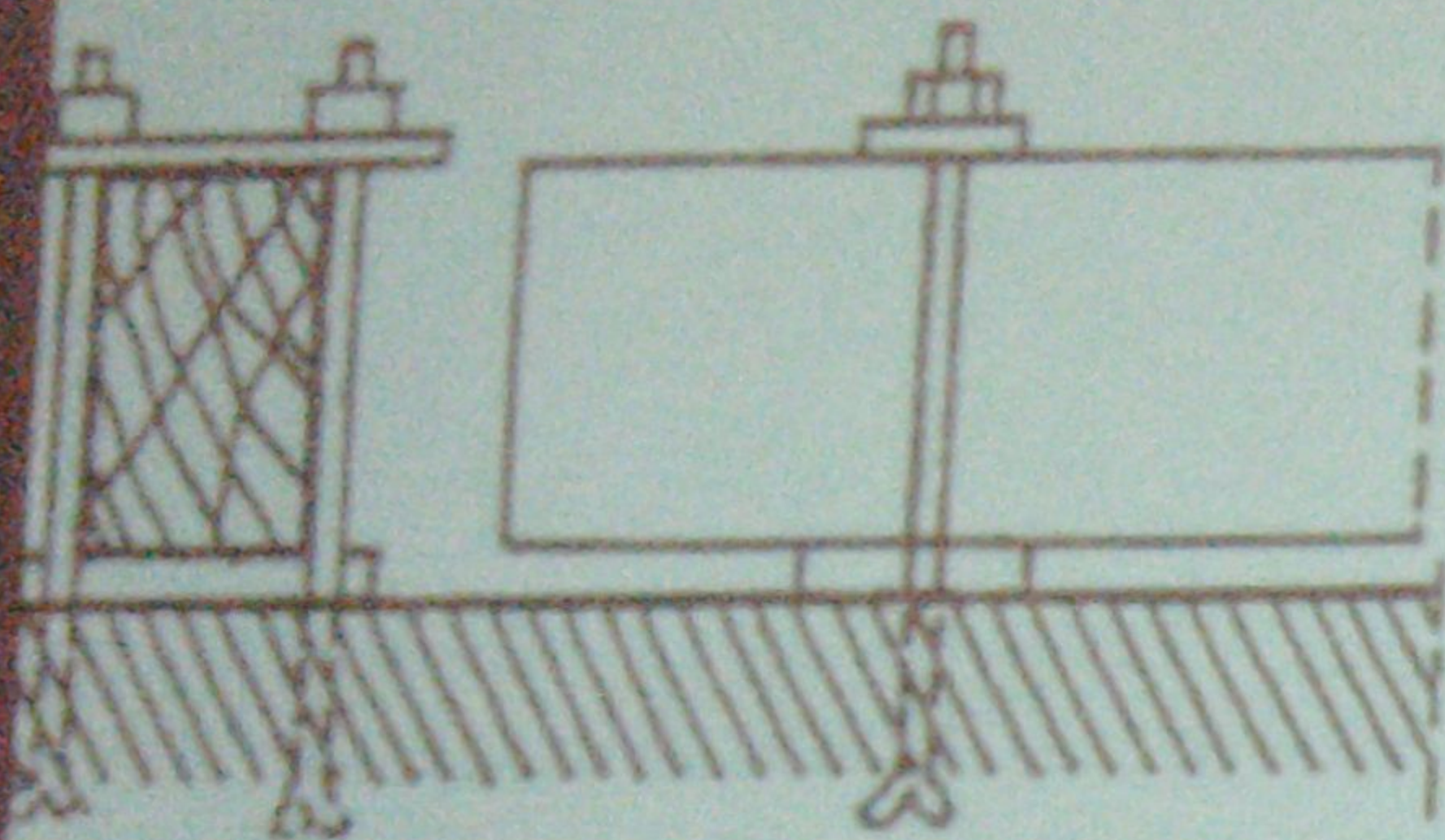
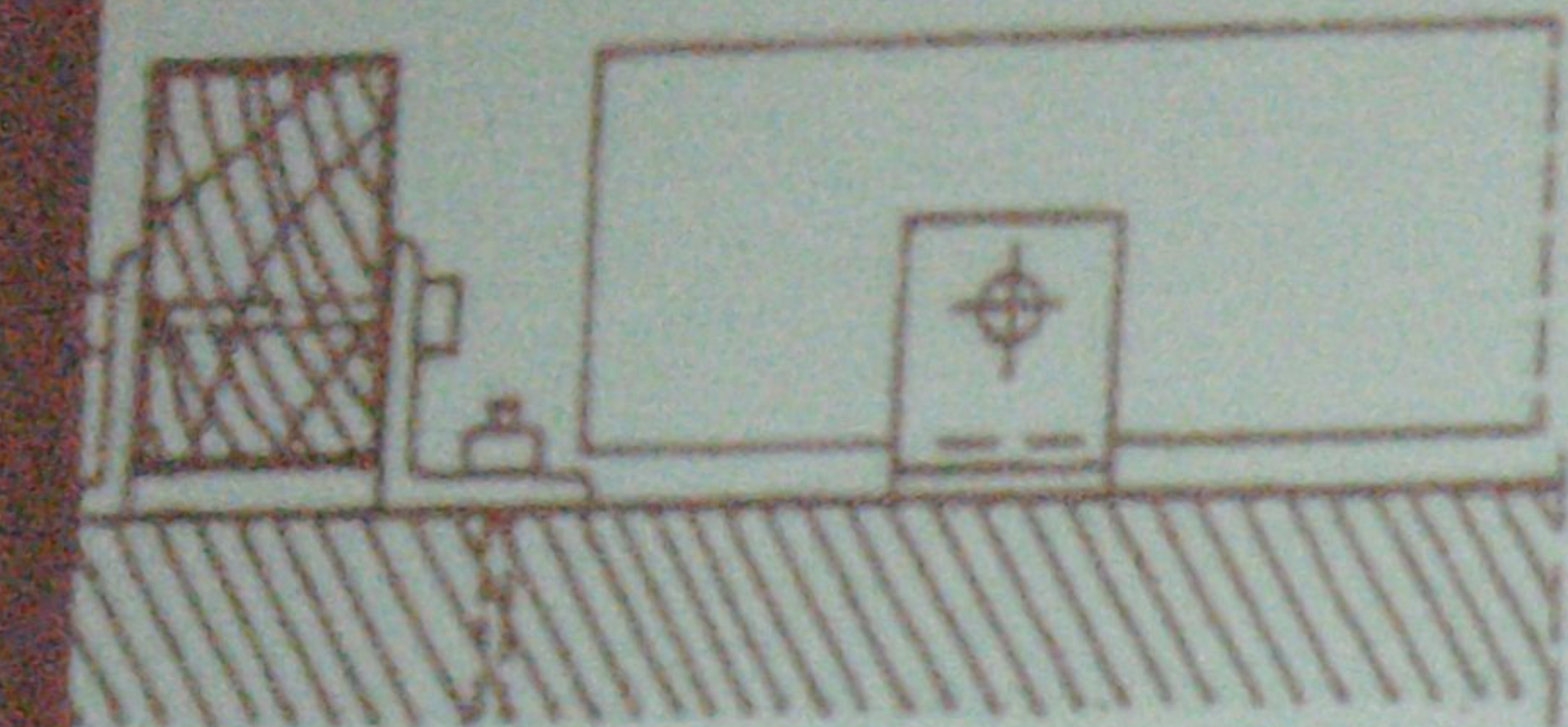
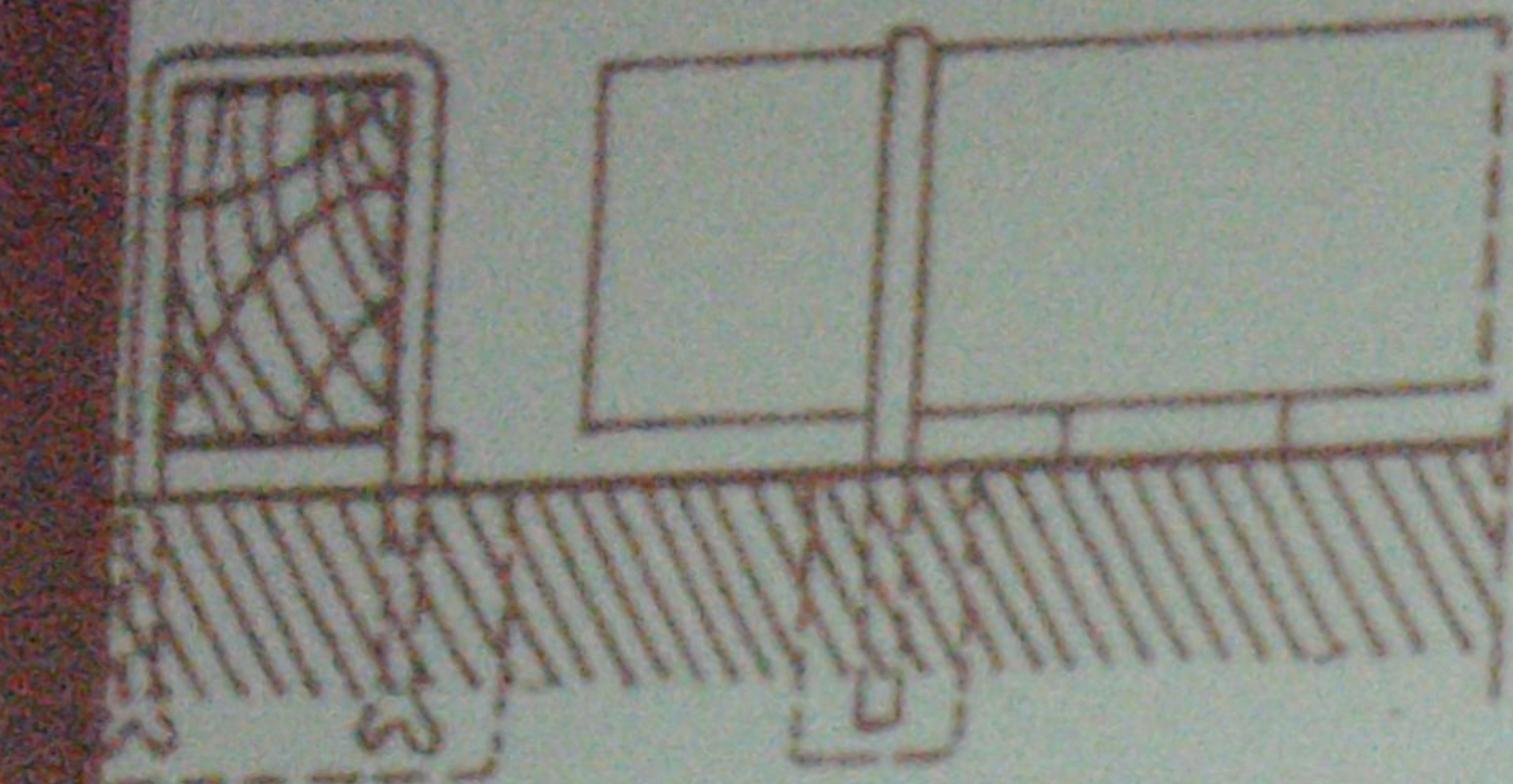


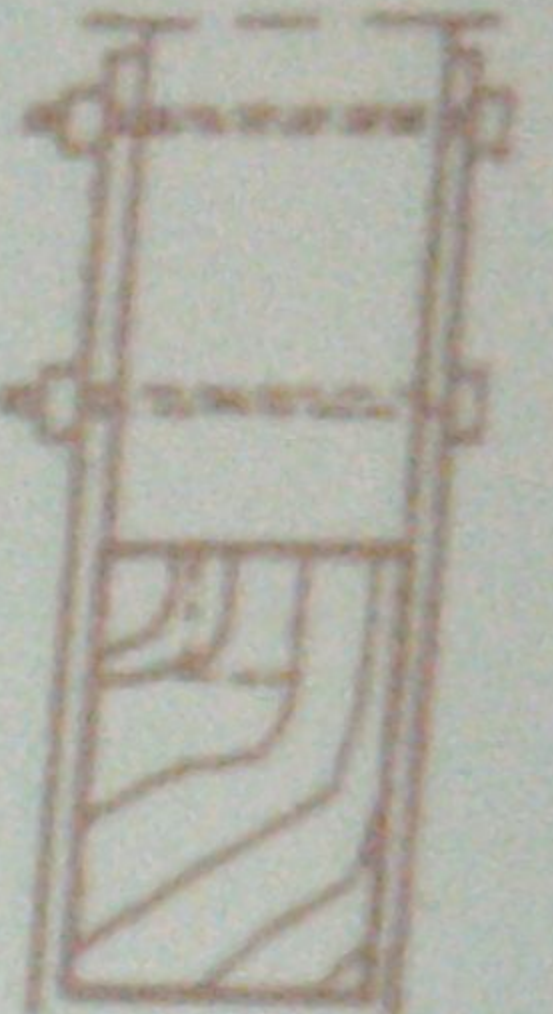
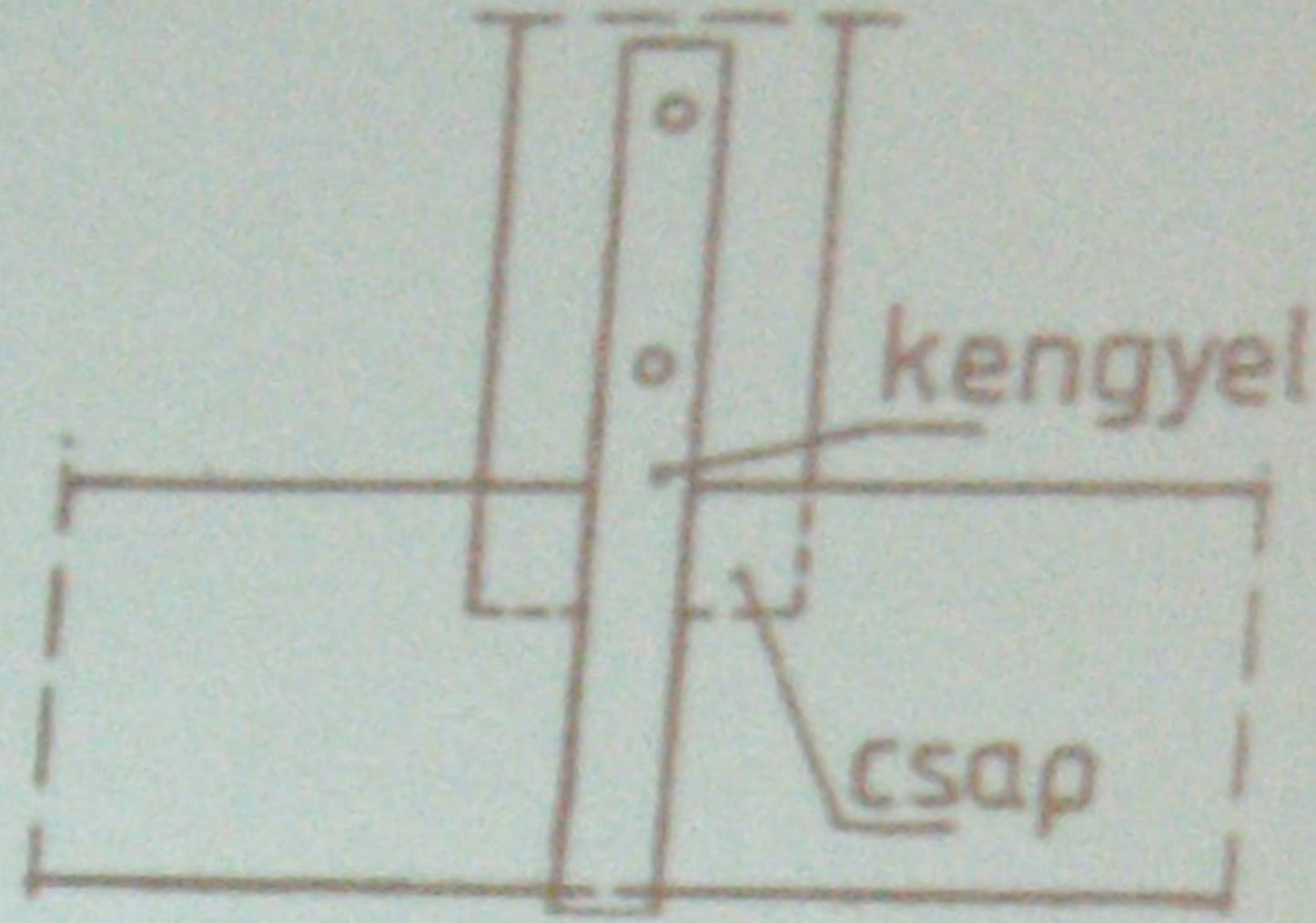
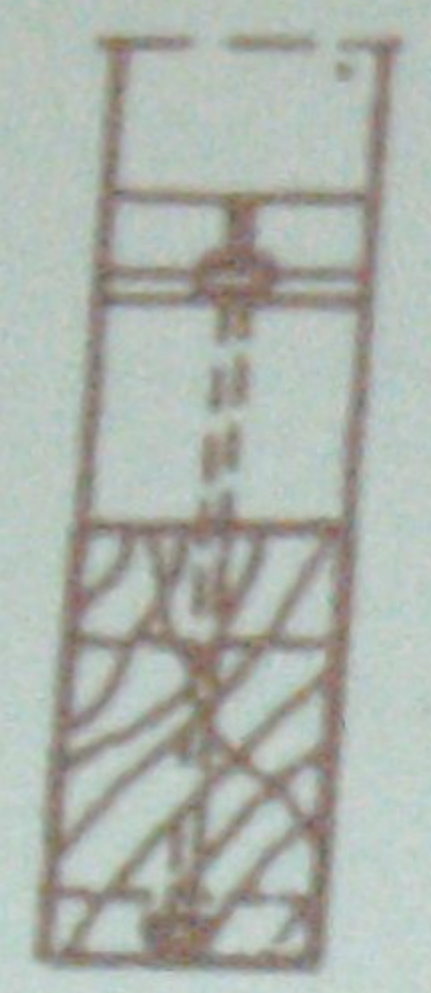
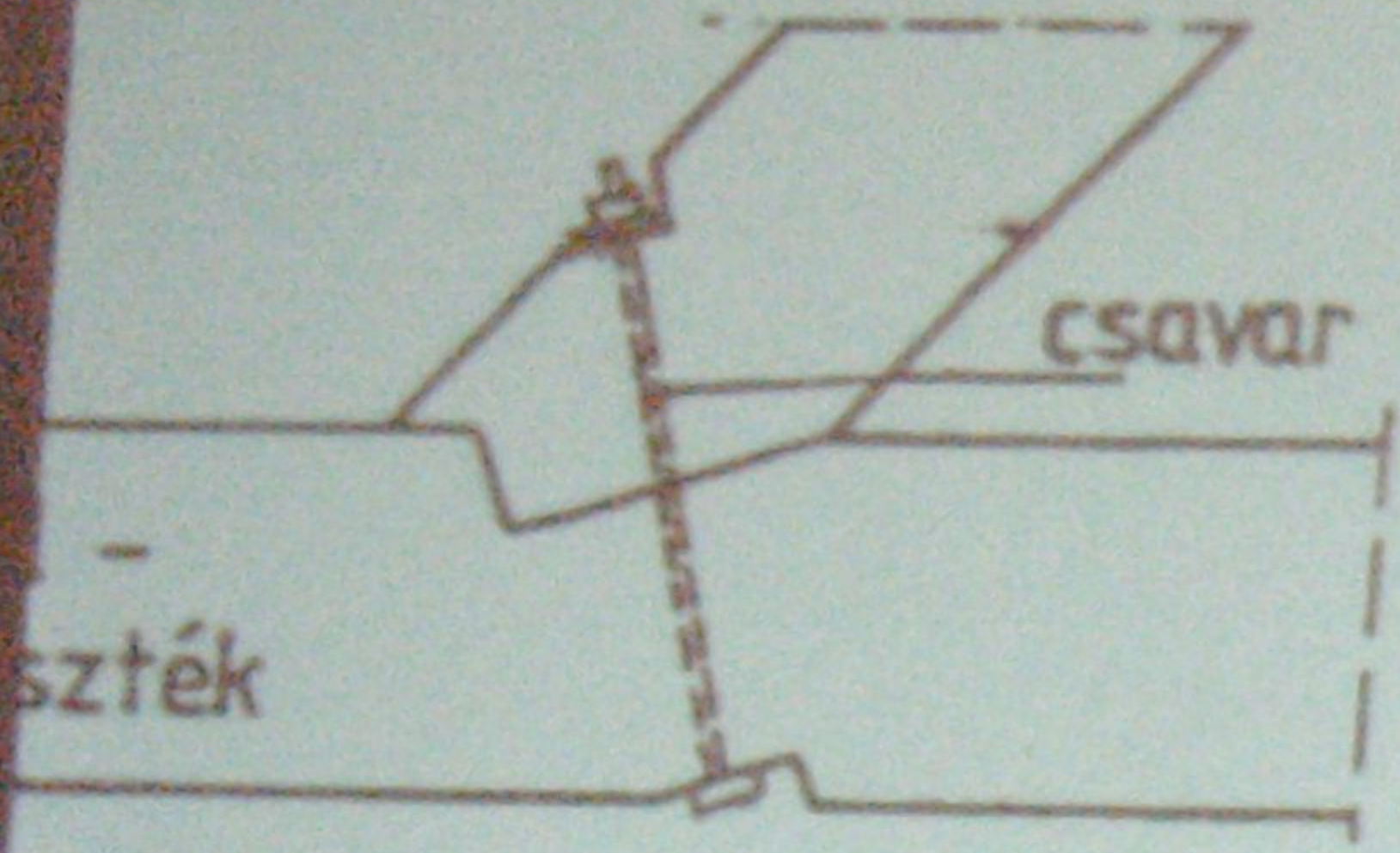
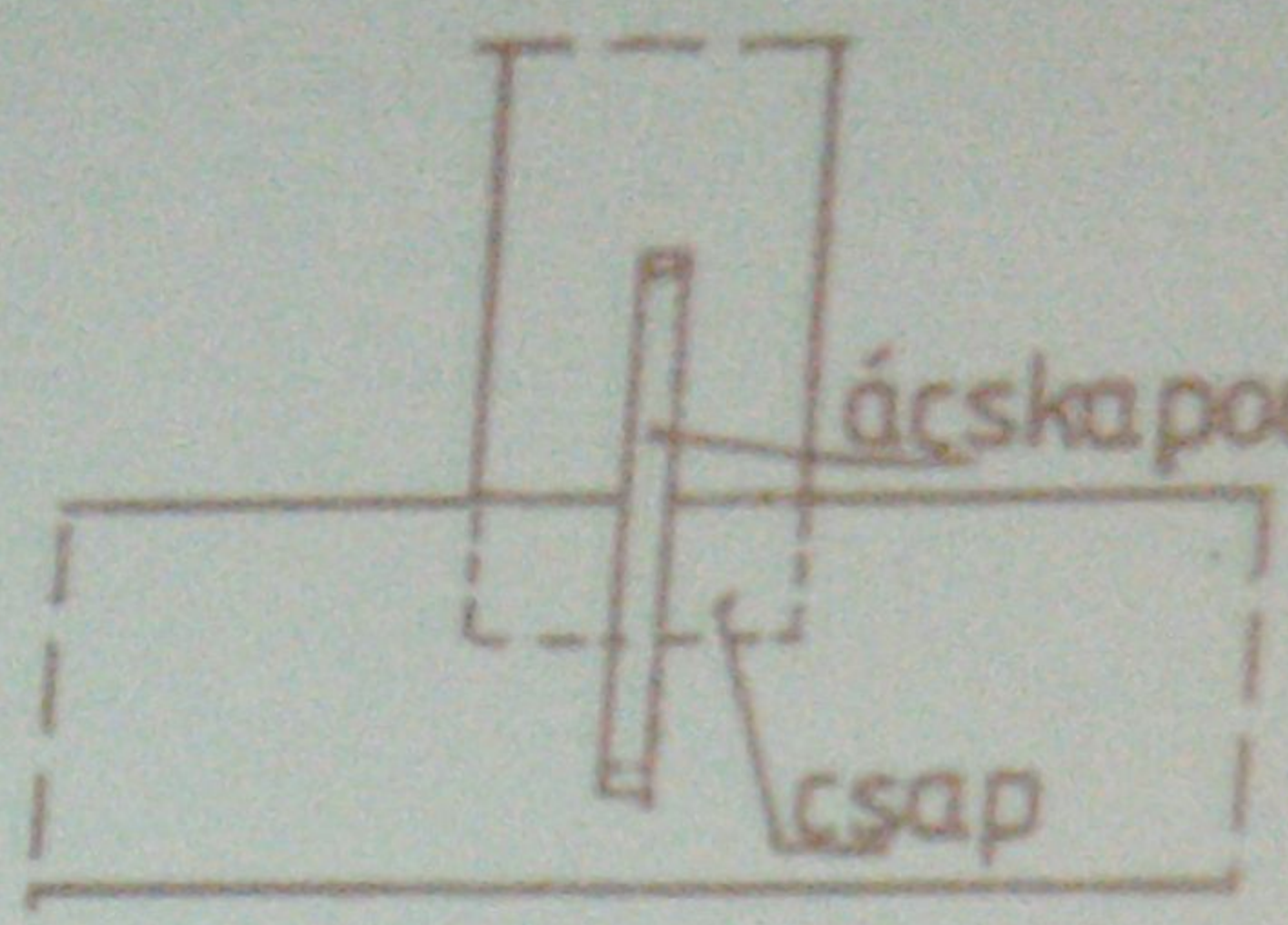
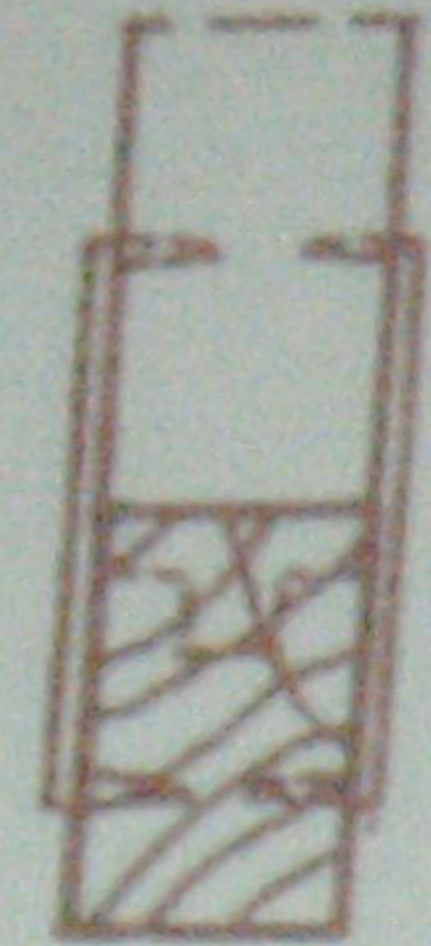
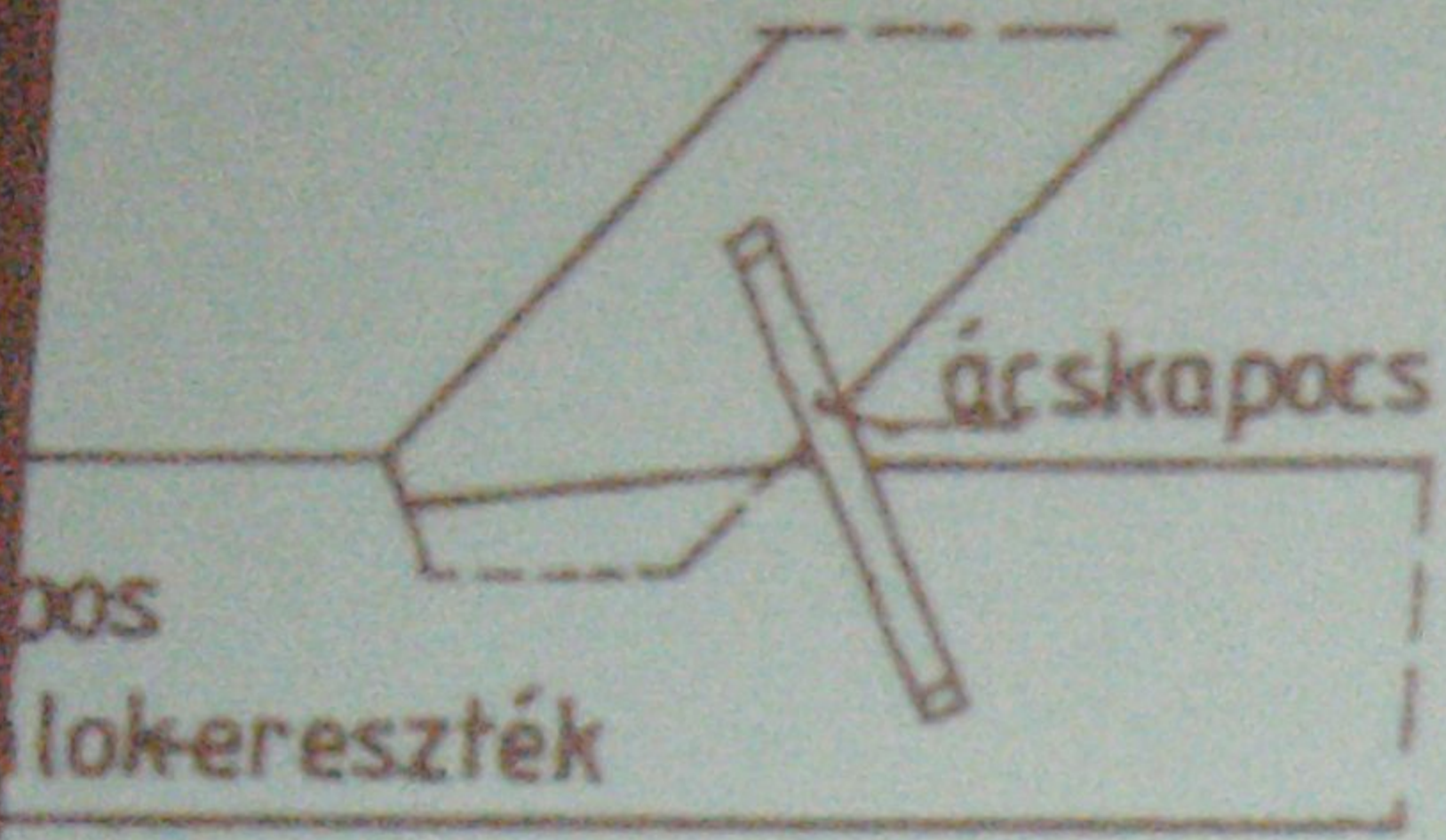


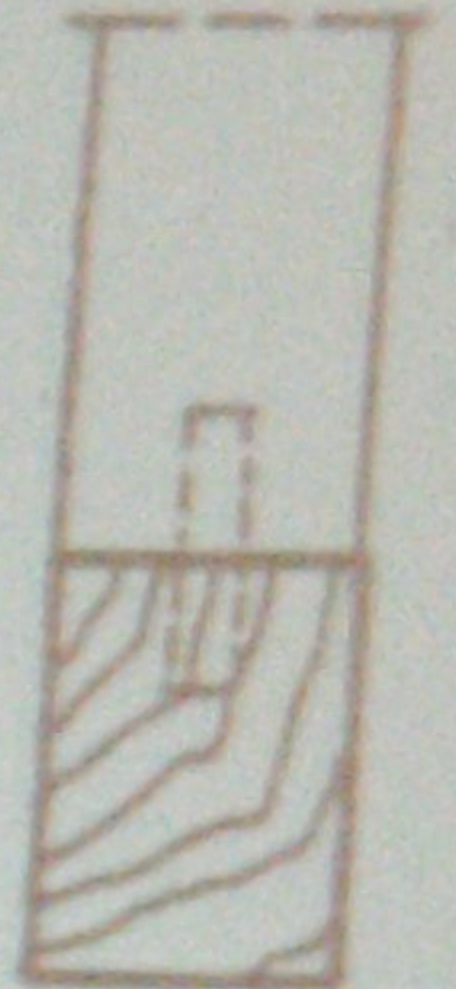
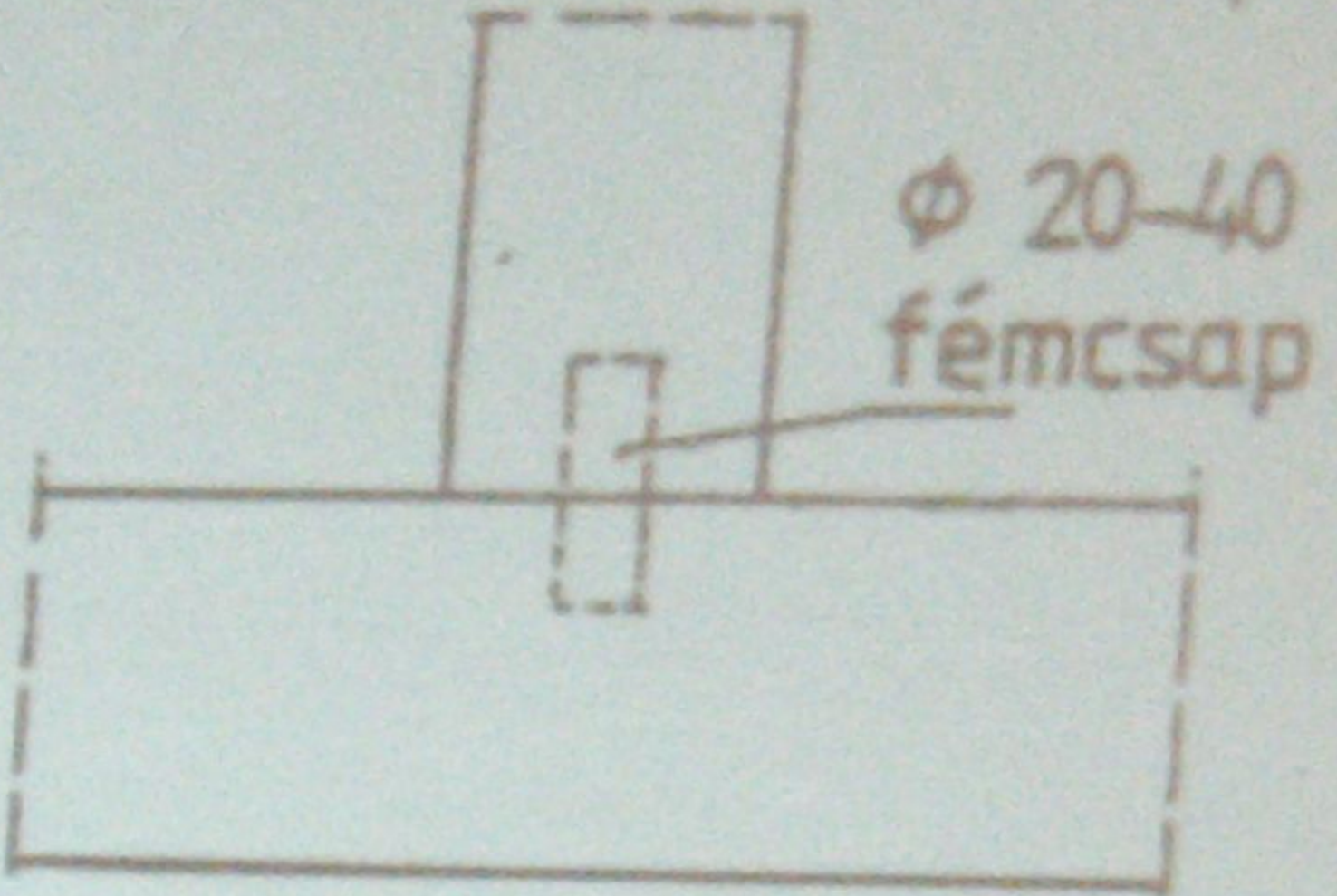
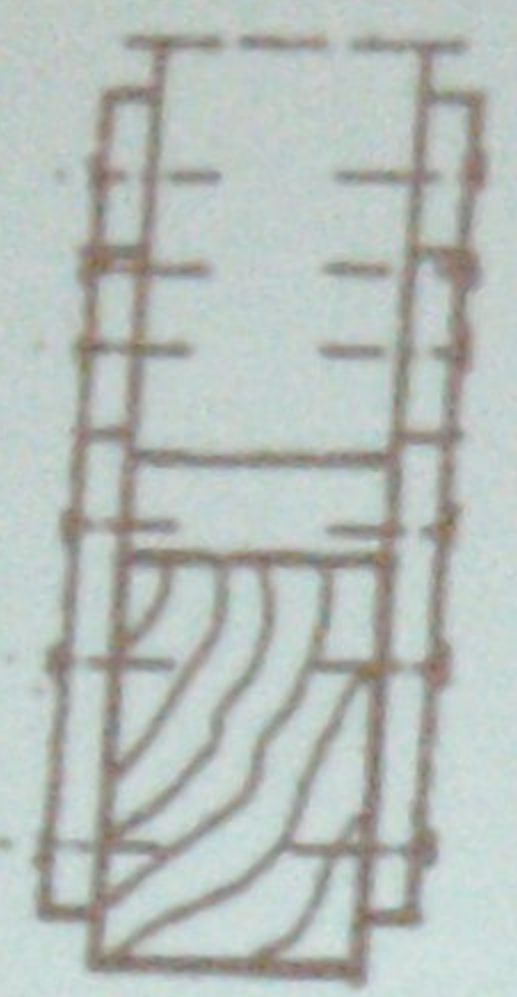
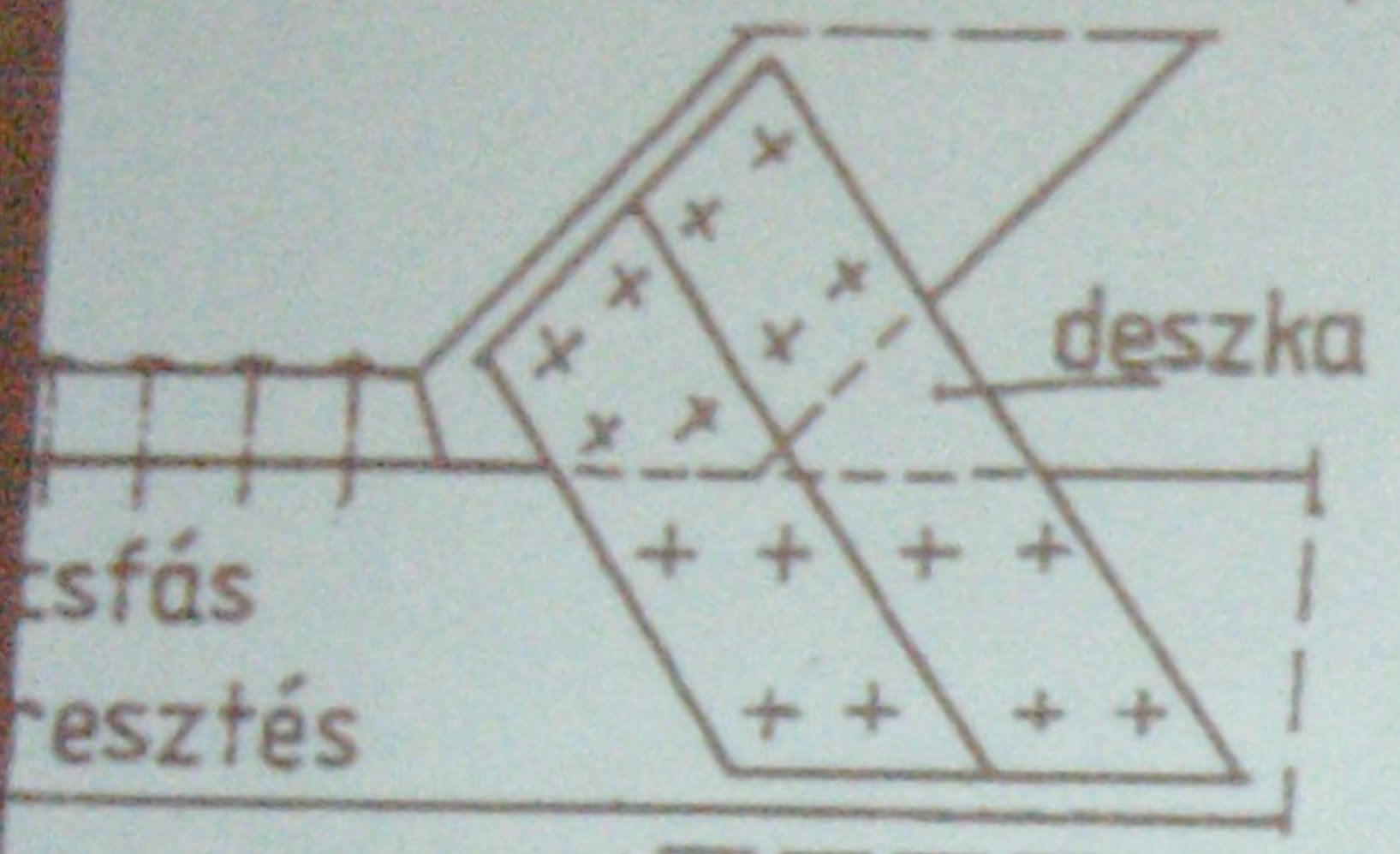
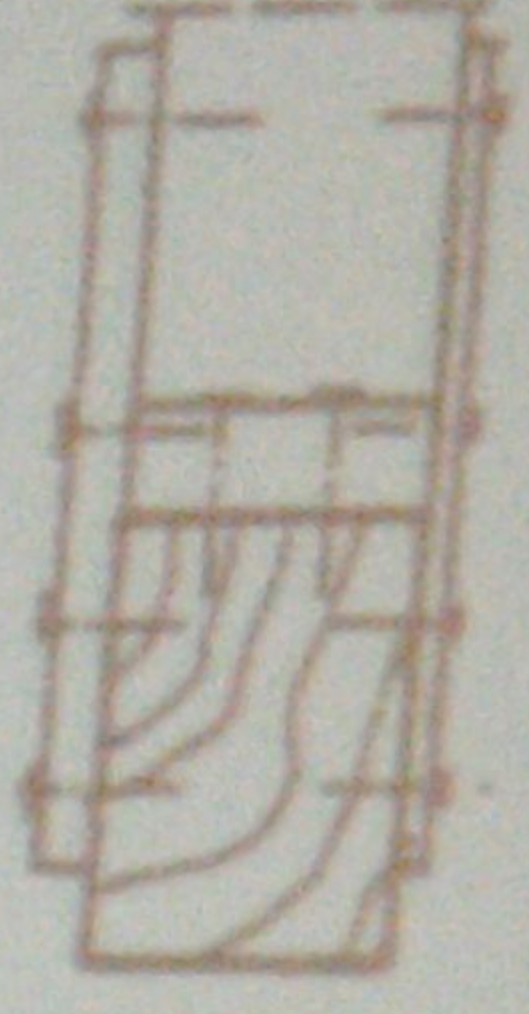
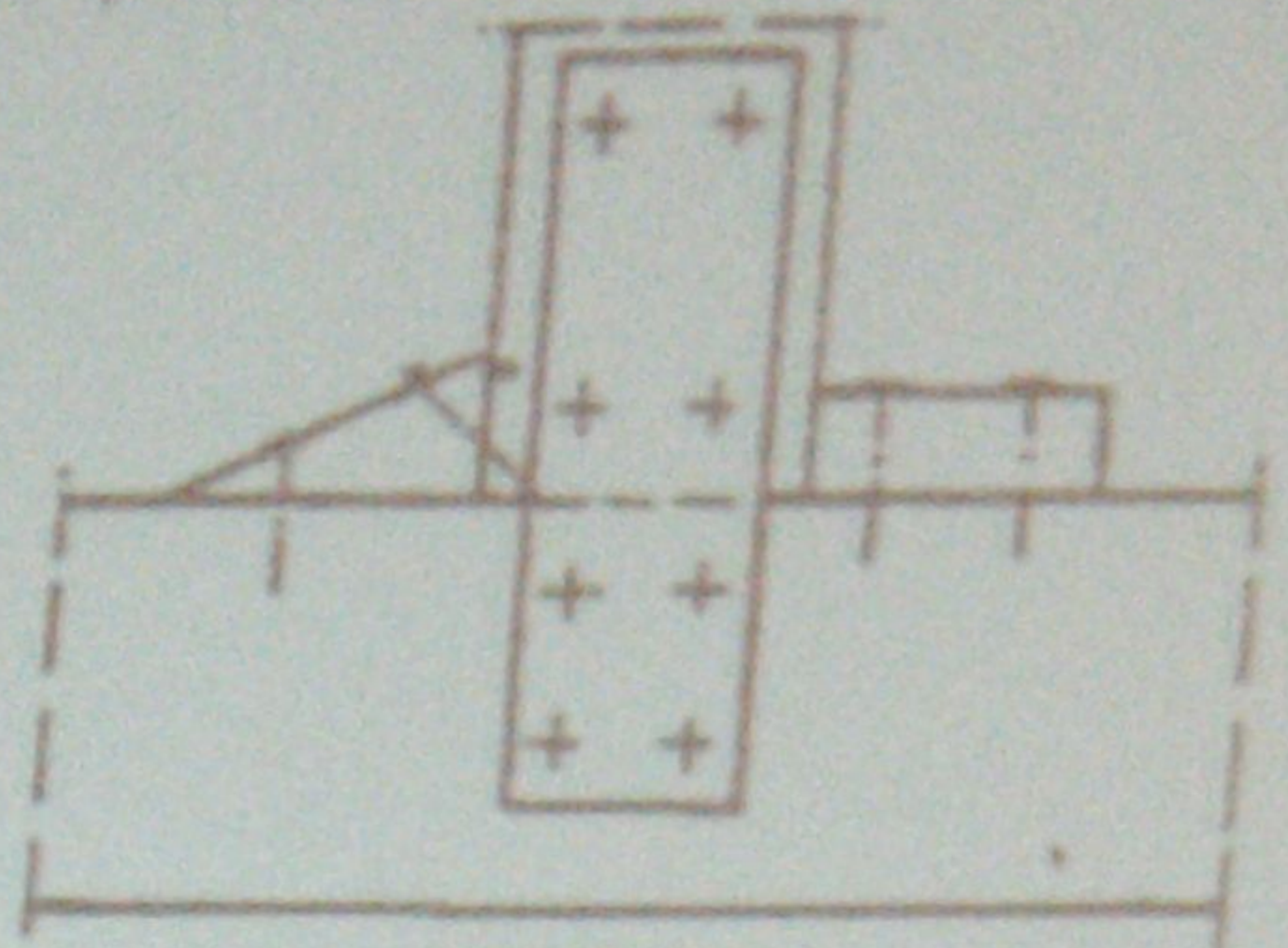
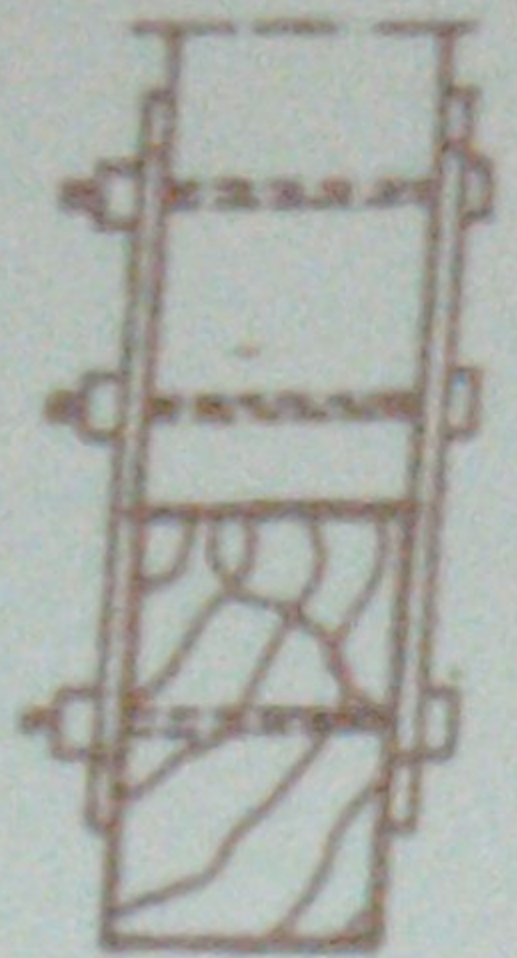
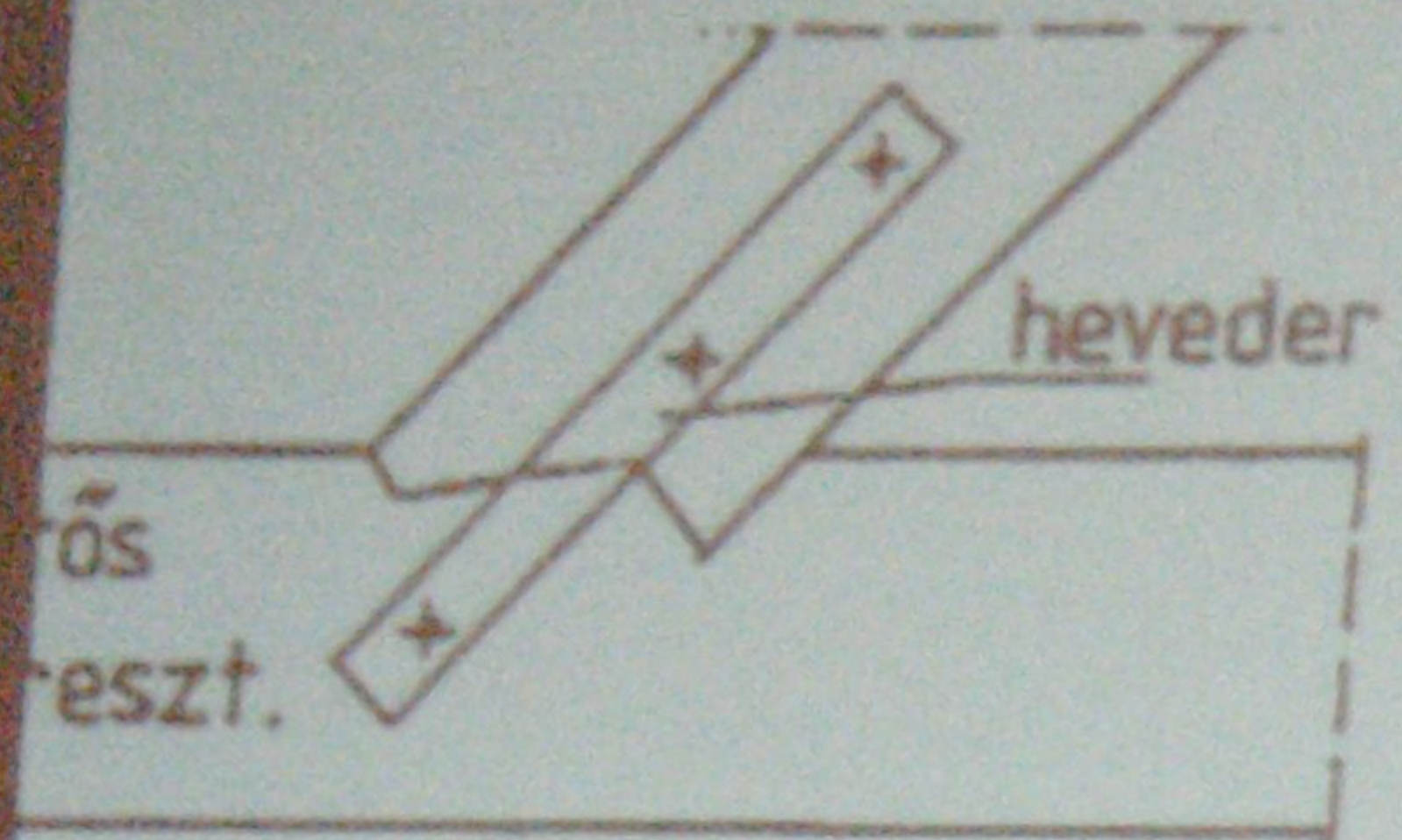
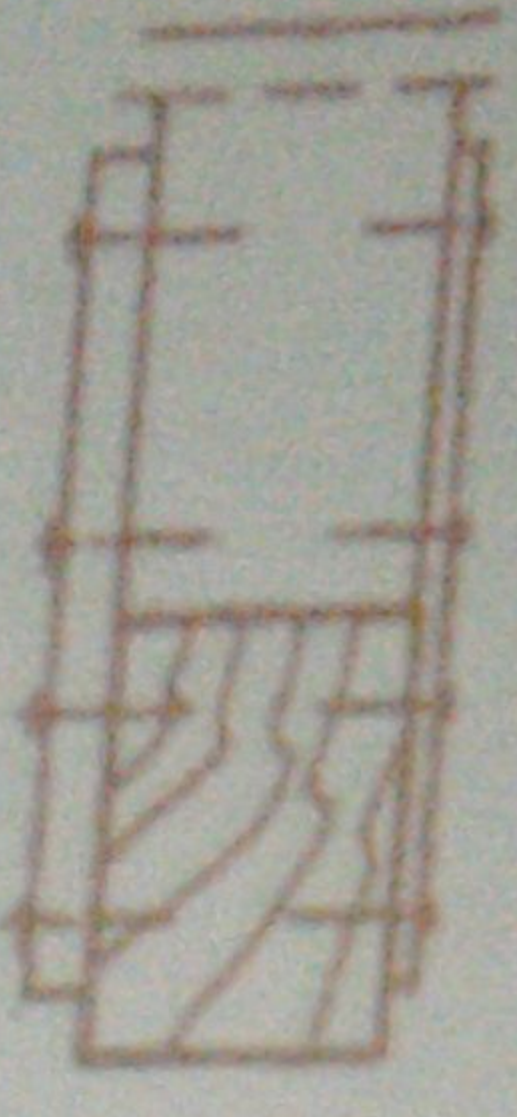
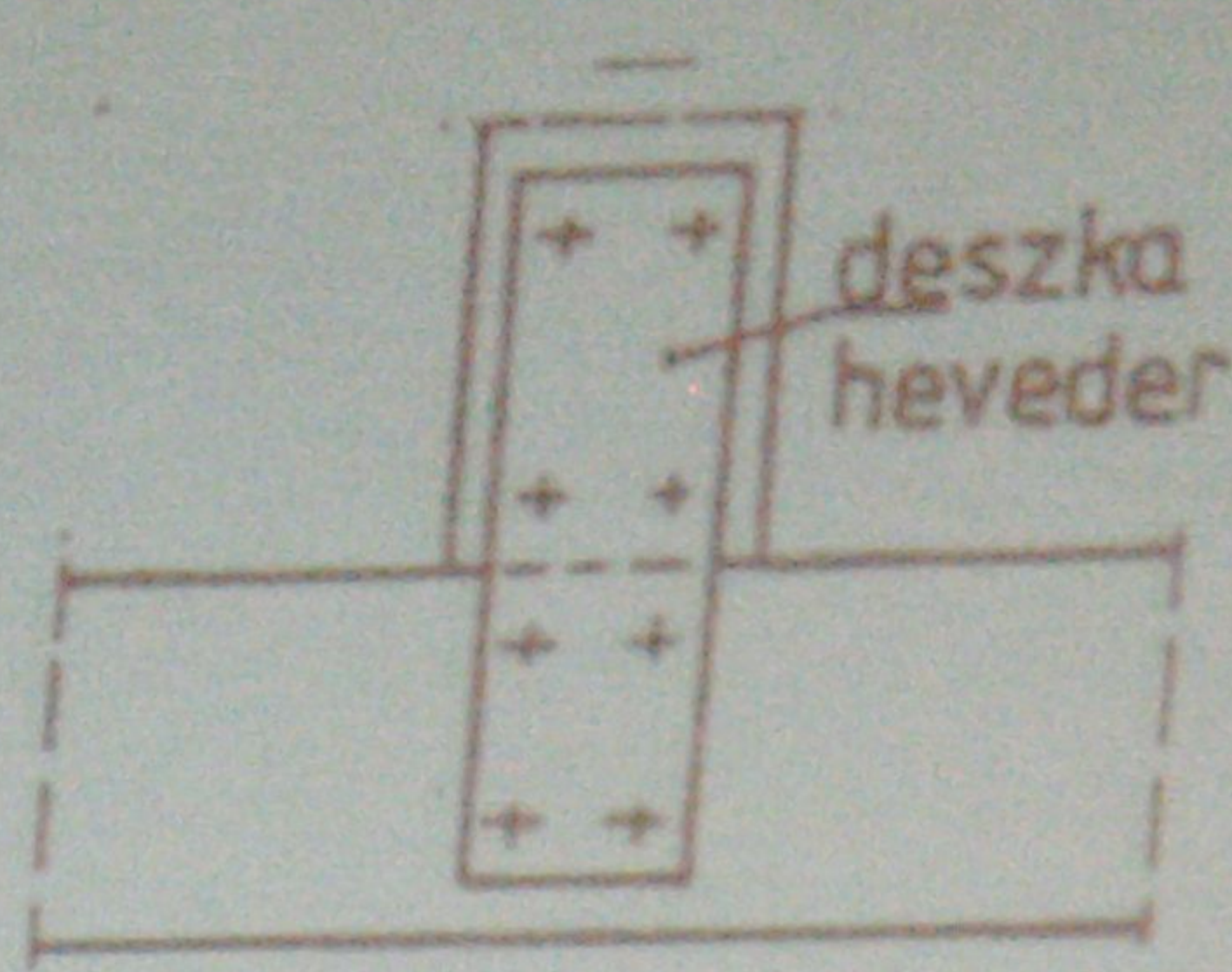
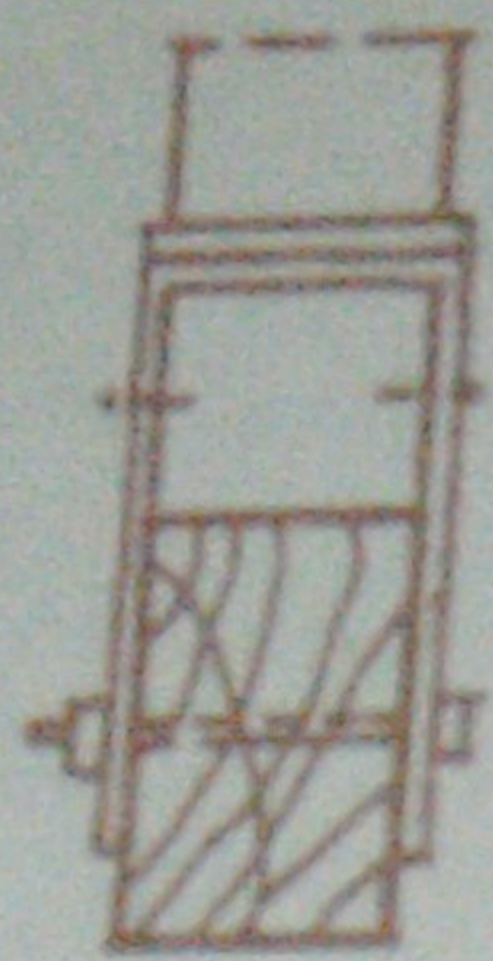
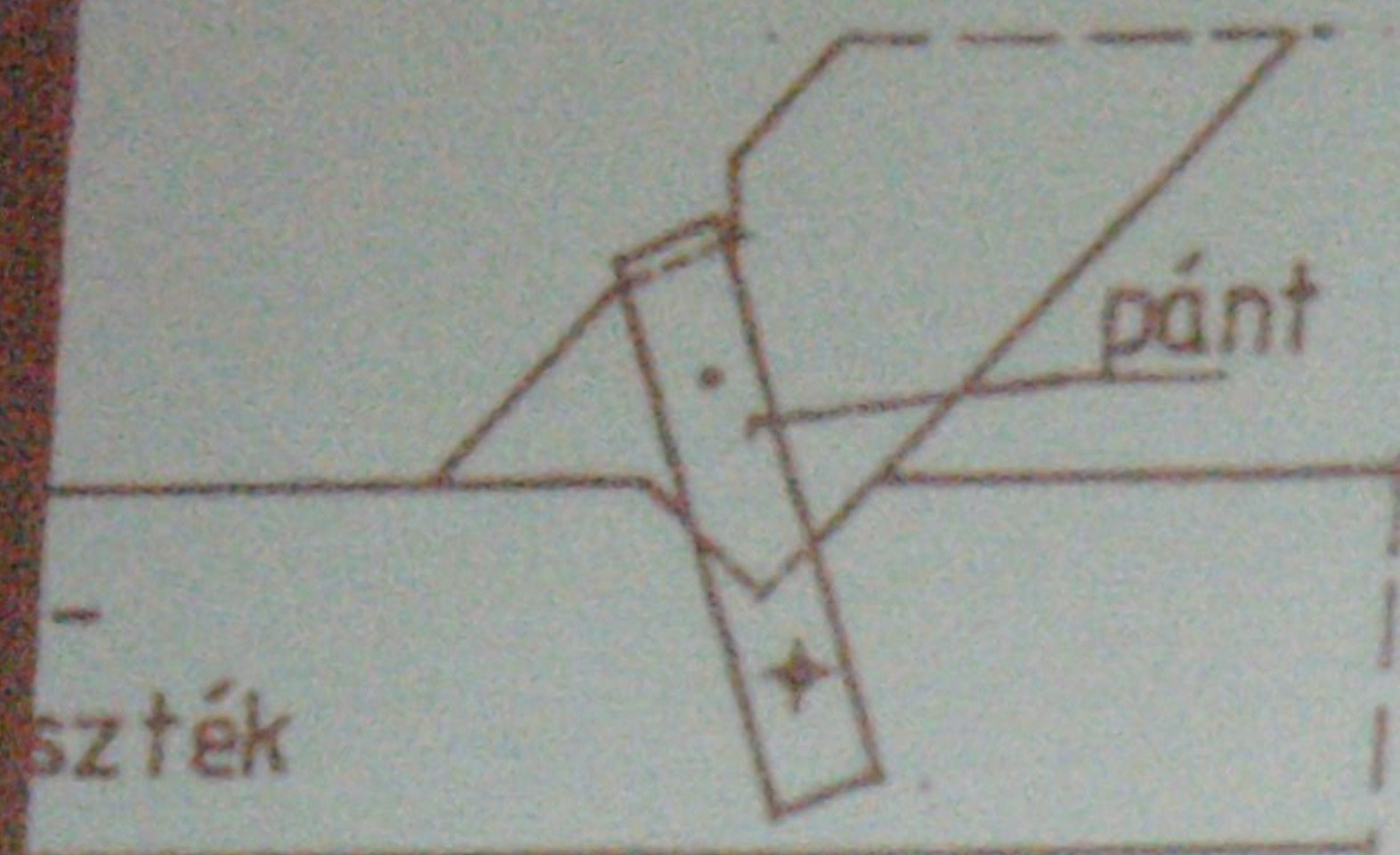
- $l = 40-120 \text{ mm}$
- $m = 120-1250 \text{ mm}$
- $n = 50-90 \text{ mm}$
- $o = 50-90 \text{ mm}$
- $p = 40-65 \text{ mm}$
- $r = 50-90-100 \text{ mm}$
- $s = 50-90-100 \text{ mm}$
- $t = 50-90 \text{ mm}$



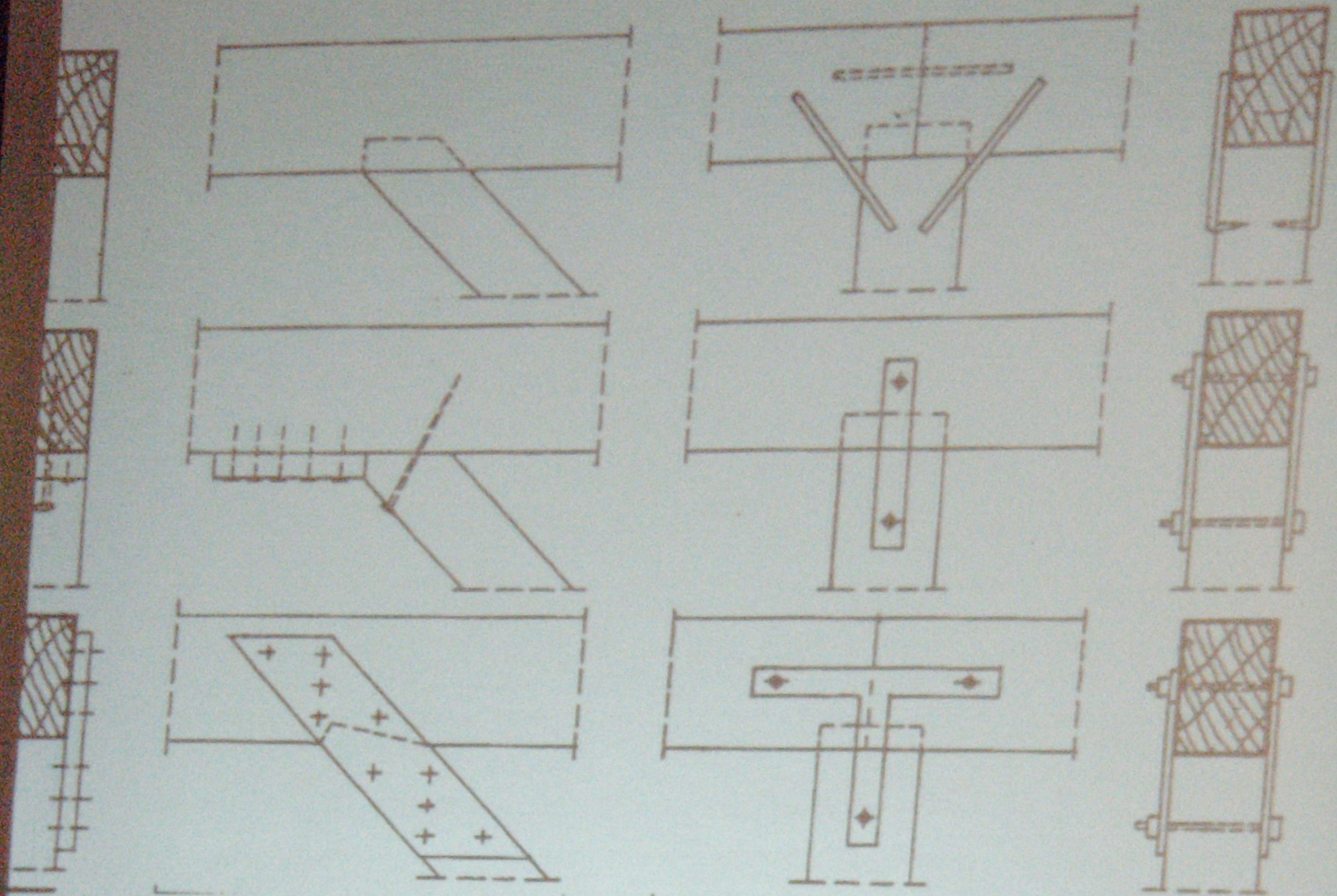


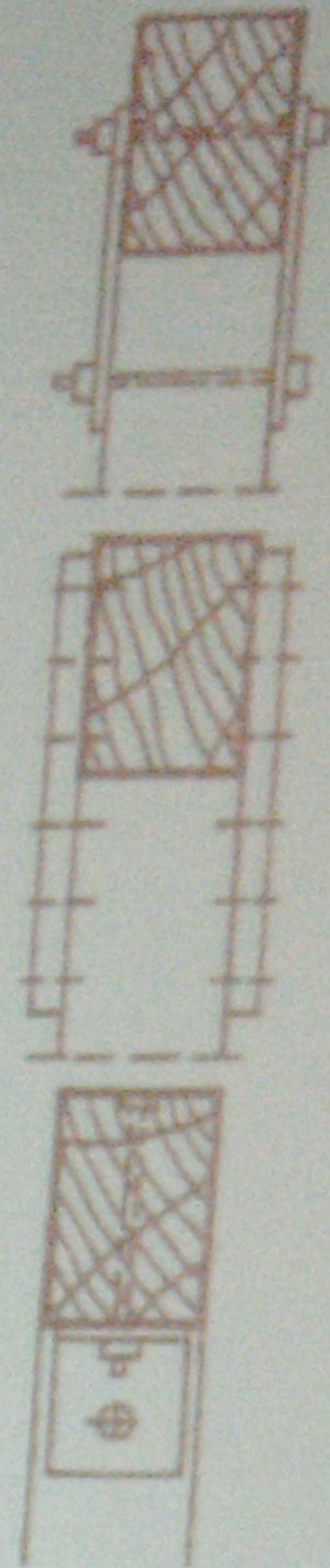
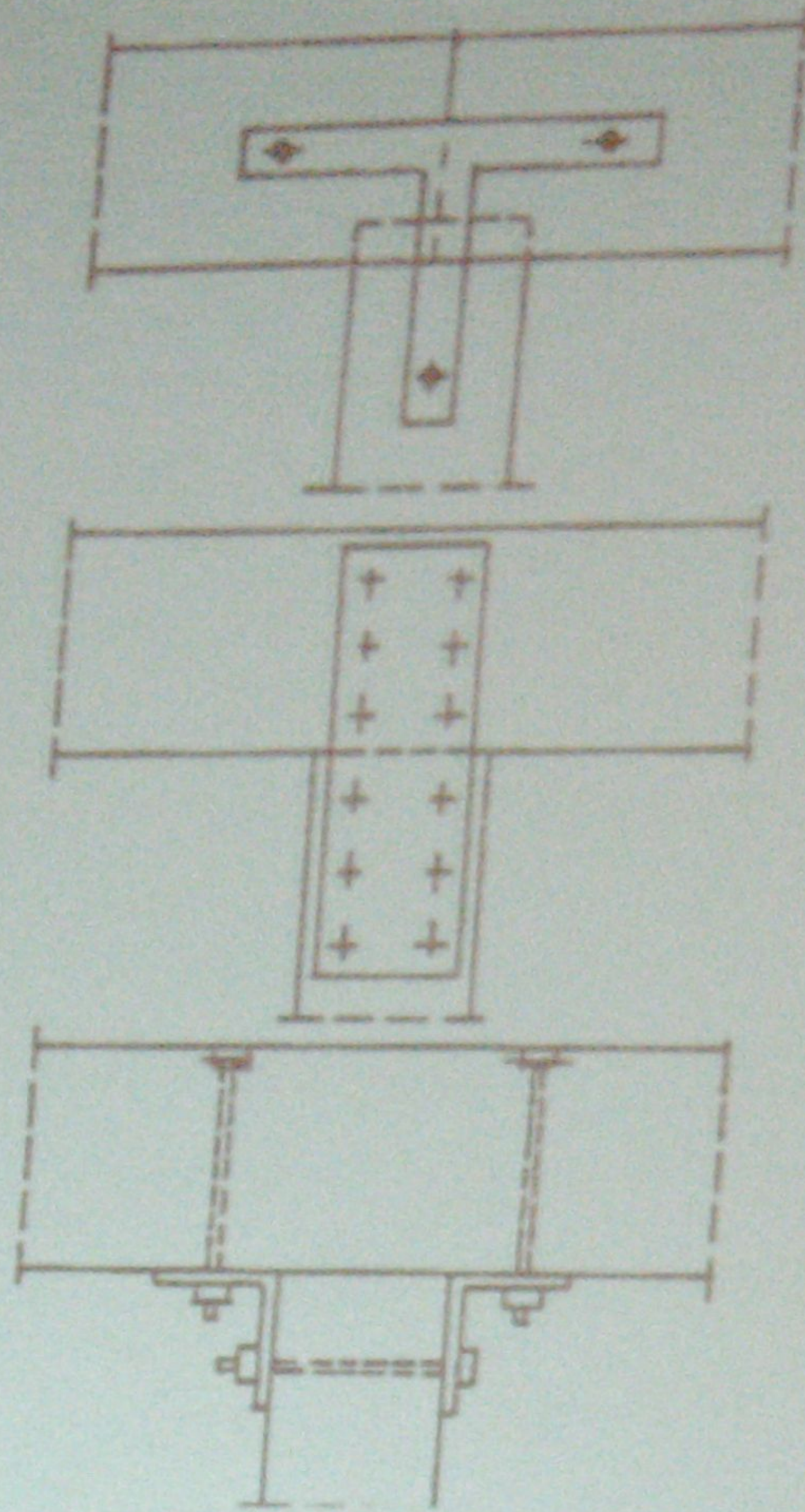
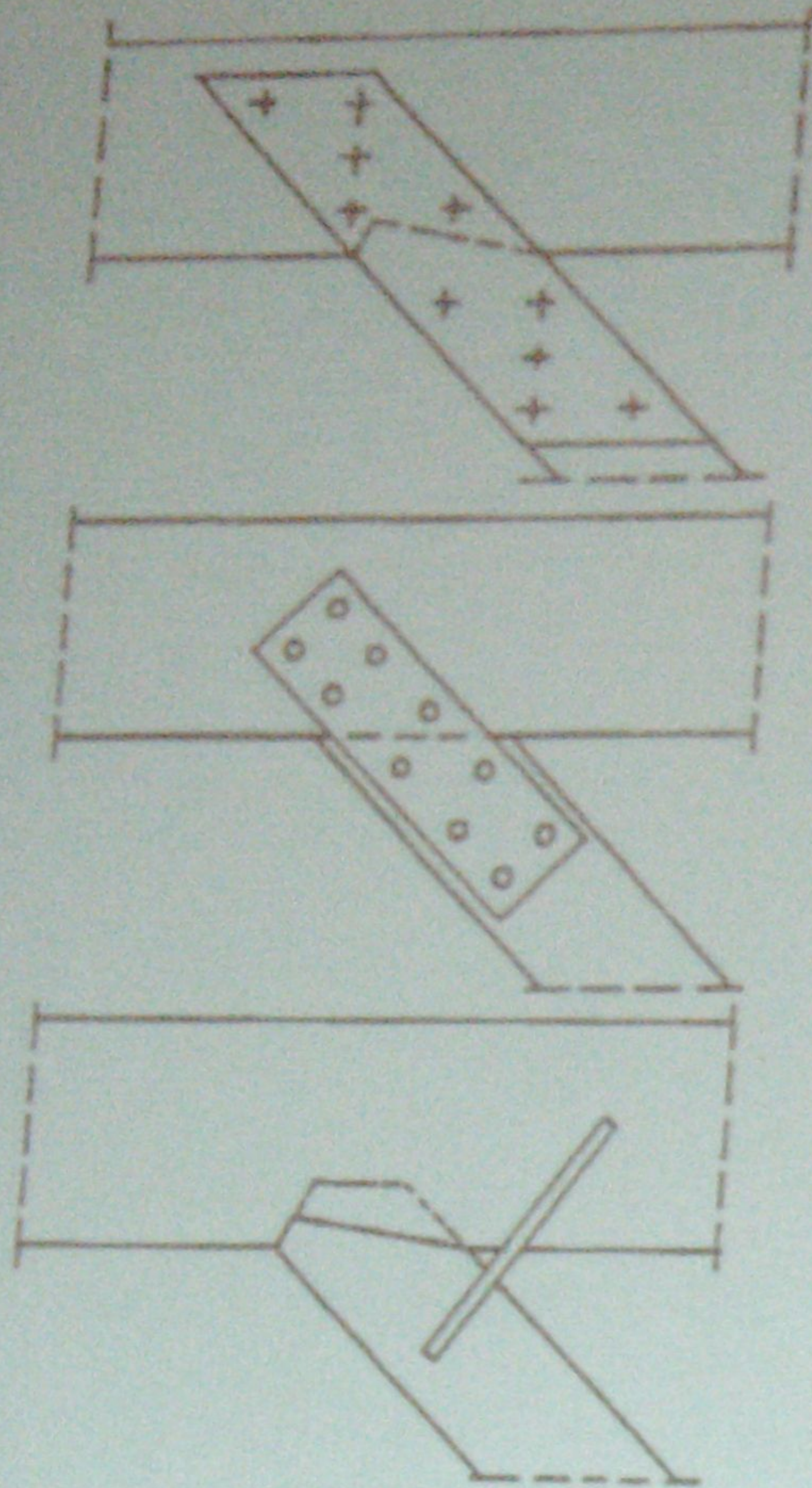


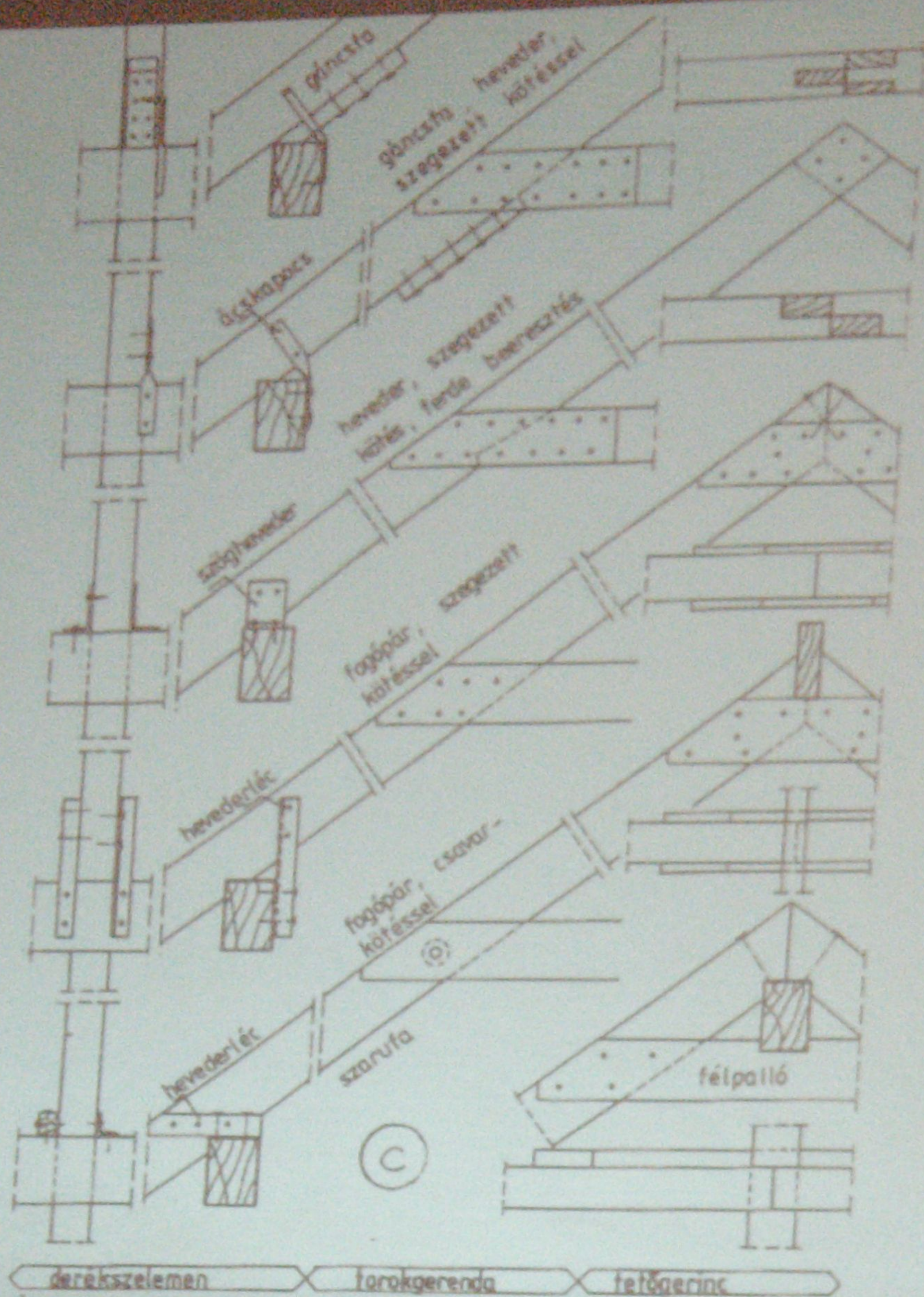


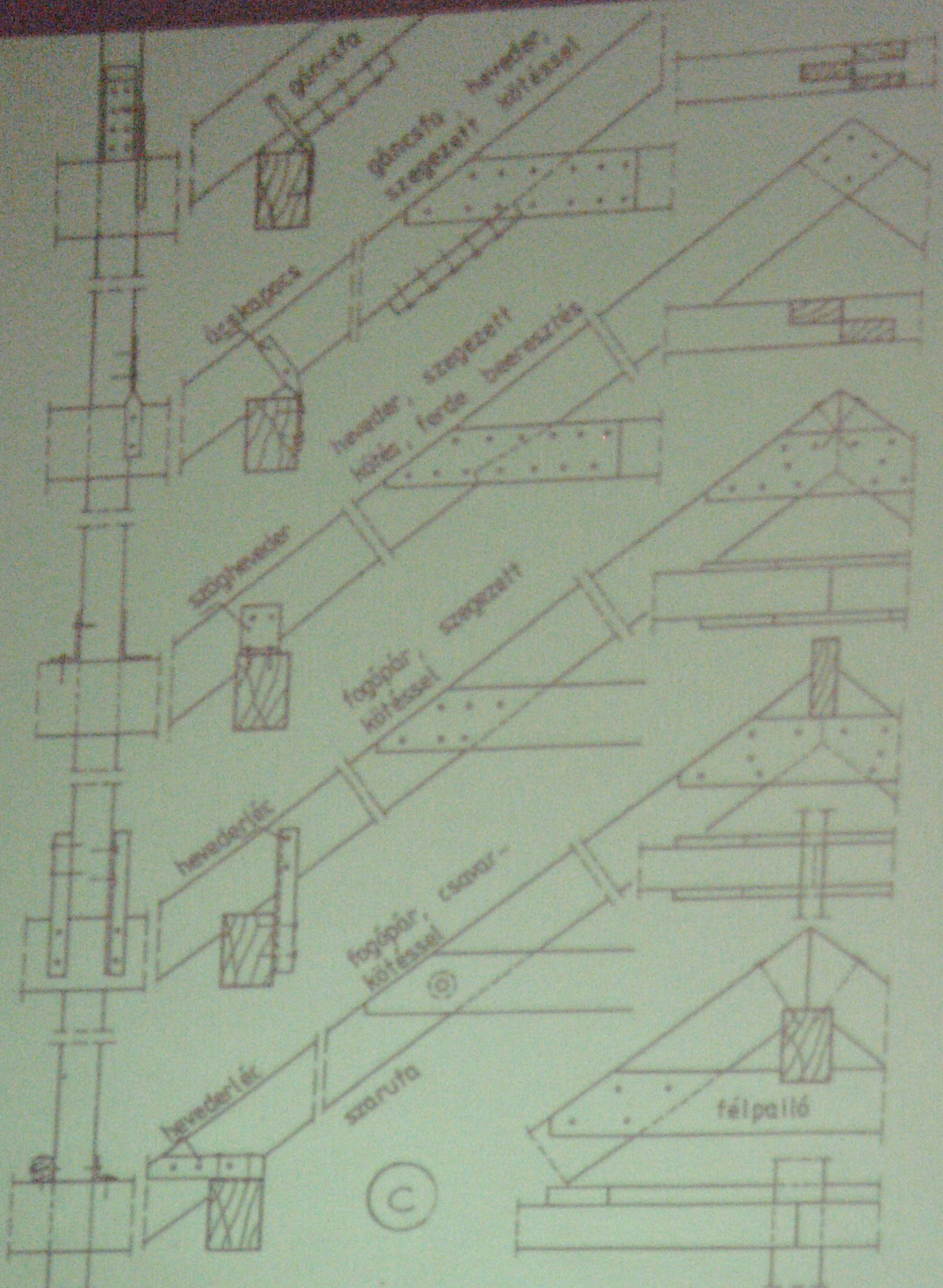




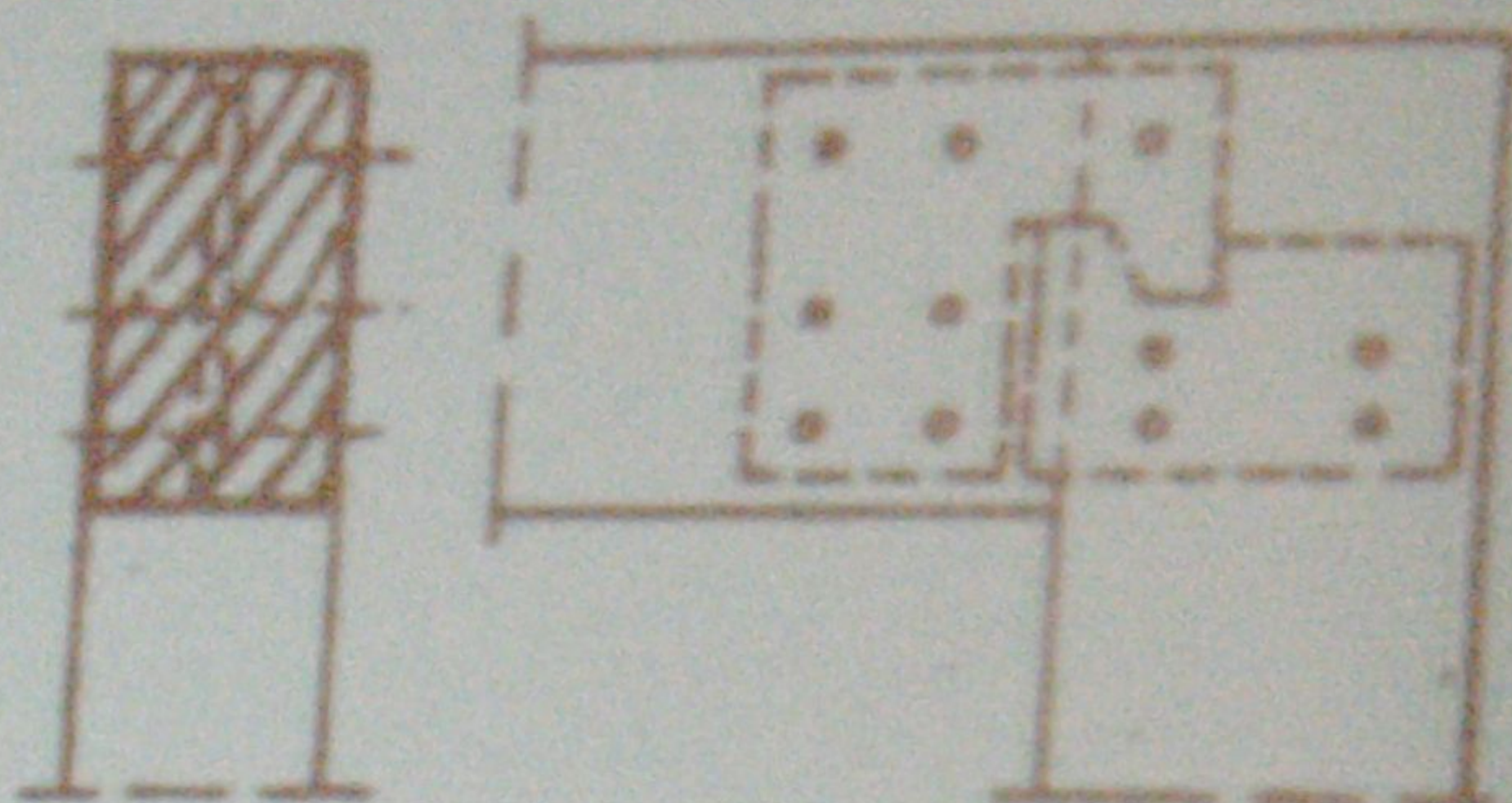
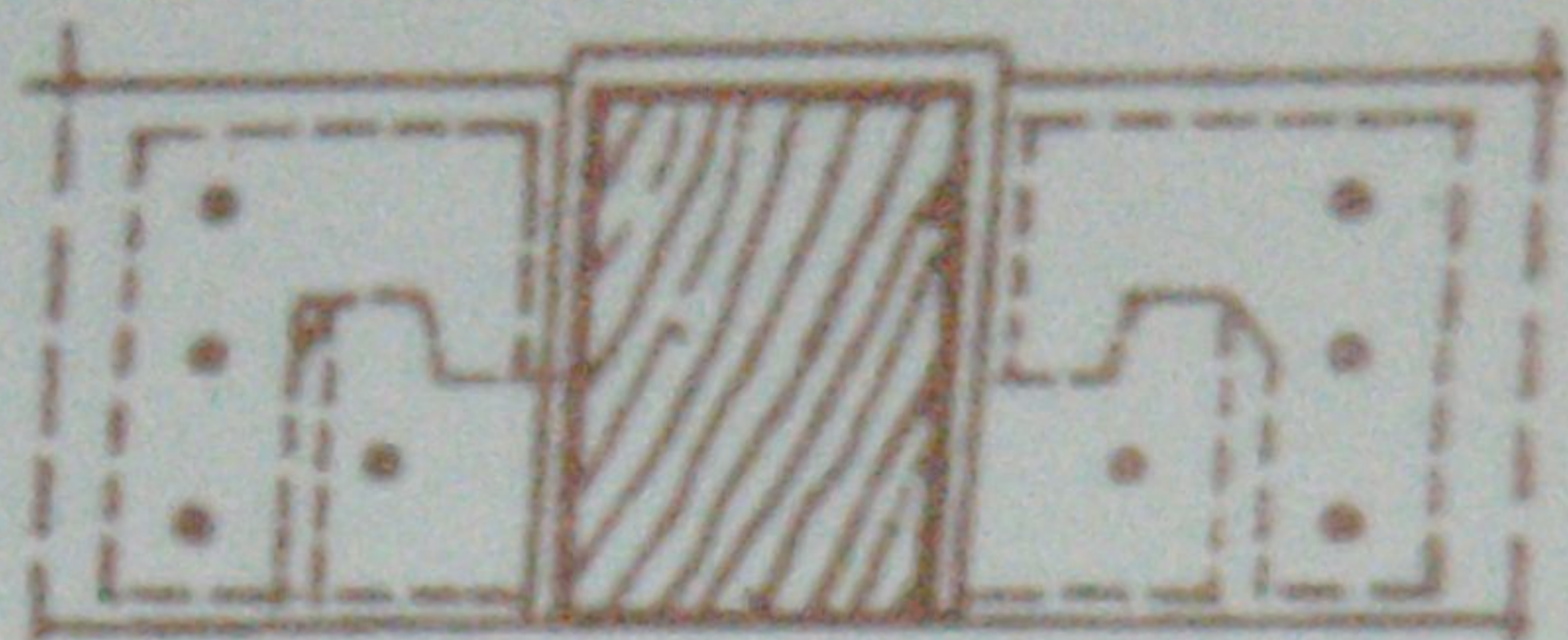
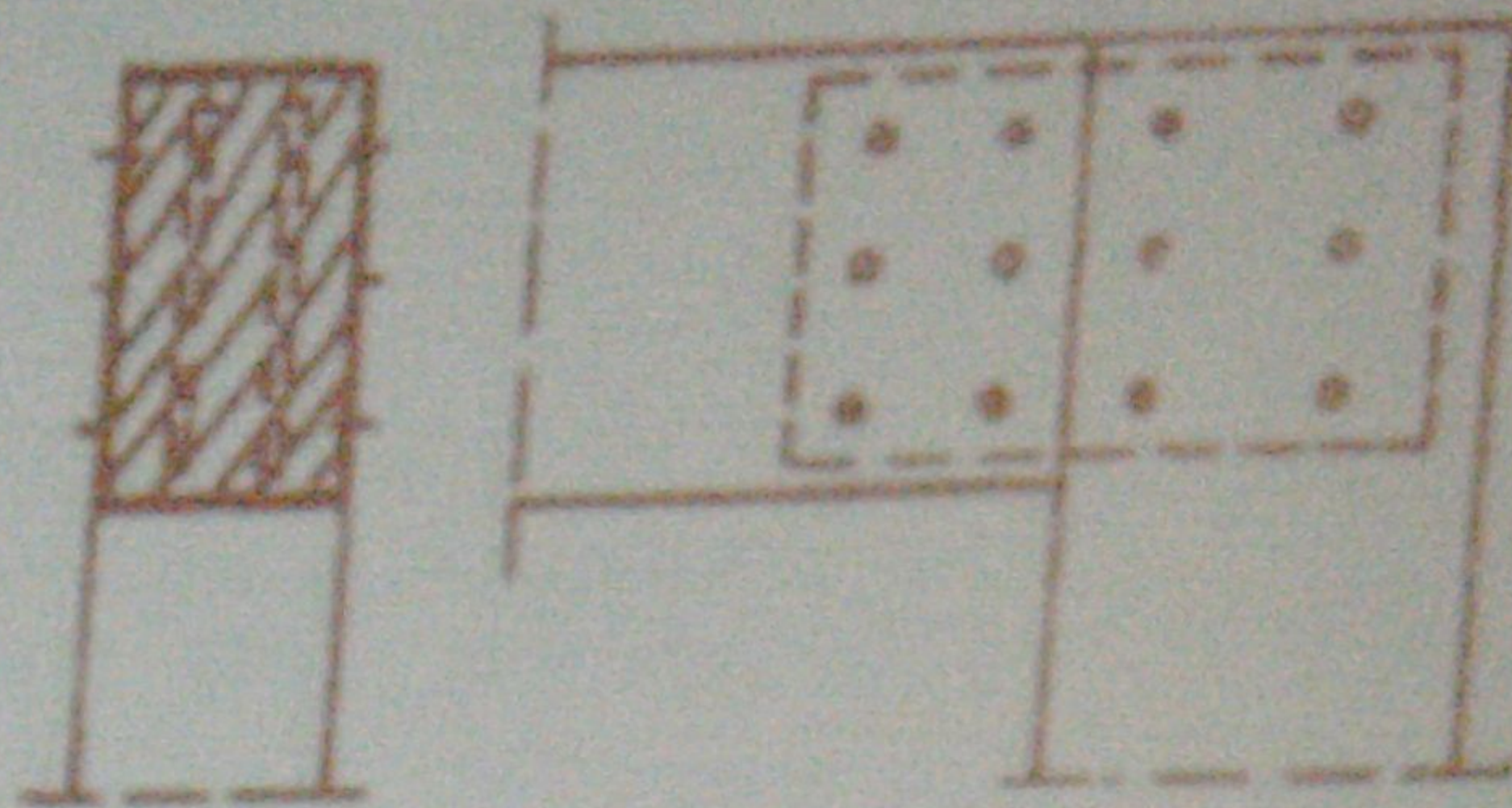
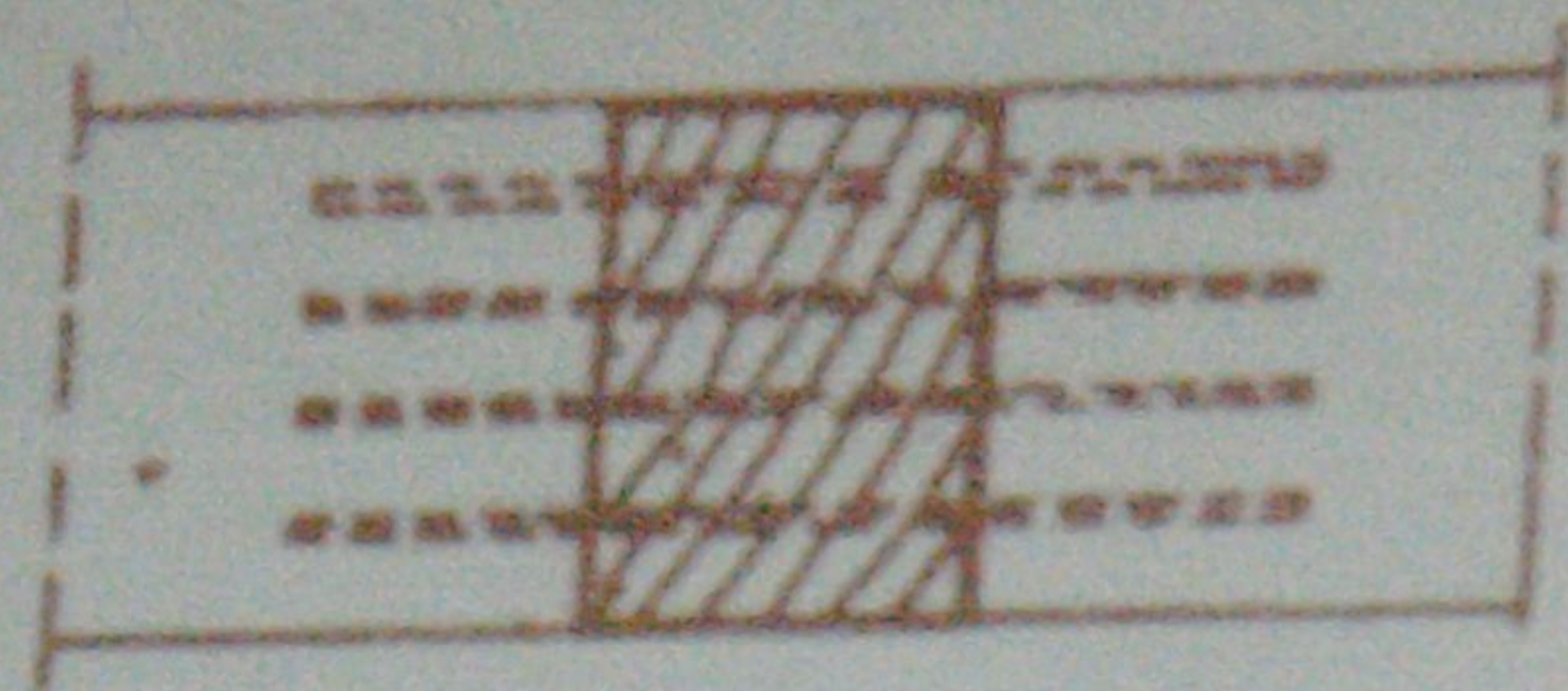
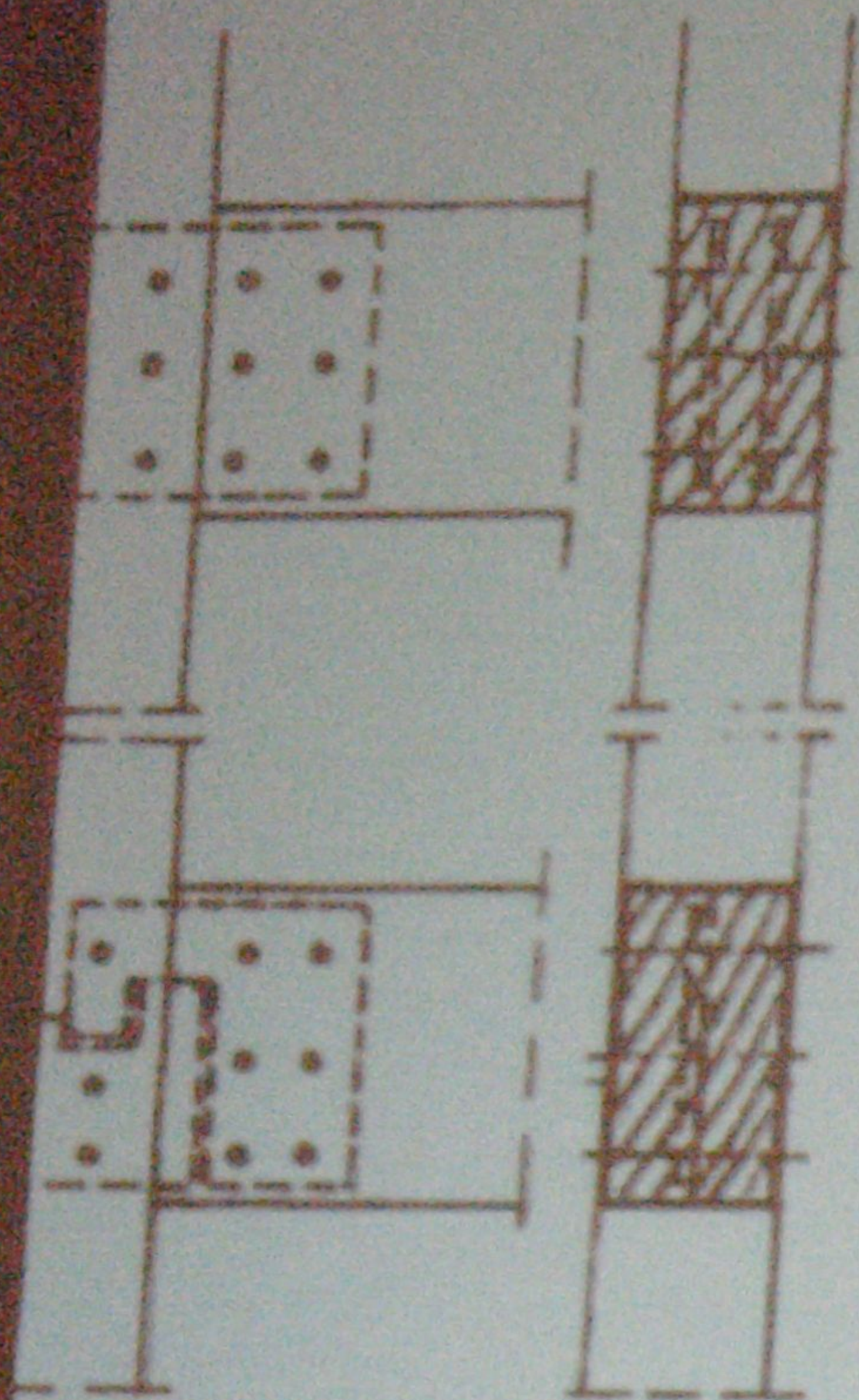


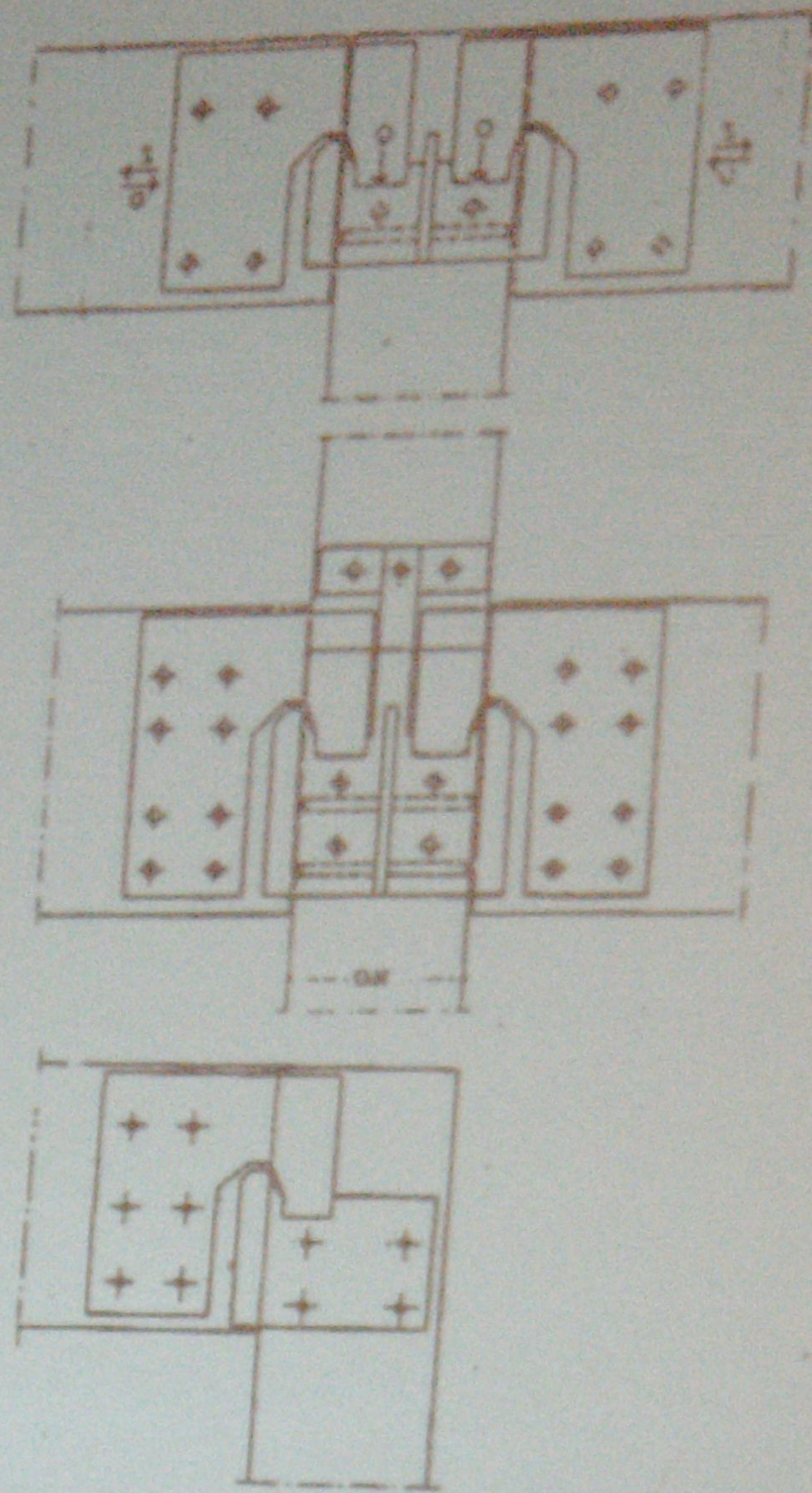
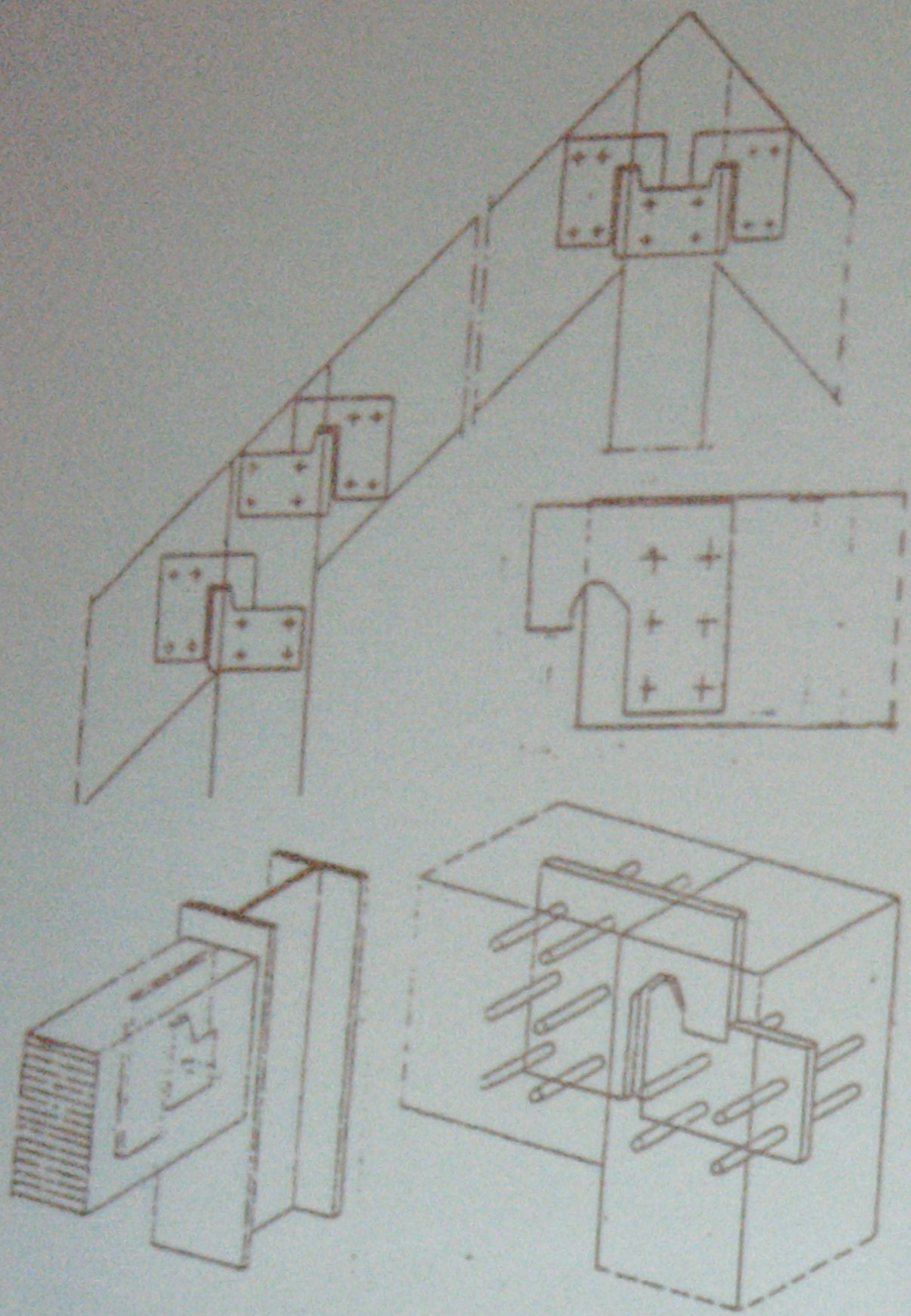


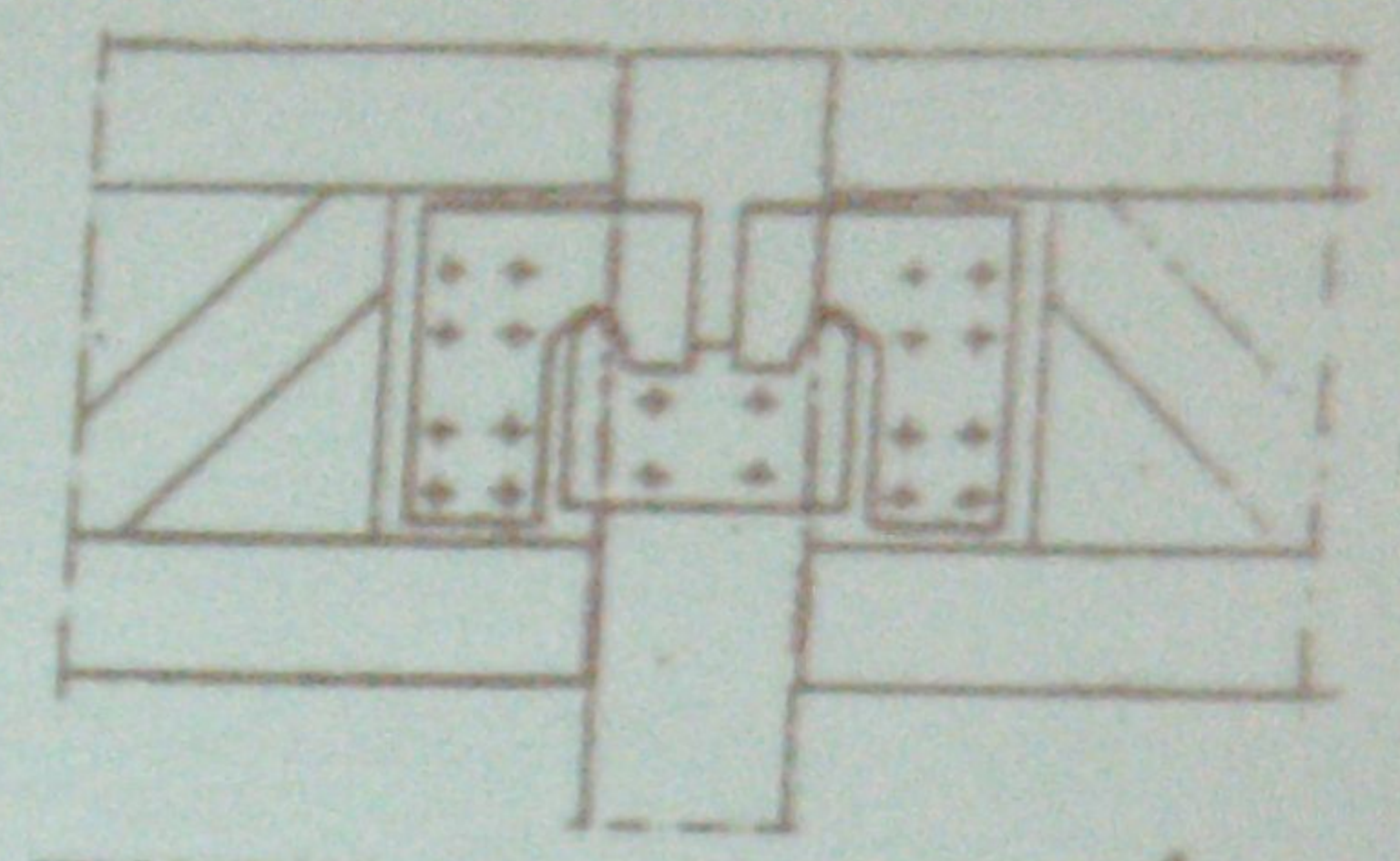
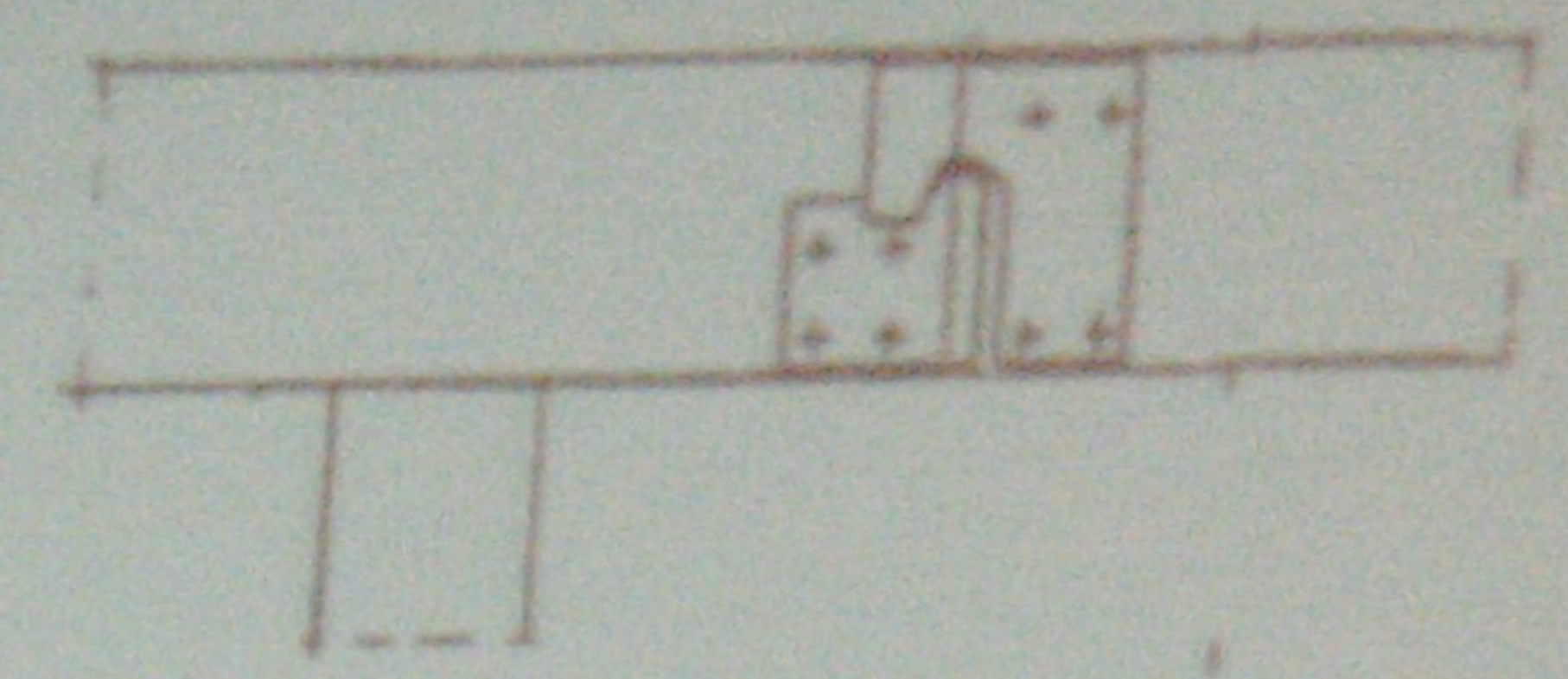
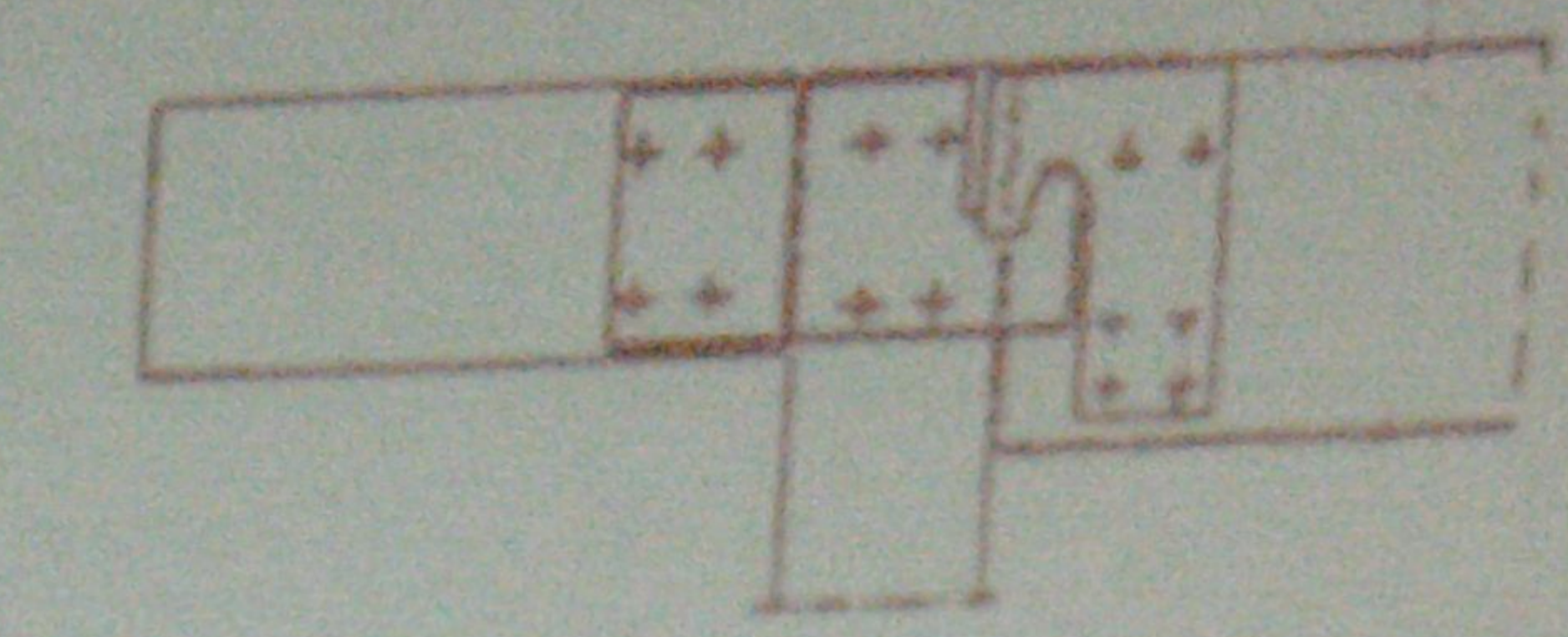
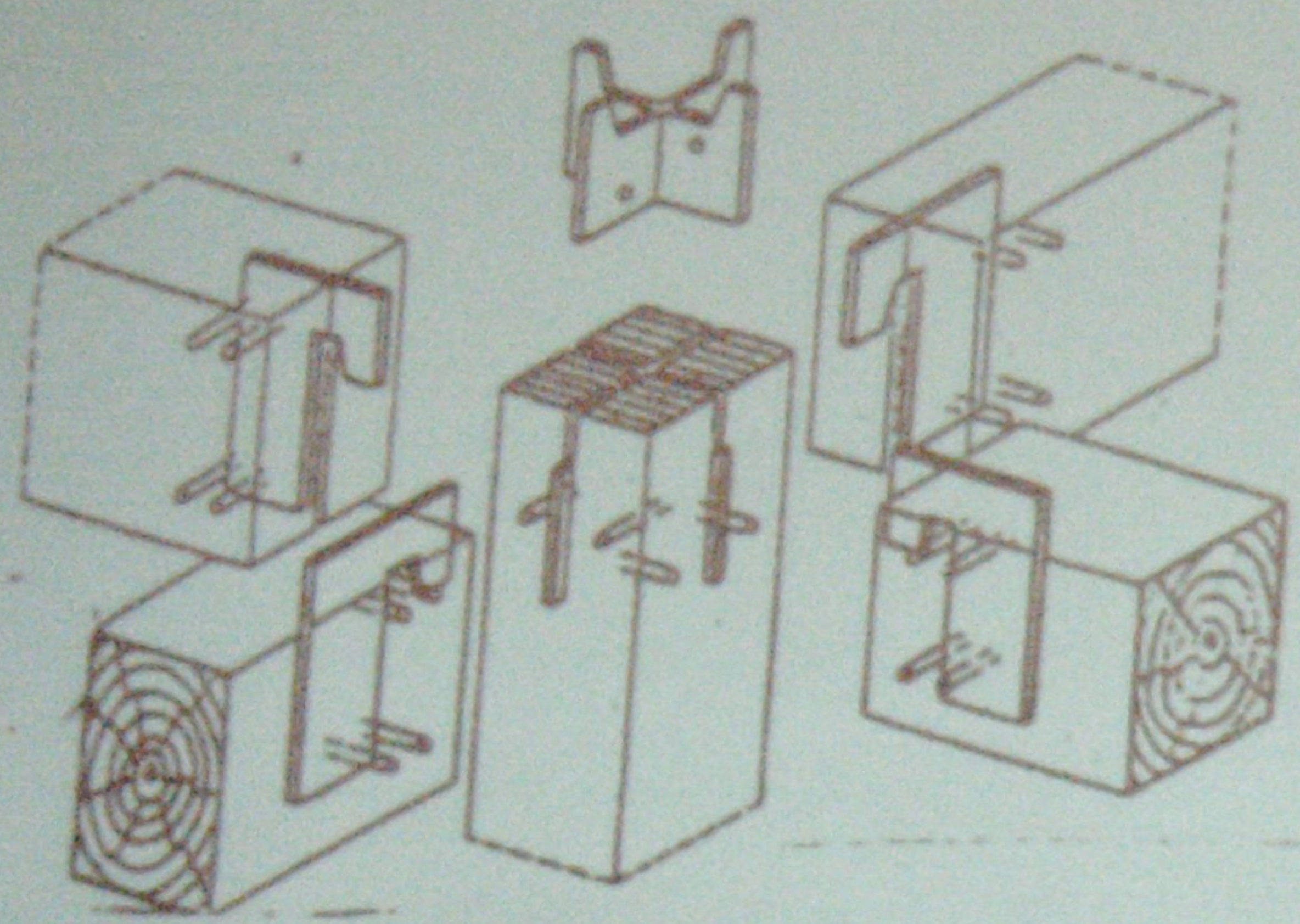
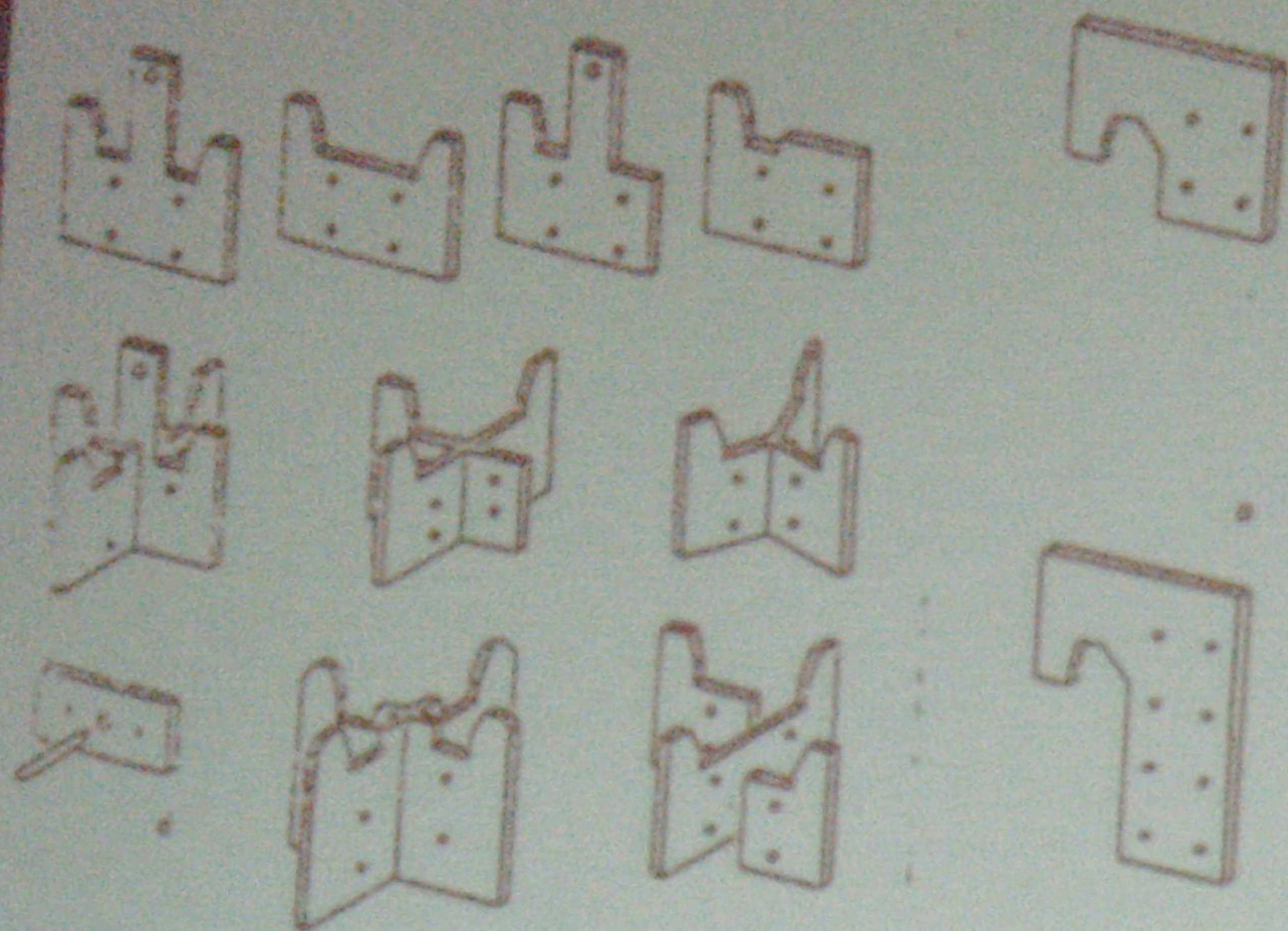




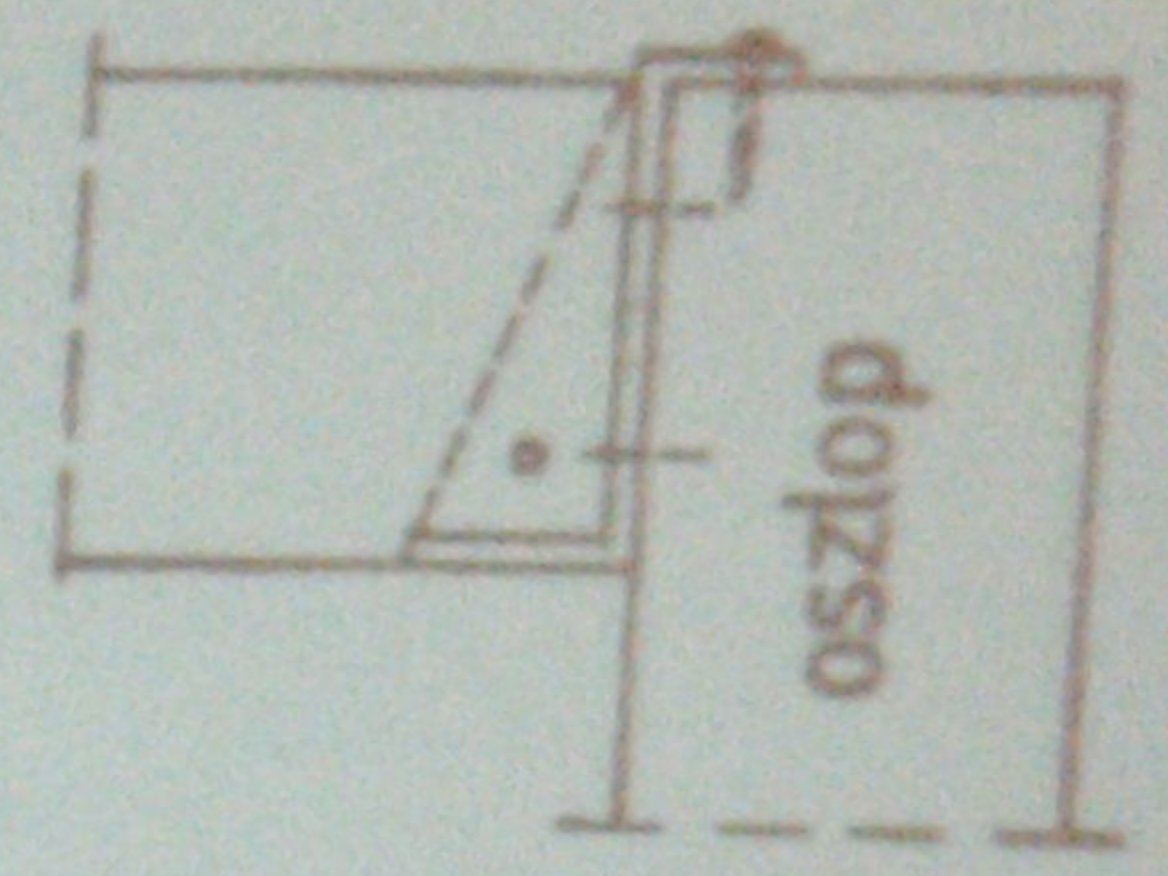
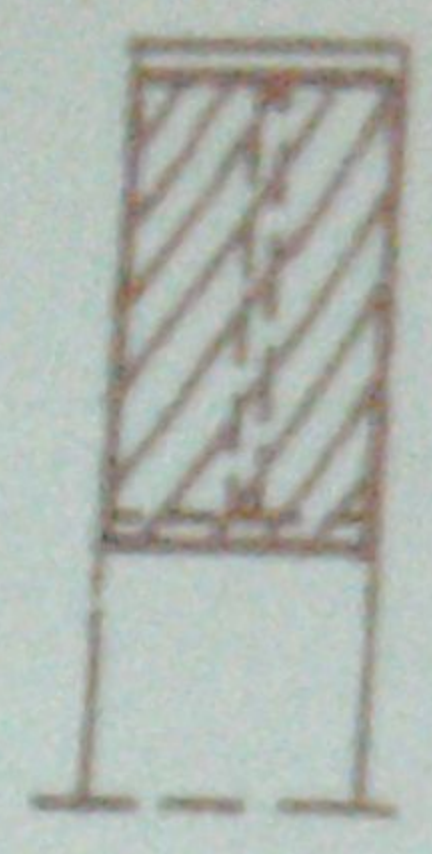
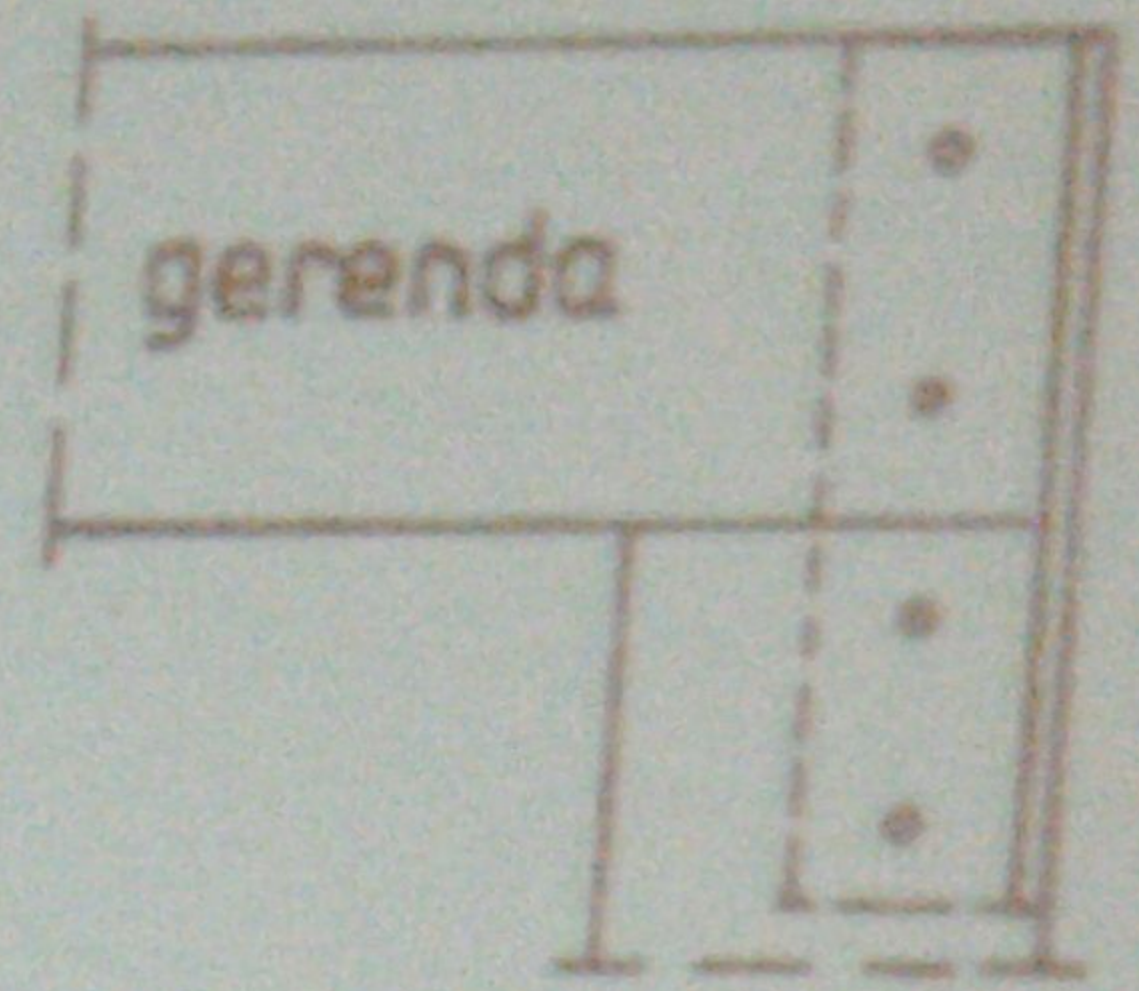
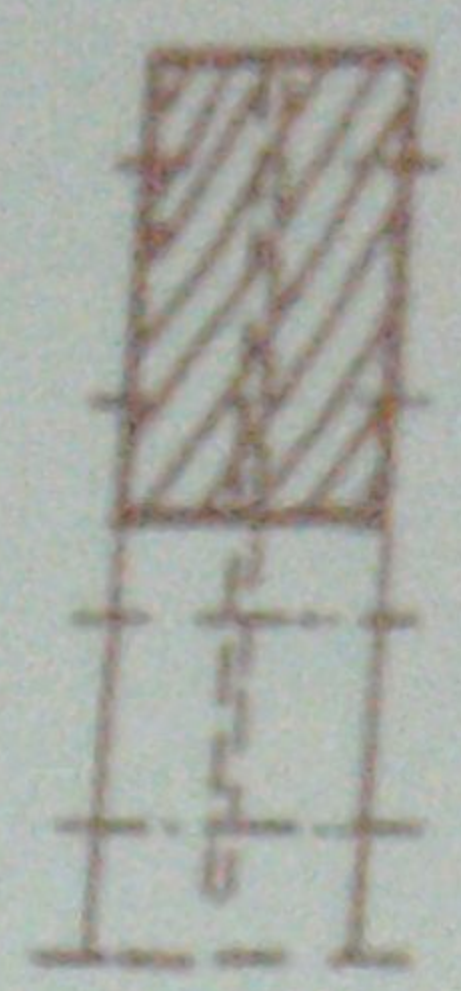
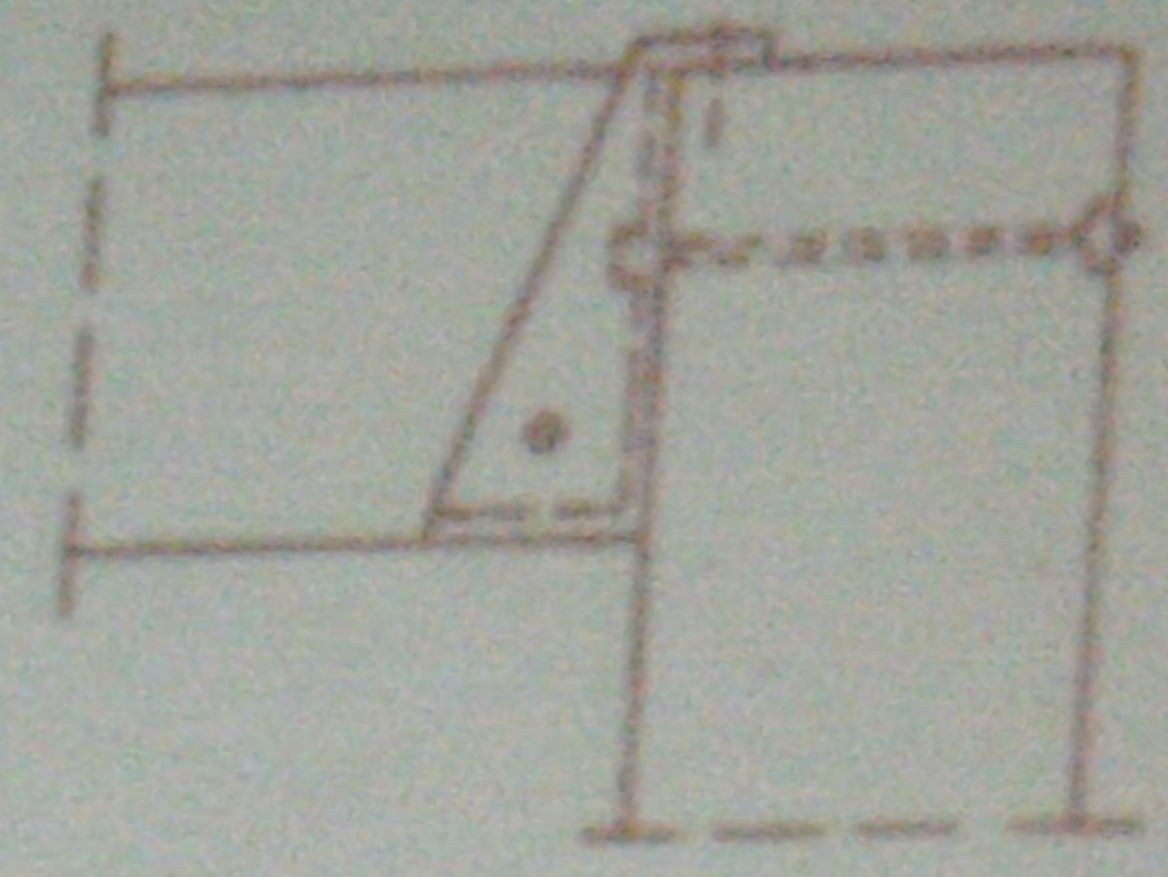
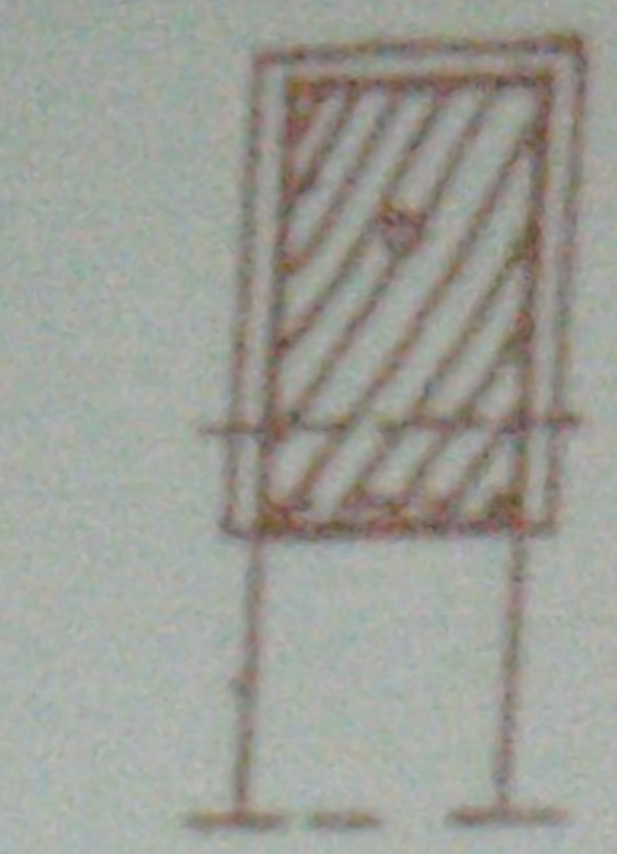
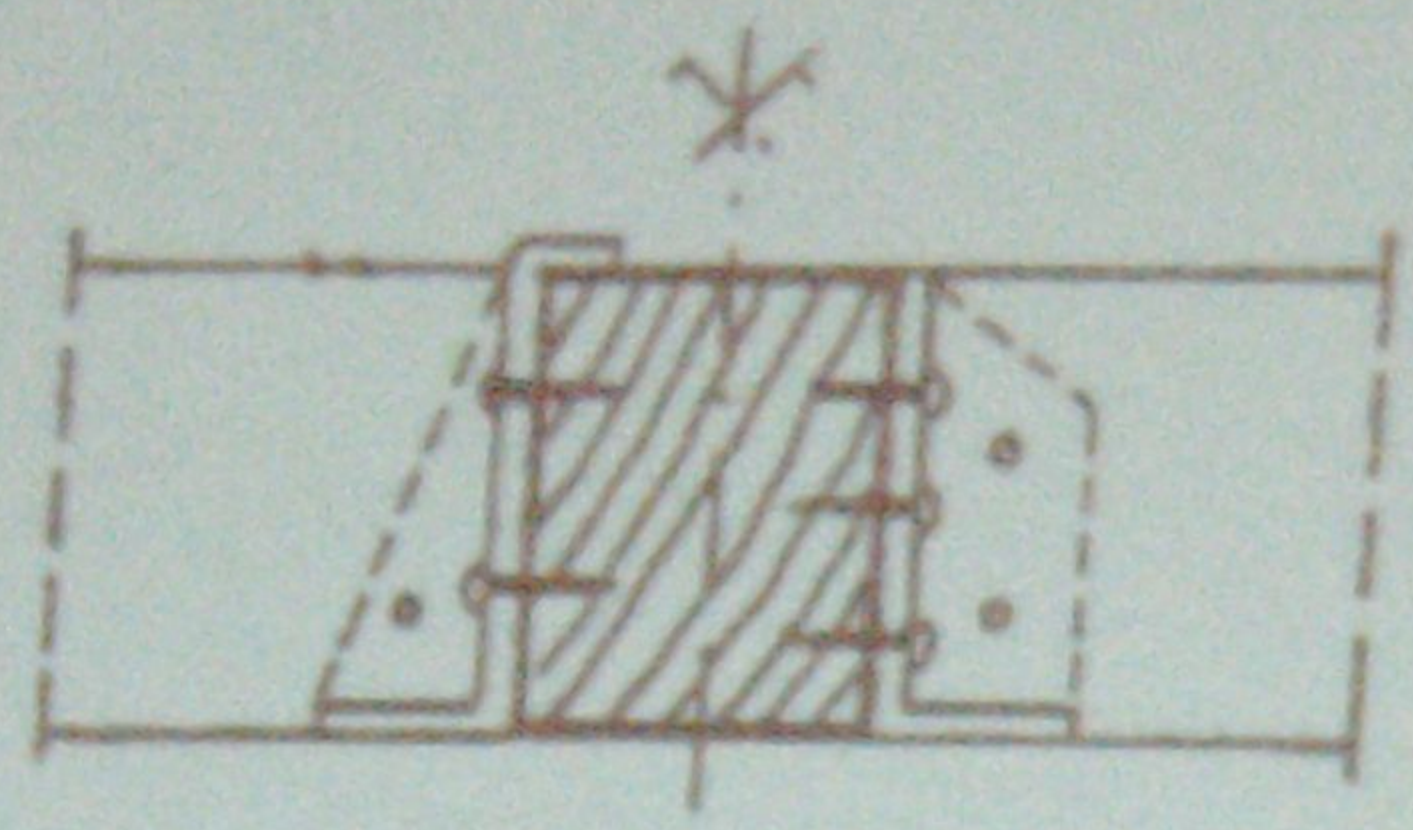
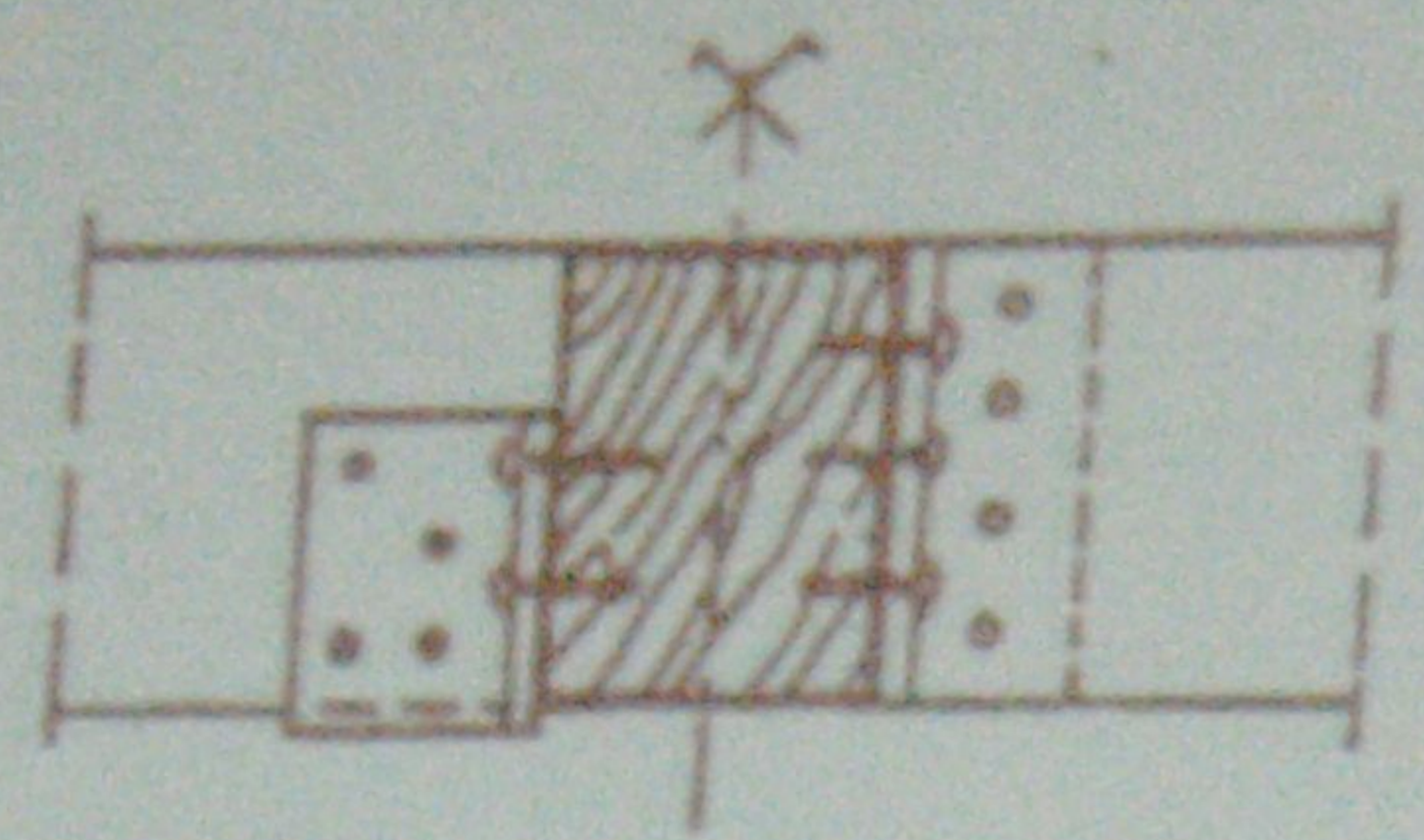
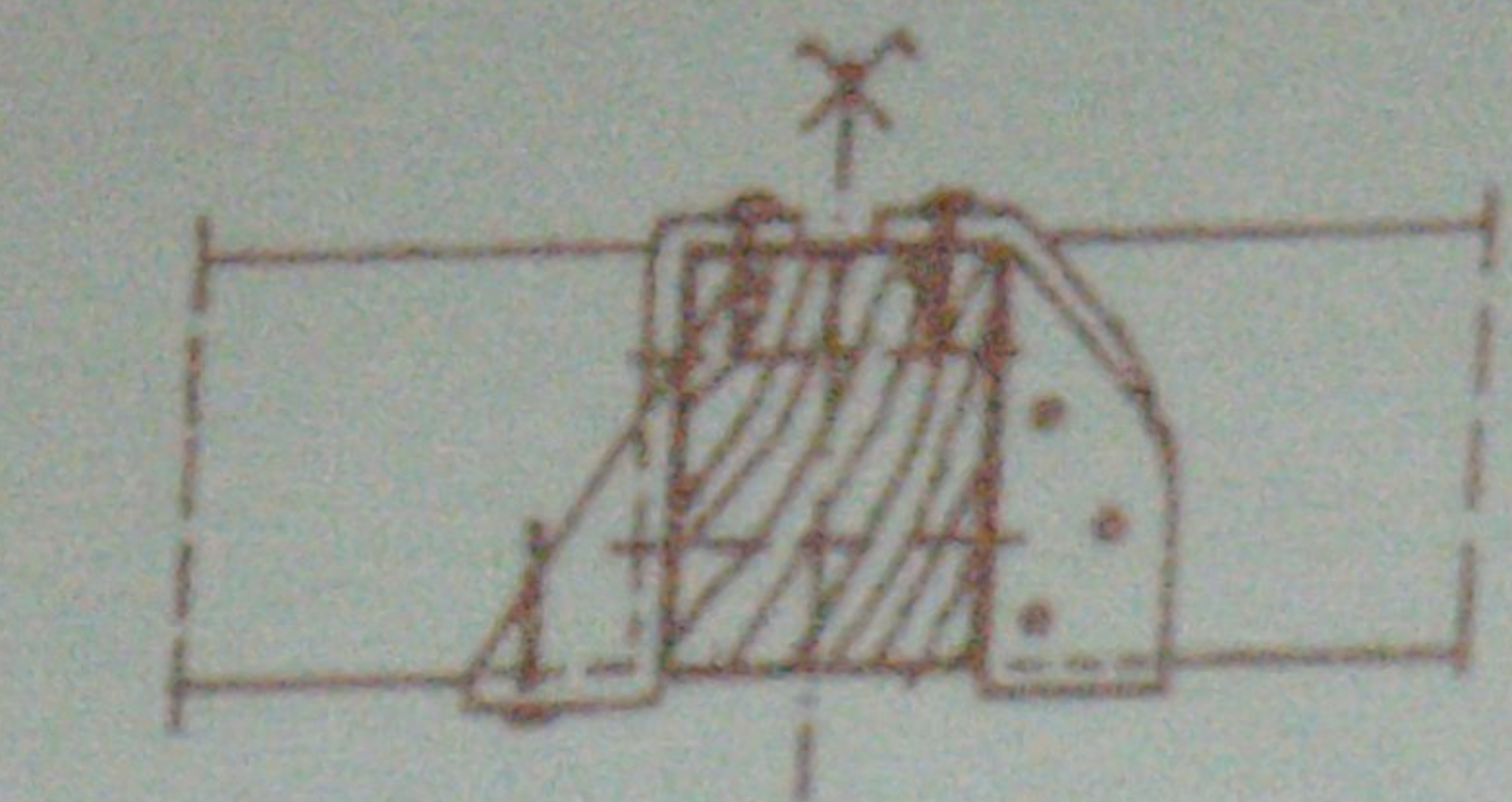
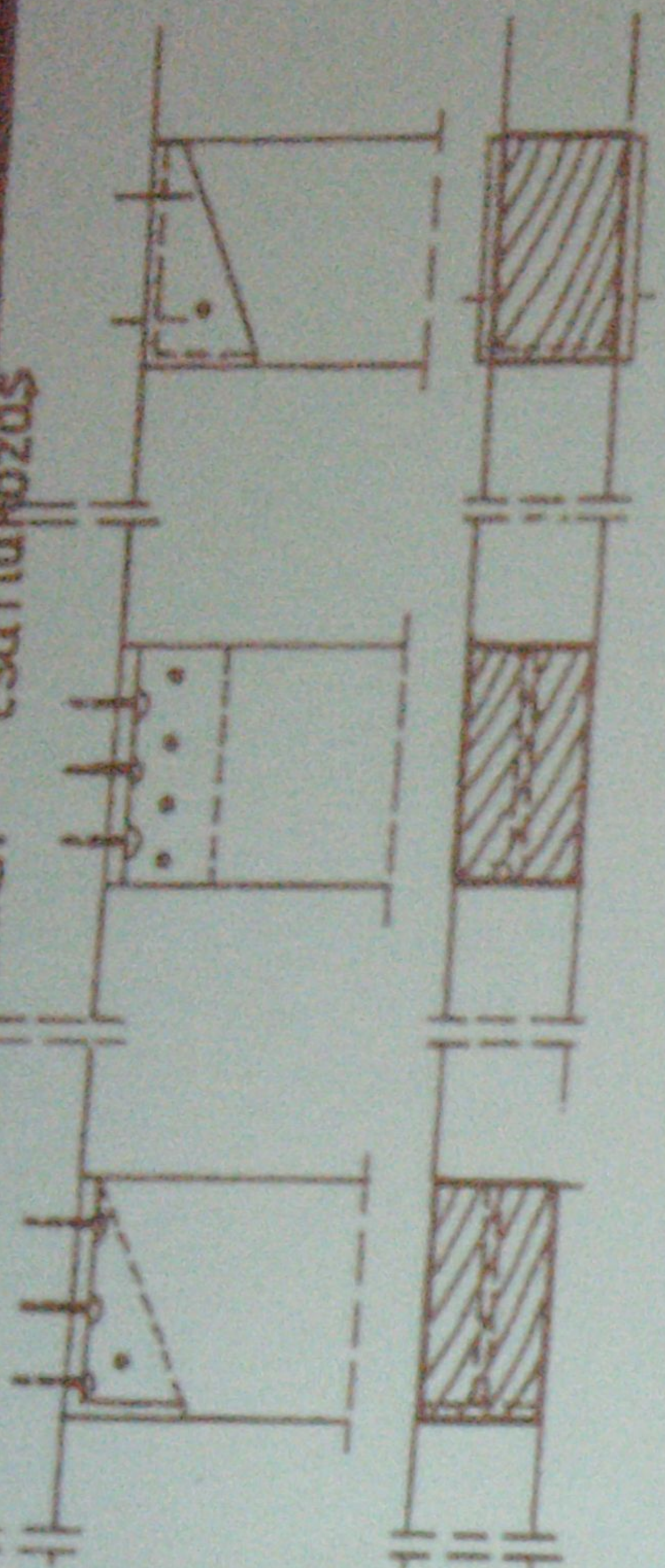
derekselemen
farokgerenda
fetőgerinc





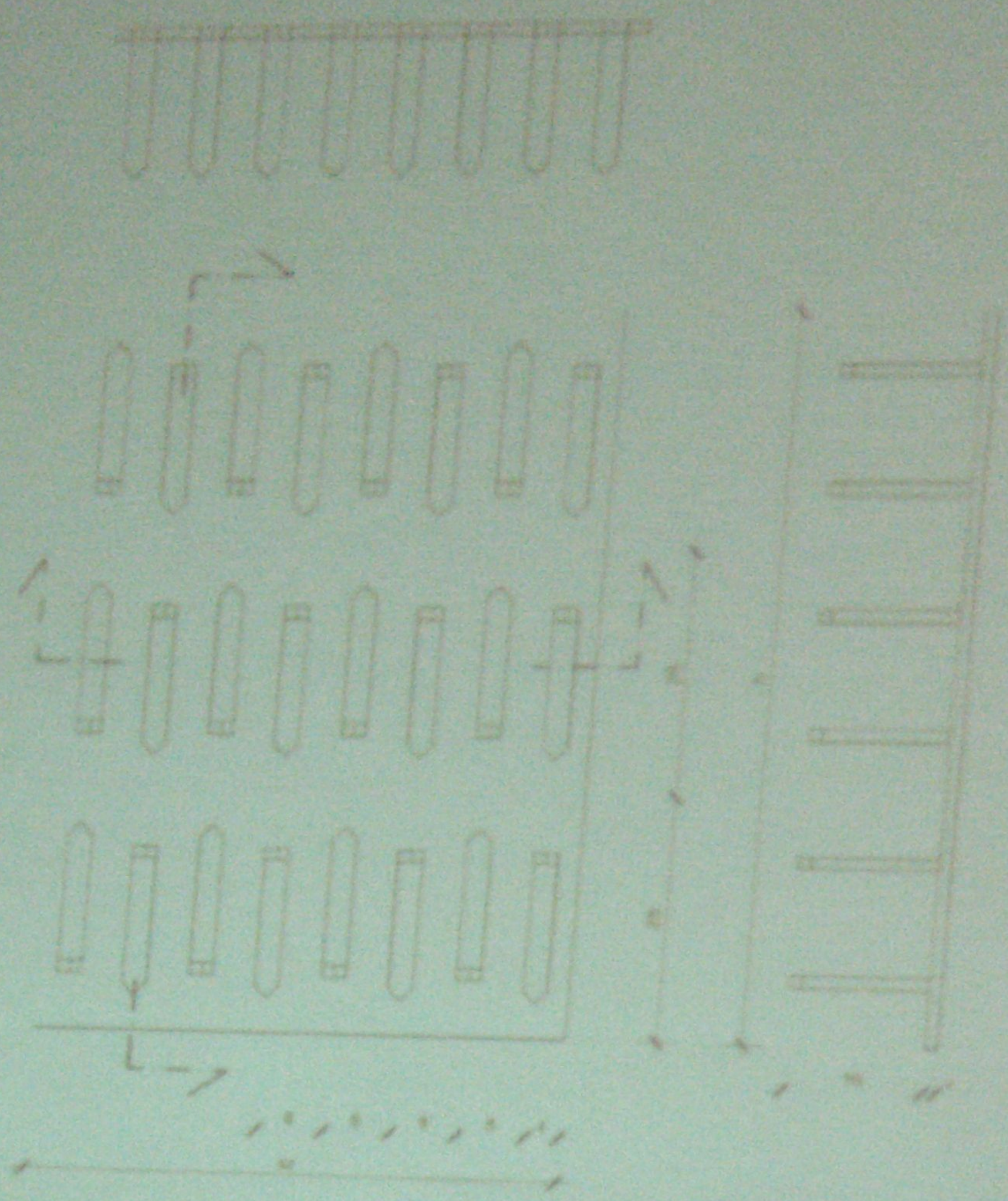


doszlop - szelimen csatlakozás

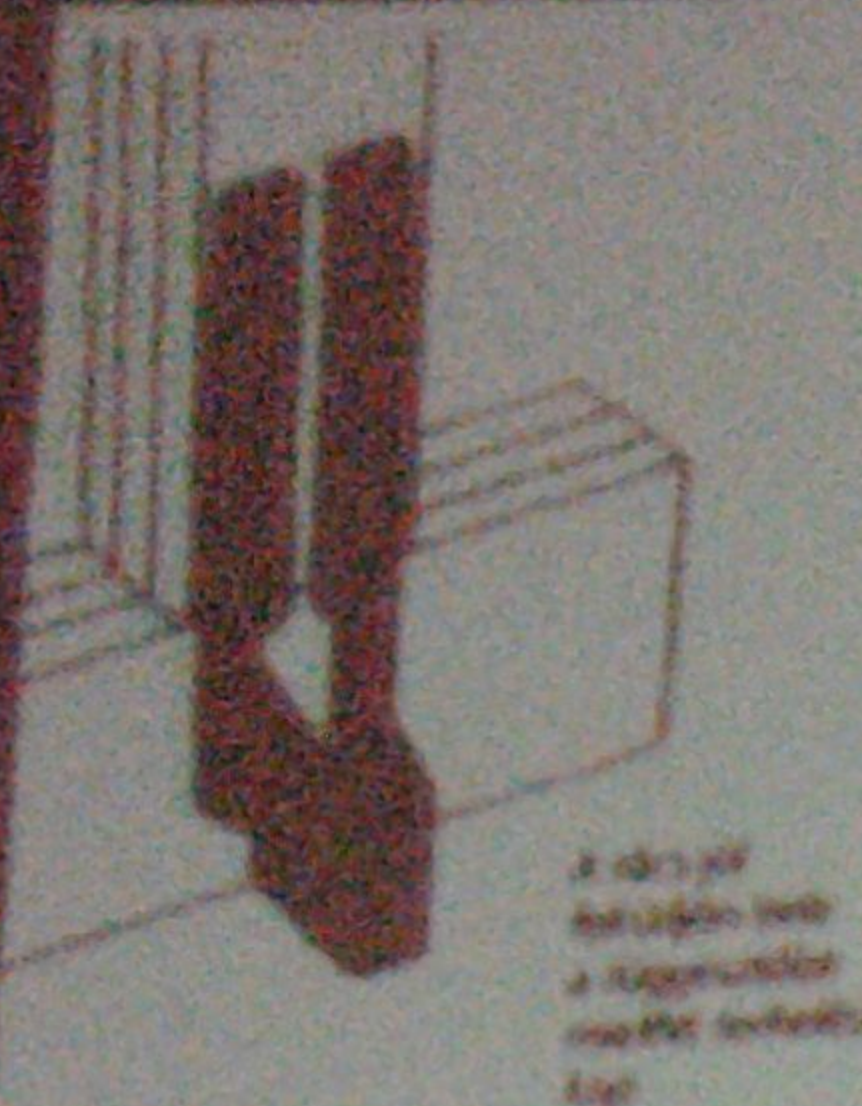




A szeglemezt a fiba hidraulikus pressel lehet bepreselni.  
Az IGM 10 jeli szeglemez 1.0 mm vastag, különböző szélességi és hosszúsági. A szeglek rövidek és csavartak. A szeglemez kalapáccsal is a fiba üthető. Alkalmazása helyszíni munkáknál jelentős.  
Az IGM szeglemezek rajzát az 1. abra és az 1. foto mutatja.



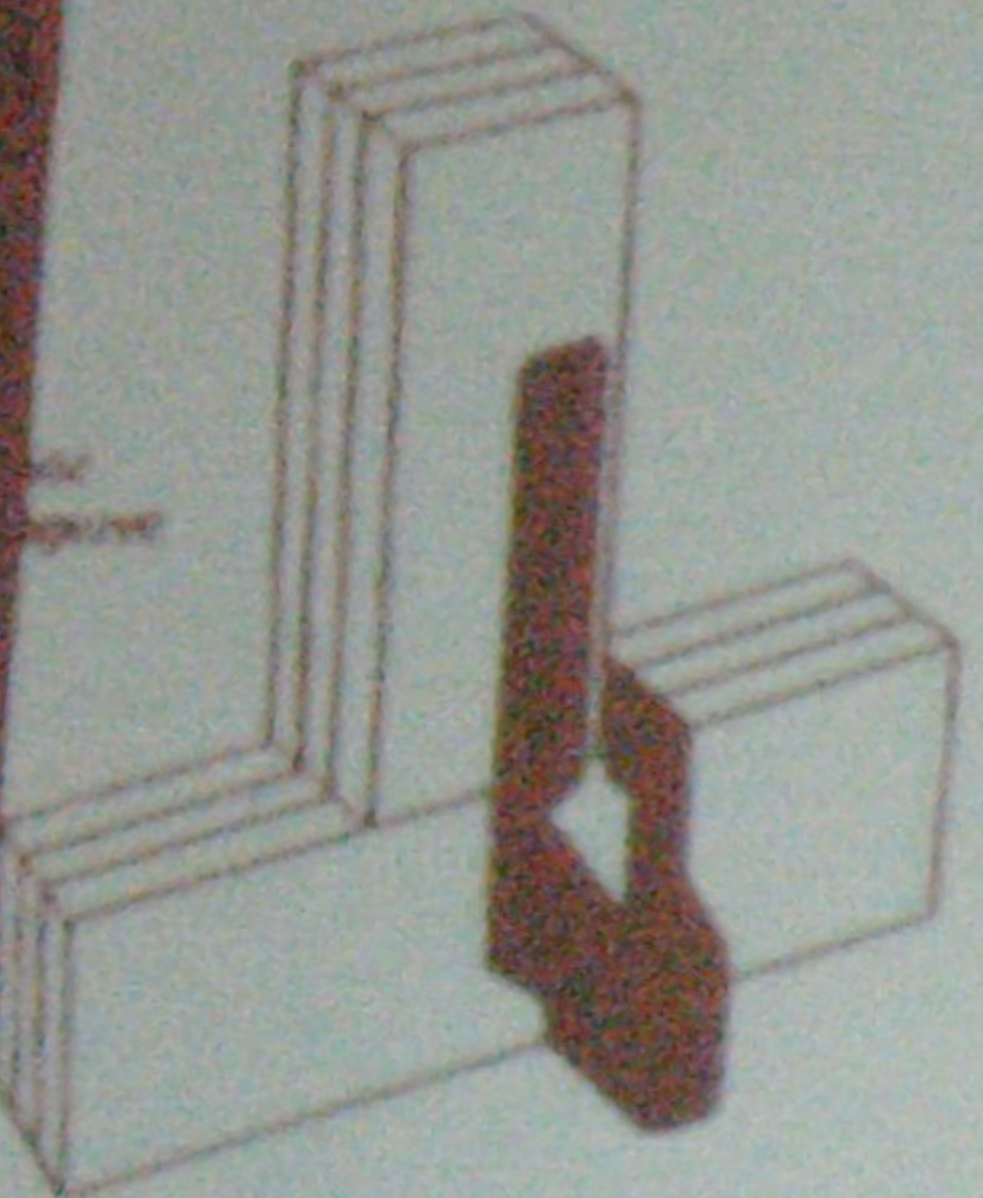
1. abra IGM szeglemezek



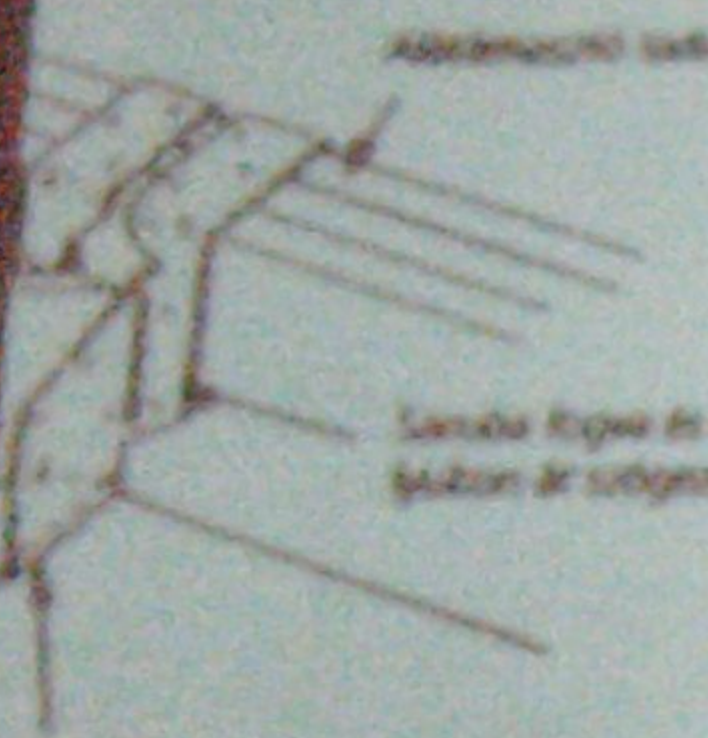
A sűrű, jól  
elcsúszó tömítést  
a szegszőlemez  
mellé kell helyezni  
előtt



Az új szegszőlemez  
előre kell  
helyezni, majd  
1-20 mm-  
es rést kell  
hagyni



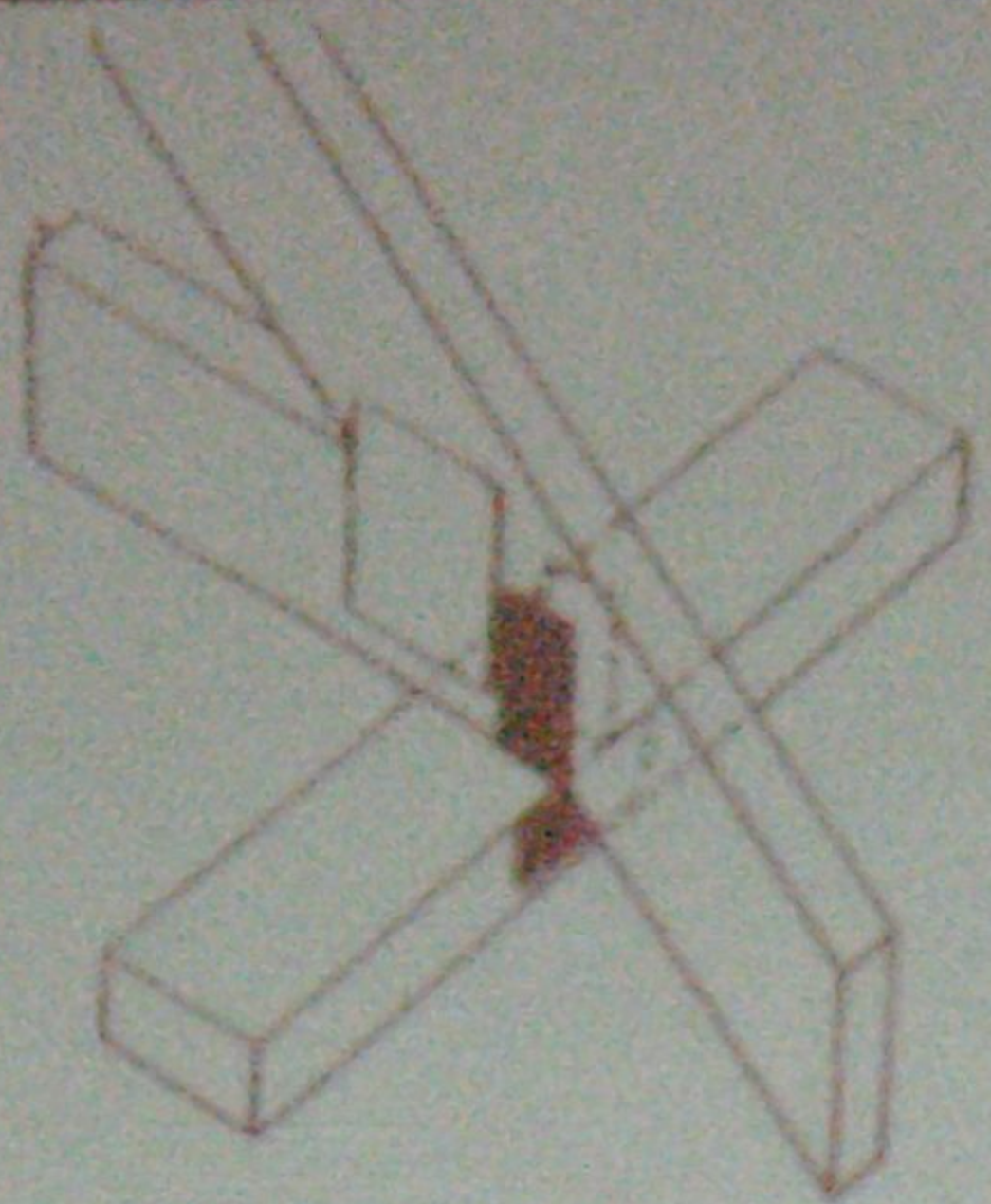
Az új  
szegszőlemez



Az új szegszőlemez

Az új szegszőlemez

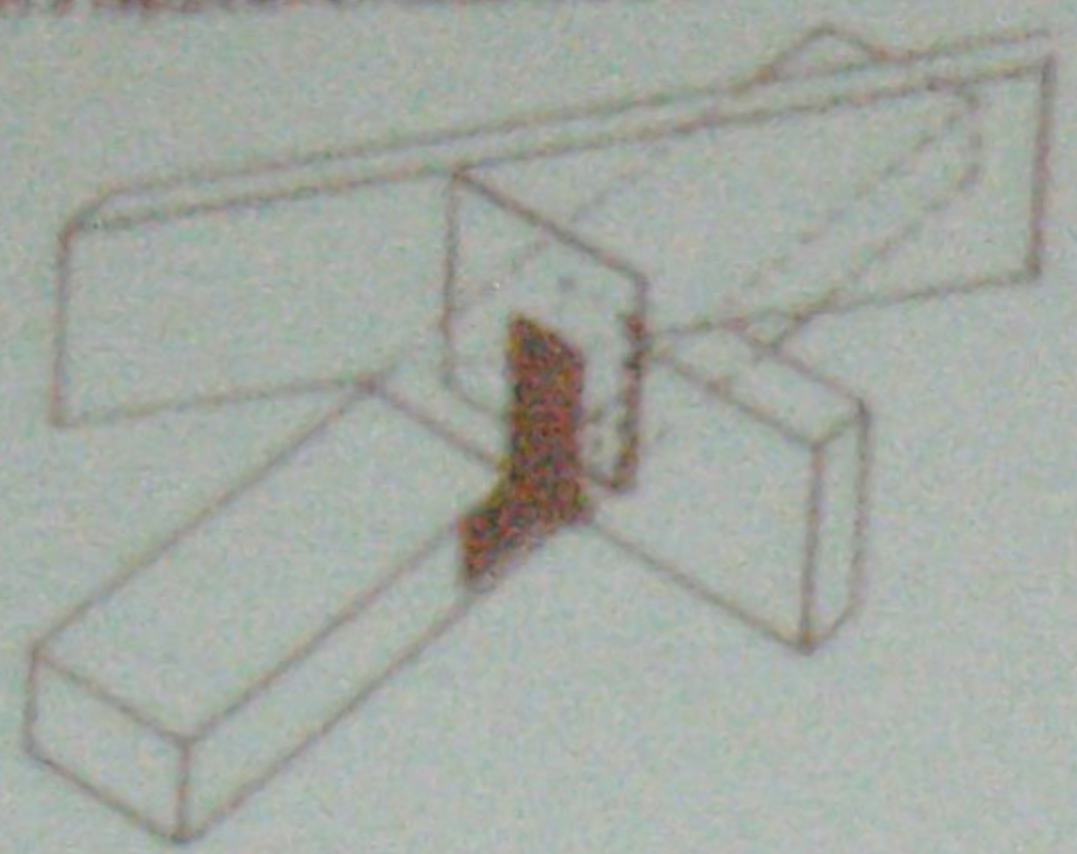
A szegszőlemez



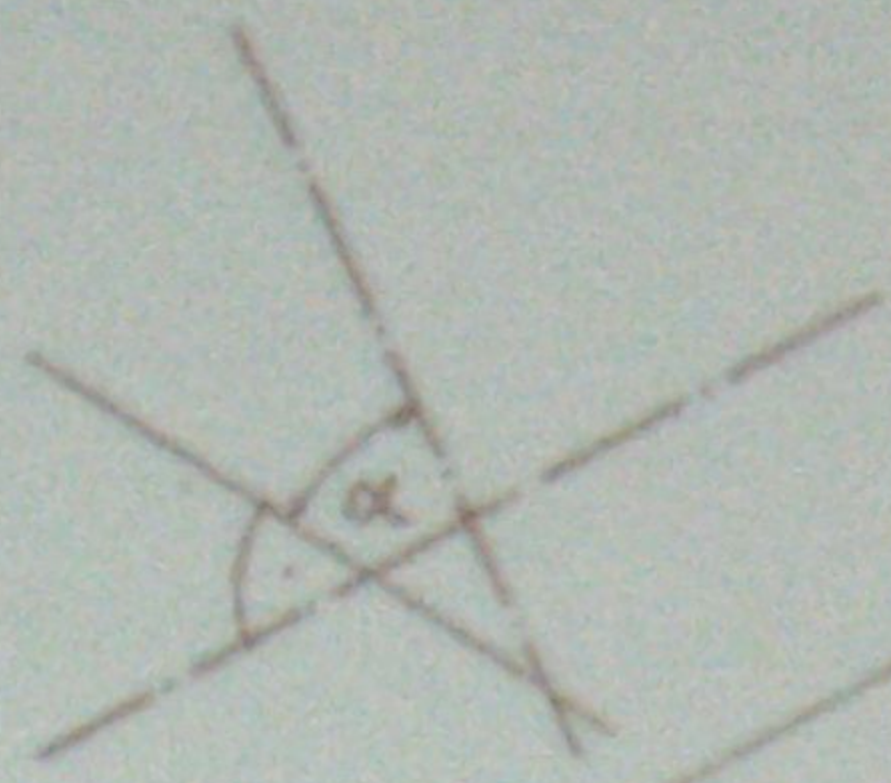
kapcsoló elem

l = 170 mm  
210 mm  
250 mm  
290 mm  
v = 2-3 mm

Rögzítés a falpárkellenes felület felállításán



$l_1 = l_2$   
kiterő tengelyek

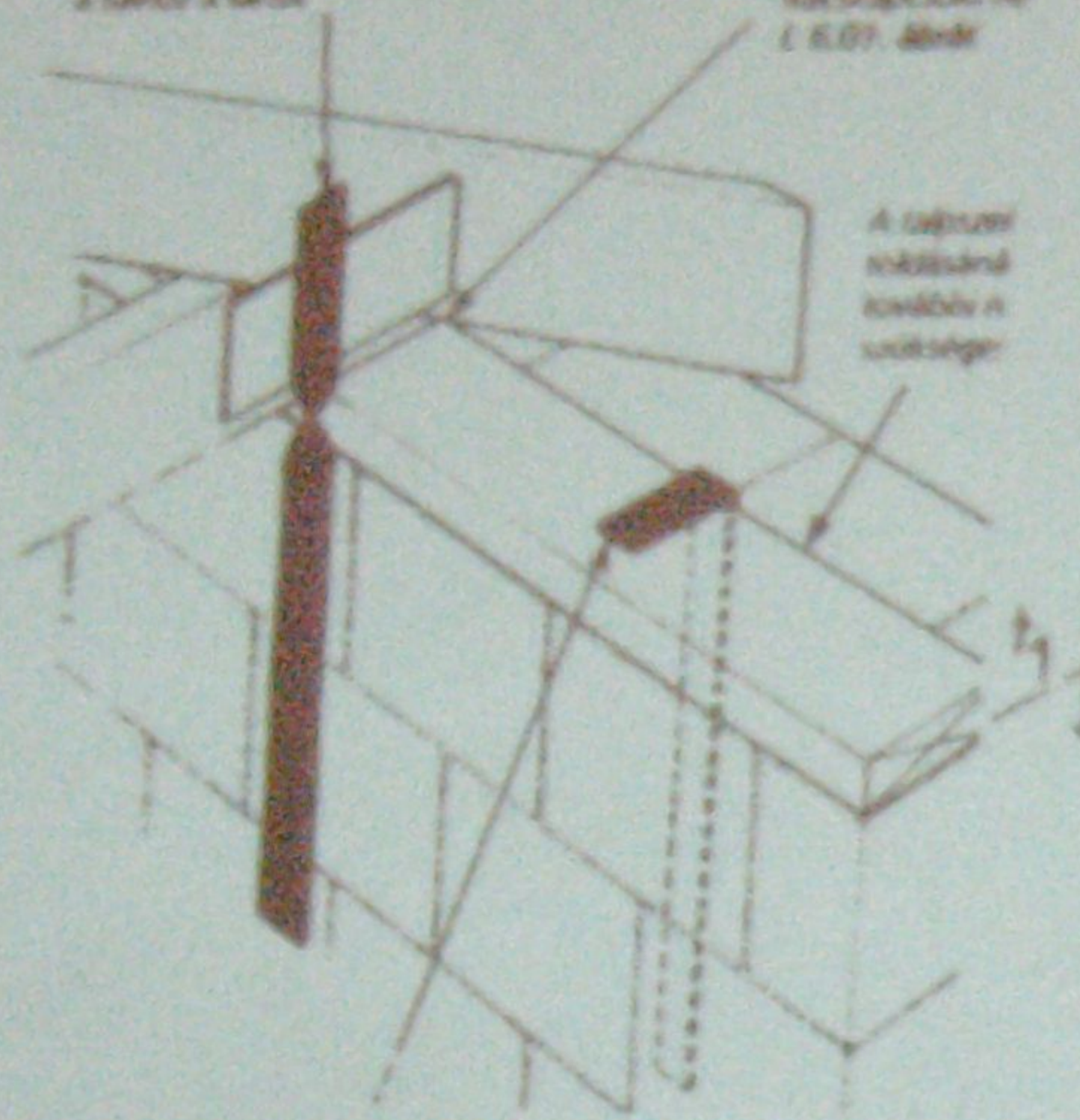


RÖGZÍTÉS SZÉLALAFUVÁS ELLEN

A rögzítési pontok elcsúszását ellen

Az új szegszőlemez

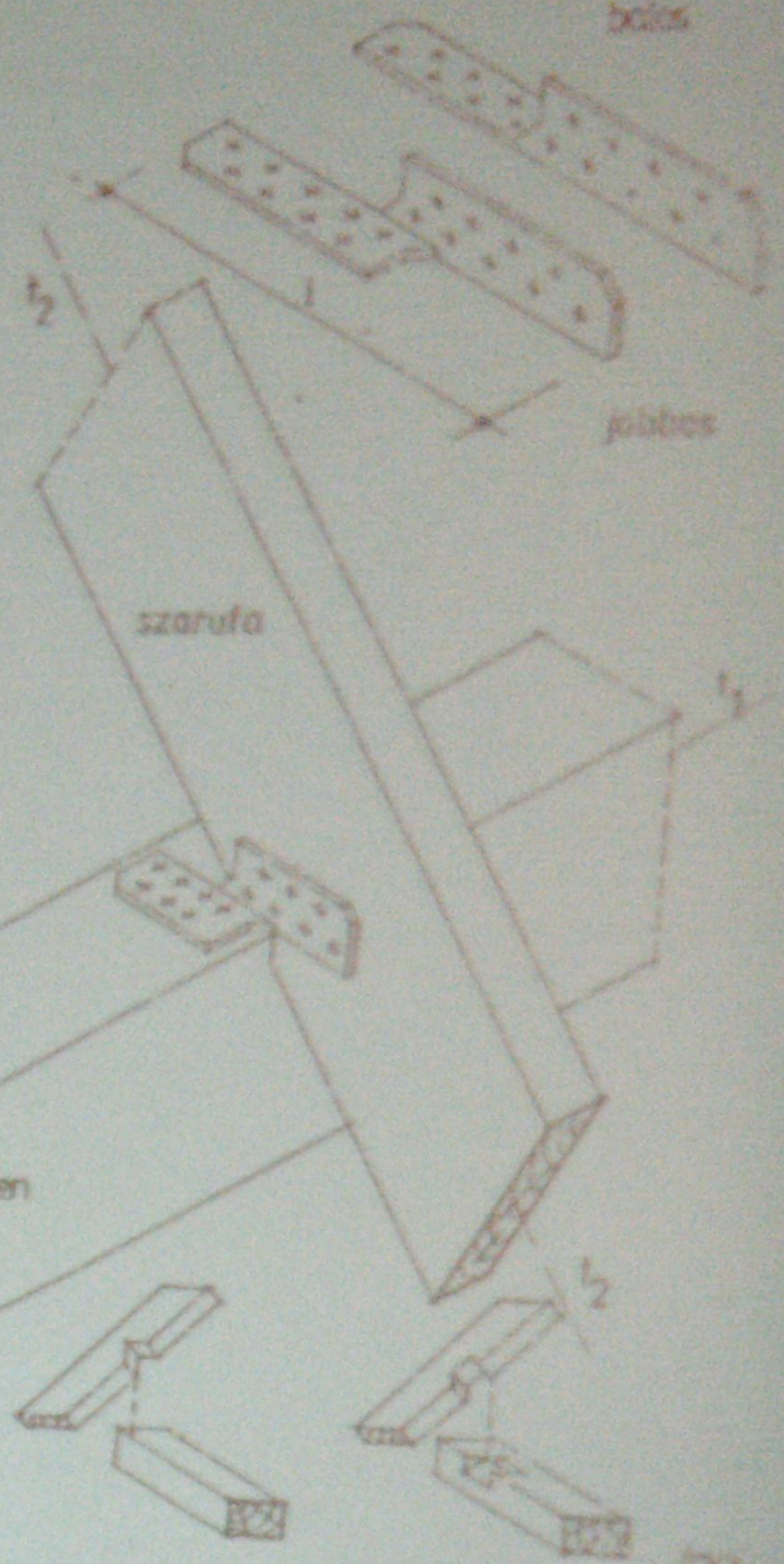
A szegszőlemez



szegszőlemez típus

balra

jobbra

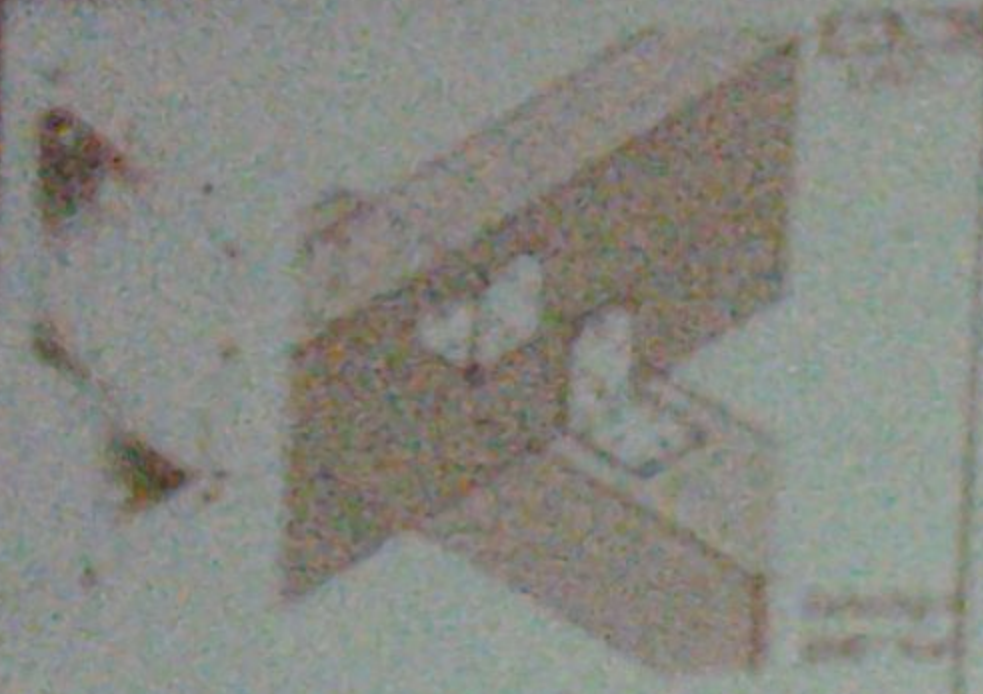


szarufa

szelemez

2

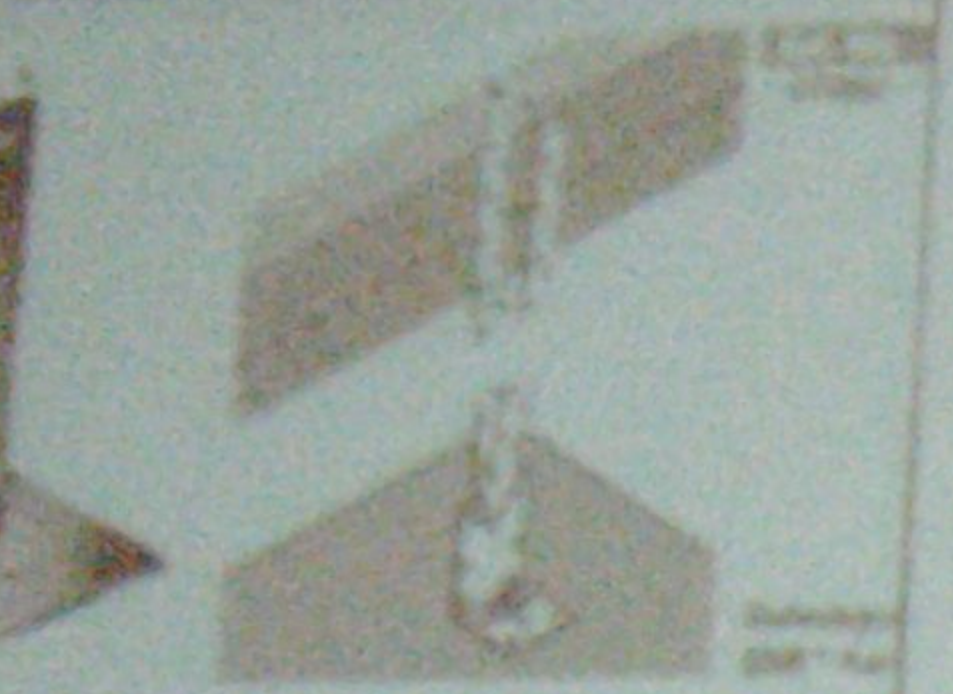
Winkelverbinder 70 ohne Rippe



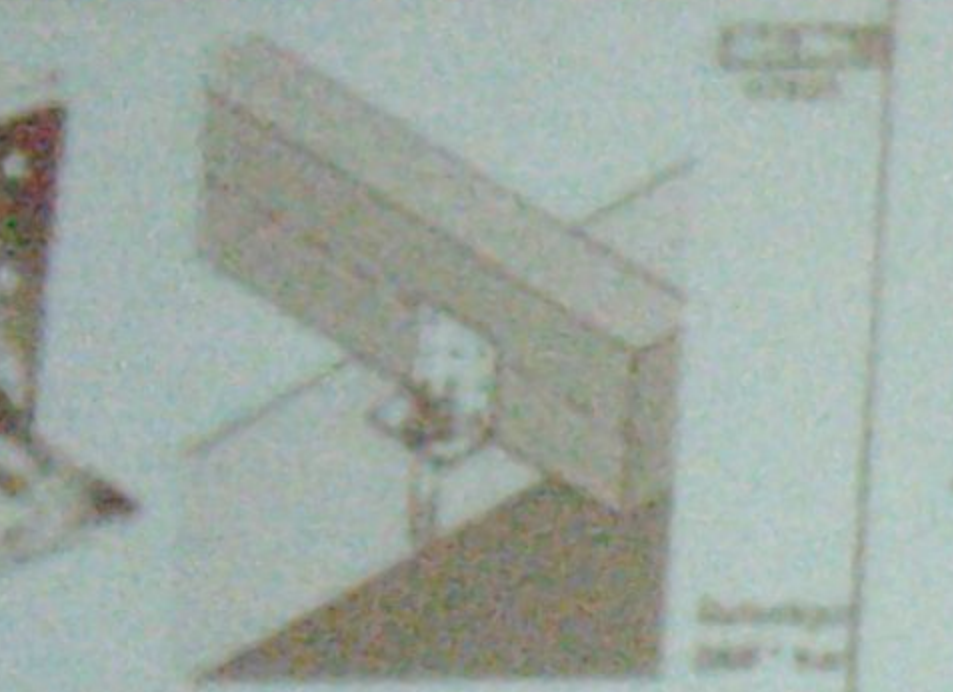
Winkelverbinder 6090 - 6191



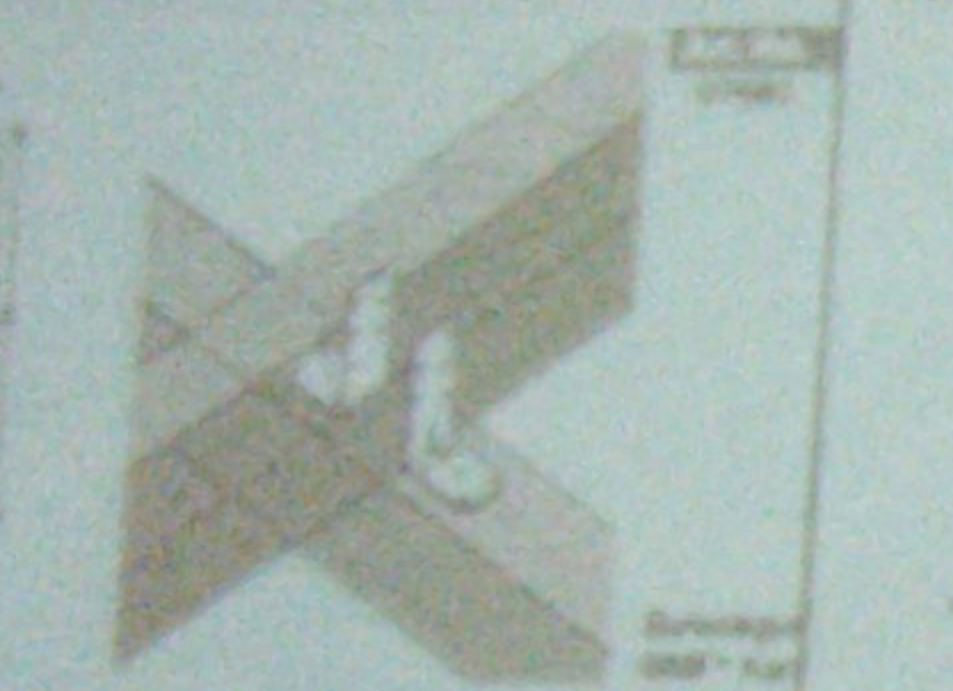
Winkelverbinder 6292



Winkelverbinder 6035



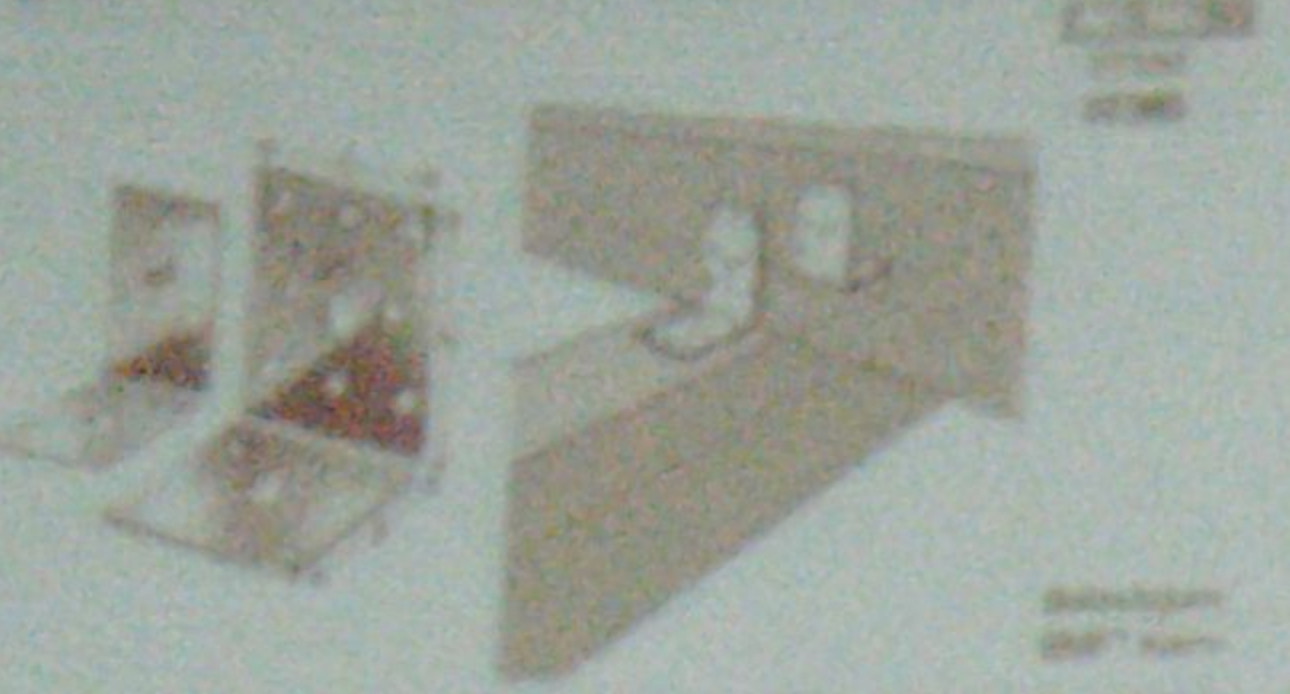
Winkelverbinder 60280



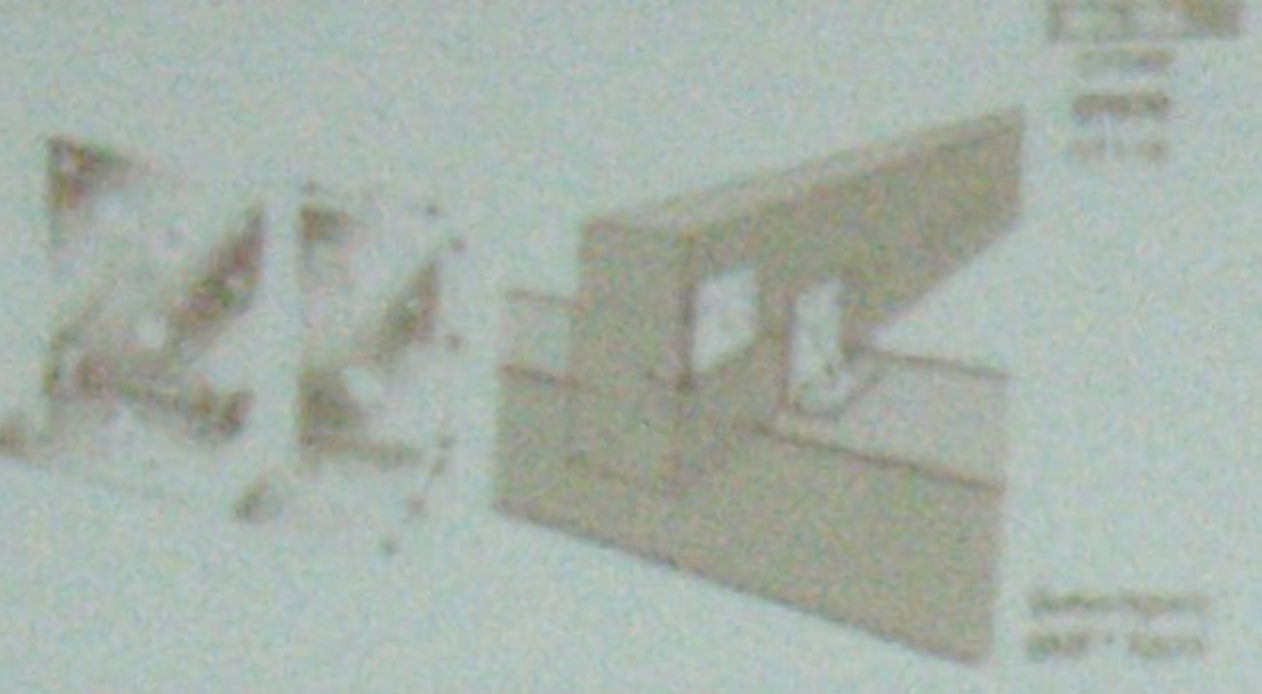
BMF® Winkelverbinder 40390



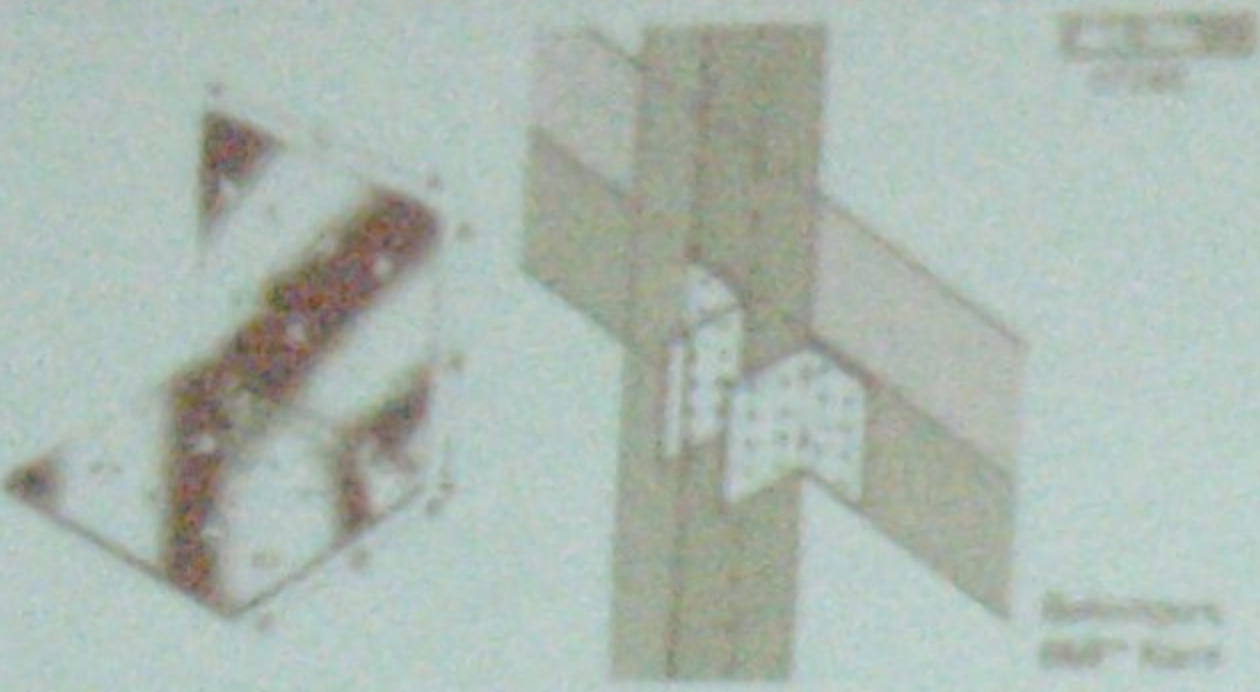
BMF® Winkelverbinder 35350 - 55365



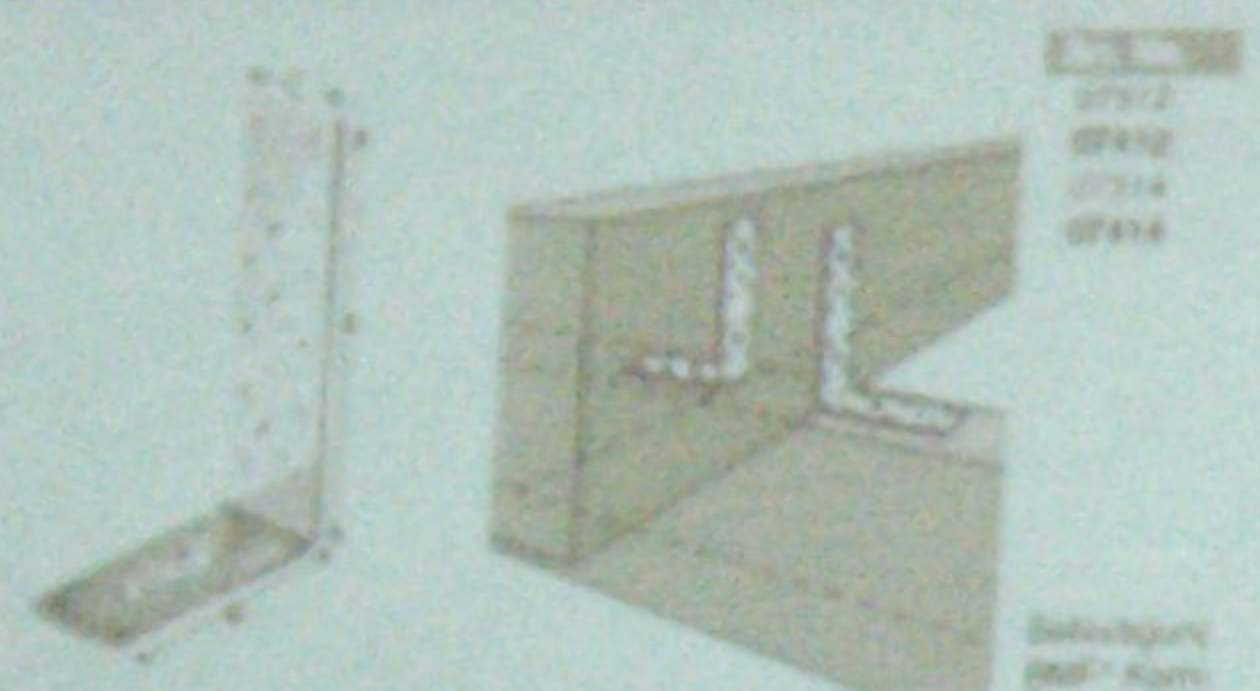
BMF® Winkelverbinder 90x48x3,0x48



BMF® Winkelverbinder 90265



BMF® Winkelverbinder 40312 - 40412



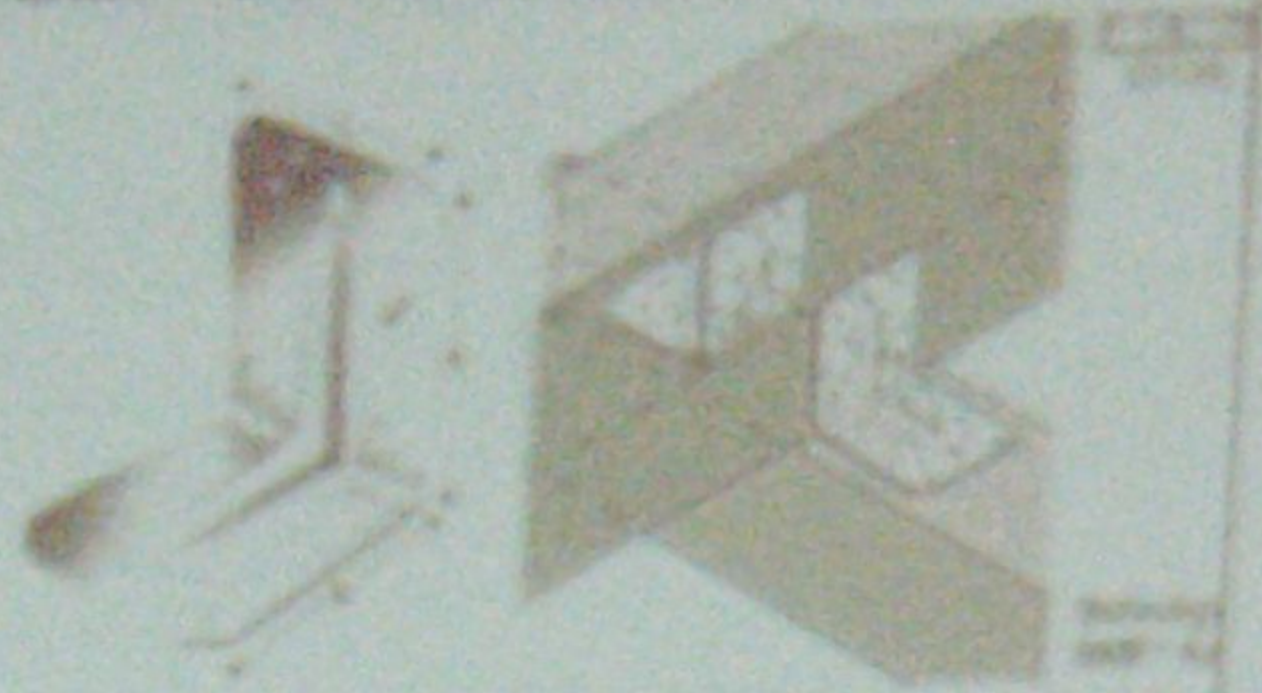
BMF® Winkelverbinder 90 mit Rippe



BMF® Winkelverbinder 90 ohne Rippe



BMF® Winkelverbinder 105 mit Rippe



BMF® Winkelverbinder 105 ohne Rippe



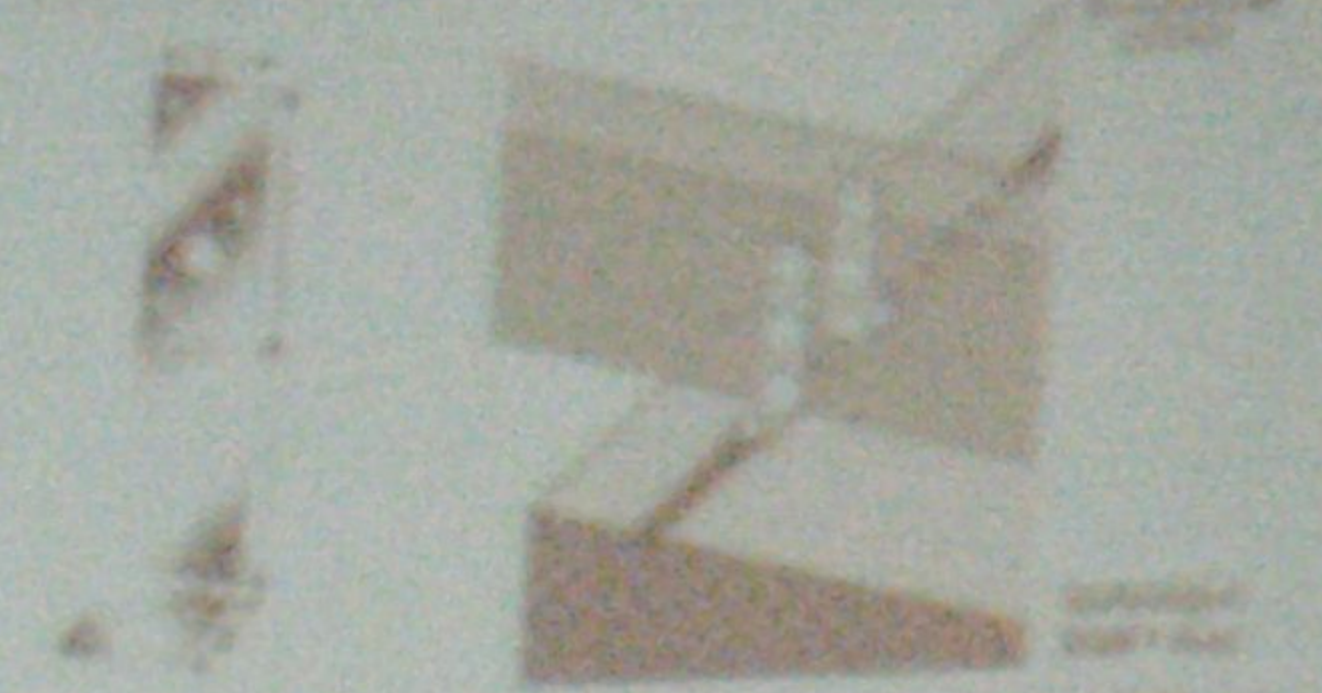
BMF® Winkelverbinder 70 mit Rippe



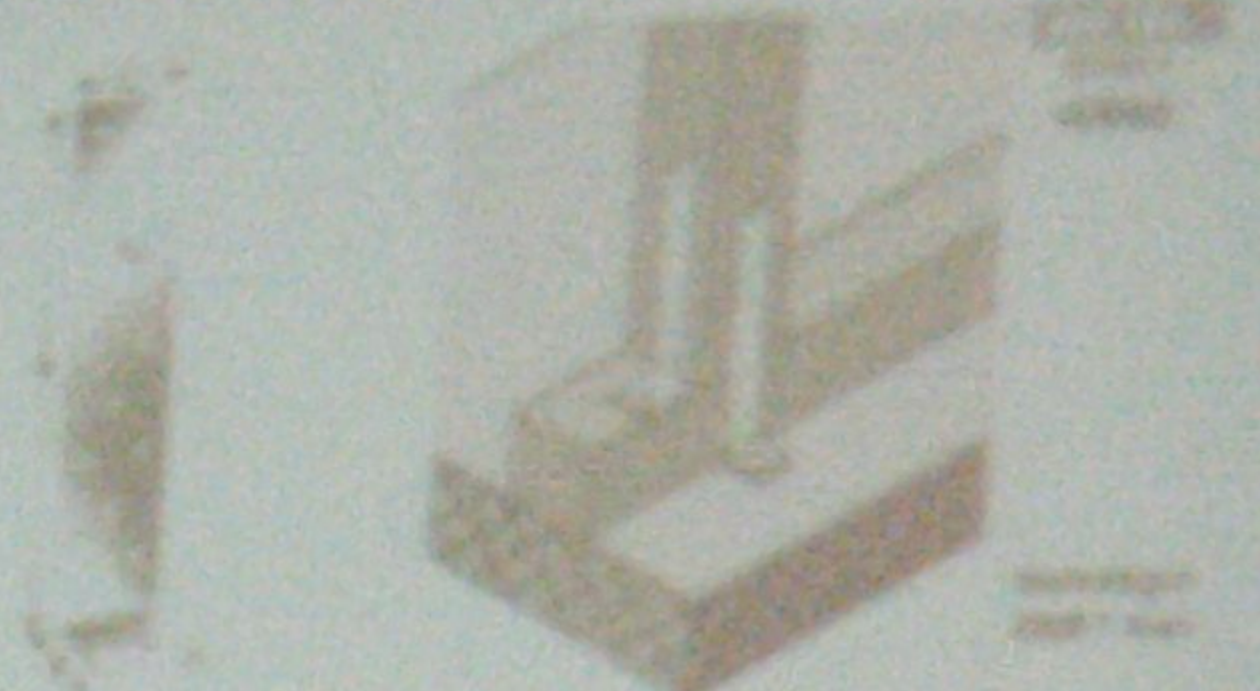
BMF® Winkelverbinder 90x35x2,5x40



BMF® Winkelverbinder 160x50x3,0x6



BMF® Winkelverbinder 190 / 290x50x



BMF® Winkelverbinder 60416 - 80416



BMF® Winkelverbinder 40x40x2,0x25





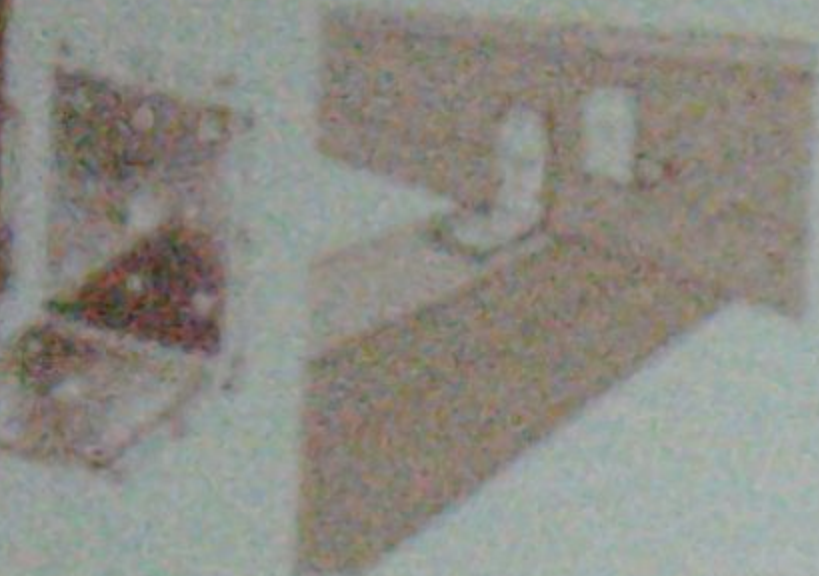
Winkelverbinder 35350 - f

BMF® Balkenschuhe IL



BMF® Winkelverbinder 160x150x2

BMF® Balkenträger 4-reihig



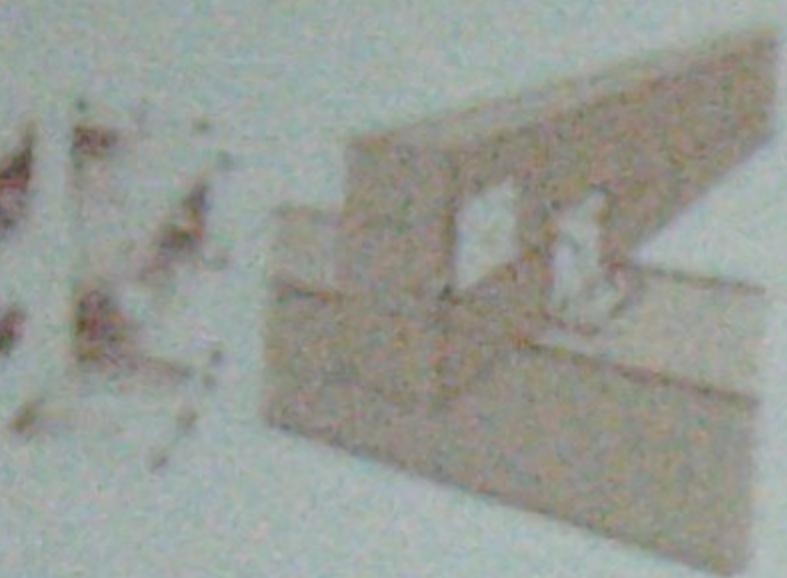
Winkelverbinder 90x48x3

BMF® Balkenschuhe 2-teilig



BMF® Winkelverbinder 190 / 29K

BMF® Balkenträger ALU



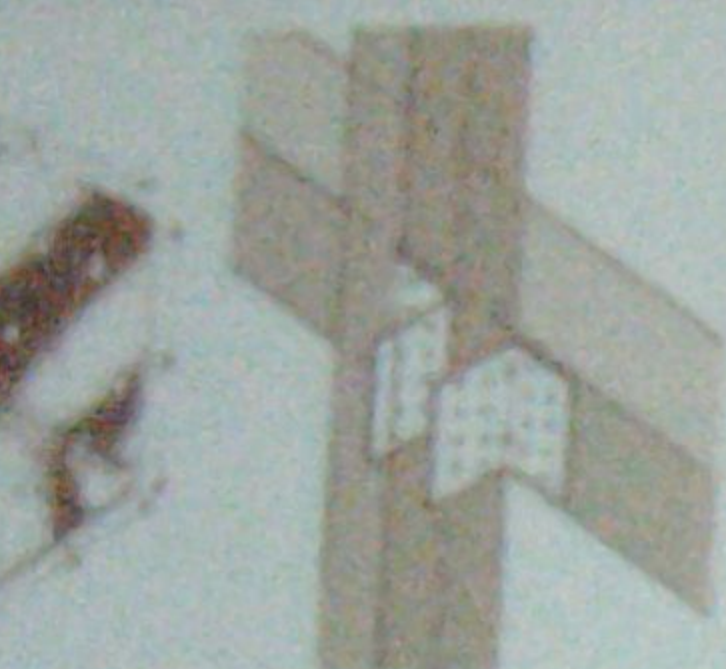
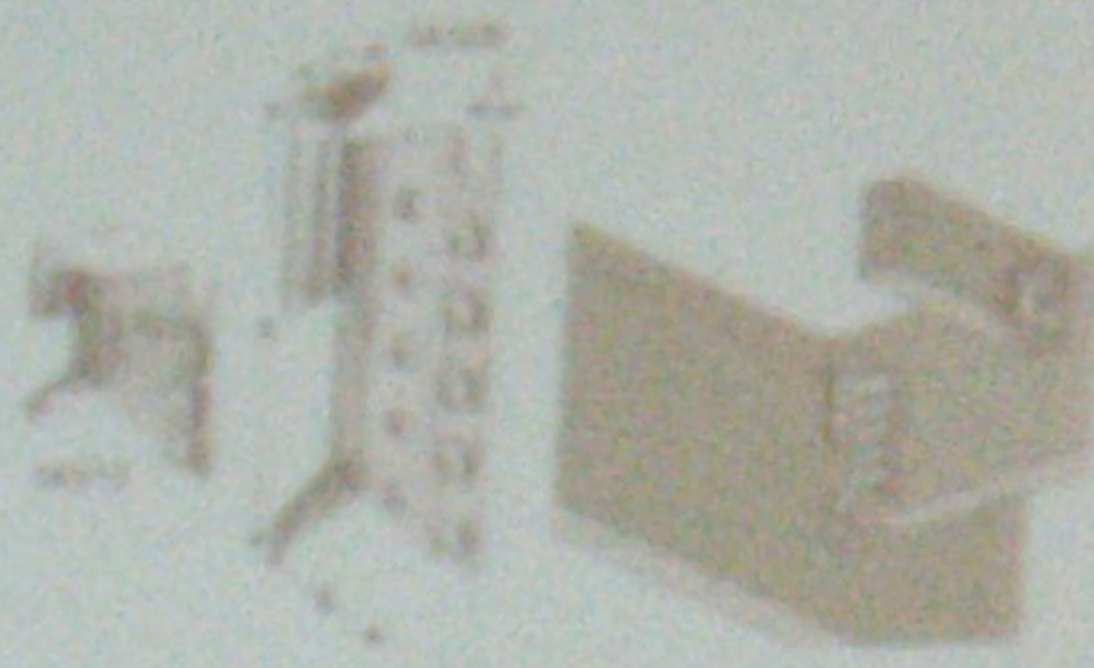
Winkelverbinder 90265

Balkenschuhe S



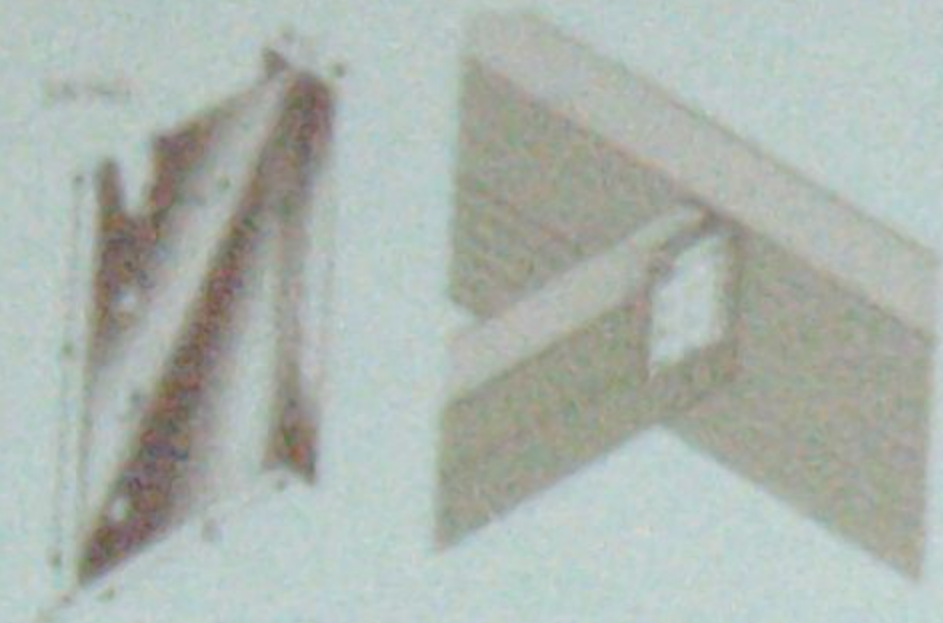
BMF® Winkelverbinder 60416 - f

JANE® - TU Einhängeträger



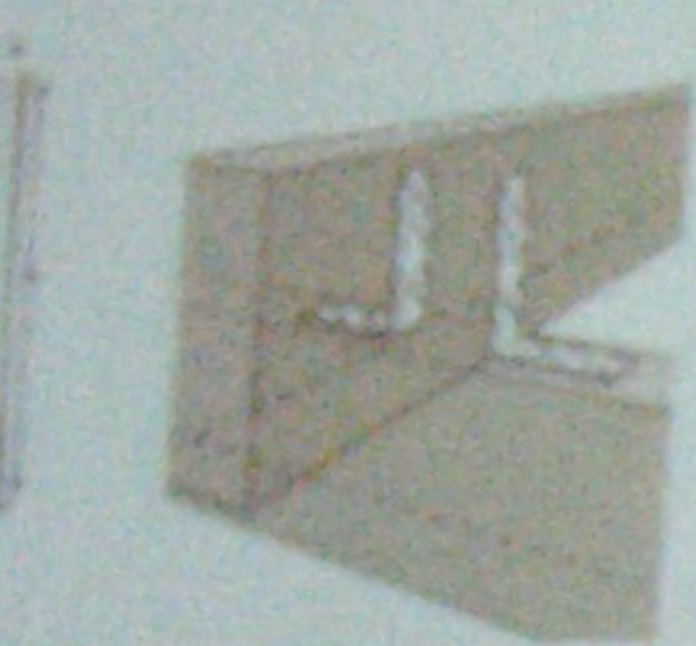
Winkelverbinder 40312 - f

BMF® Balkenträger

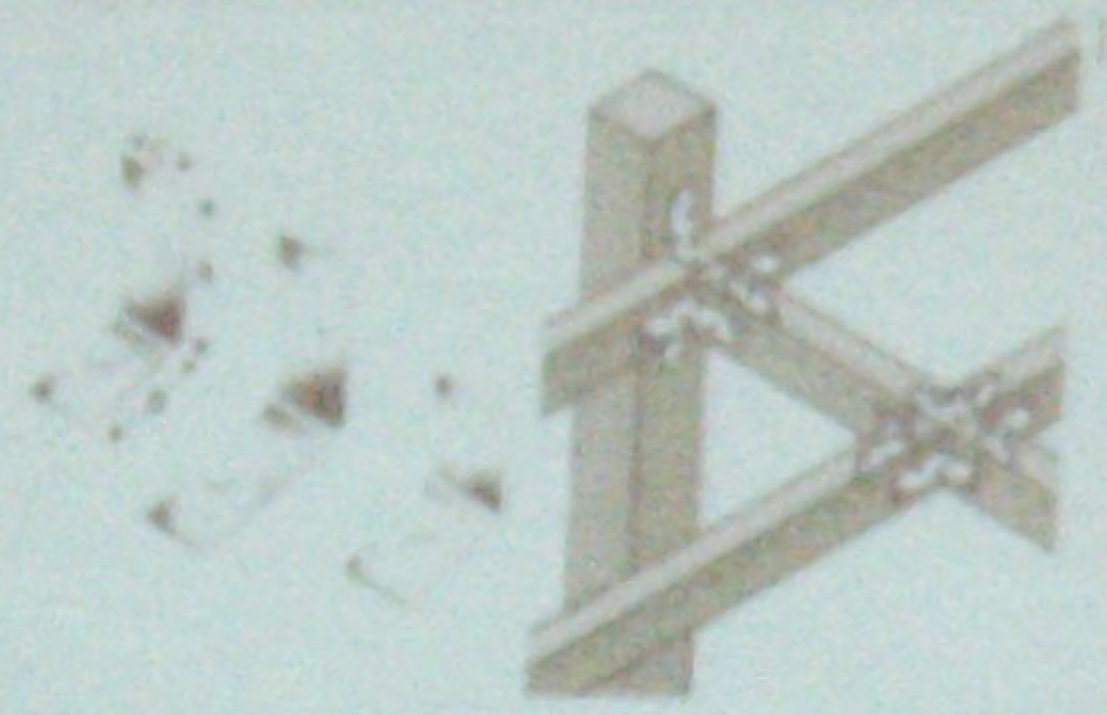
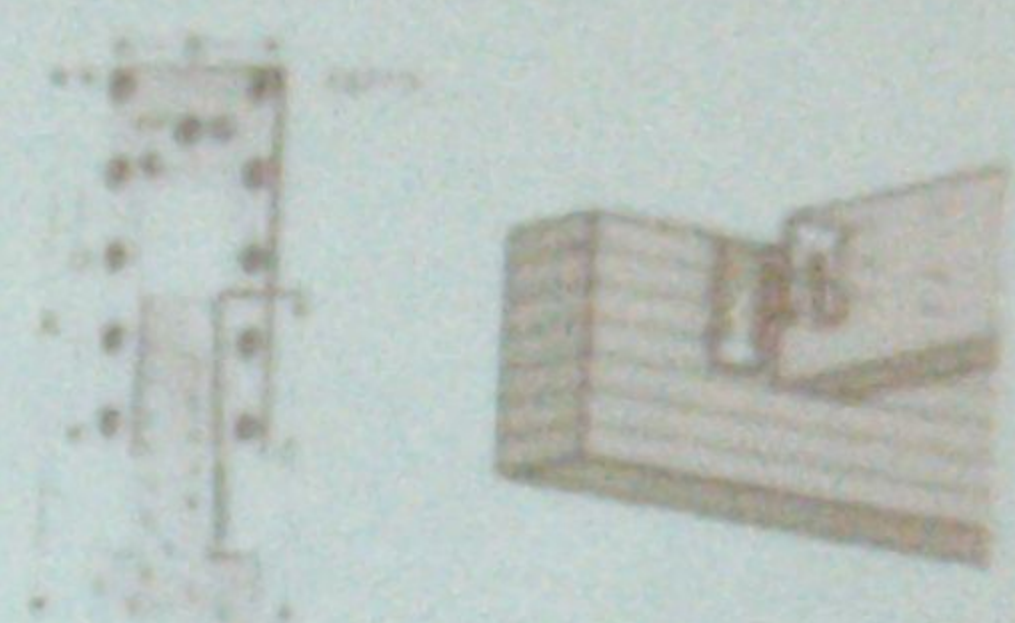


BMF® Winkelverbinder 40x40x2

JANE® - TU/S Einhängeträger



BMF® Passverbinder ET



120



BMF® Sparrenfußverbinder



BMF® Sparrenwinkel



BMF® Universalverbinder MAXI



BMF® Sparrenpfettenanker



SIMPSON Stützenfüße JIB und



SIMPSON Stützenfüße JPS und



SIMPSON Stützenfüße P und P1



BMF® HE-Anker

Plattenhalter 2/50



Plattenhalter 1/40 und

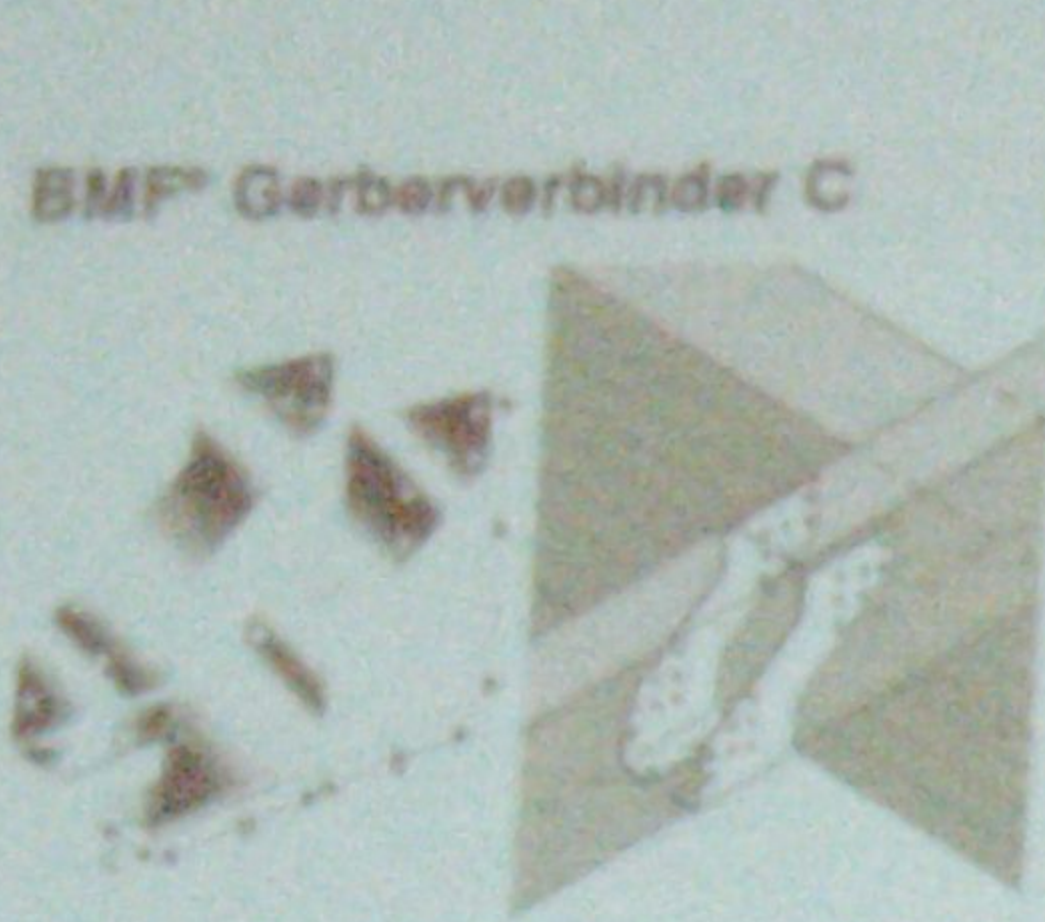


er 48x320

BMF® Gerberverbinder B



BMF® Gerberverbinder B, feuer



BMF® Gerberverbinder C

BMF® Plattenanker E



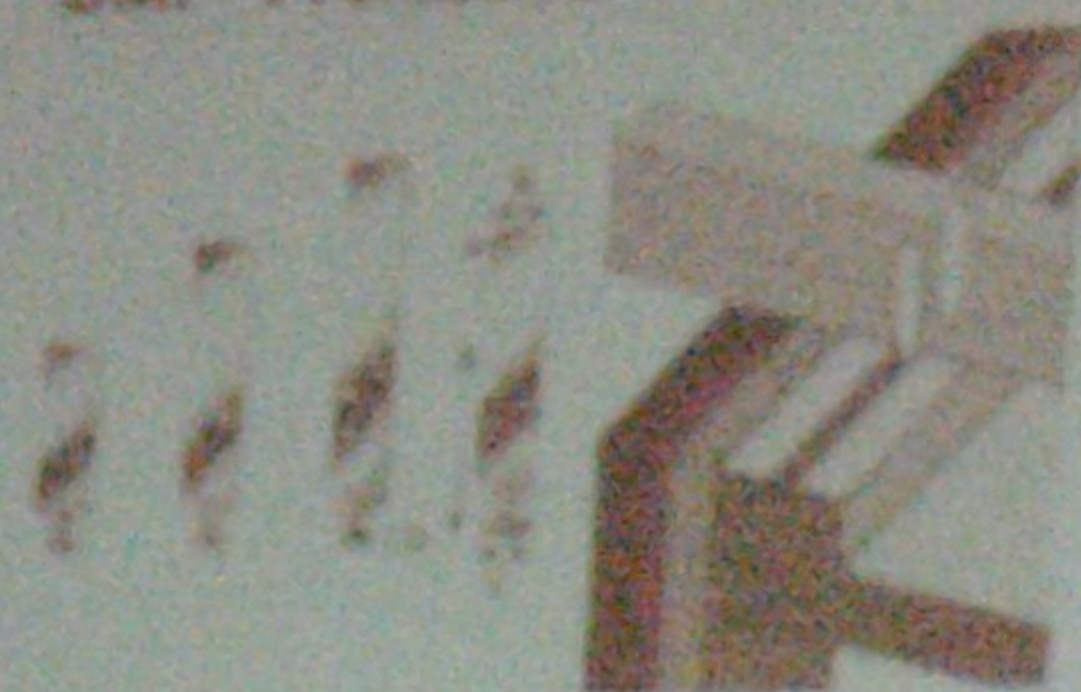
BMF® Plattenanker UNI



Balkenstrip 800x40x1,5



BMF® Profilanker



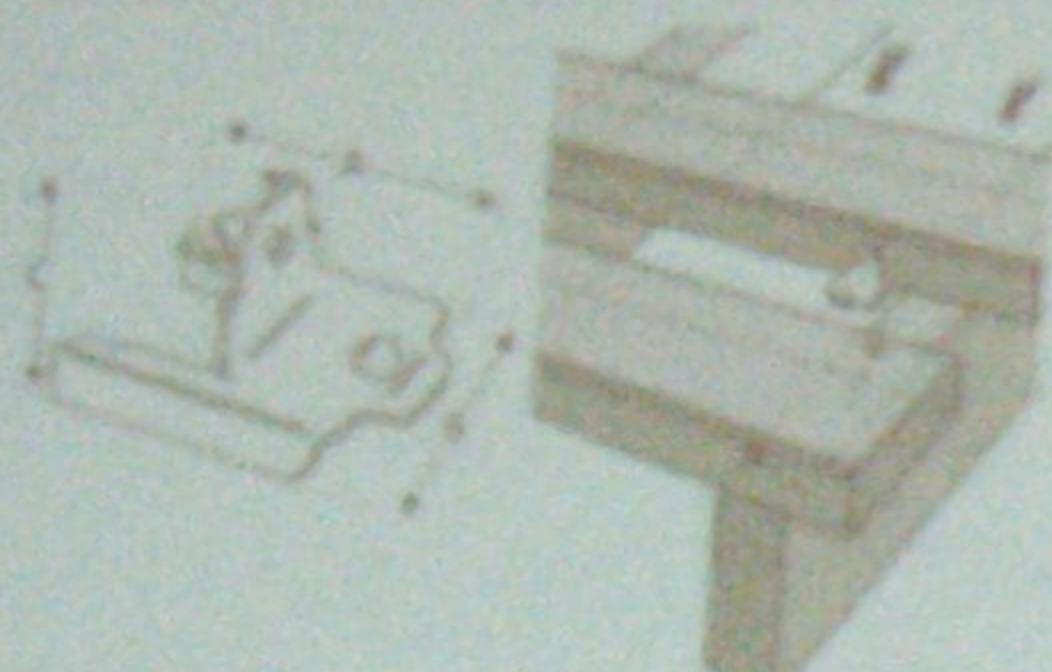
SIMPSON Treppenwinkel



BMF® Stilmverbinder



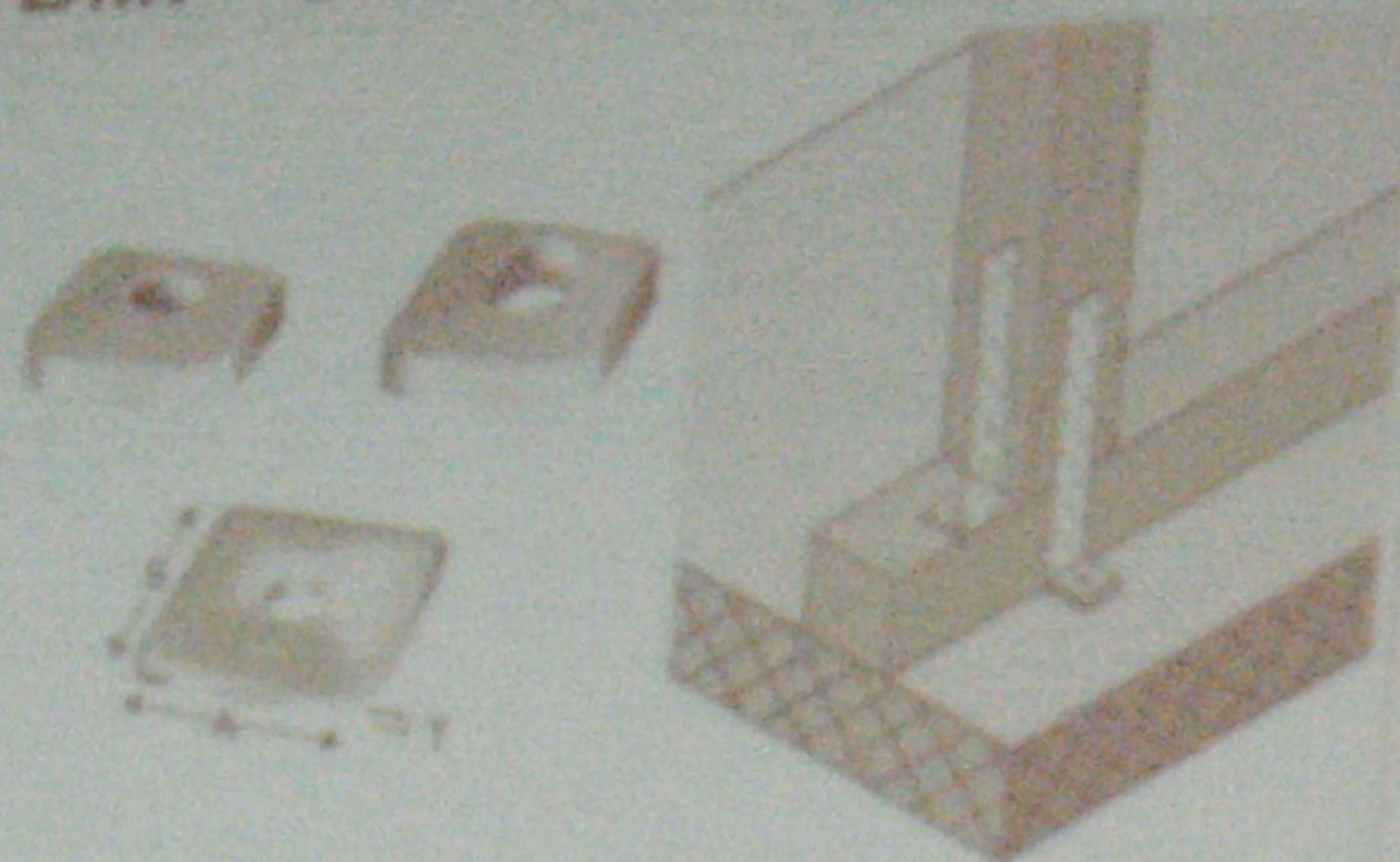
SIMPSON Terrassen-Clip DBT1



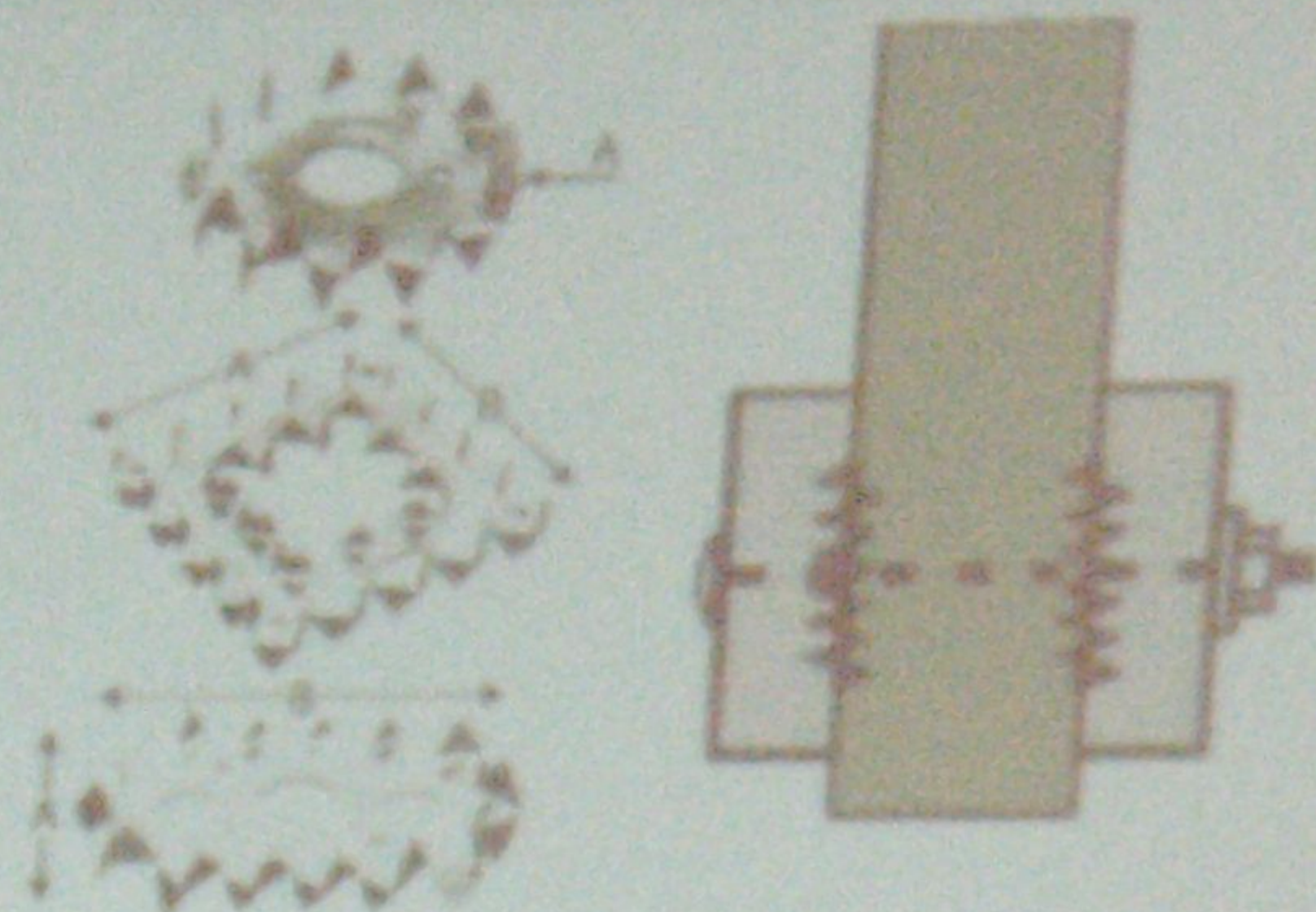
Wechselverbinder



BMF® U - Scheiben



BULLDOG® Einpreßdübel, dopp



BULLDOG® Einpreßdübel, einse

