

III
64-2-9(9)

Biblioteca de Ingenieros del Ejercito.



Inscripción...	Folio.....	208
	Número.....	6180
Clasificación..	División.....	12-
	Subdivisión	9 - 10
Colocación....	Estante.....	1 1
	Tabla.....	2 ^a
	Número.....	9

8318808

bd4-10720

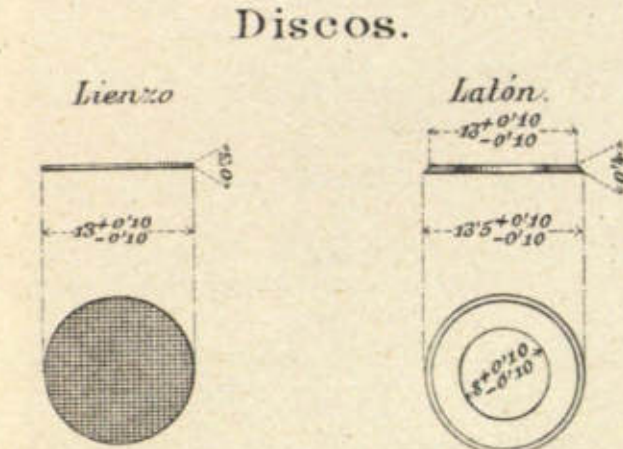
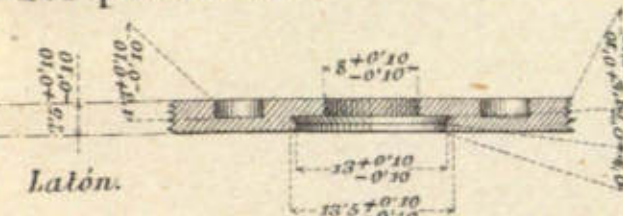
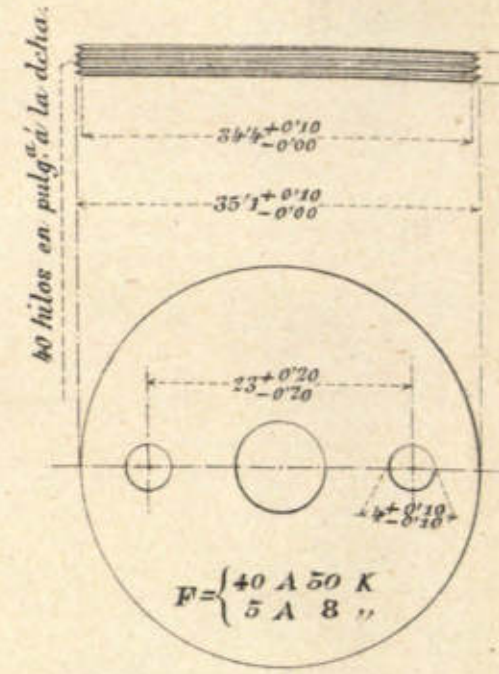
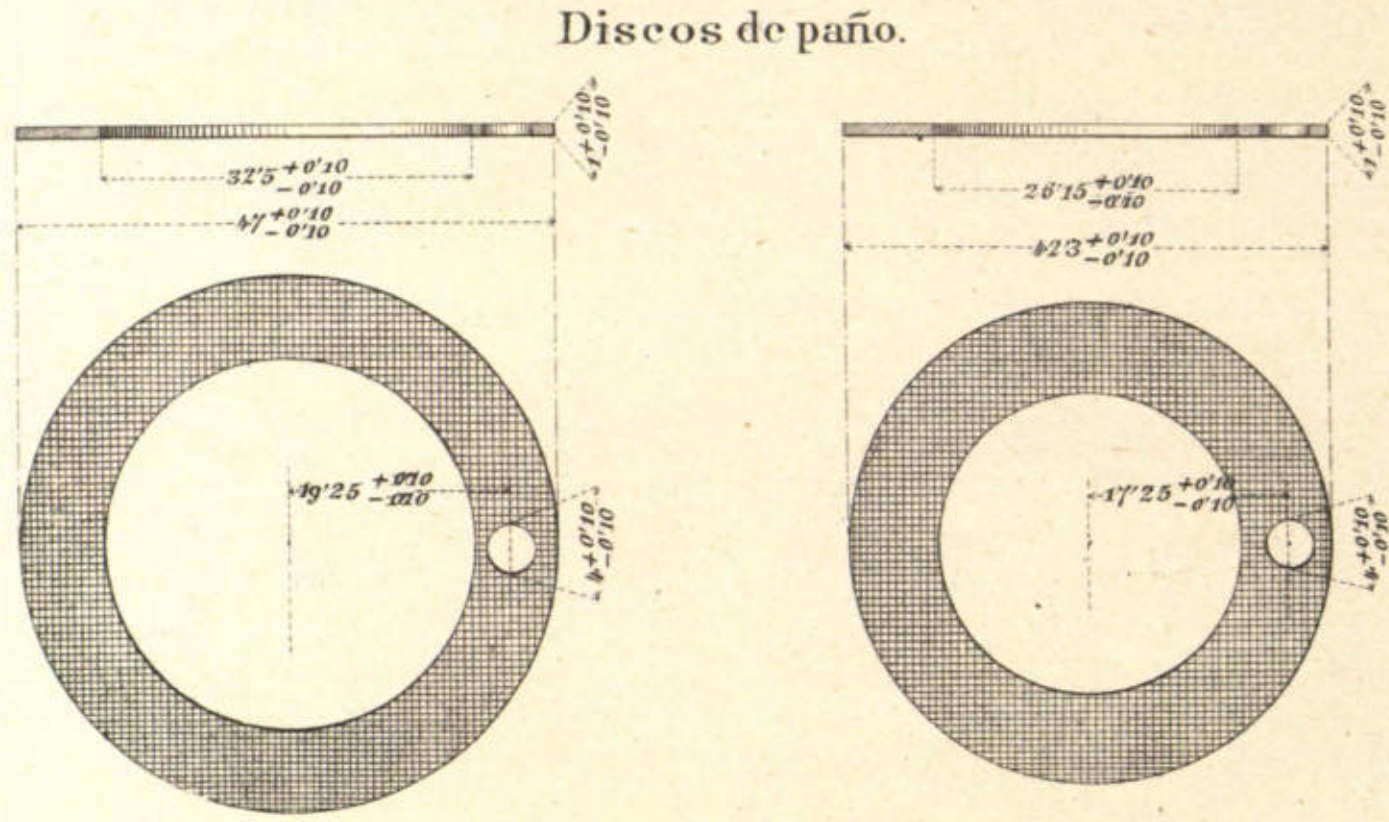
7

ESPOLETA DE DOBLE EFECTO Md. 1911.

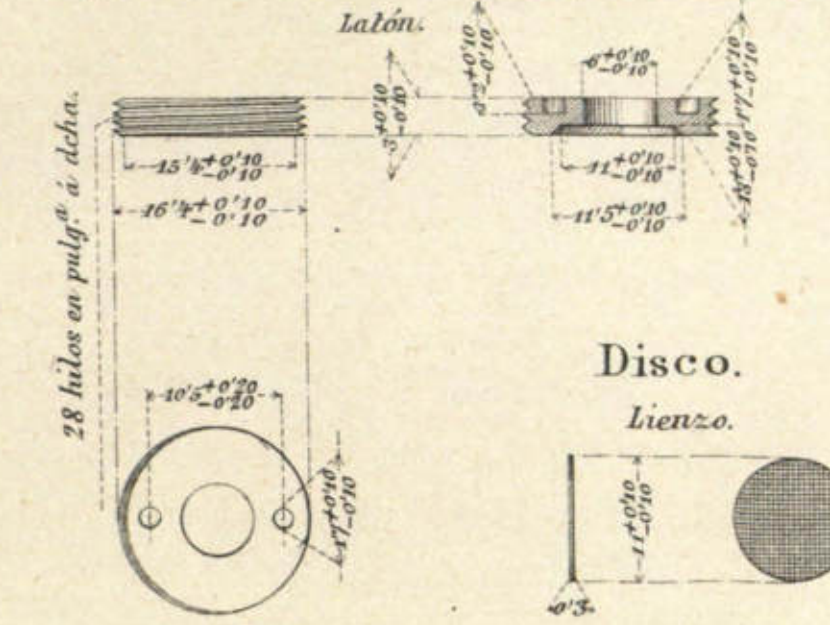
DE TALLERES

Escala 1/1.

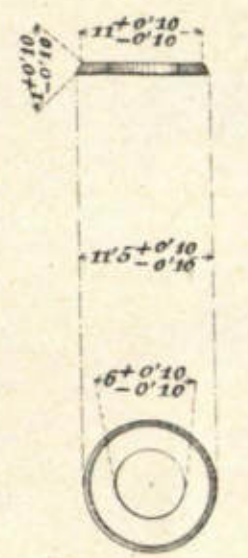
Tapón del petardo.



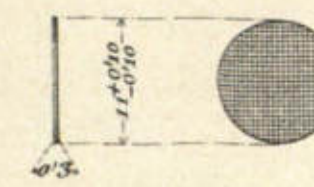
Tapón del elemento de percusión.



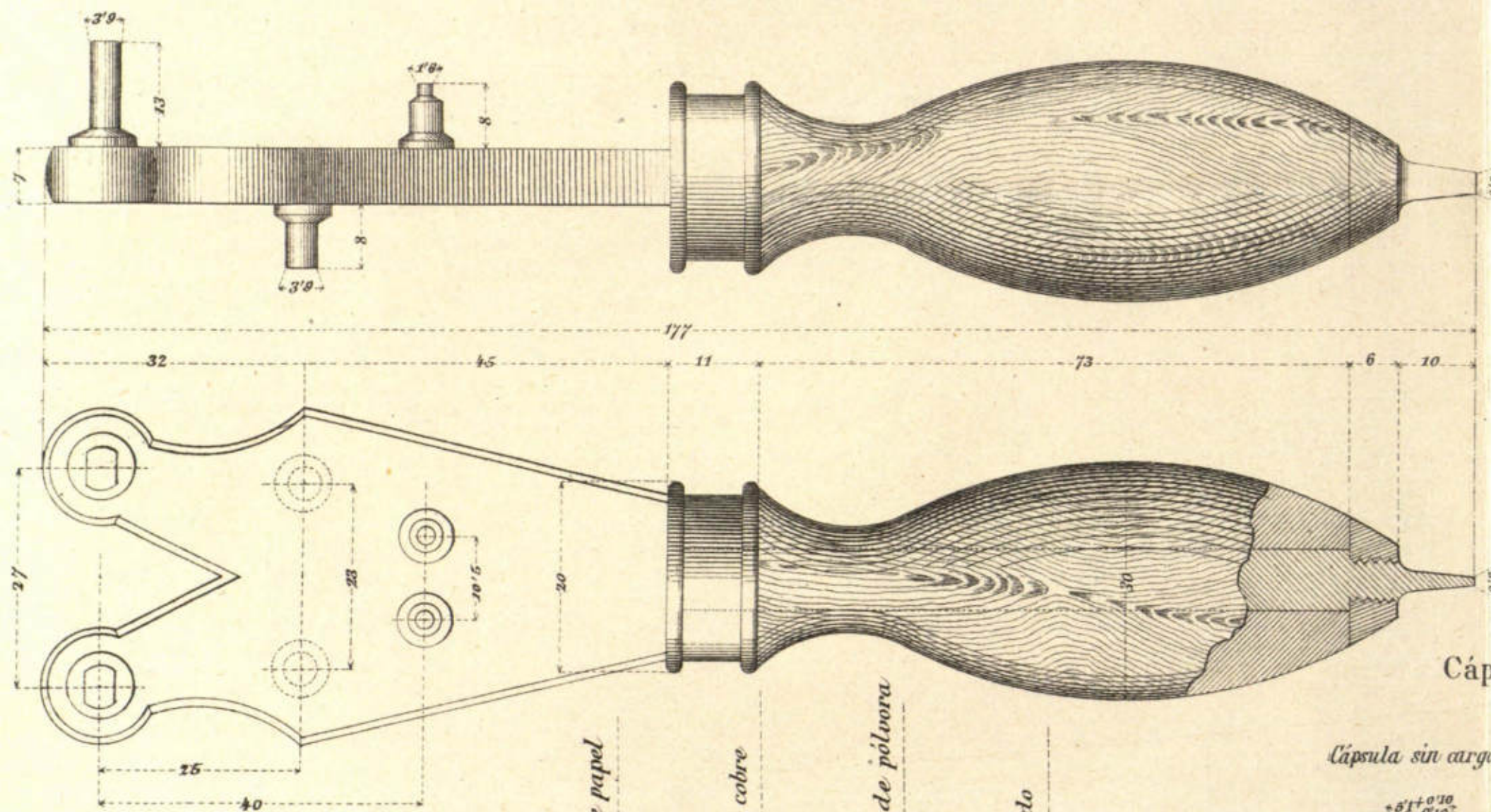
Disco. Plomo.



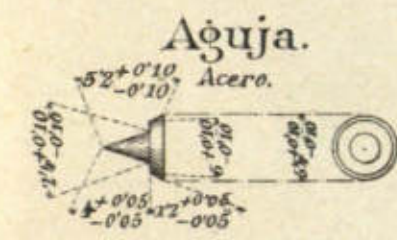
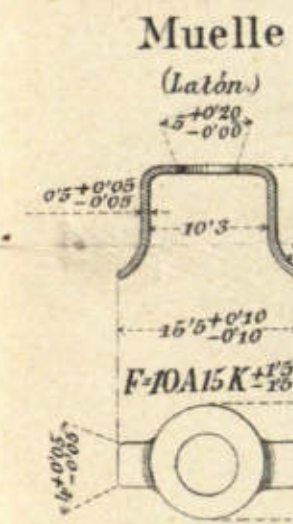
Disco. Lienzo.



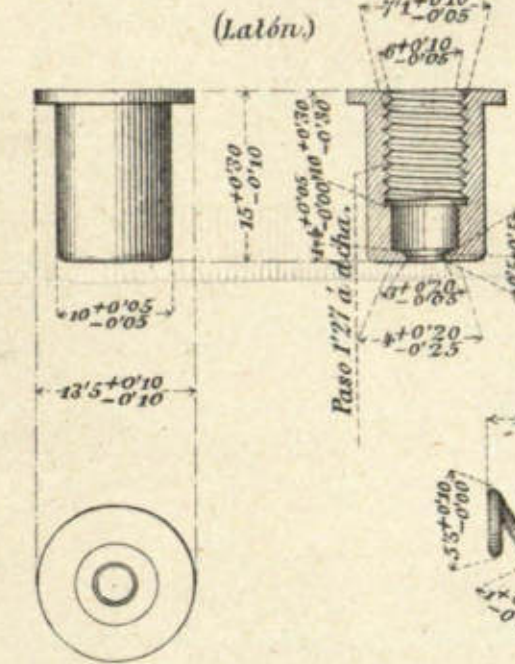
Elemento de percusión.



Elemento de concusión.



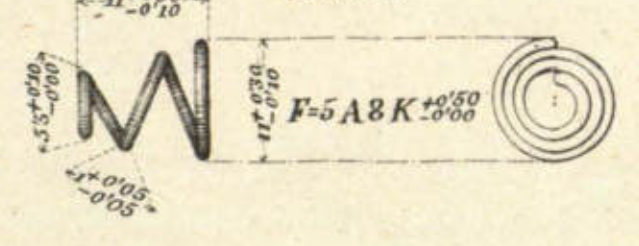
Porta-cebo.



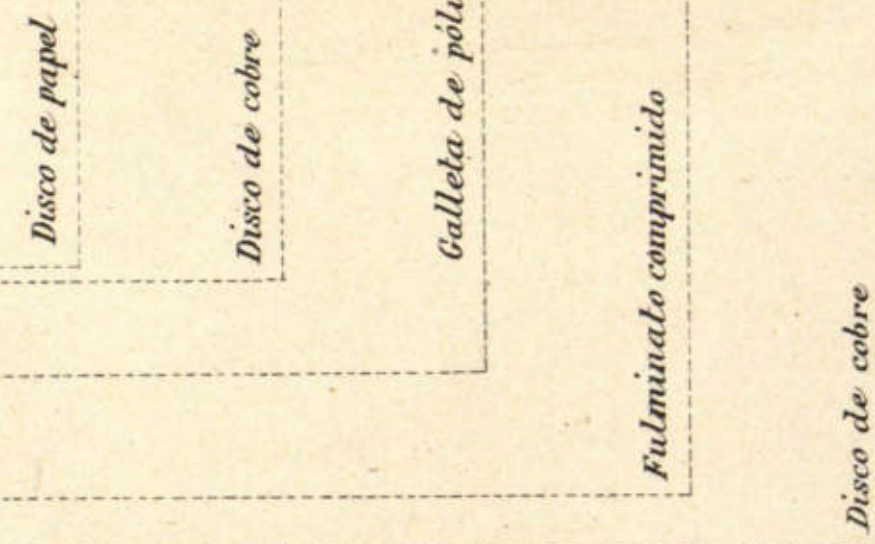
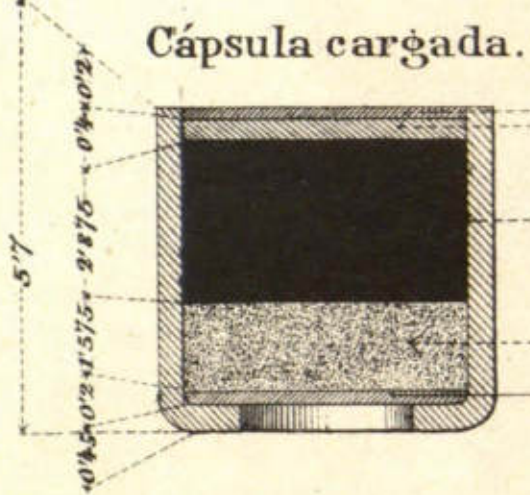
Aguja. Acero.



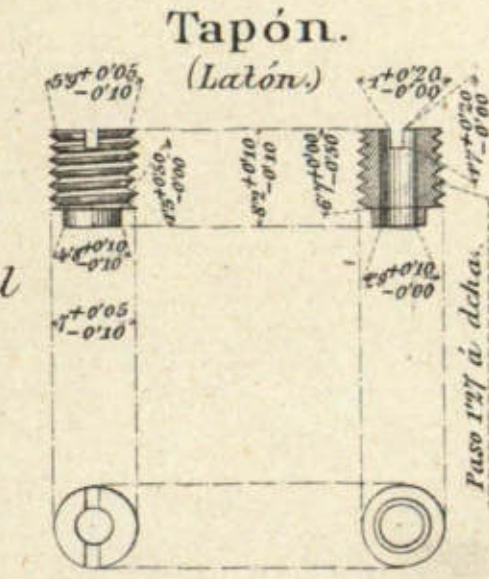
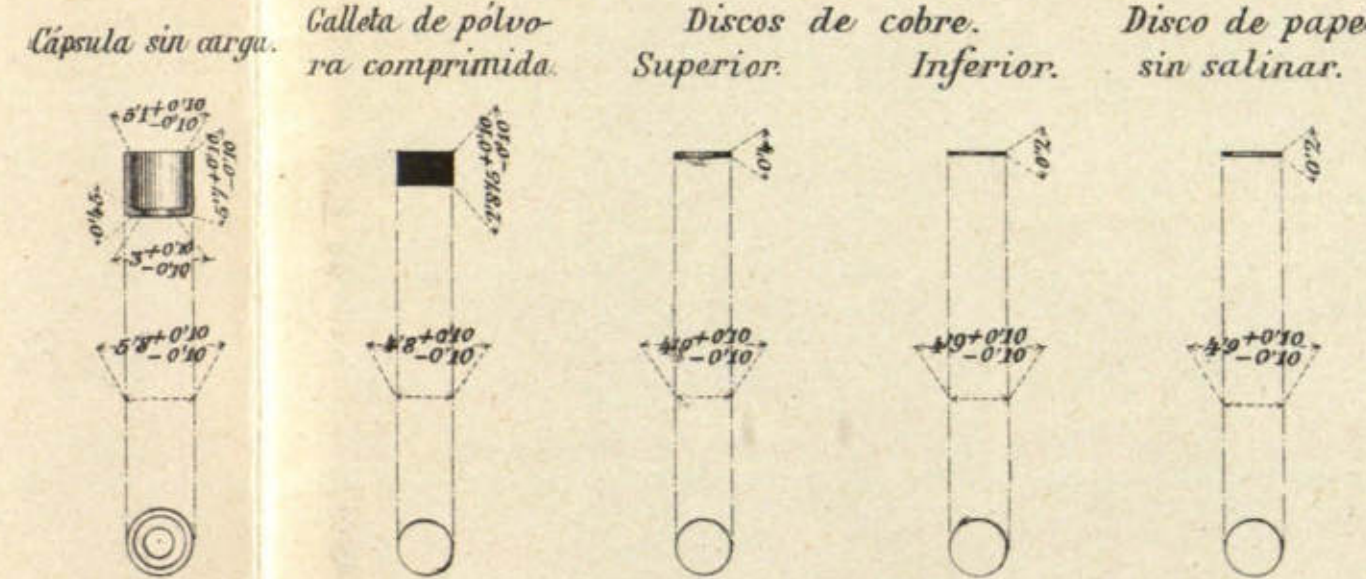
Muelle espiral (Latón).



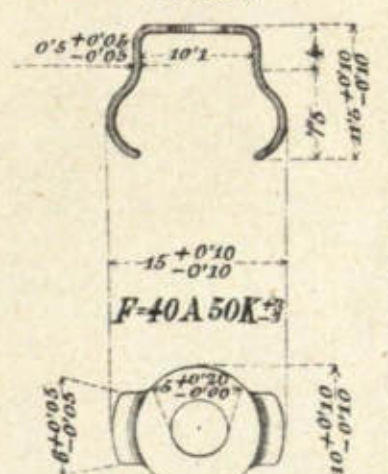
Cápsula común para los dos elementos.



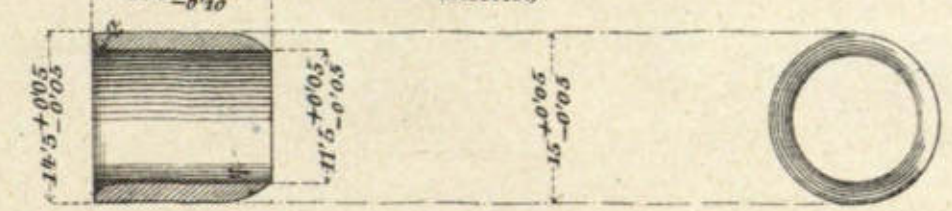
(E = 5/10.)



Muelle. (Latón).



Contra-percutor. (Latón).

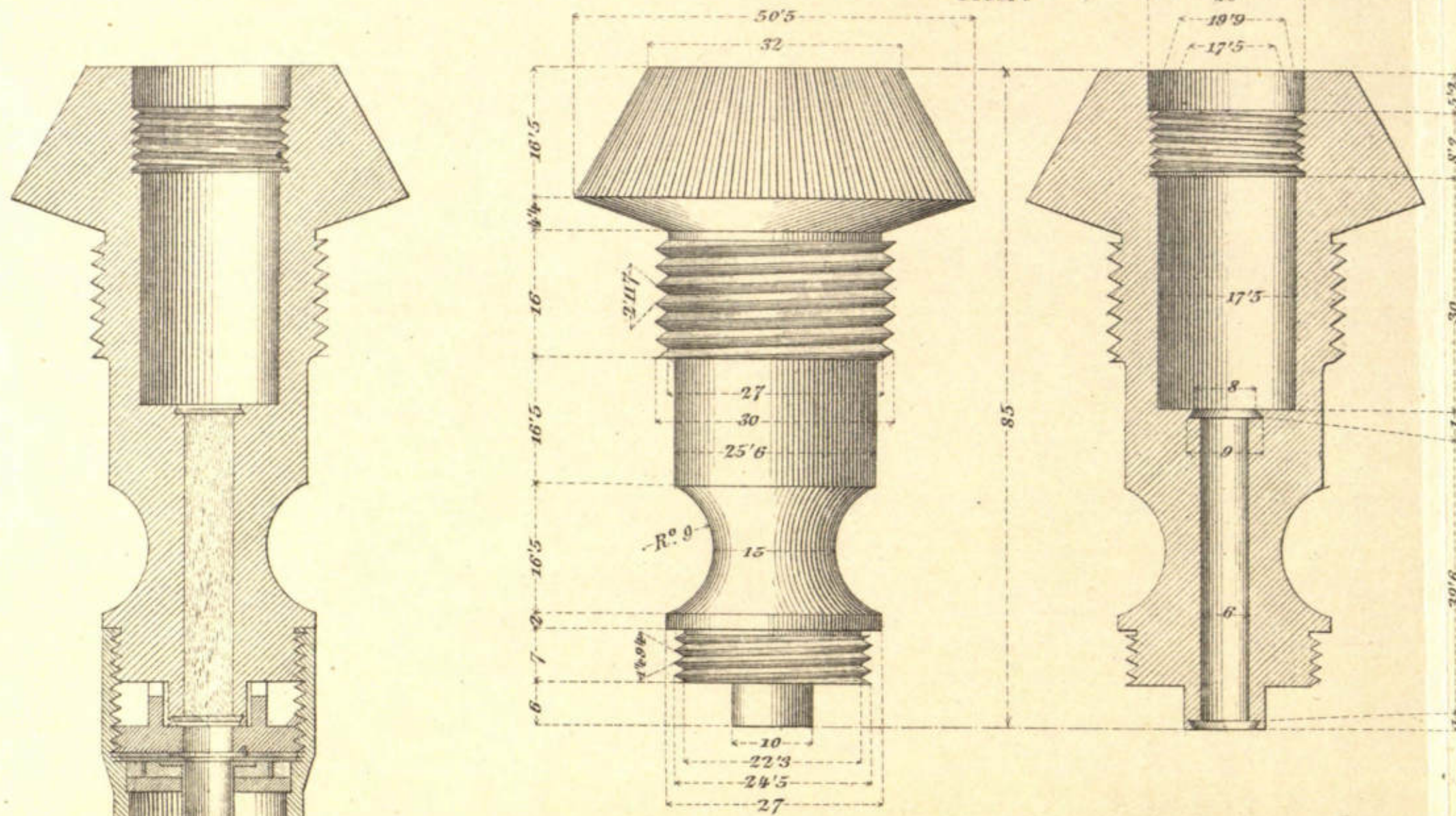


DETONADOR PARA GRANADA ROMPEDORA DE C. Bc. Y Ac. DE 9 cm.

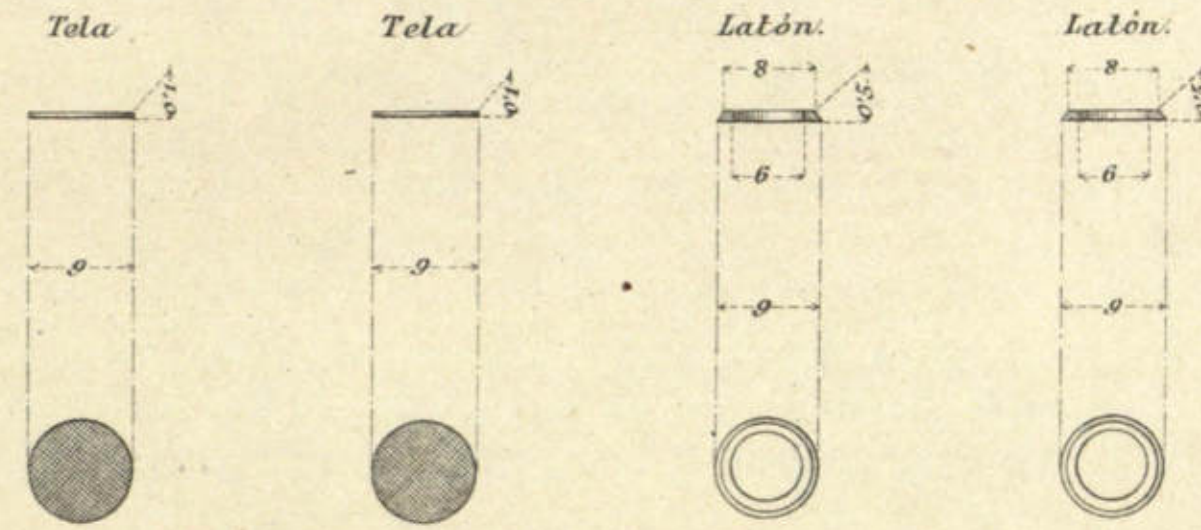
Escala 1/4.

Cabeza del detonador

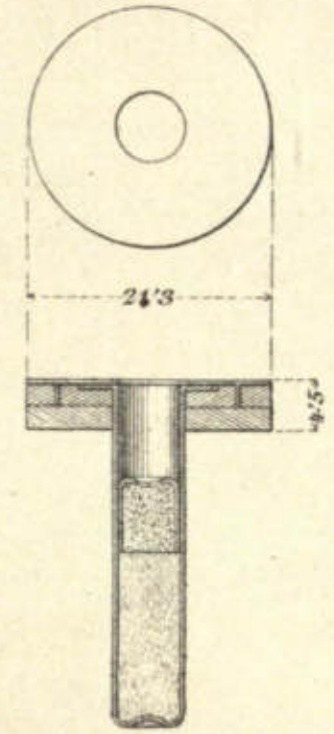
Acero



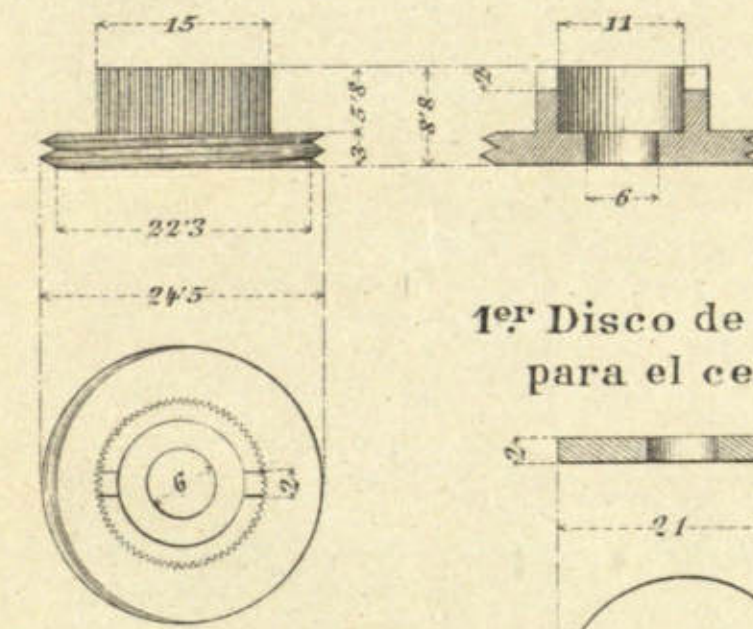
Discos del petardo.



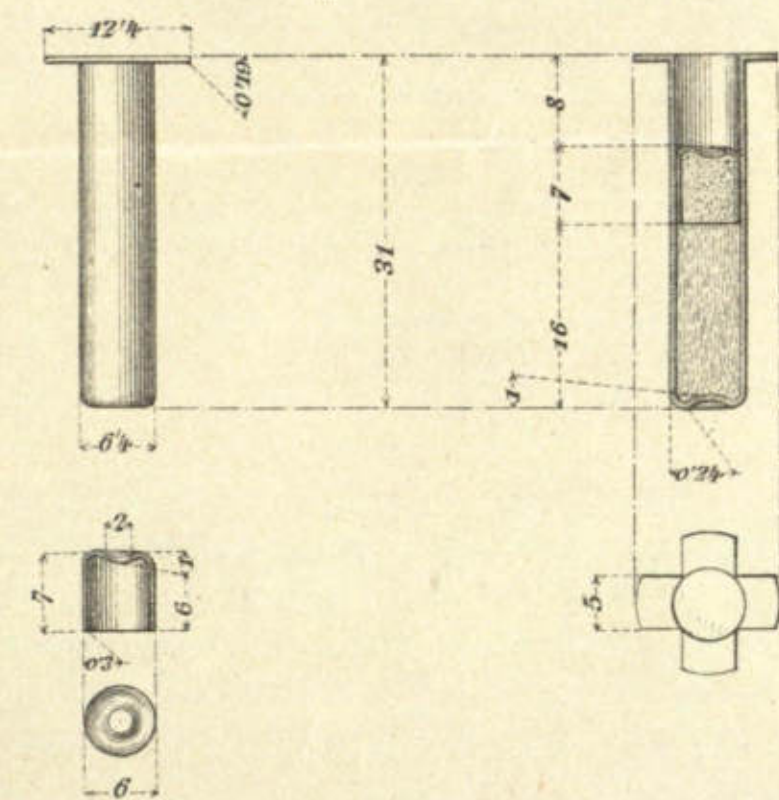
Cebo armado para el petardo.



Tapón del multiplicador.

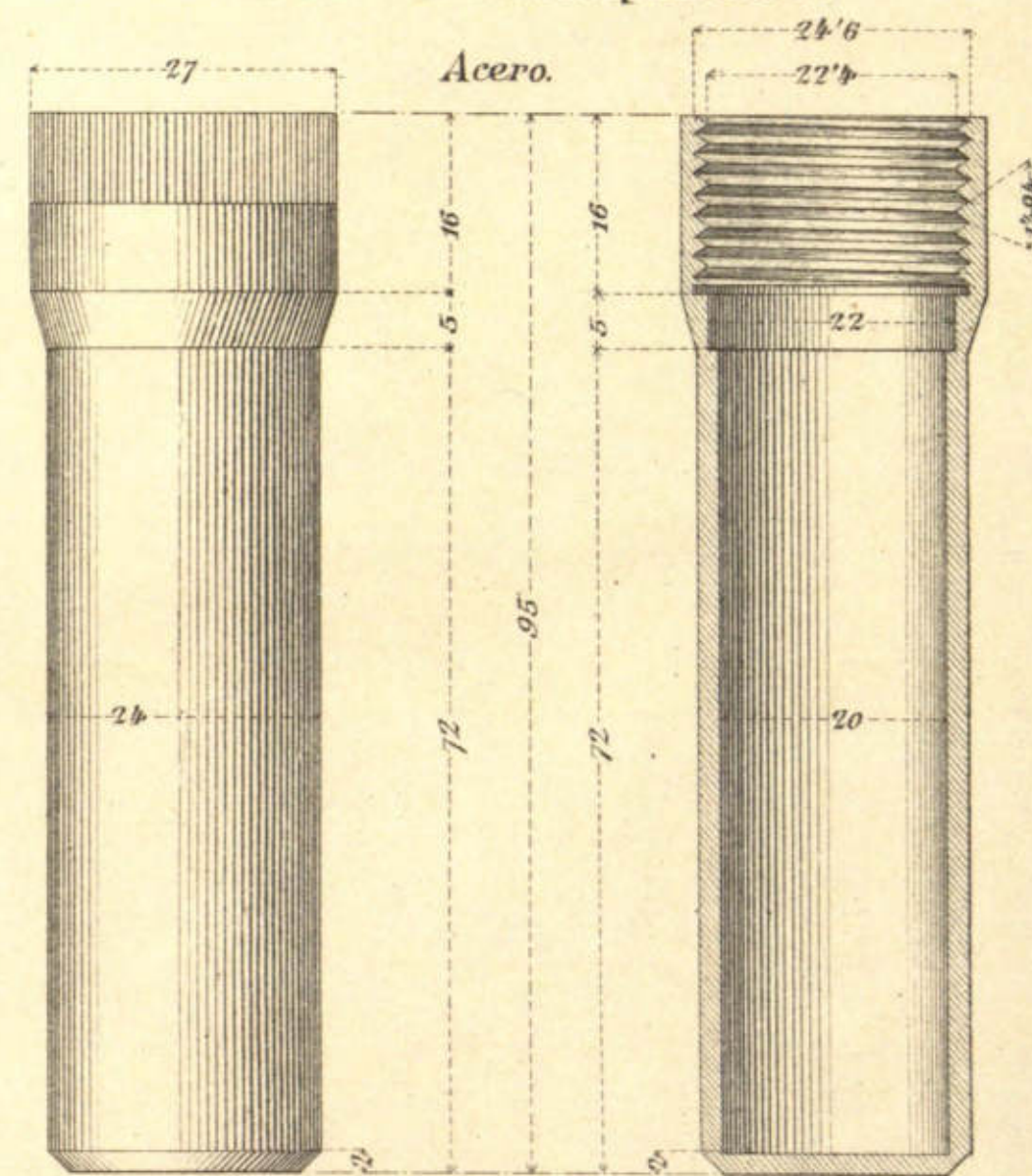


Vaina de cobre para el cebo del petardo.

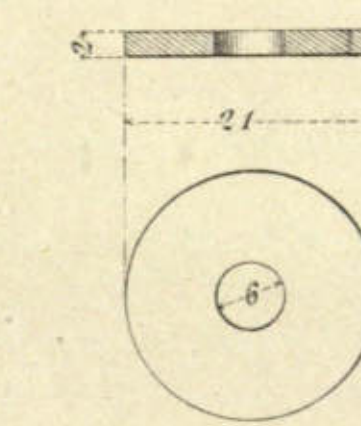


Vaina del multiplicador:

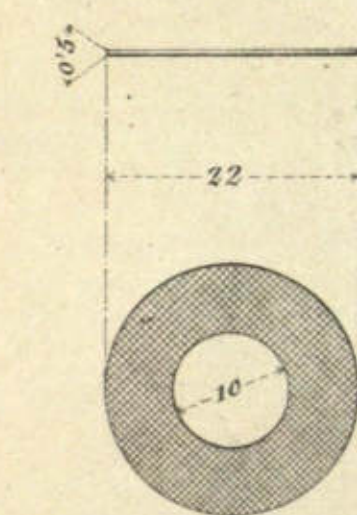
Acero



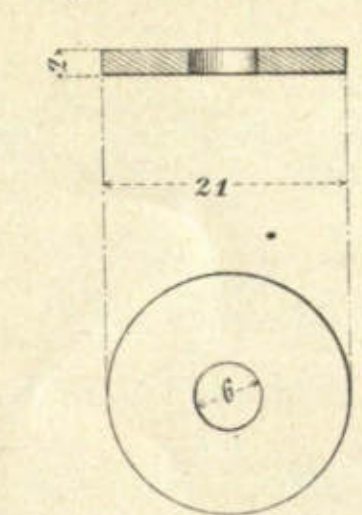
1º Disco de corcho para el cebo.



Rodaja de paño pegada al tapón.



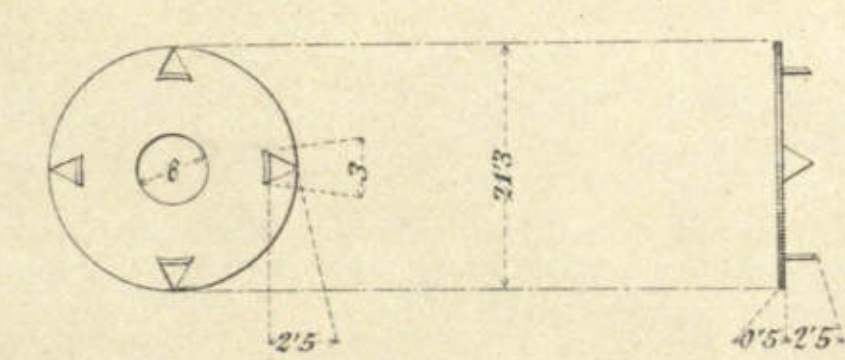
2º Disco de corcho para el cebo.



Rodaja de paño.

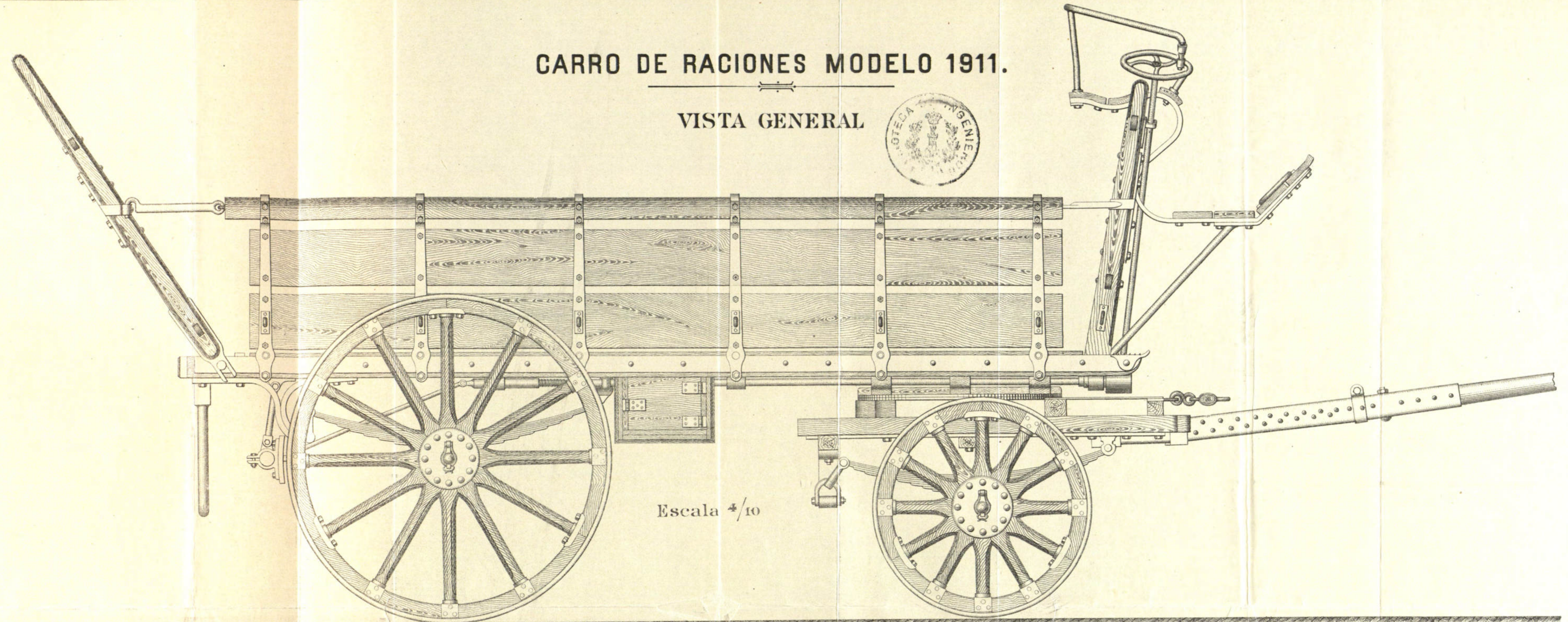


Armadura metálica para sujetar el cebo á los discos de corcho.

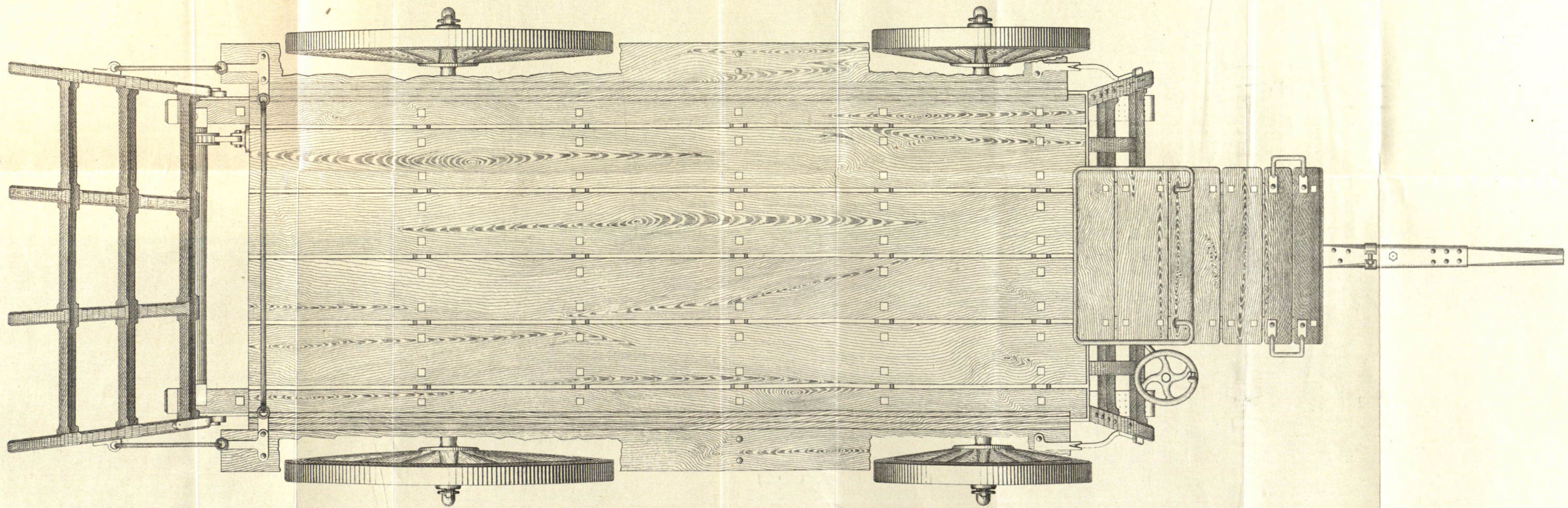


CARRO DE RACIONES MODELO 1911.

VISTA GENERAL



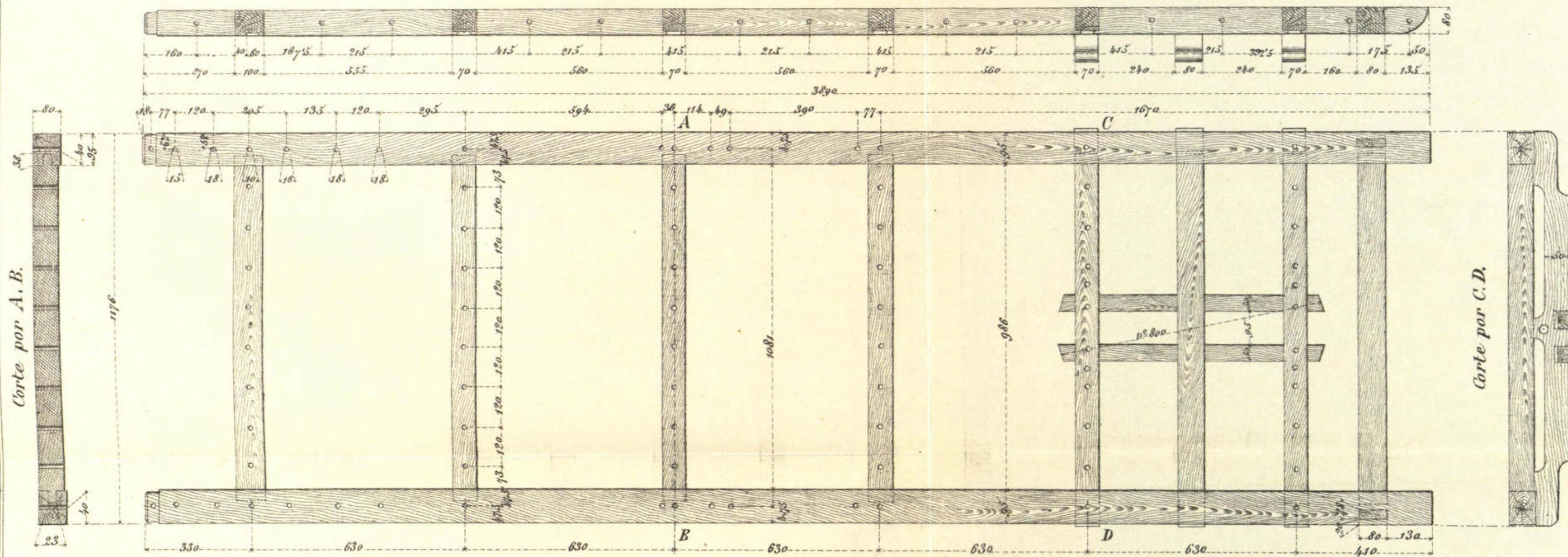
Escala 4/10



CARRO DE RACIONES MODELO 1911.

DETALLES DE LA MADERA

Armadura del lecho del carro. (1/15.)



Corte por A. B.

Corte por C. D.

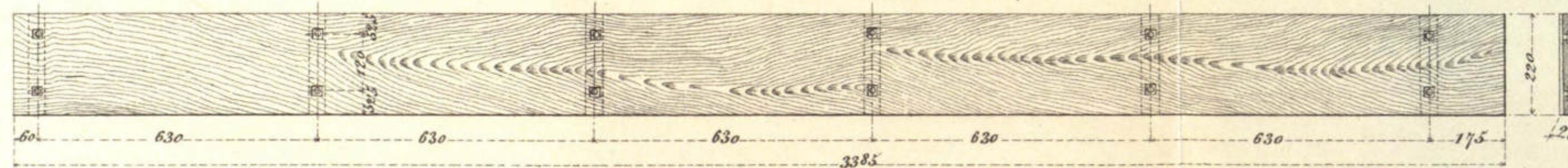
2 Tableros laterales superiores. (1/15.)



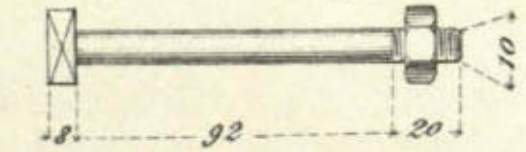
4 Tableros laterales inferiores. (1/15.)



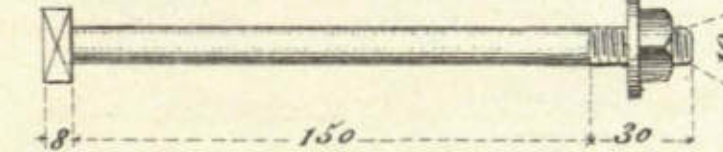
4 Tableros centrales del lecho. (1/15.)



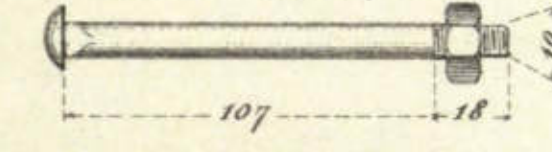
58 Tornillos de los tableros del lecho. (3/10.)



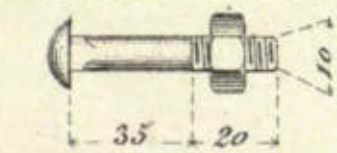
6 Tornillos de los brancales y travesones. (3/10.)



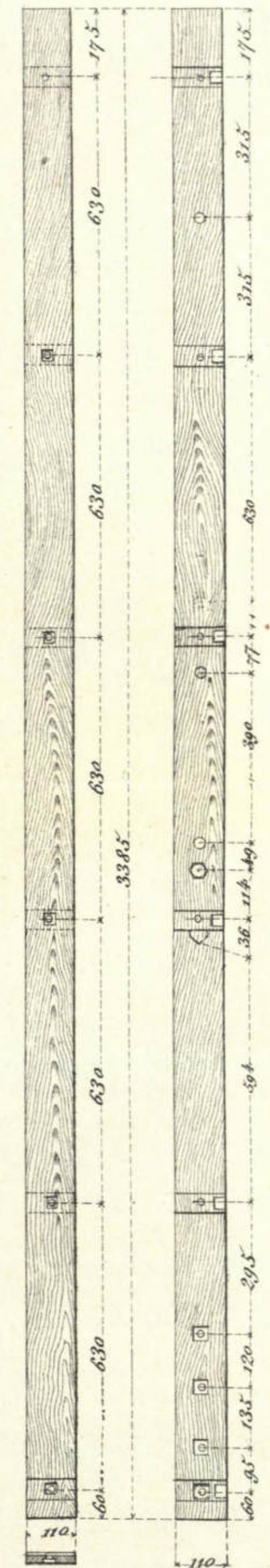
22 Tornillos del refuerzo lateral del lecho. (3/10.)



96 Tornillos de los tableros laterales. (3/10.)



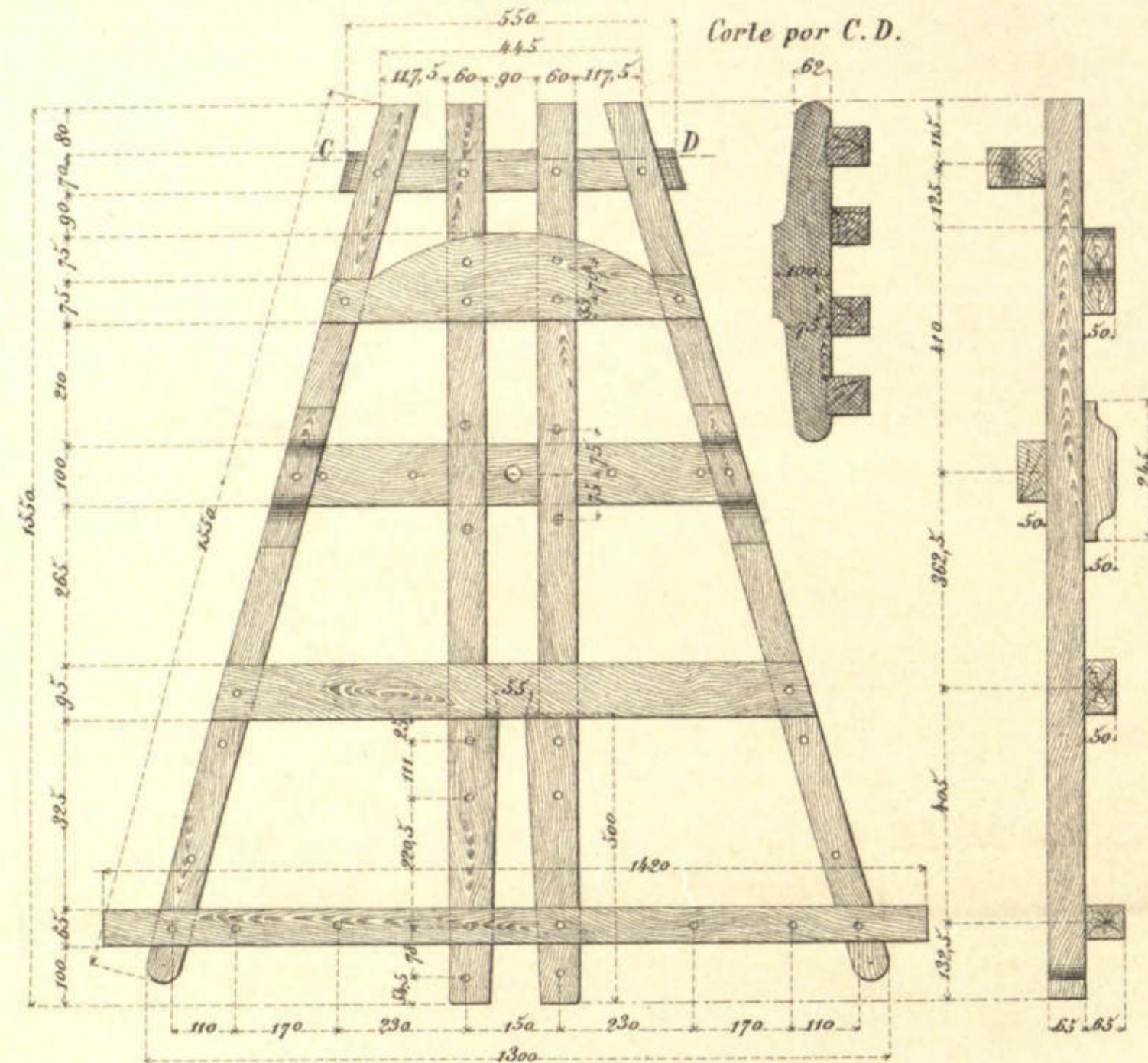
2 Tableros laterales del lecho. (1/15.)



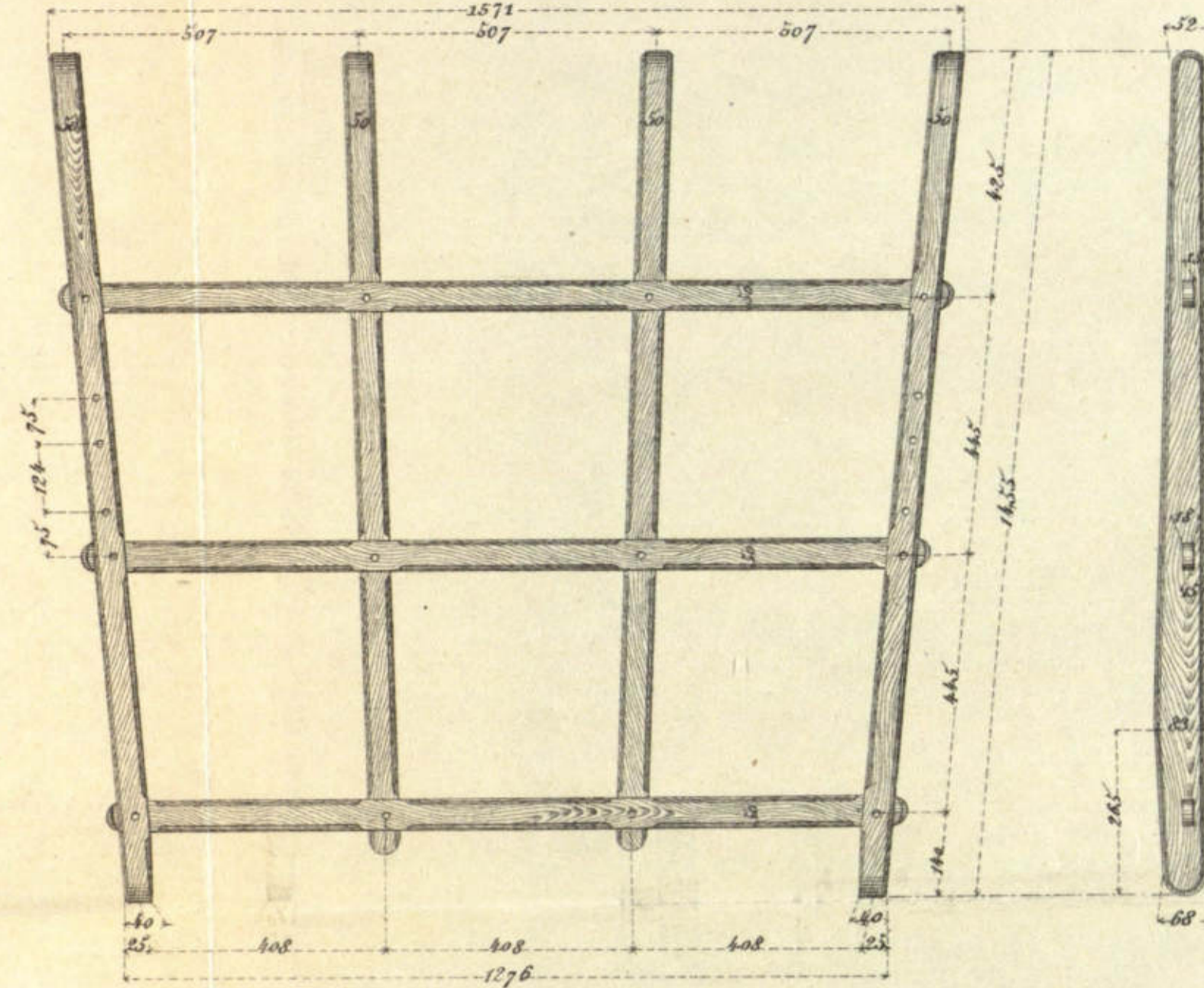
CARRO DE RACIONES MODELO 1911.

DETALLES DE LA MADERA

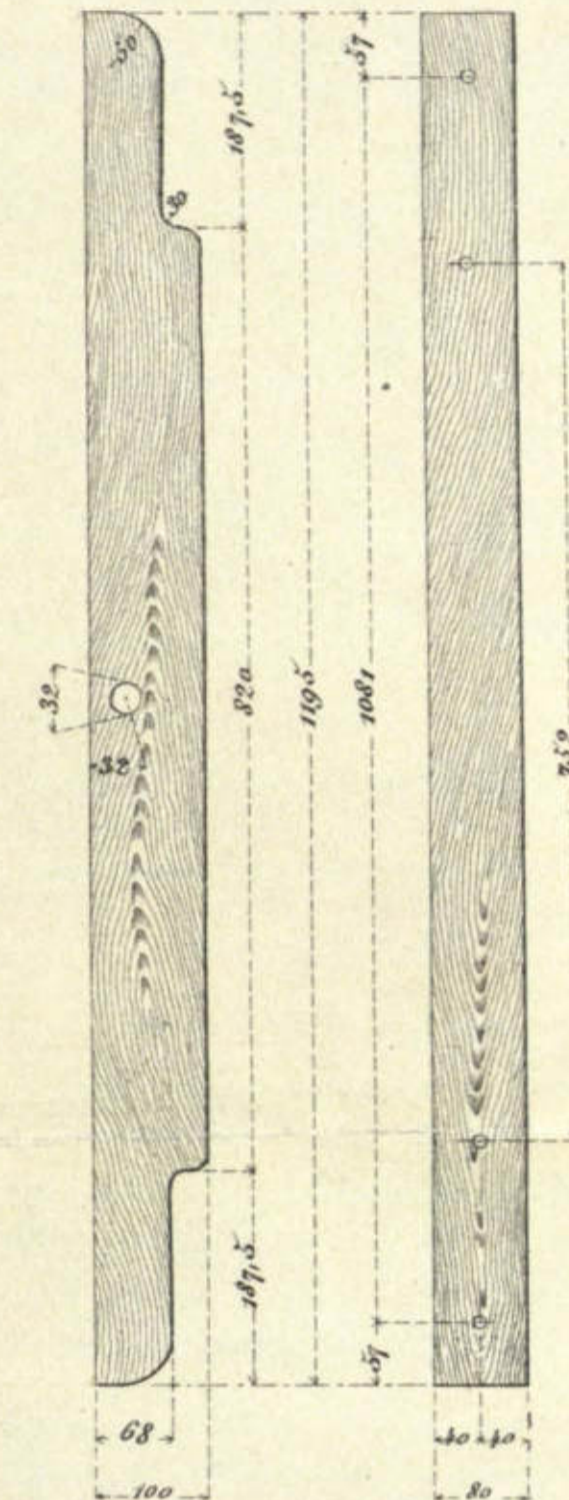
Armadura del juego delantero. (E=1/15.)



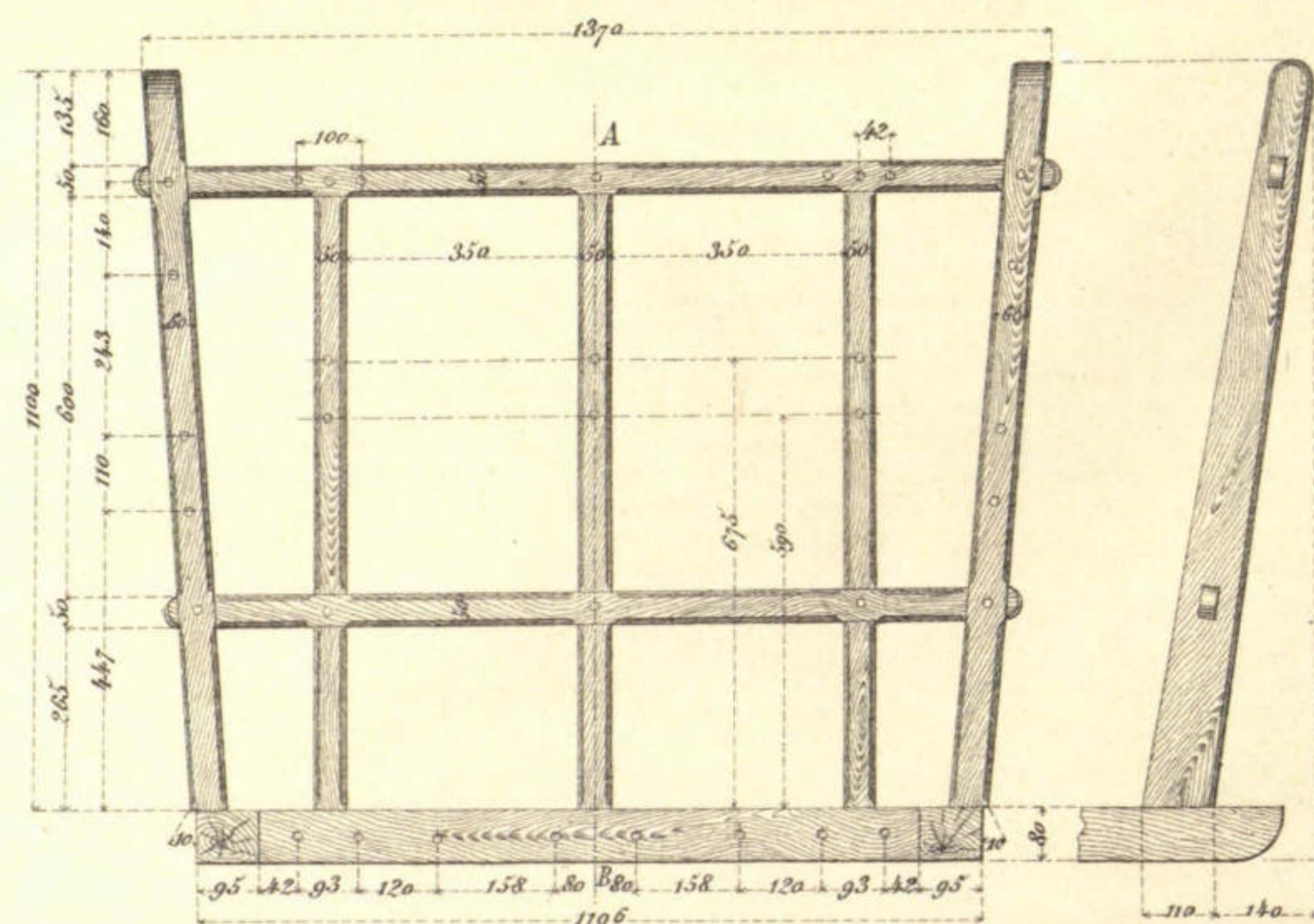
Bastidor posterior. (E=1/15.)



Travesaño central inferior del lecho. (E=1/10.)

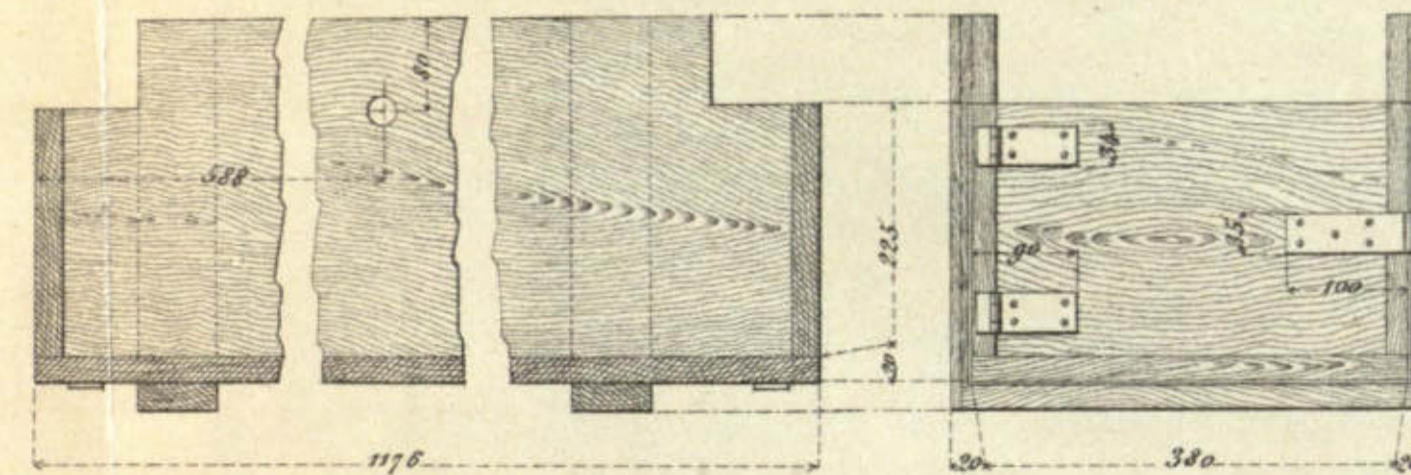


Bastidor anterior. (E=1/15.)

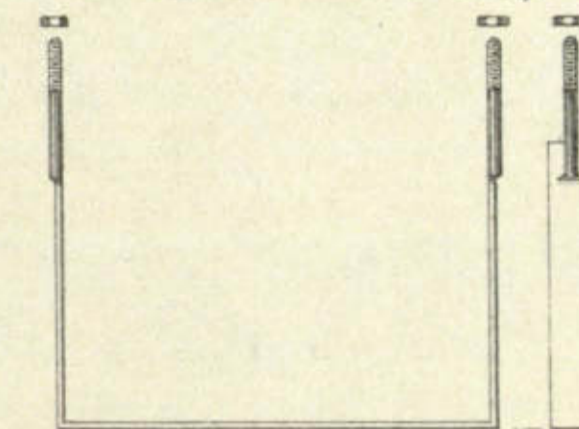


Caja de herramientas. (E=1/10.)

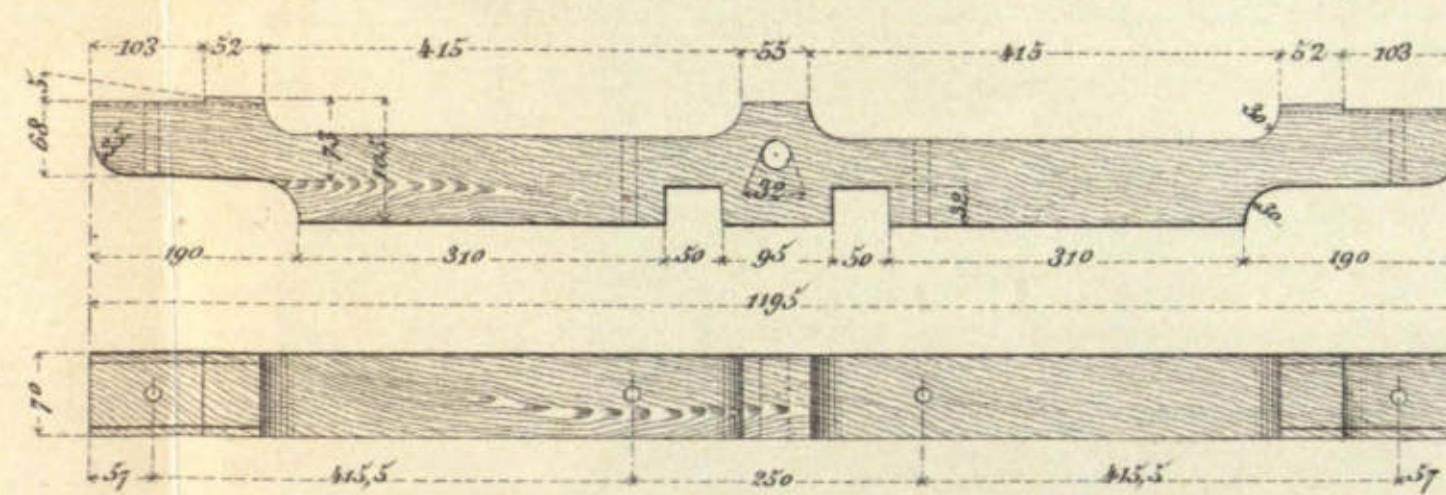
Corte por A. B.



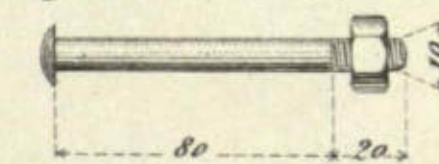
Abrazadera de la caja de herramientas. (E=1/10.)



2 Travesaños externos inferiores del lecho. (E=1/10.)

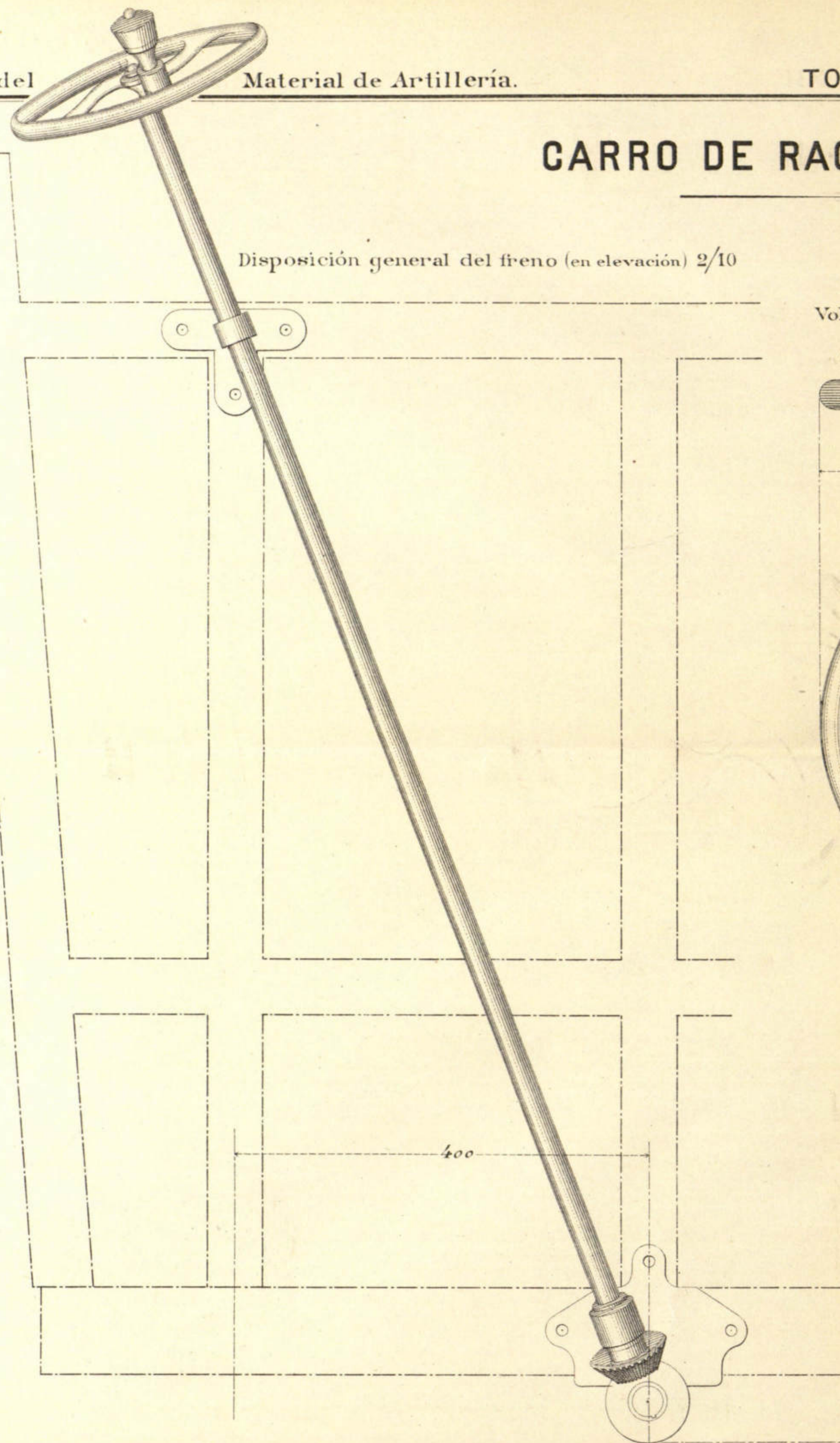


16 Tornillos para el bastidor posterior. (E=3/10.)

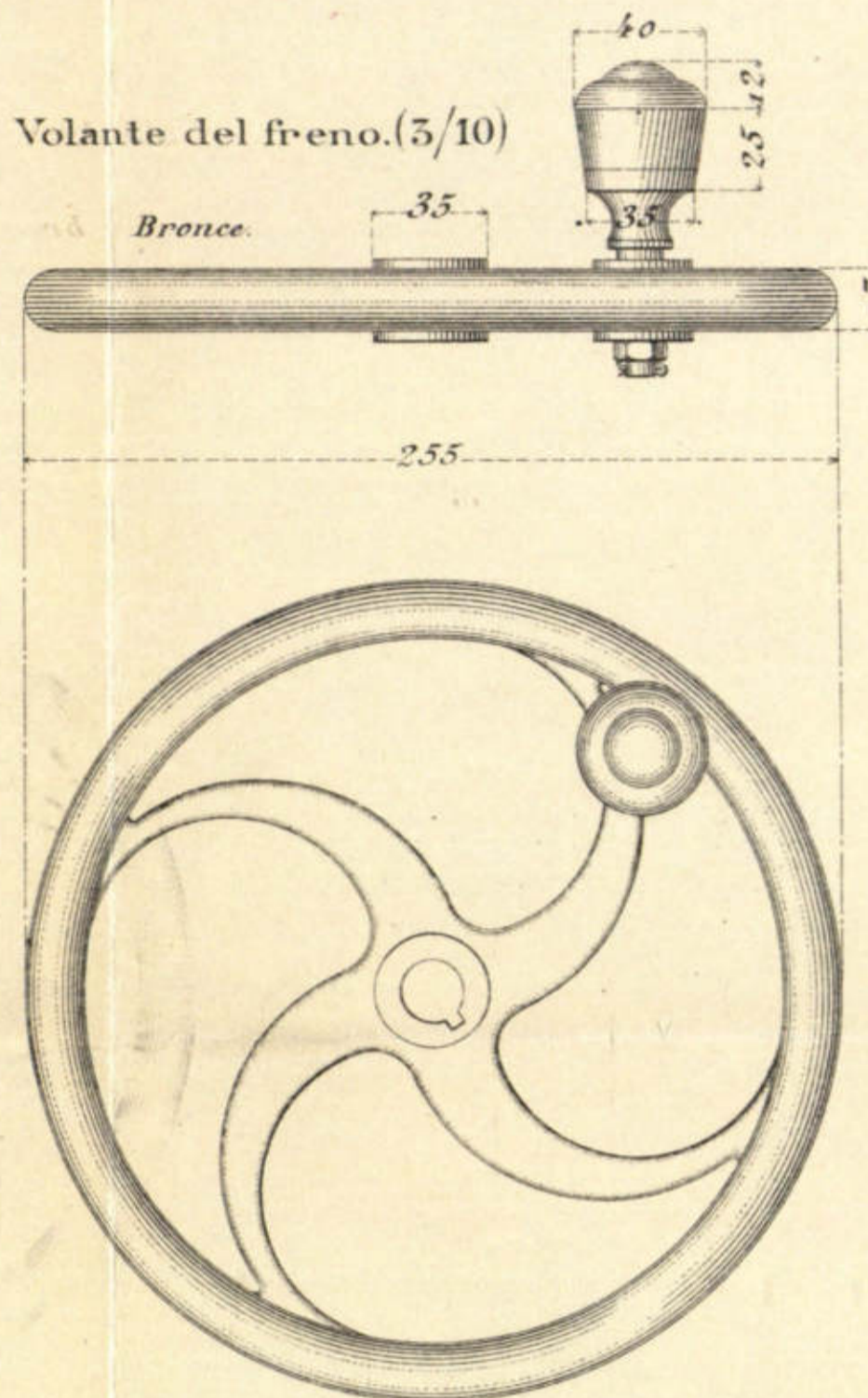


CARRO DE RACIONES Md. 1911.

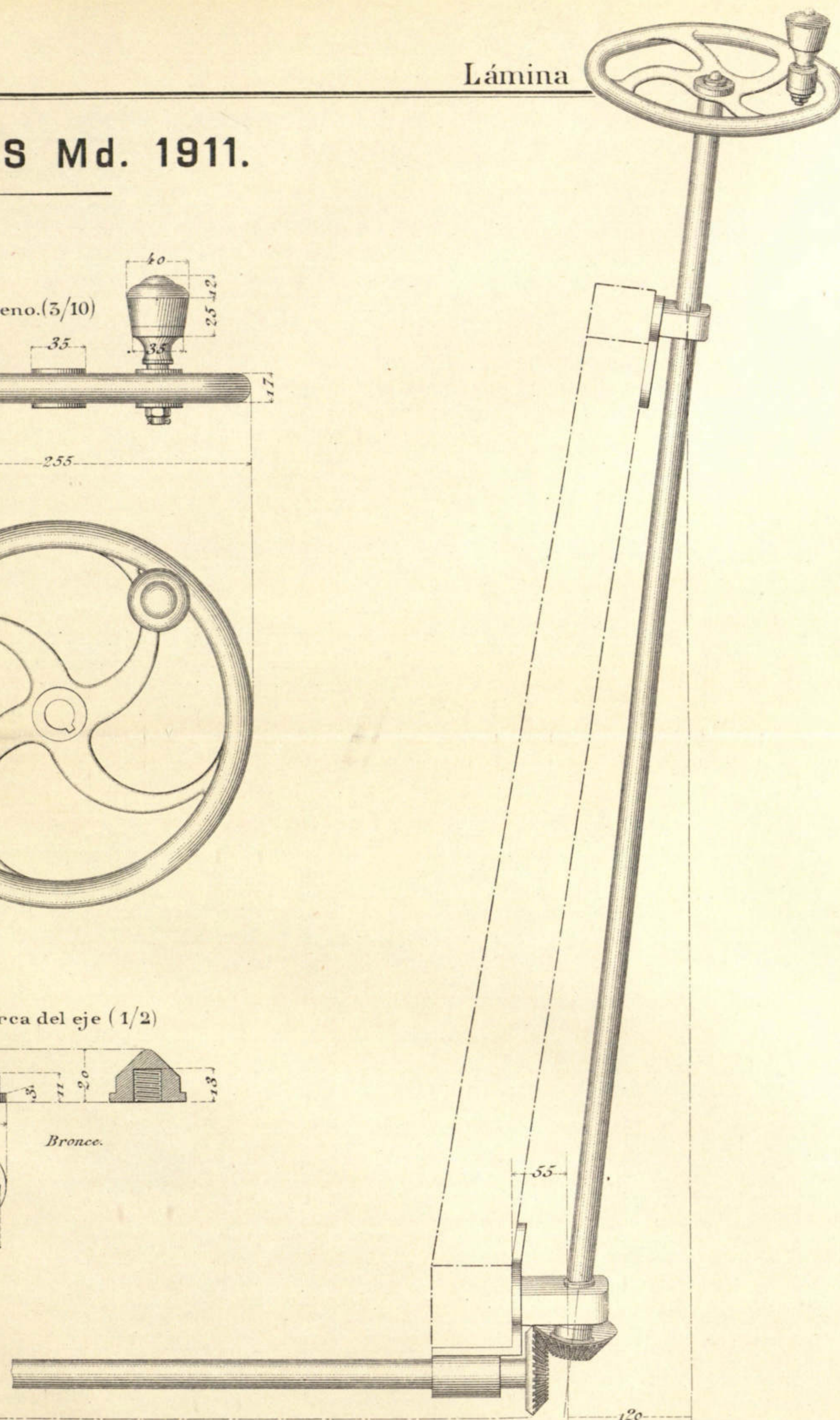
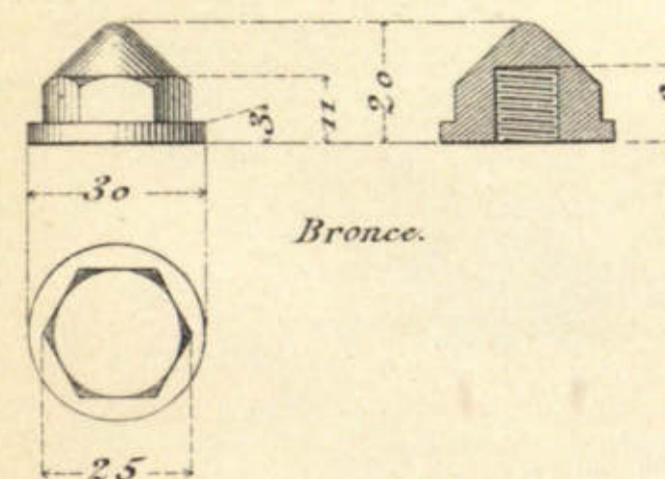
Disposición general del freno (en elevación) 2/10



Volante del freno. (3/10)

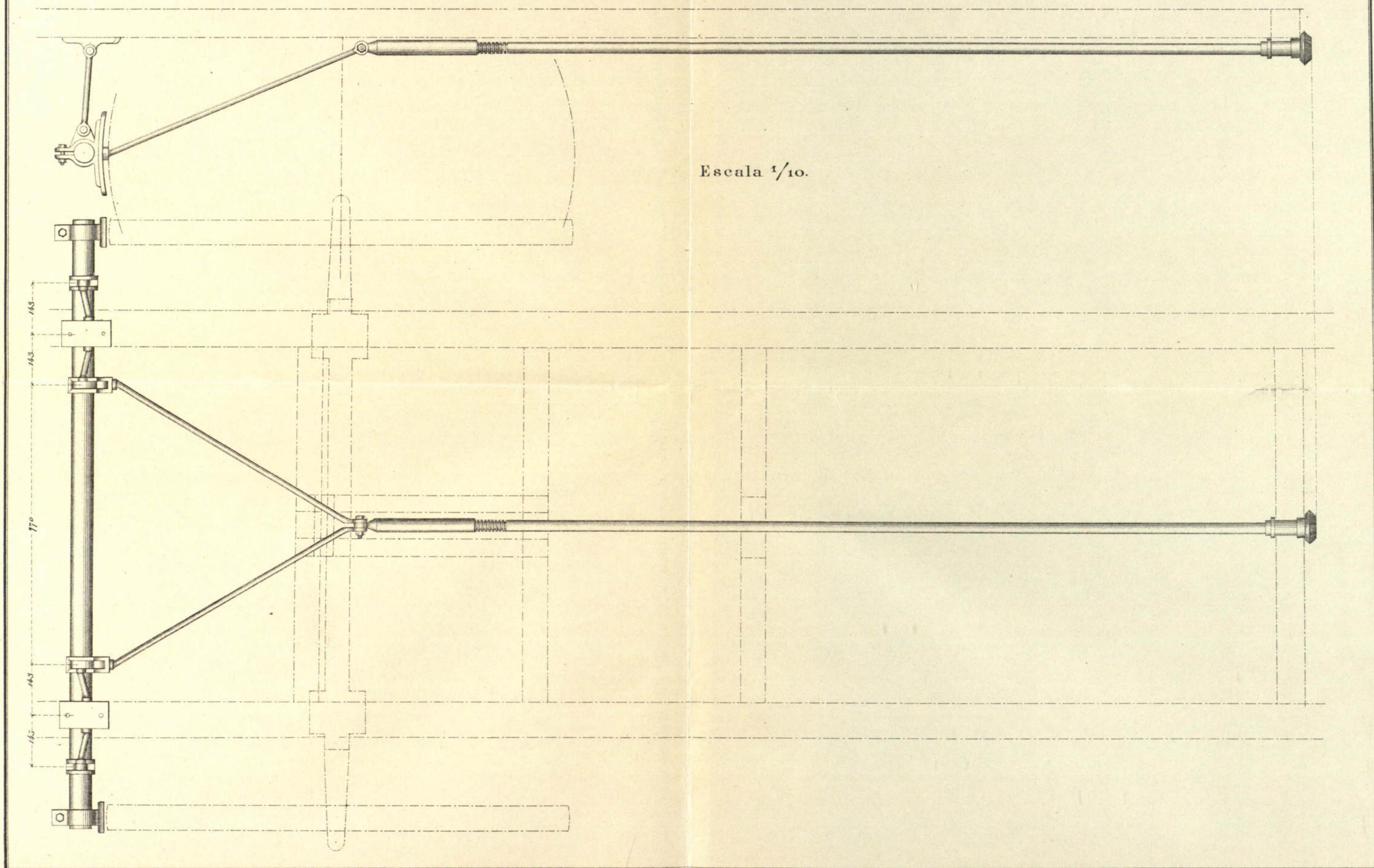


Tuerca del eje (1/2)



CARRO DE RACIONES MODELO 1911.

DISPOSICIÓN GENERAL DEL FRENO.

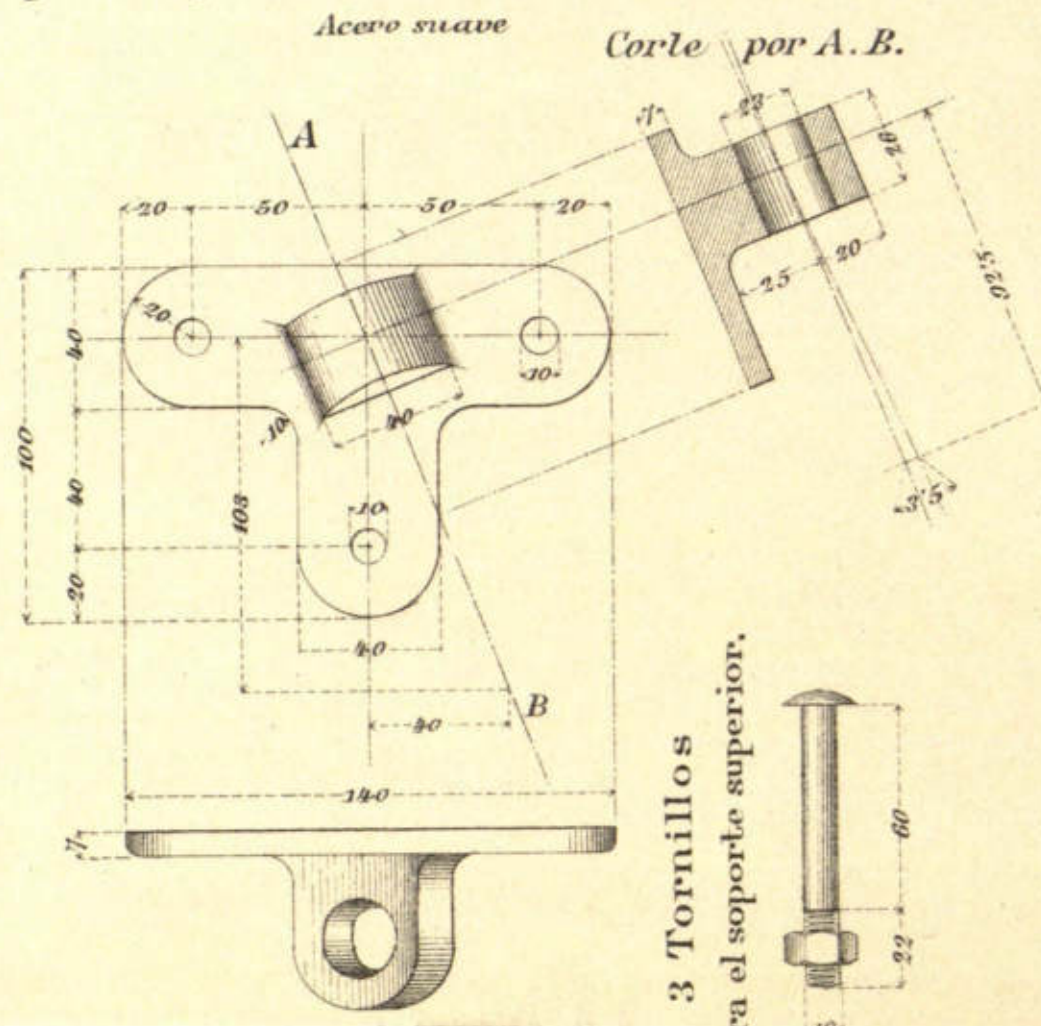


CARRO DE RACIONES MODELO 1911.

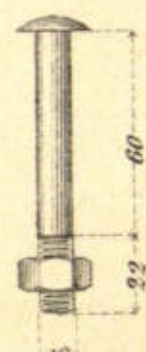
DETALLES.

Escala 3/10.

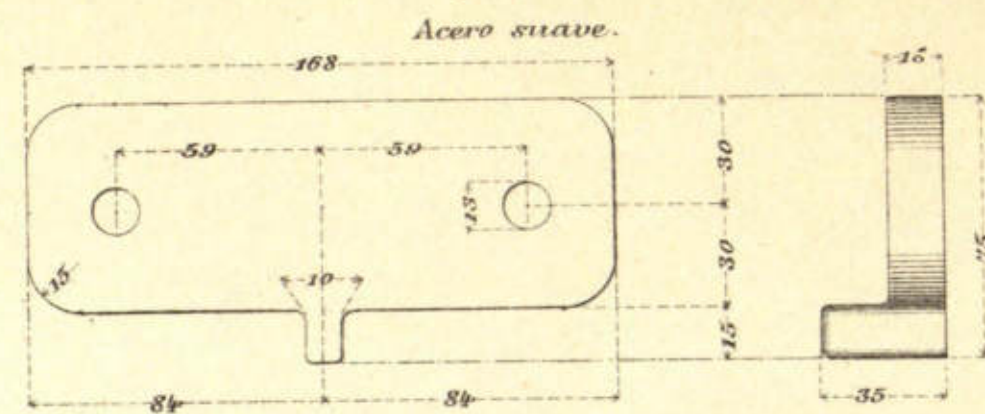
Soporte superior para el eje de mando del freno.



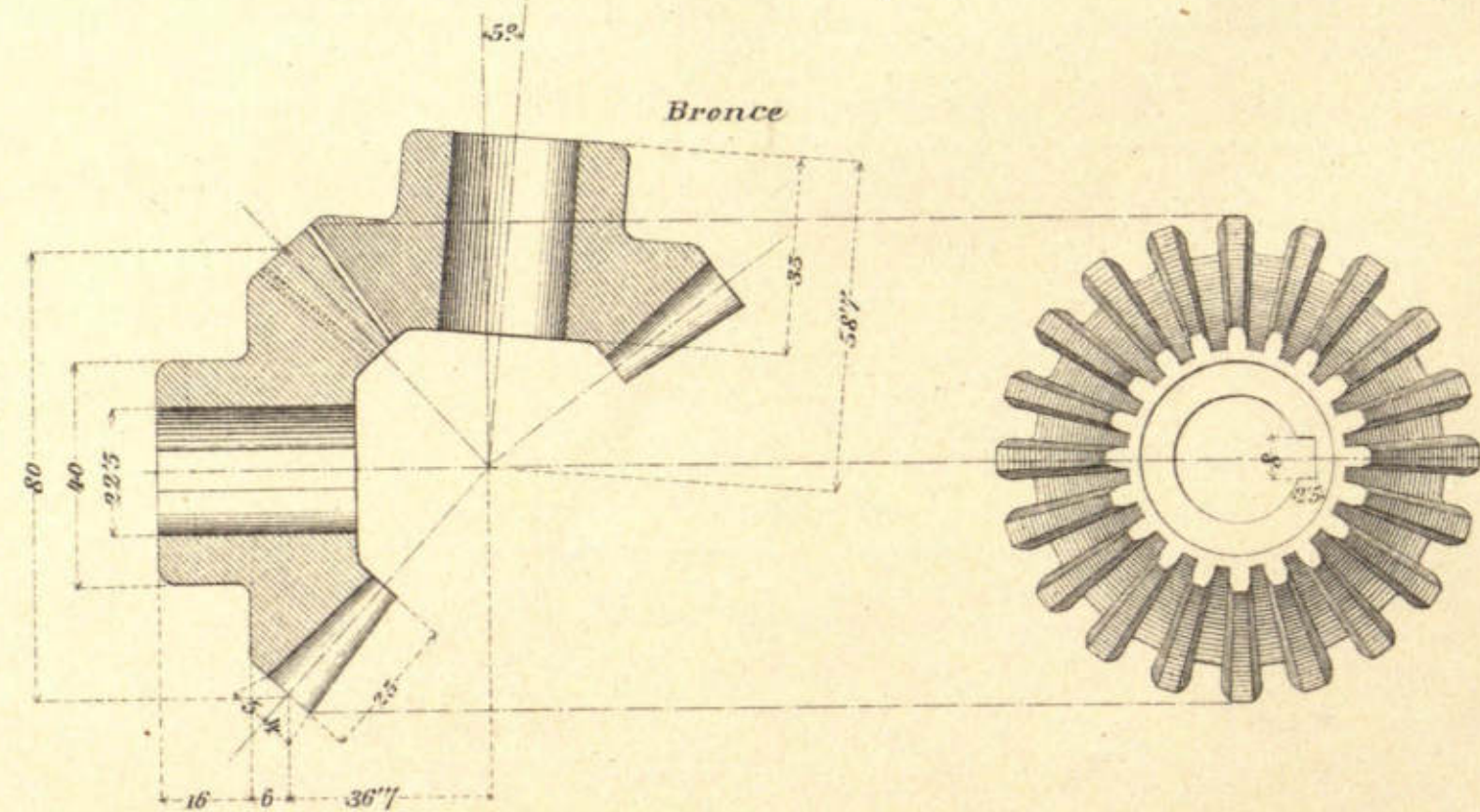
3 Tornillos para el soporte superior.



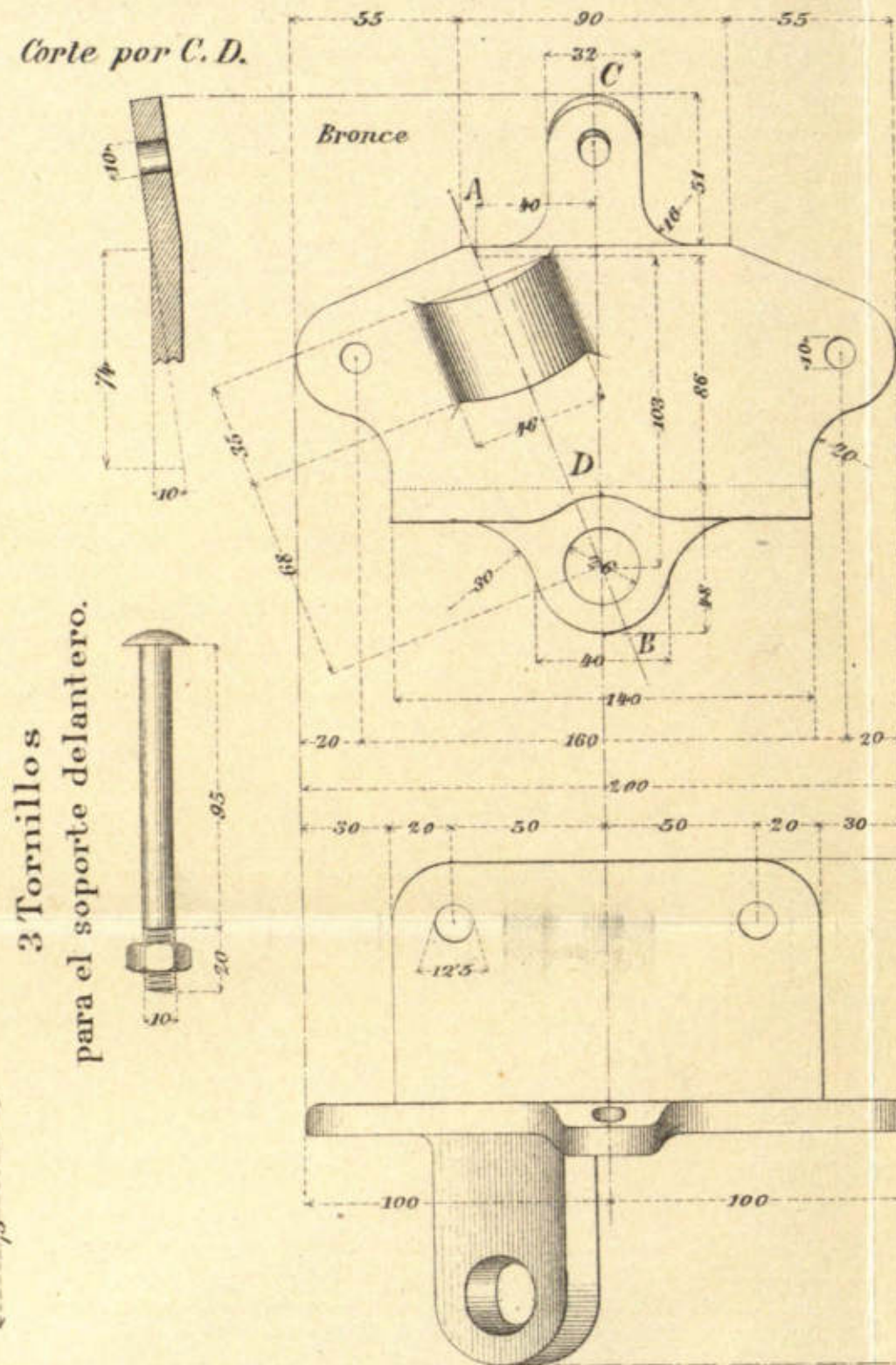
Retenida para el freno.



2 Piñones. (E=1/2.)



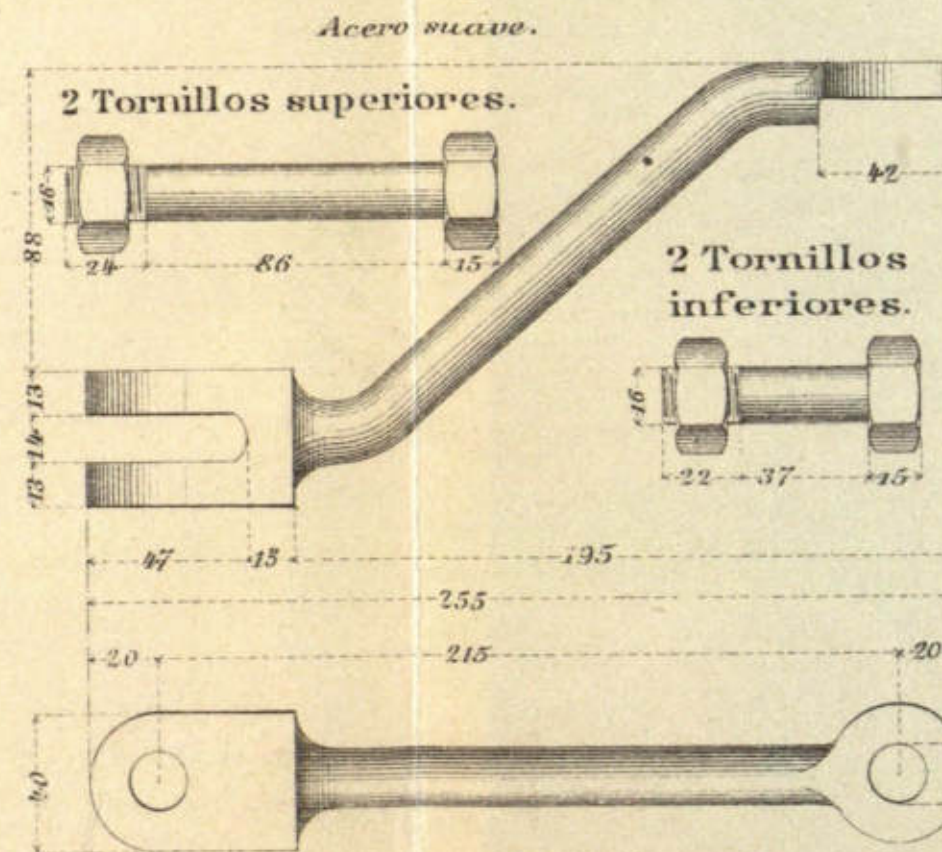
Soporte delantero para el eje central del freno.



3 Tornillos para el soporte delantero.



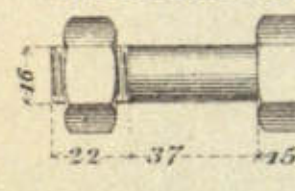
4 Ganchos de suspensión del freno.



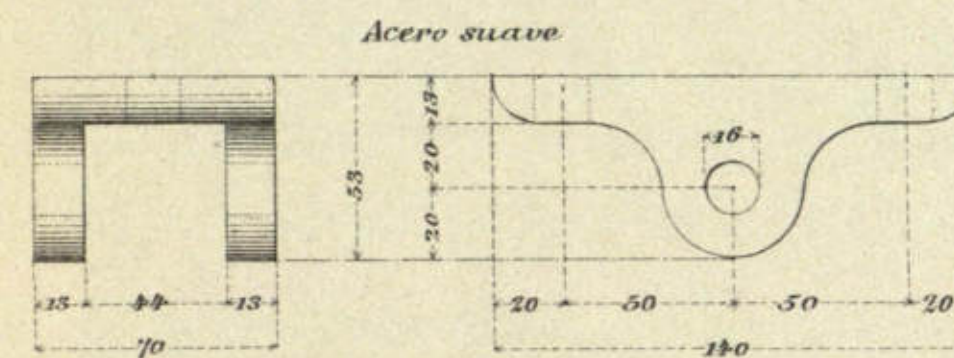
2 Tornillos superiores.



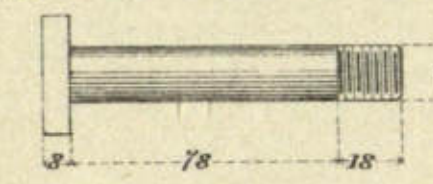
2 Tornillos inferiores.



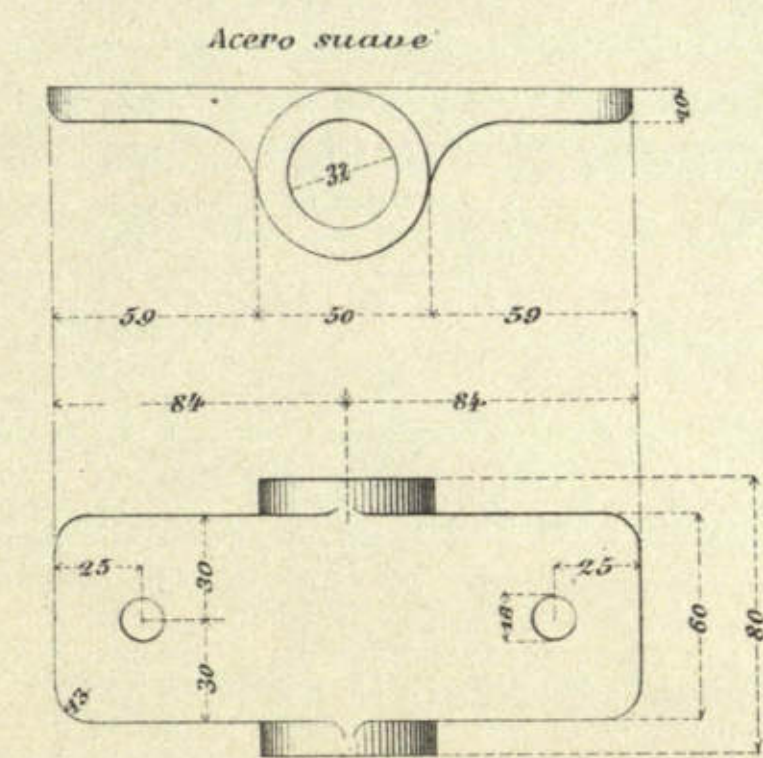
2 Soportes de gancho de suspensión.



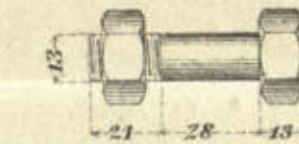
4 Tornillos para soporte de gancho de suspensión.



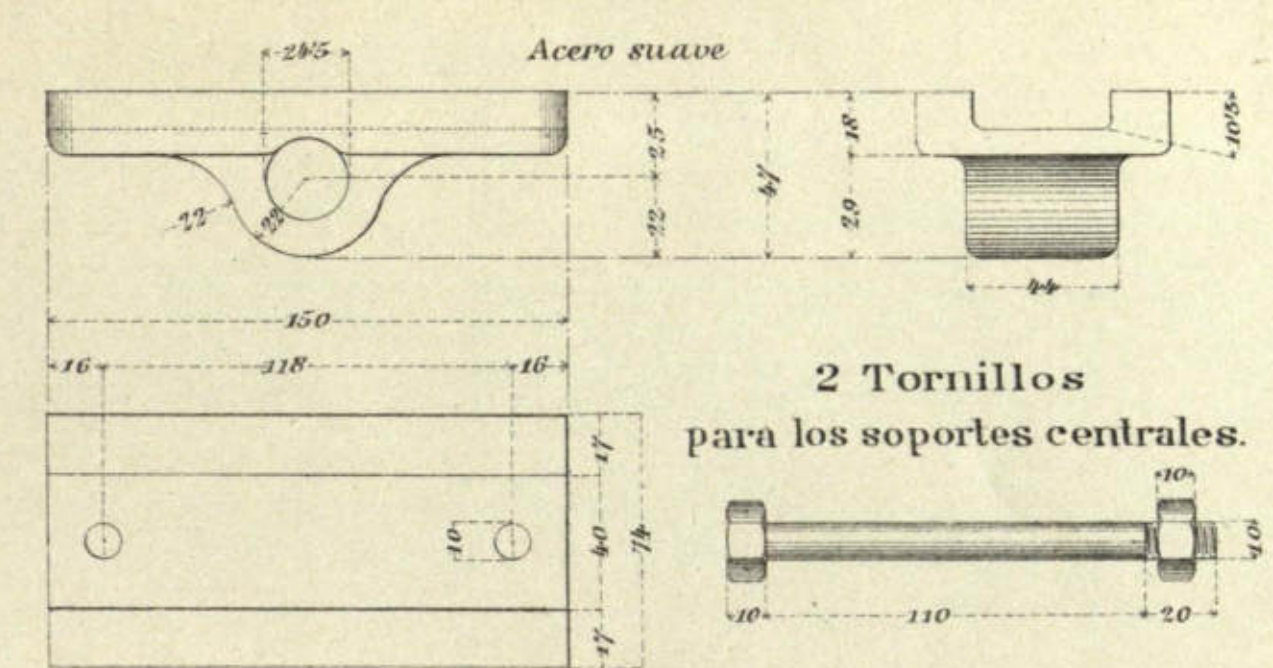
Soporte trasero para el eje de transmisión del freno.



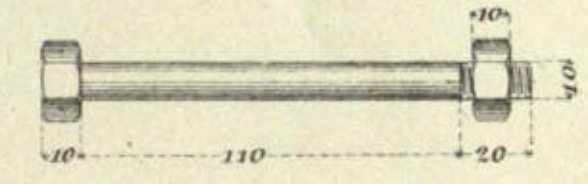
4 Tornillos para el enganche trasero.



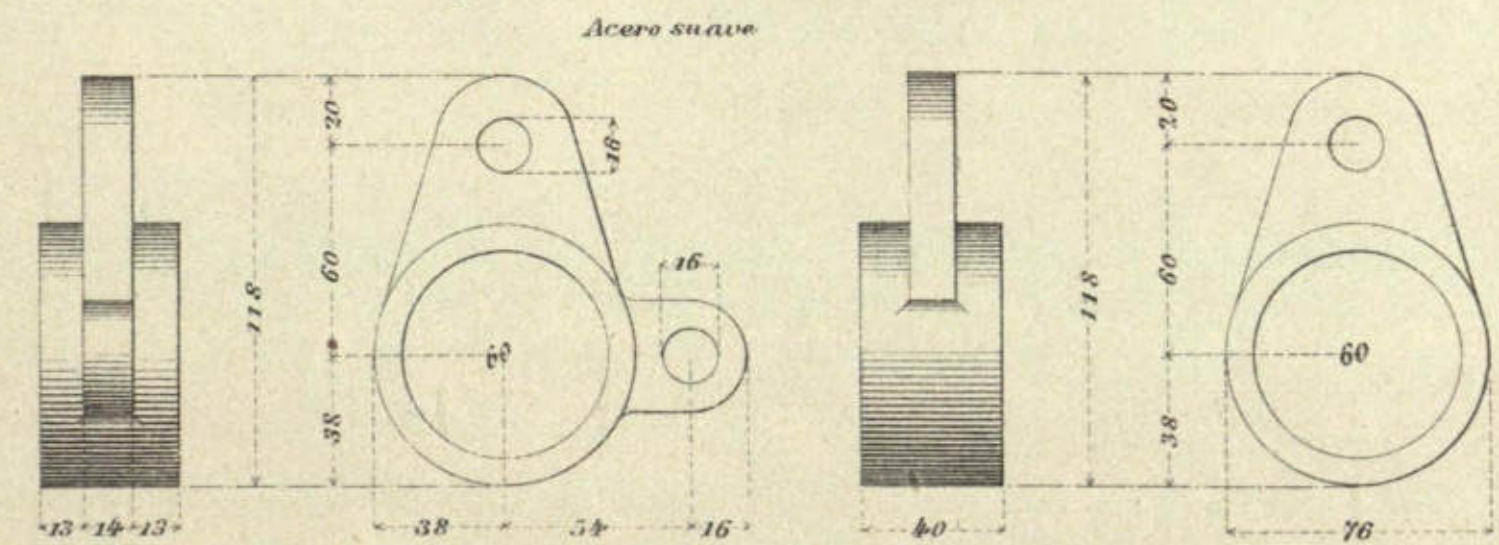
Soportes centrales para el eje de transmisión del freno.



2 Tornillos para los soportes centrales.



2 Enganches de los tirantes.



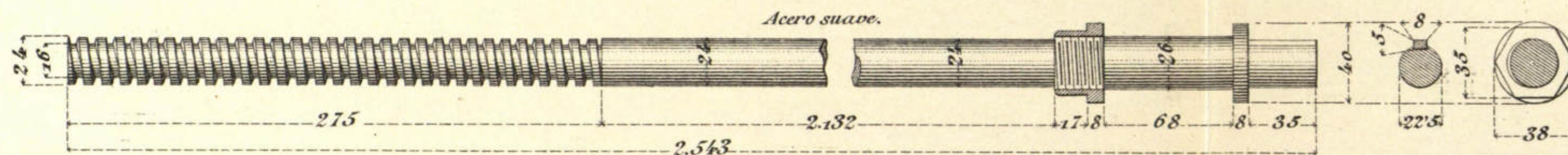
CARRO DE RACIONES MODELO 1911.

DETALLES

Escala $\frac{5}{10}$

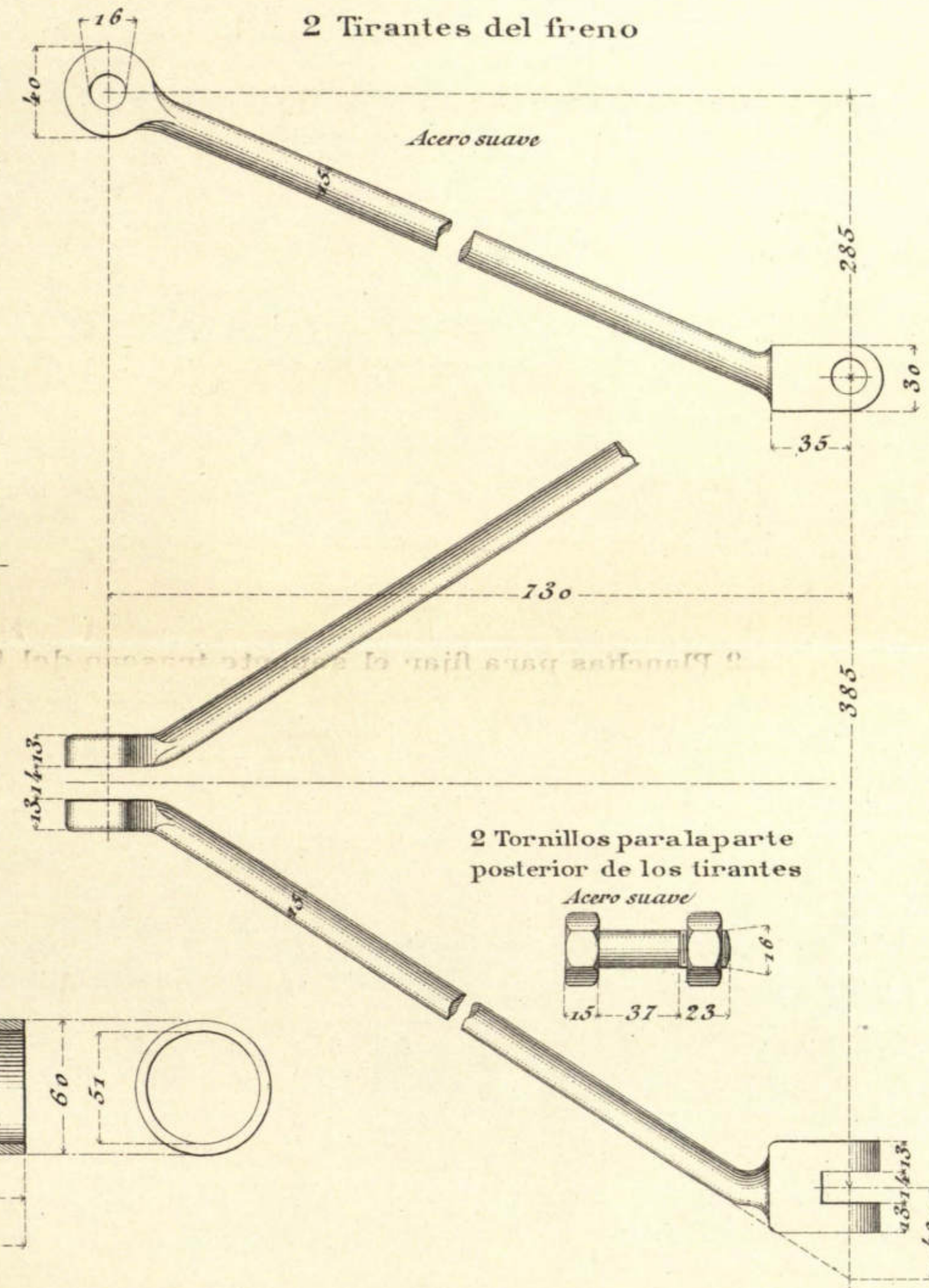
Husillo del freno.

Acero suave.



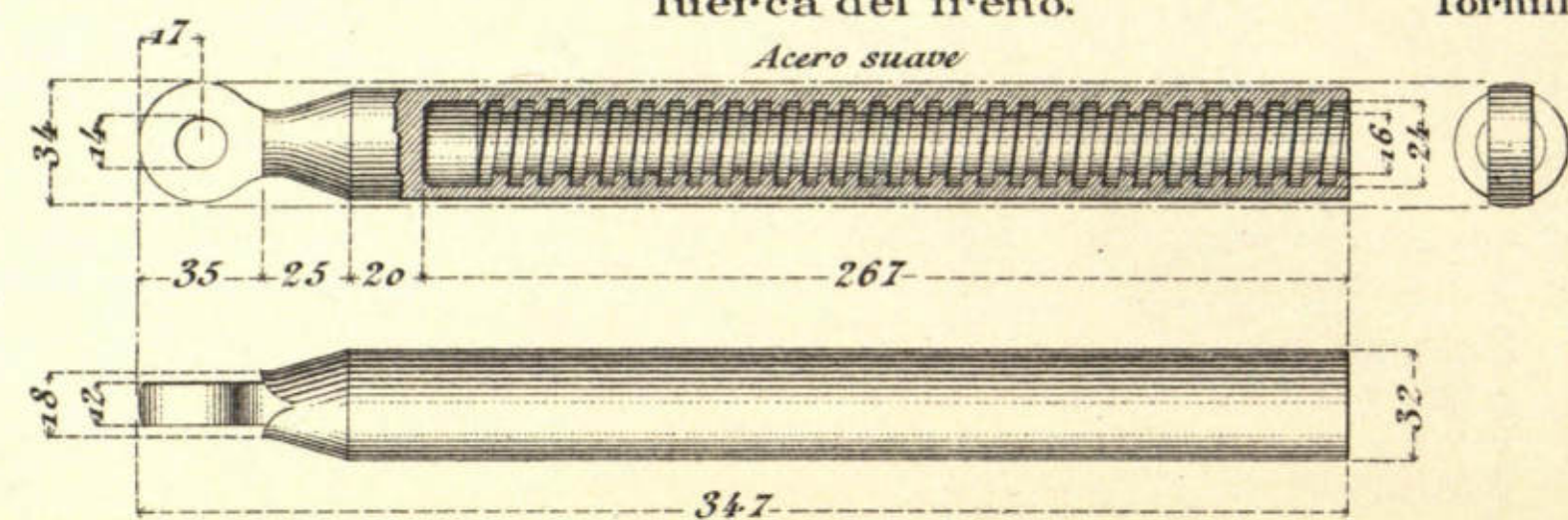
2 Tirantes del freno

Acero suave



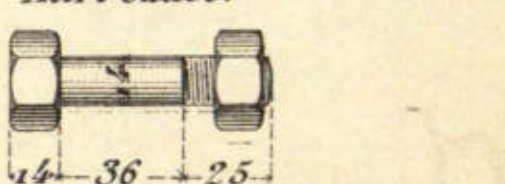
Tuerca del freno.

Acero suave



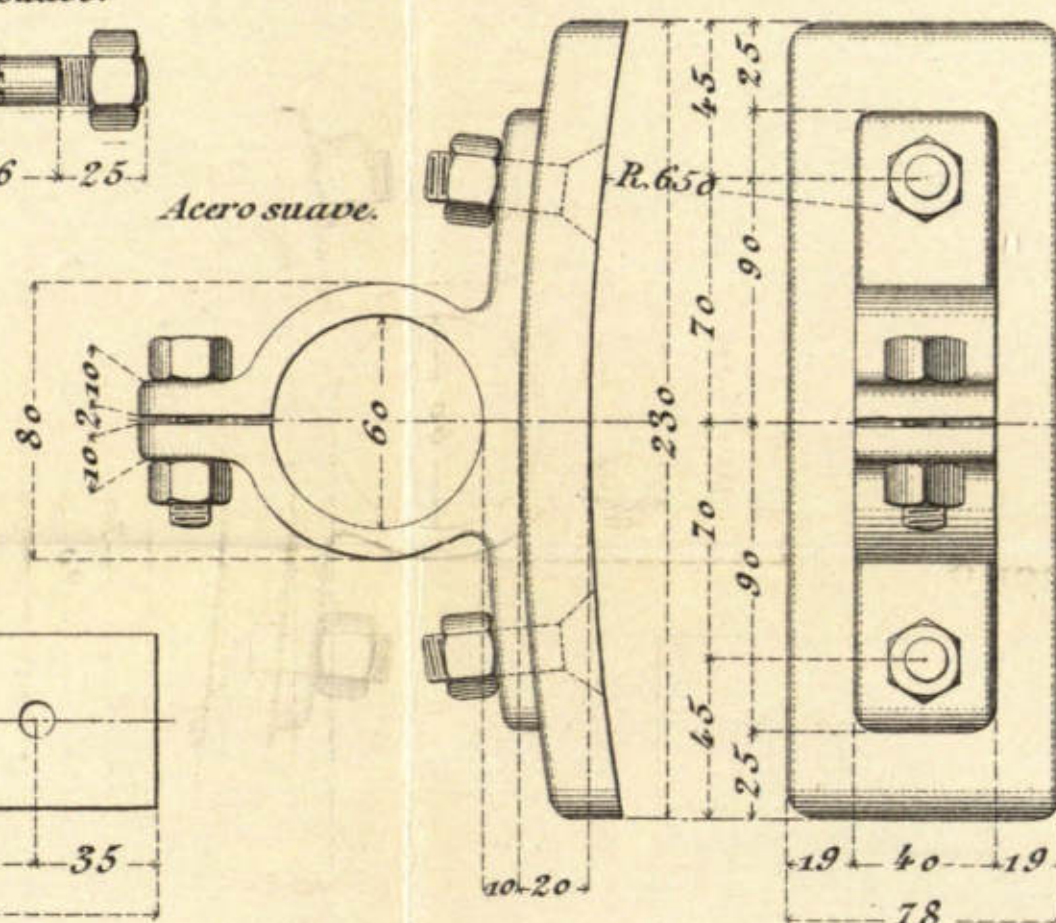
Tornillo de la tuerca del freno.

Acero suave.



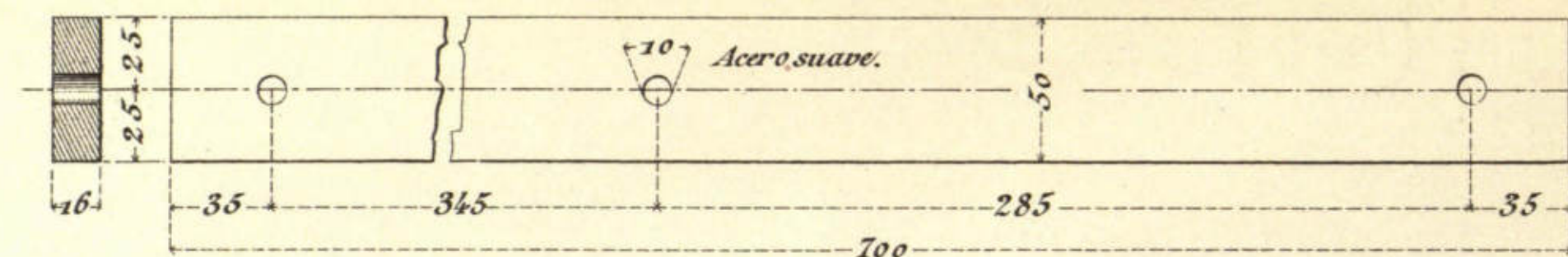
2 Rozaderos

Acero suave.



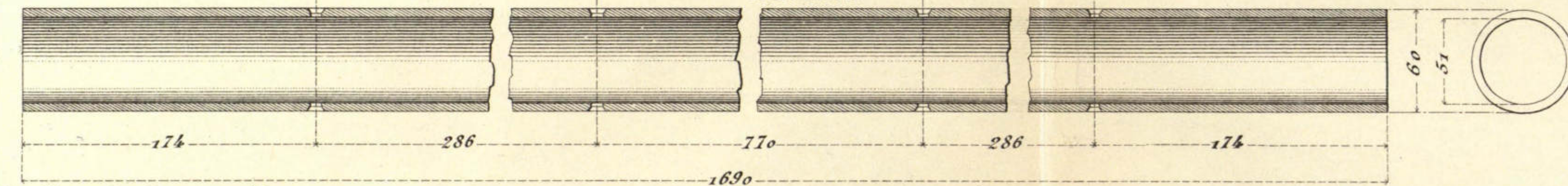
2 Planchas para fijar el soporte trasero del freno.

Acero suave.

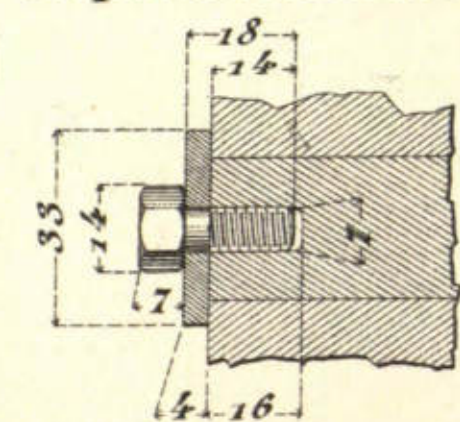


Tubo de los rozaderos.

Acero suave.



Tornillo y volandera para fijar los piñones del freno. (1/2)

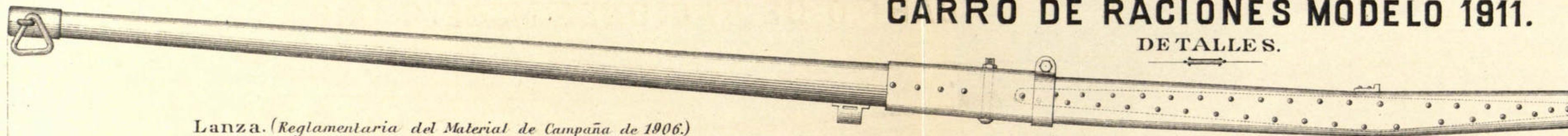


Eje de mando

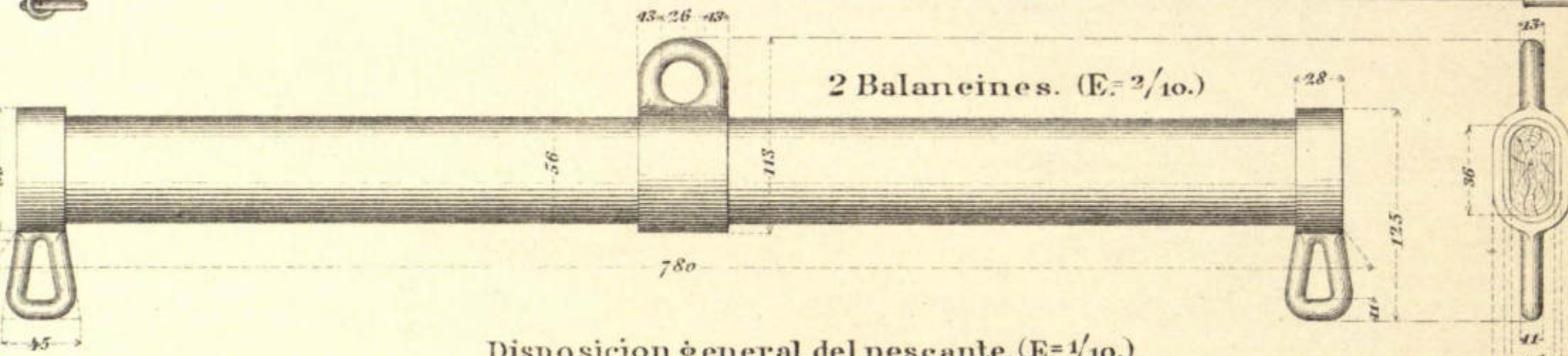
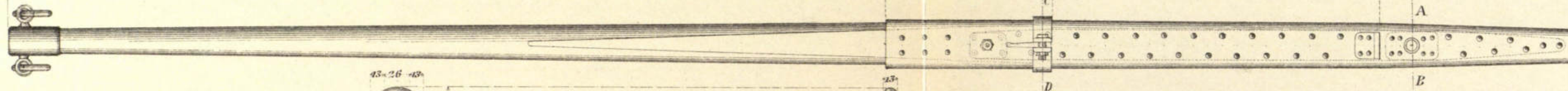
Acero suave



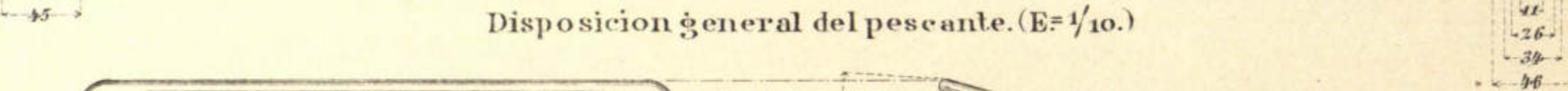
CARRO DE RACIONES MODELO 1911. DE TALLE S.



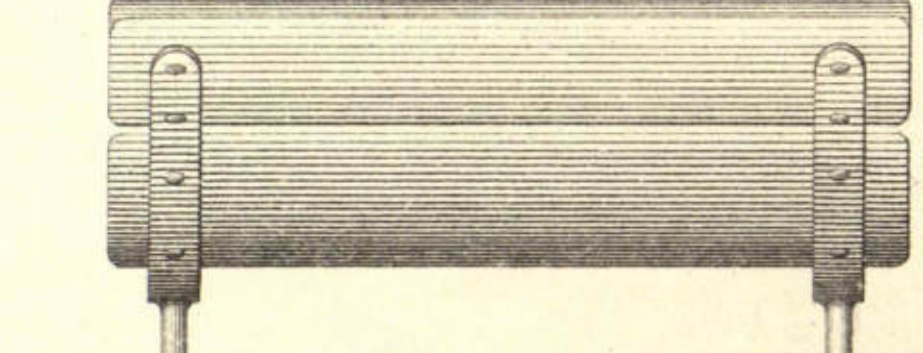
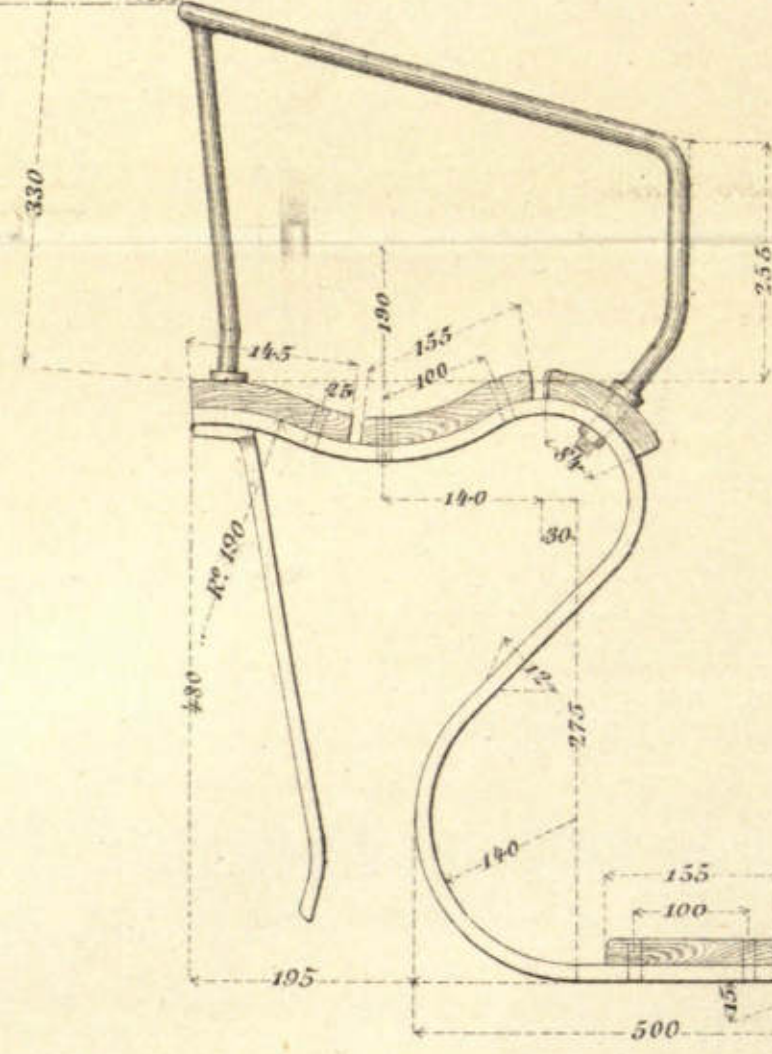
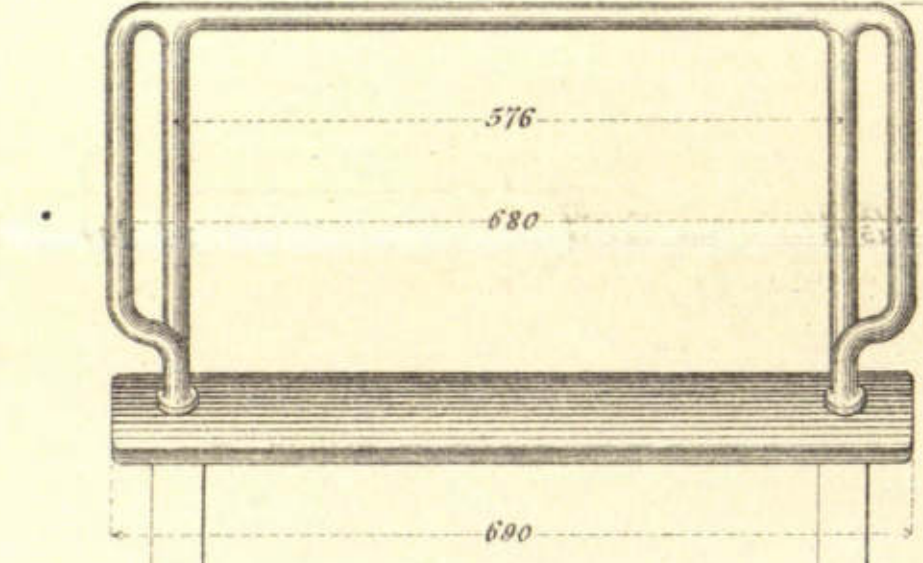
Lanza. (Reglamentaria del Material de Campaña de 1906.)



2 Balancines. (E= 2/10.)



Disposicion general del pescante. (E= 1/10.)

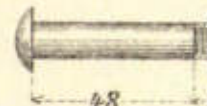
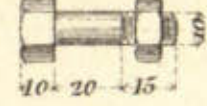
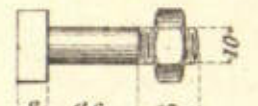


10 Tornillos para el pescante

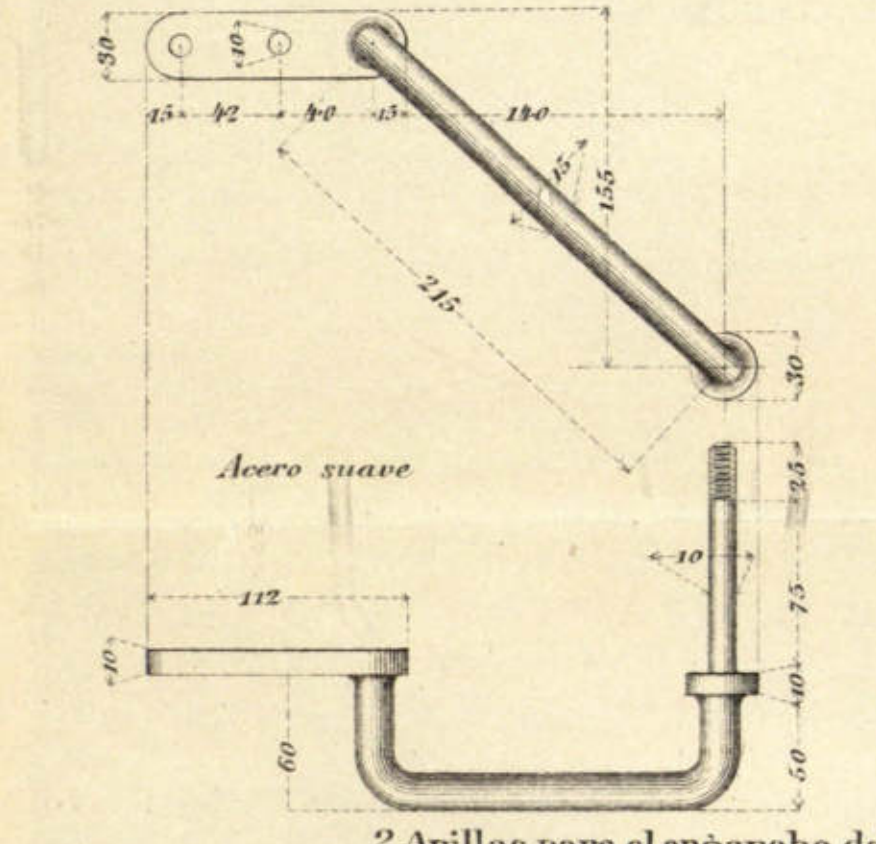
4 Tornillos para las teleras.

8 Tornillos para el pescante

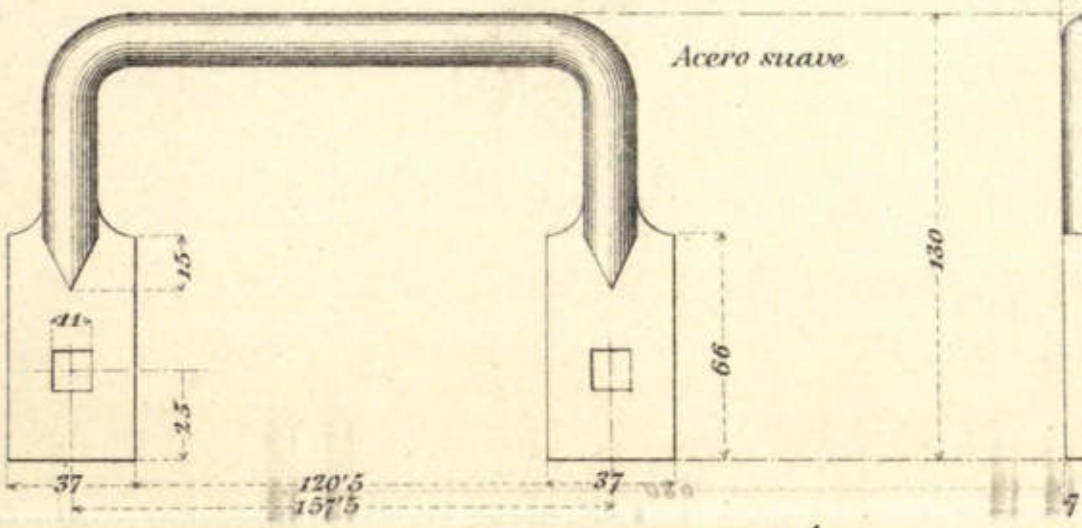
4 Tornillos para las agarraderas.



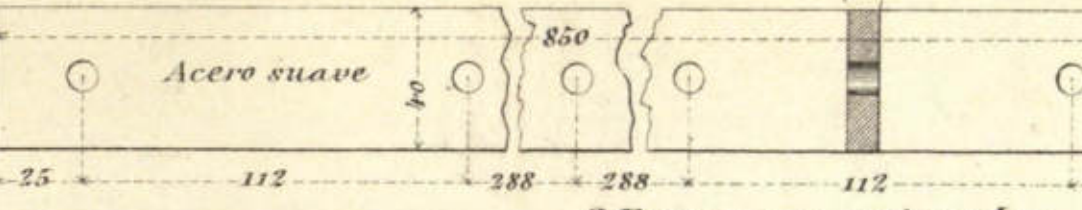
Agarradera de subida al pescante. (E= 2/10.)



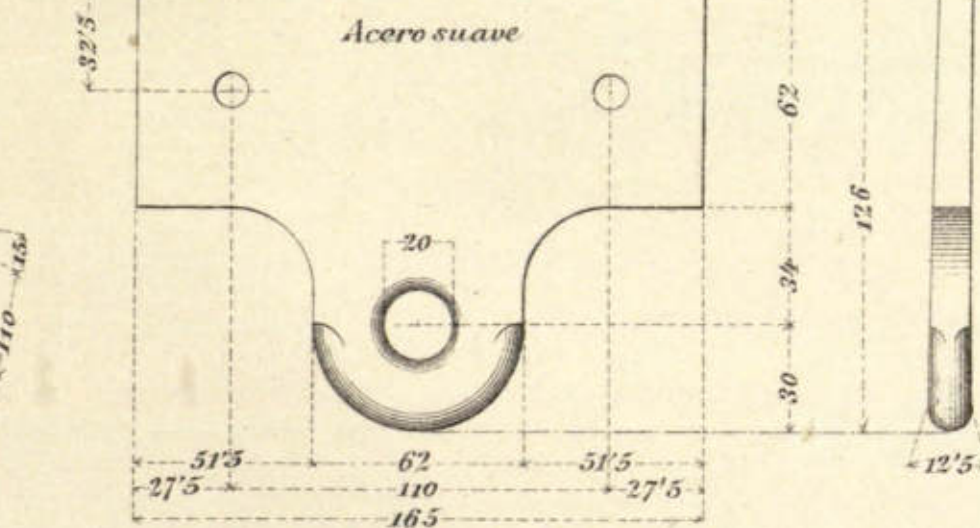
2 Agarraderas de subida al pescante. (E= 3/10.)



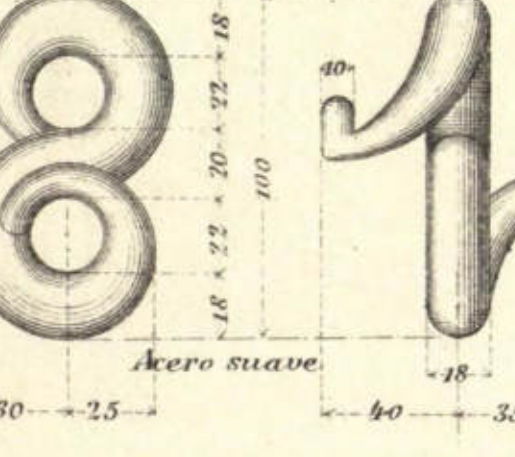
2 Teleras de sujeción. (E= 3/10.)



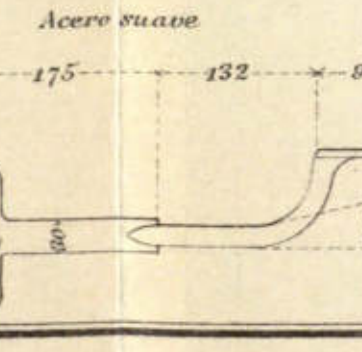
2 Anillas para el enganche de los balancines. (E= 3/10.)



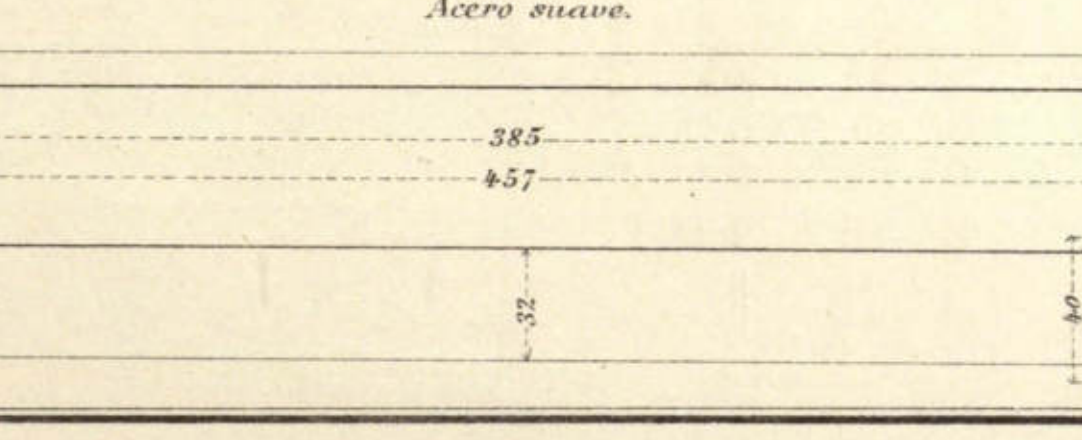
2 Eses para enganche de los balancines. (E= 3/10.)



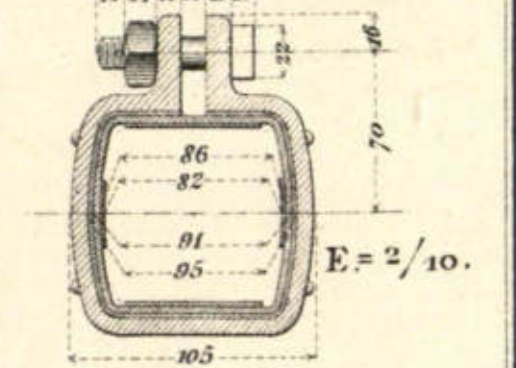
Tirante del bastidor anterior. (E= 1/10.)



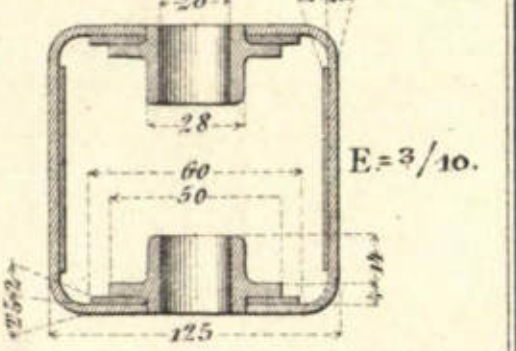
2 Soportes posteriores del asiento. (E= 3/10.)



Sección por A.B.

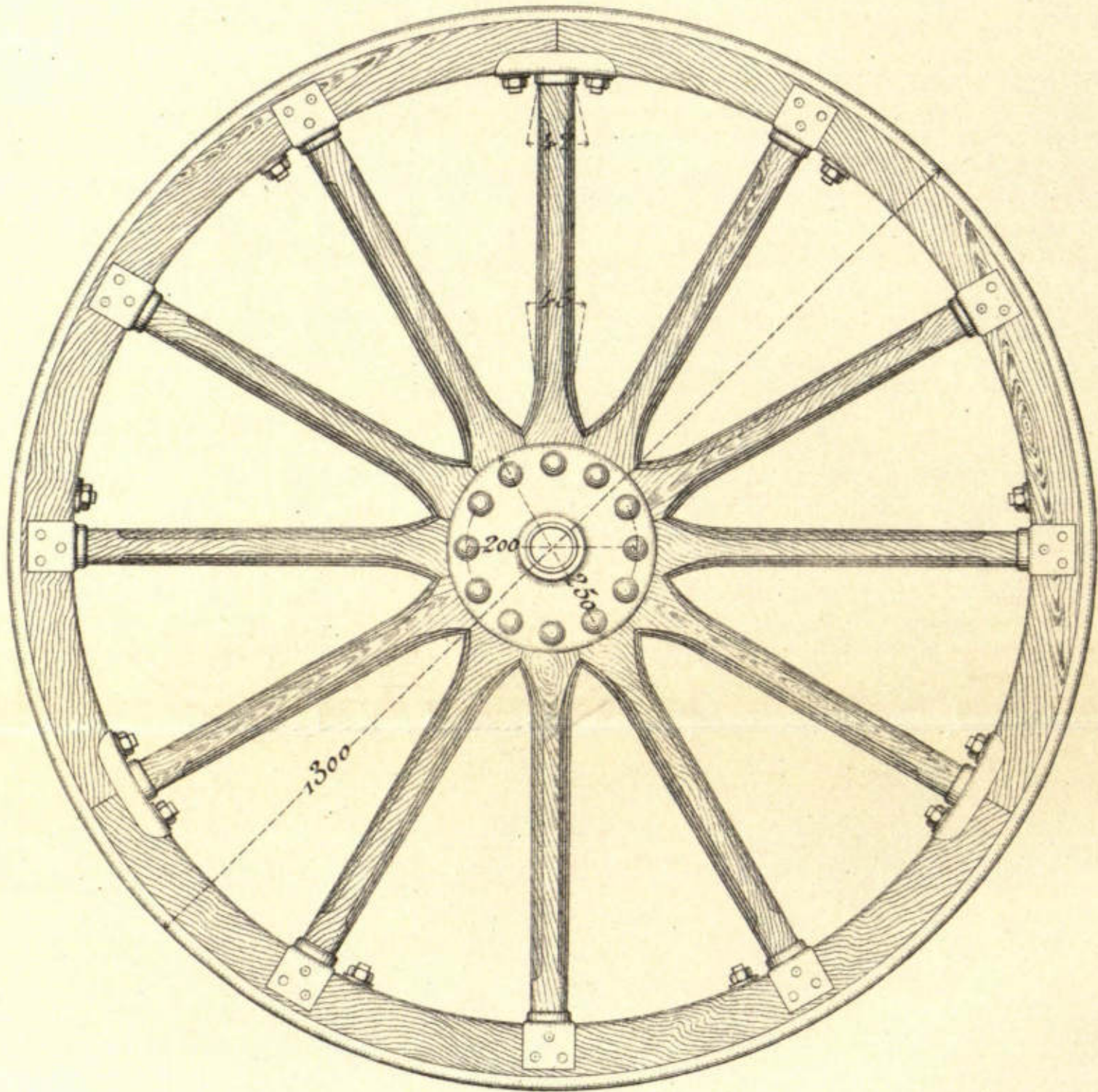


Sección por C.D.

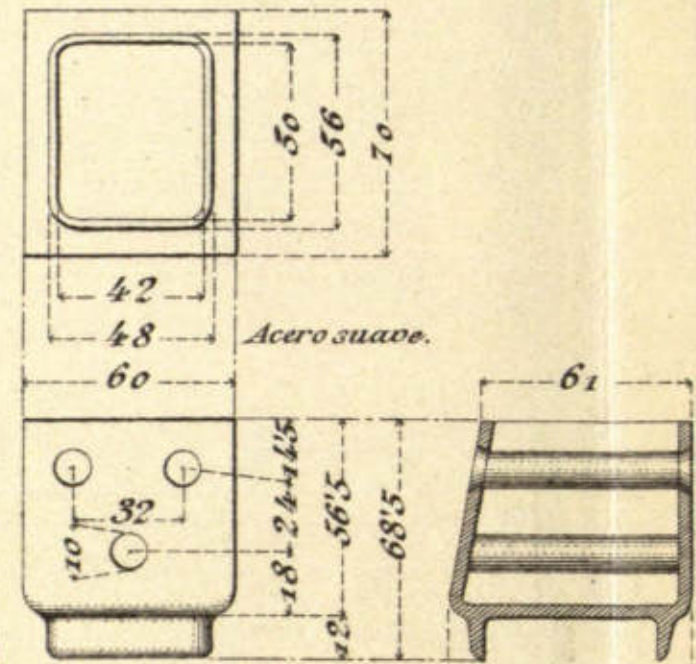


CARRO DE RACIONES MODELO 1911.

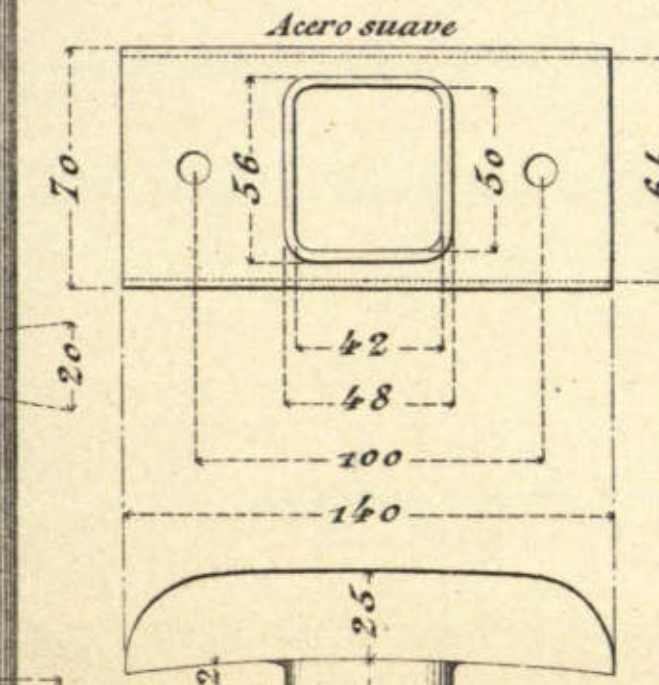
2 Ruedas traseras (1/10)



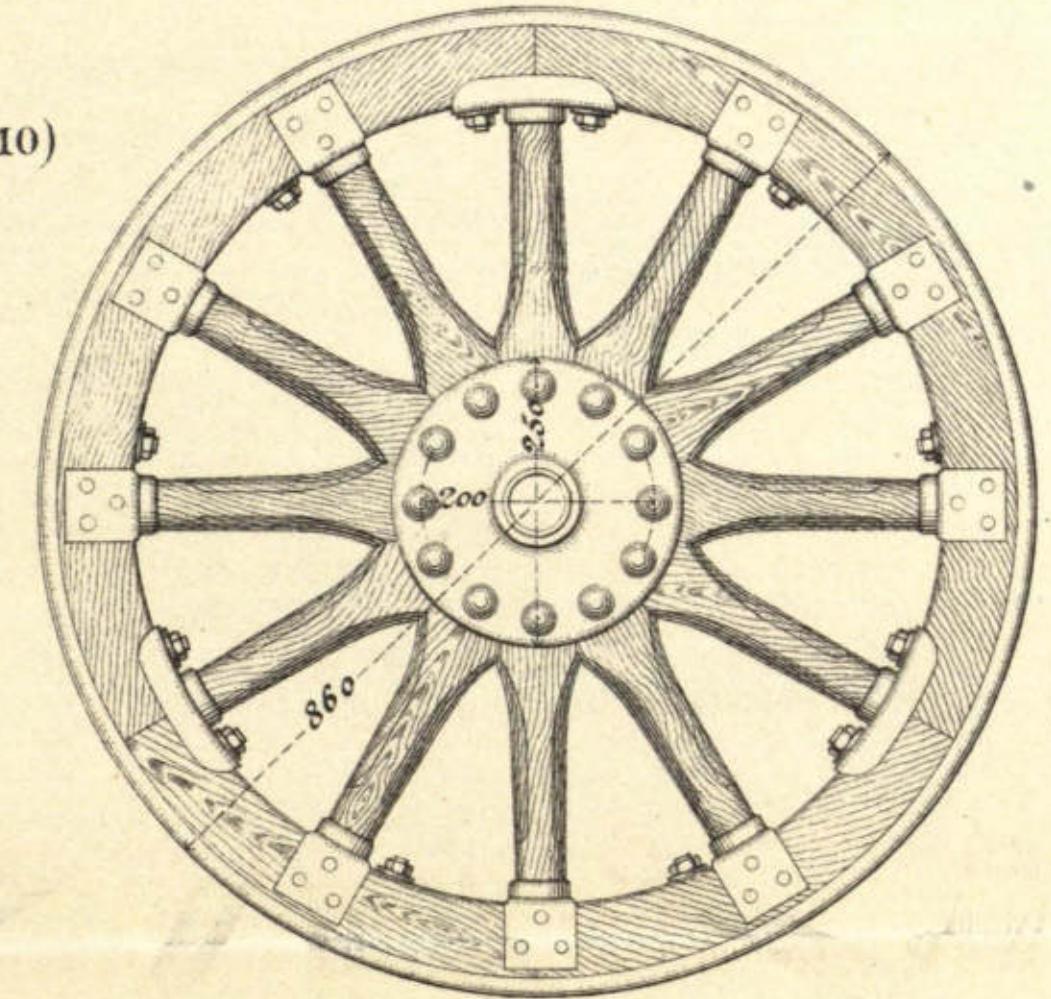
Casquillo de unión de rayos (3/10)



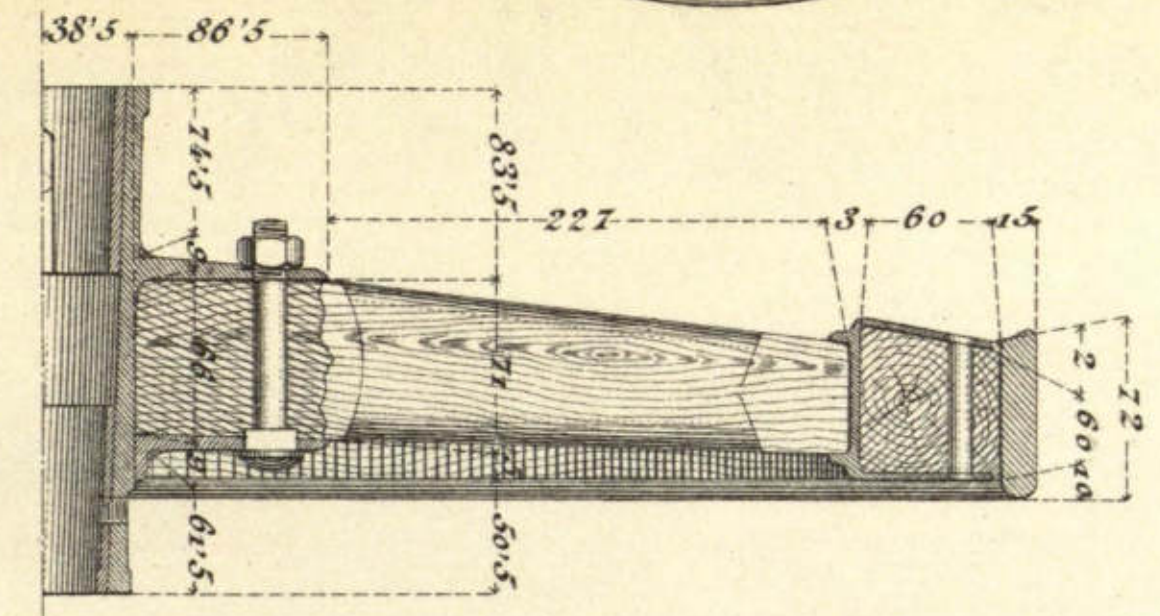
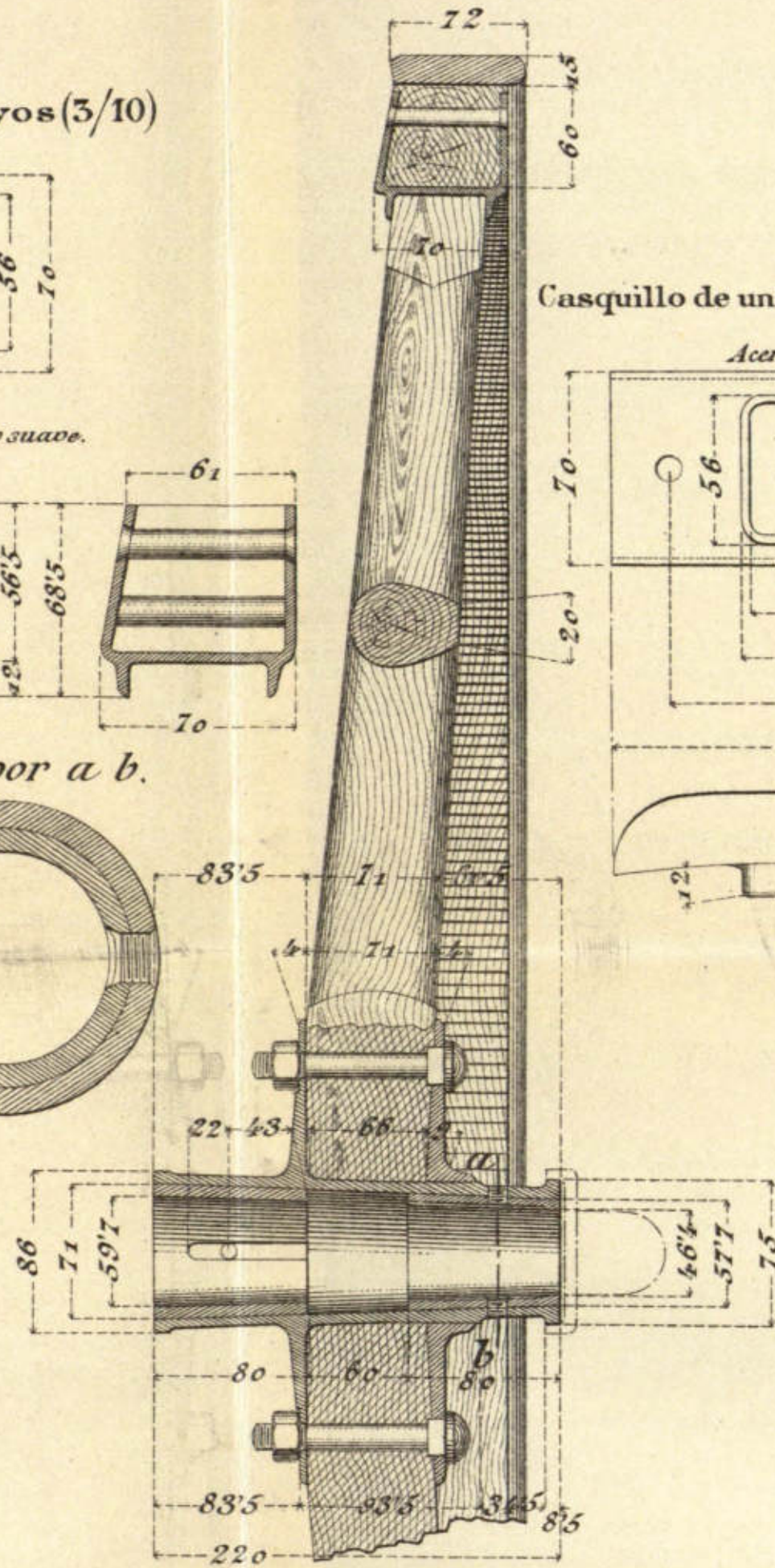
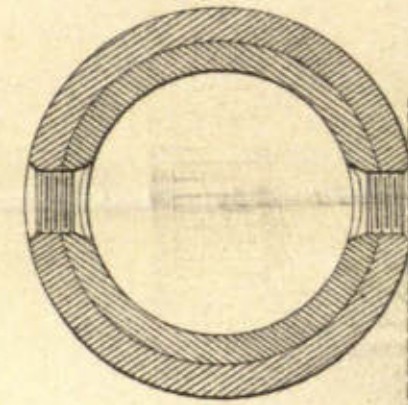
Casquillo de unión de piezas (3/10)



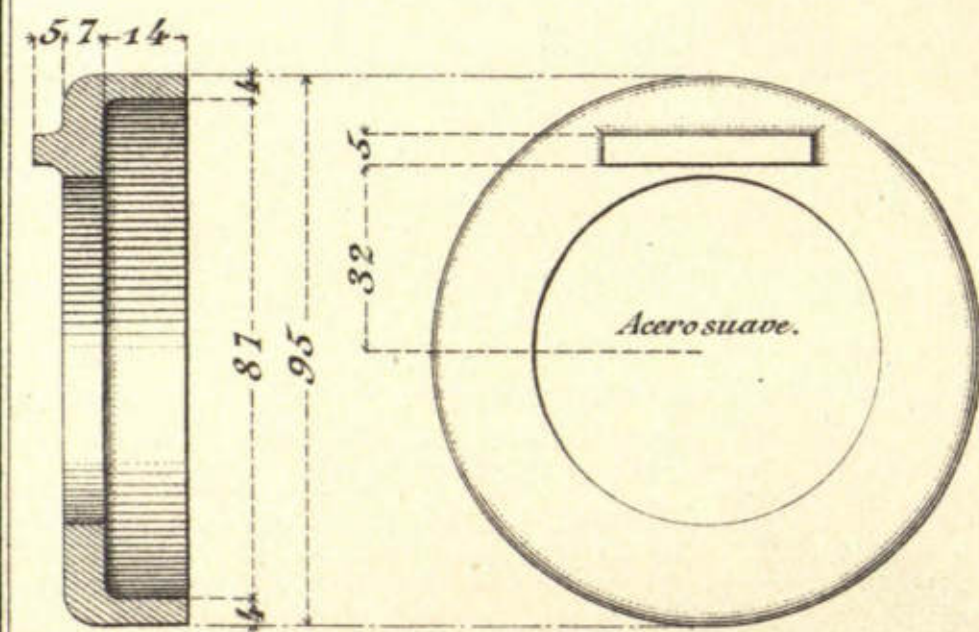
2 Ruedas delanteras (1/10)



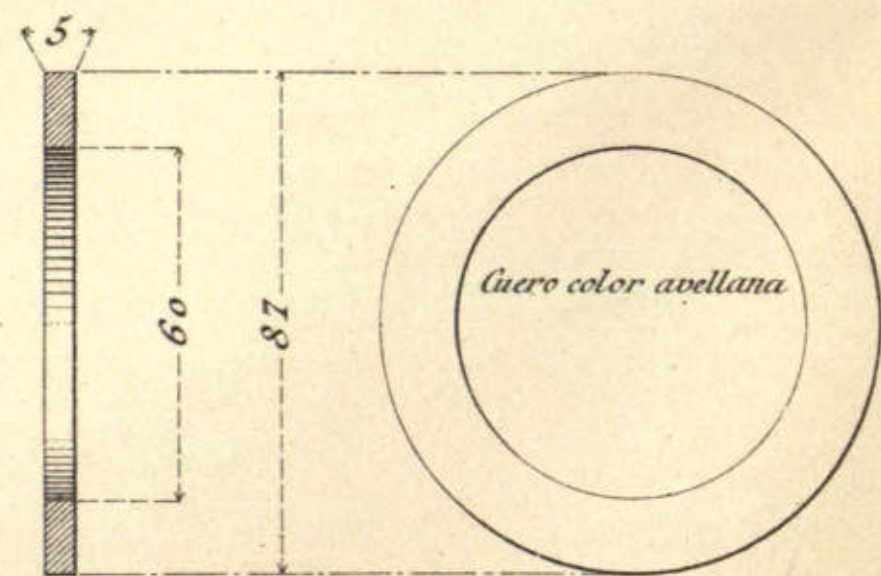
Corte por a b.



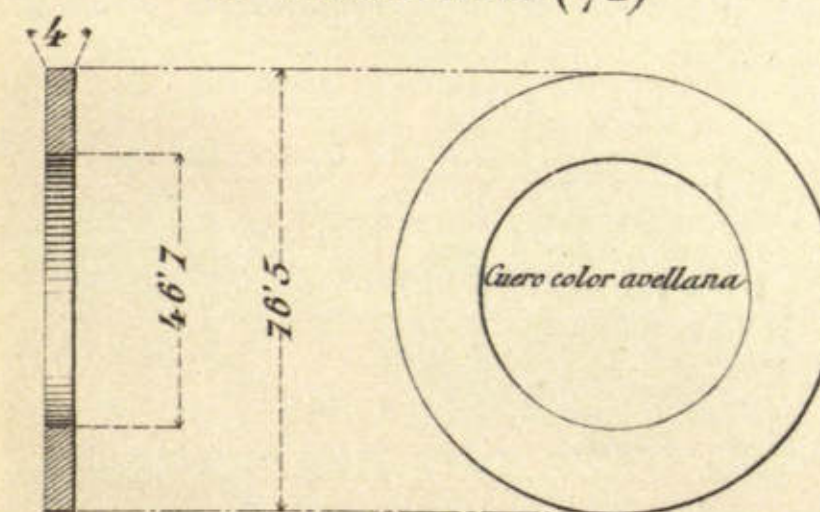
4 Volanderas guarda polvo interior. (1/2)



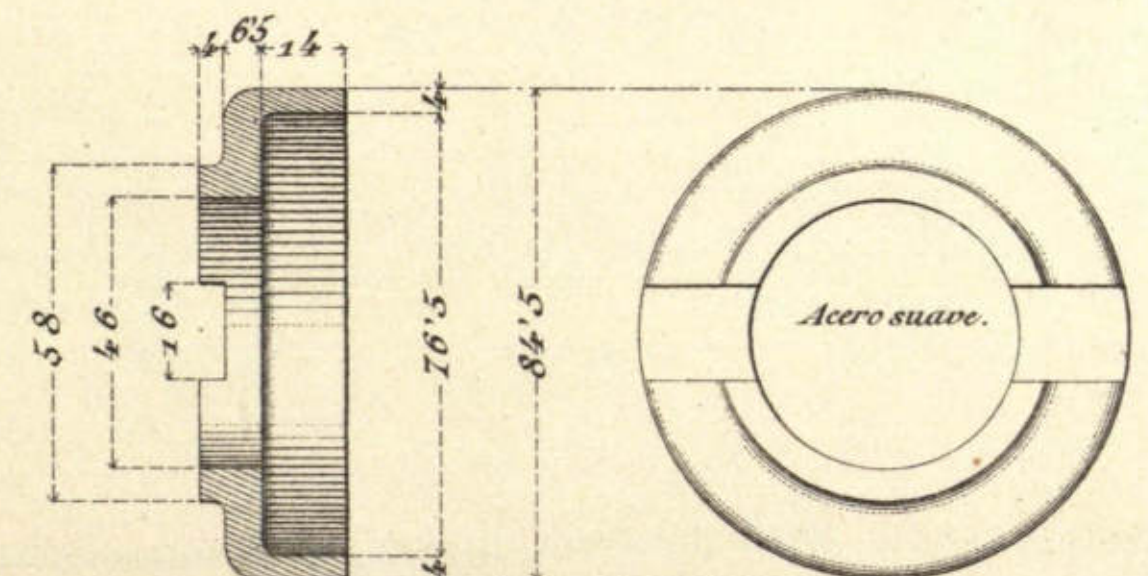
4 Volanderas (1/2)



4 Volanderas (1/2)



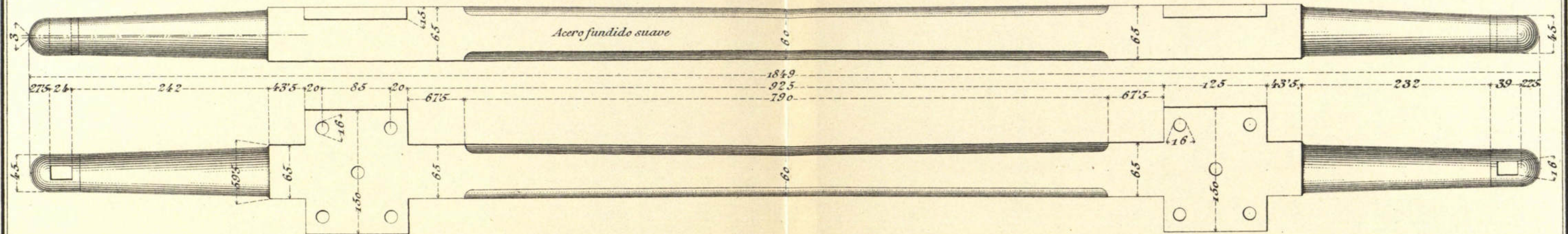
4 Volanderas guardapolvo exterior. (1/2)



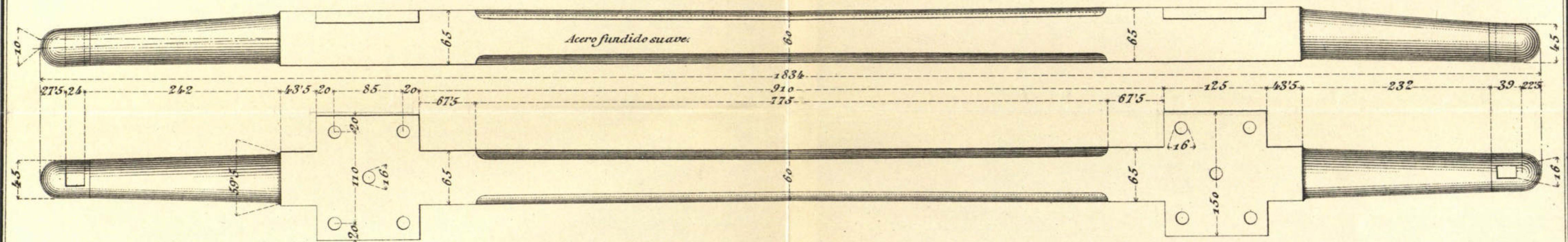
CARRO DE RACIONES MODELO 1911.

DETALLES

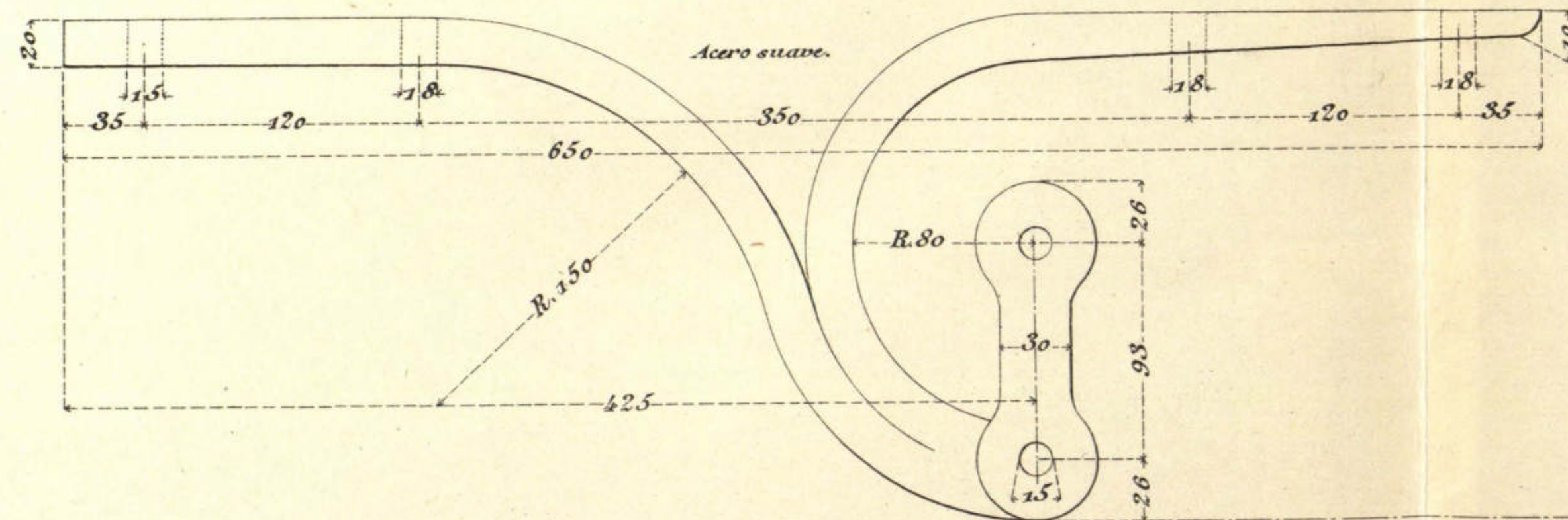
Eje trasero. (2/10)



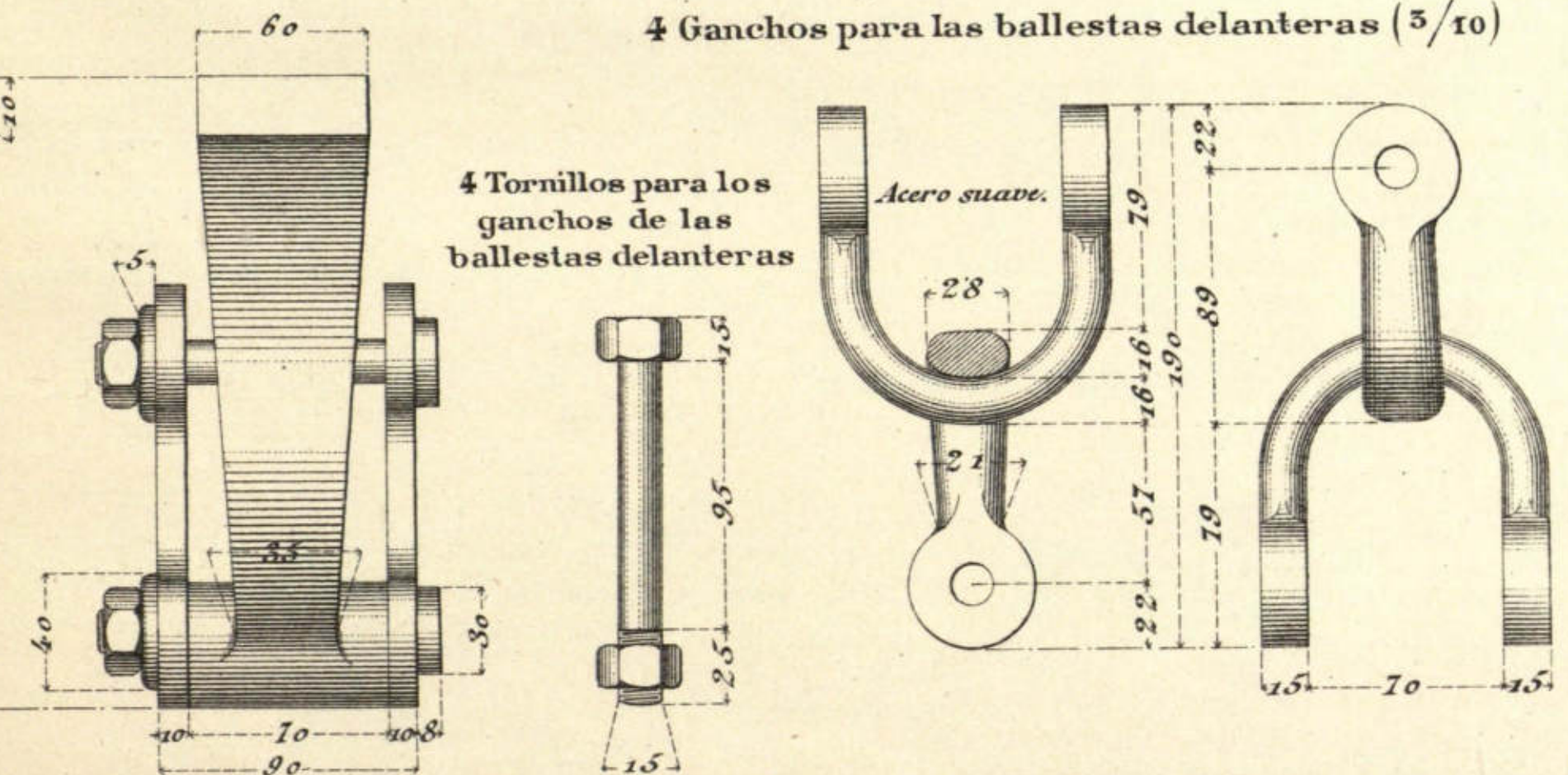
Eje delantero. (2/10)



2 Pies de gallo para las ballestas delanteras. (3/10)



4 Ganchos para las ballestas delanteras (5/10)

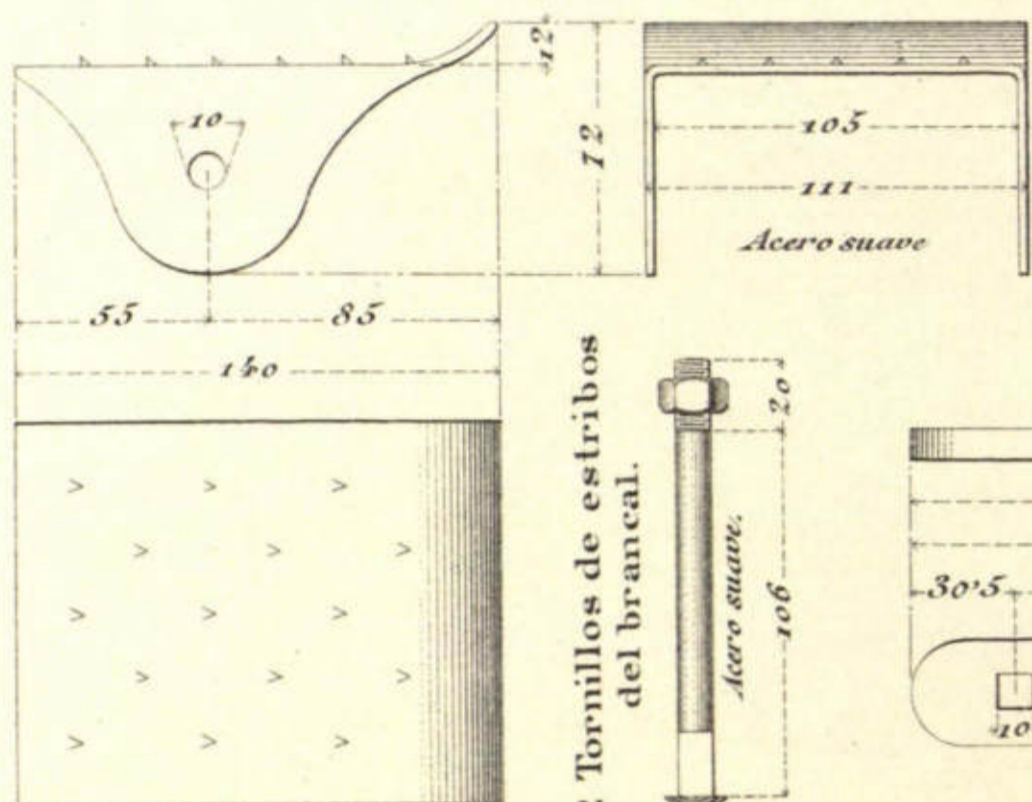


4 Tornillos para los ganchos de las ballestas delanteras

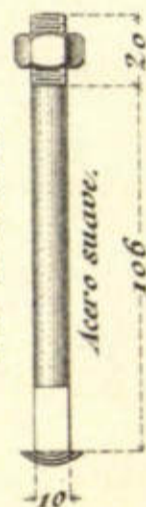
CARRO DE RACIONES Md. 1911

Escala 5/10

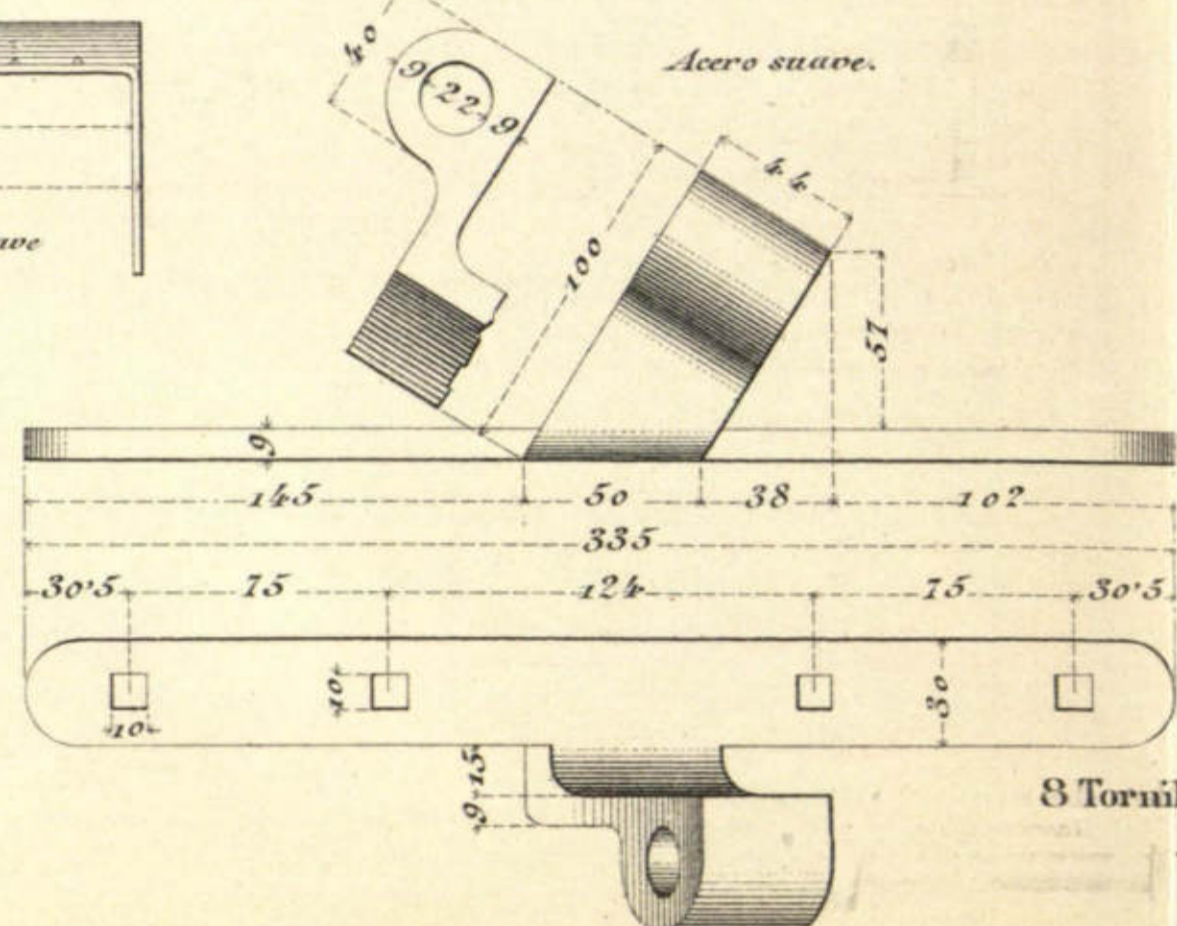
2 Estribos del brancal.



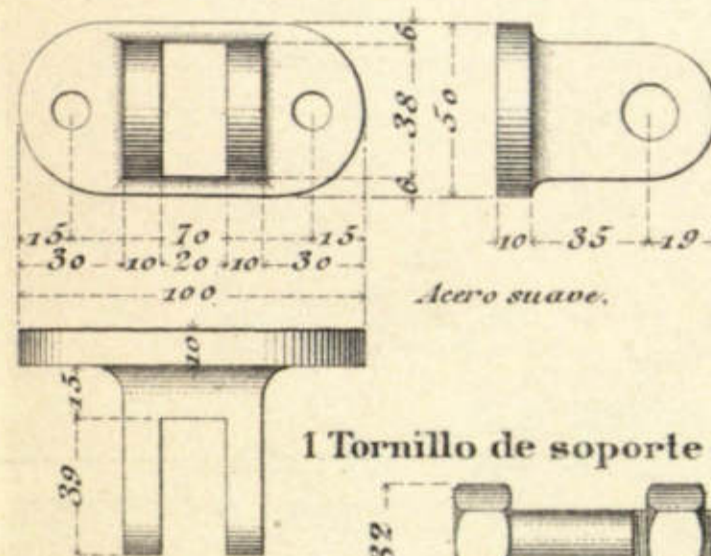
2 Tornillos de estribos del brancal.



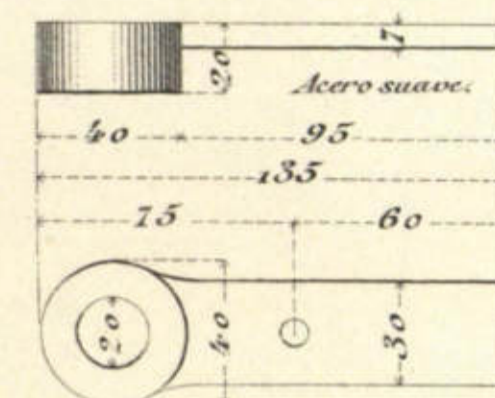
2 Soportes del gancho-tirante.



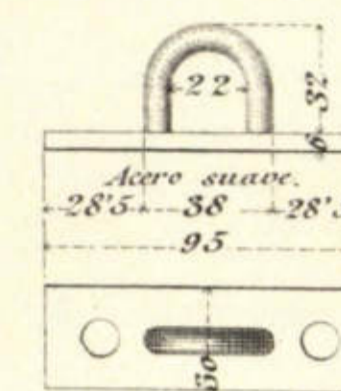
1 Soporte del fiador.



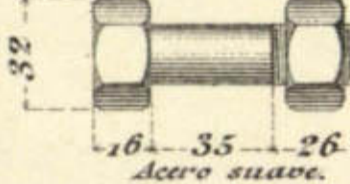
Anillo de gancho telera.



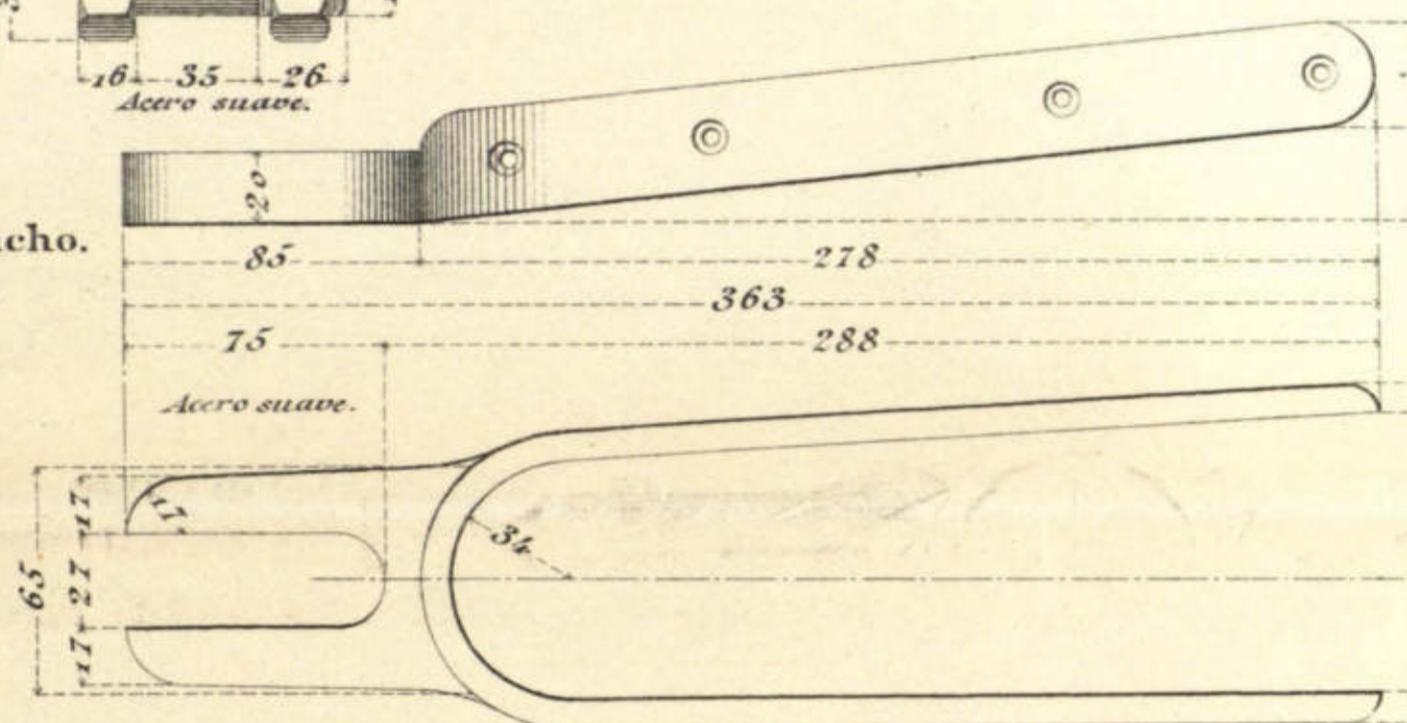
12 Cáncamos para la sujeción de la carga.



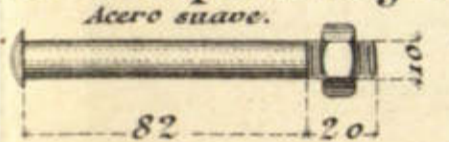
1 Tornillo de soporte de fiador



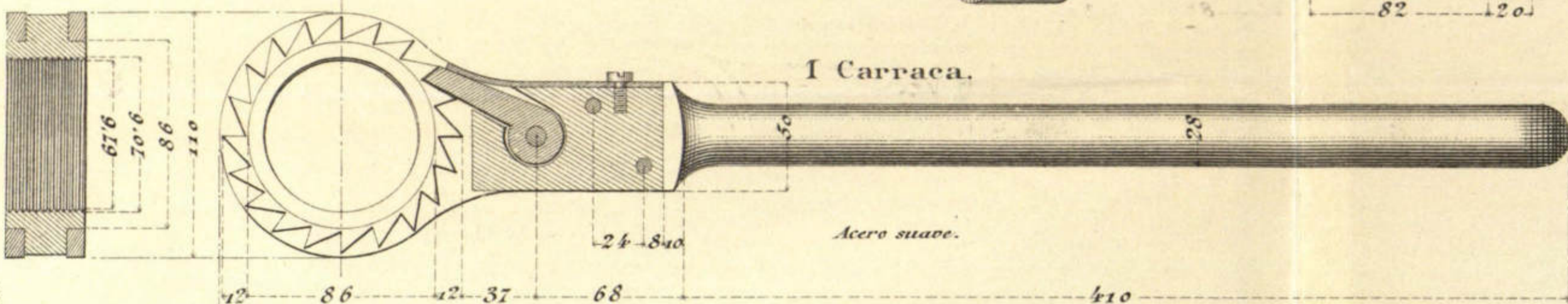
2 Horquillas del bastidor posterior



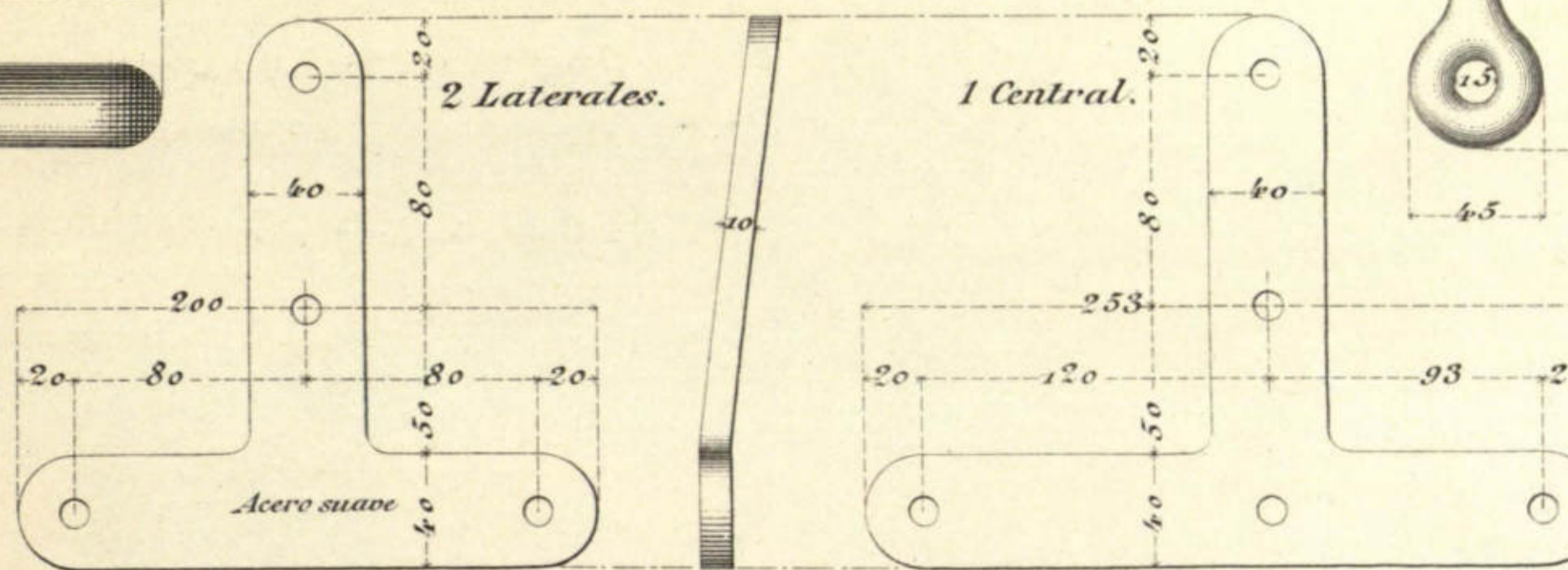
3 Tornillos de soporte de gancho.



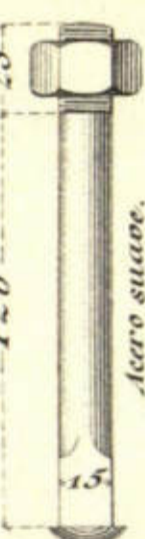
1 Carraca.



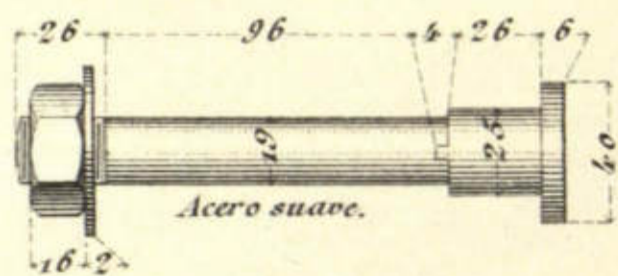
5 Refuerzos del bastidor anterior.



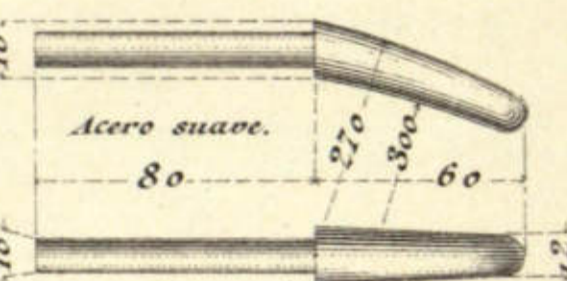
2 Tornillos de los goznes del torno.



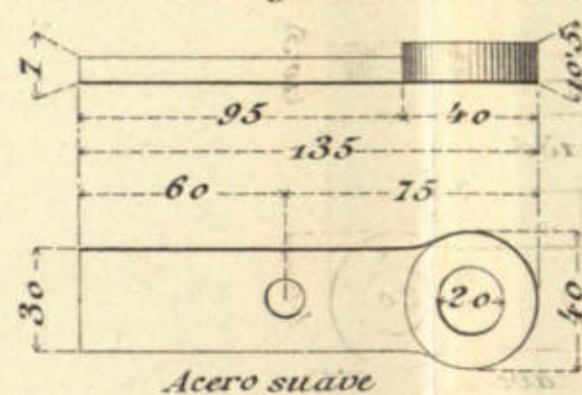
2 Goznes del torno.



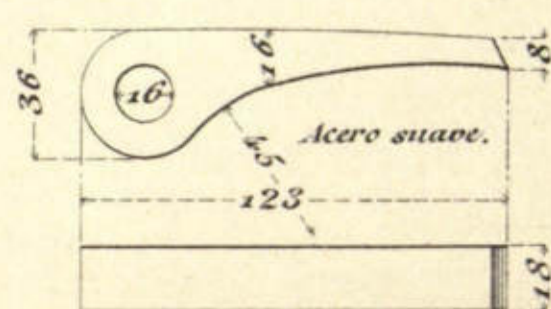
2 Ganchos del torno



1 Anilla de gancho telera.

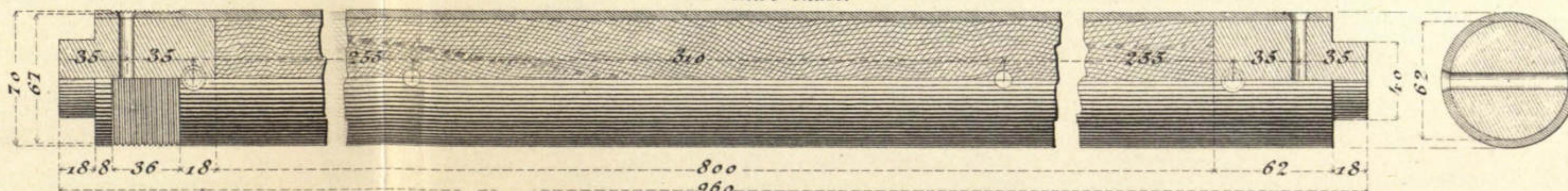
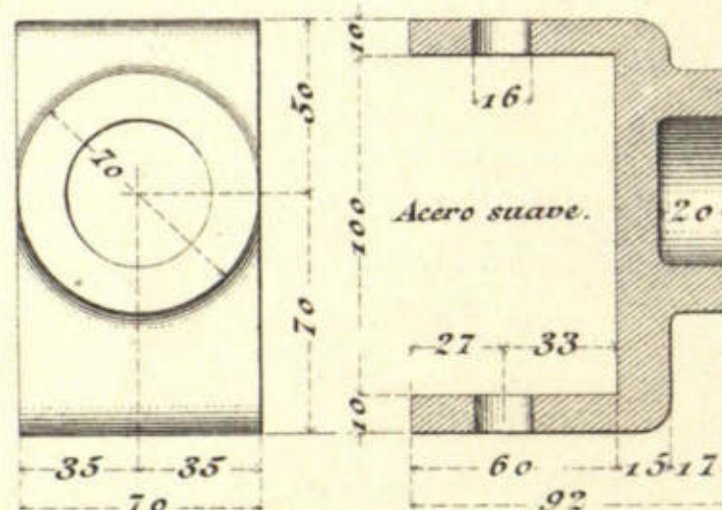


1 Fiador



1 Torno.

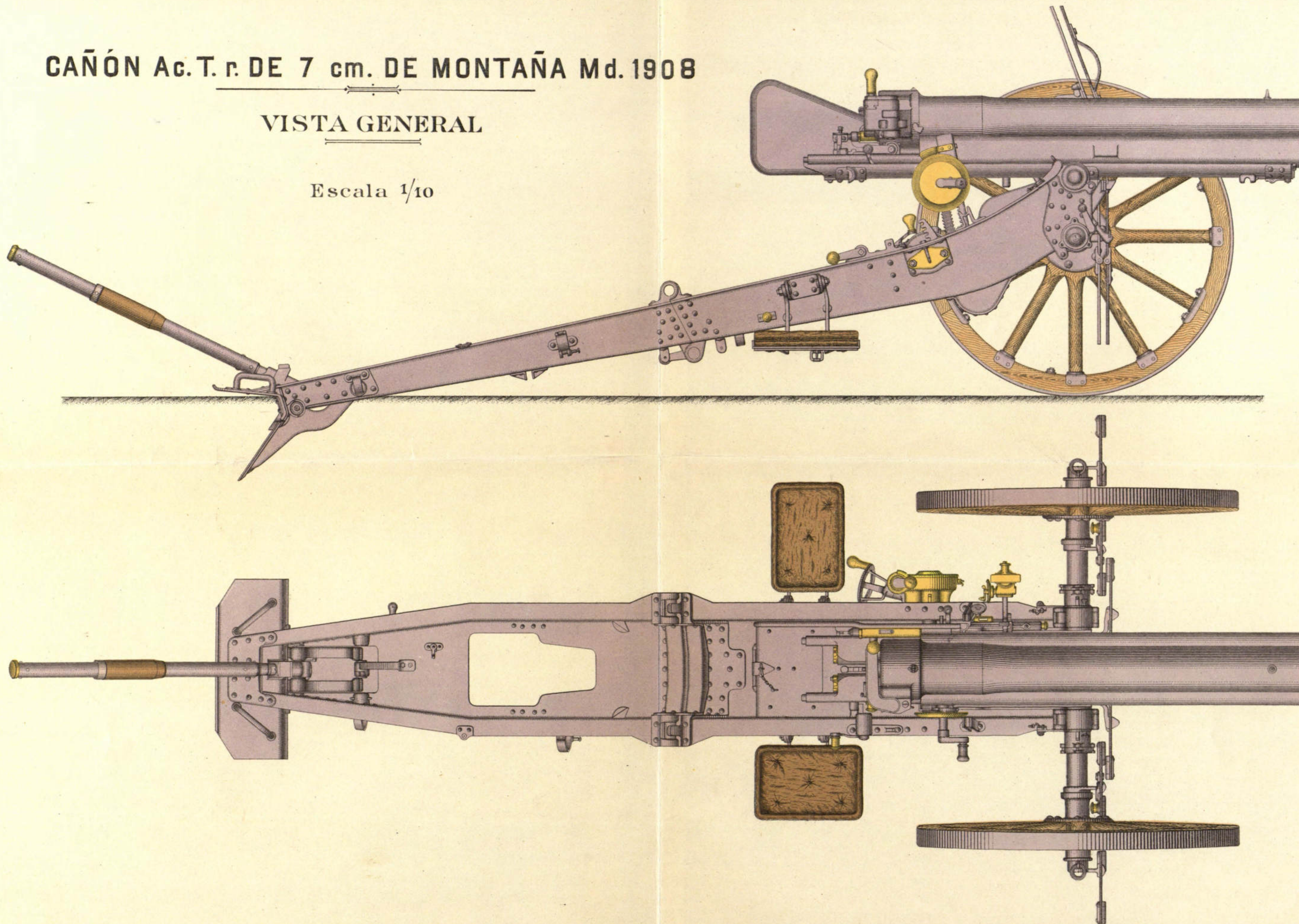
Acero suave.



CAÑÓN Ac.T. r. DE 7 cm. DE MONTAÑA Md. 1908

VISTA GENERAL

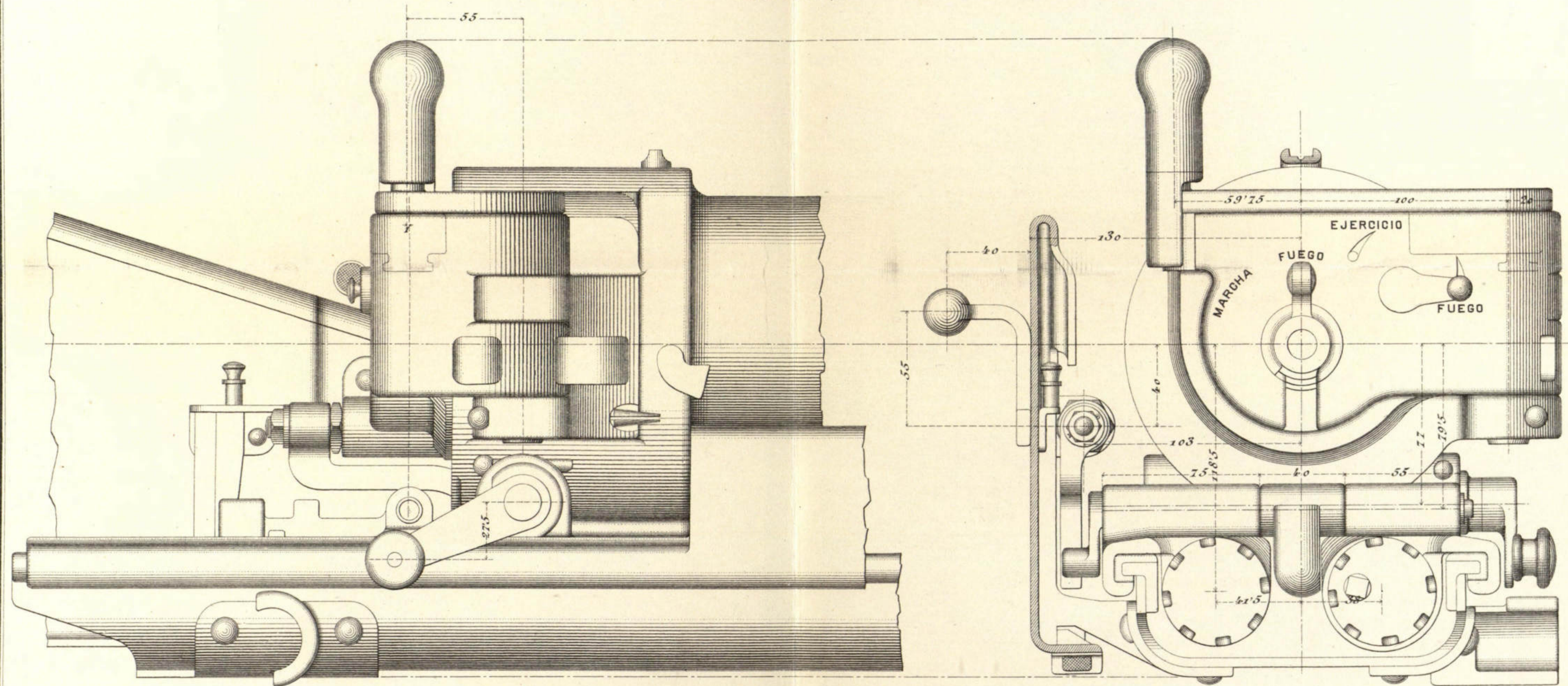
Escala 1/10



CAÑÓN Ac. MONTAÑA 7 cm. Md. 1908

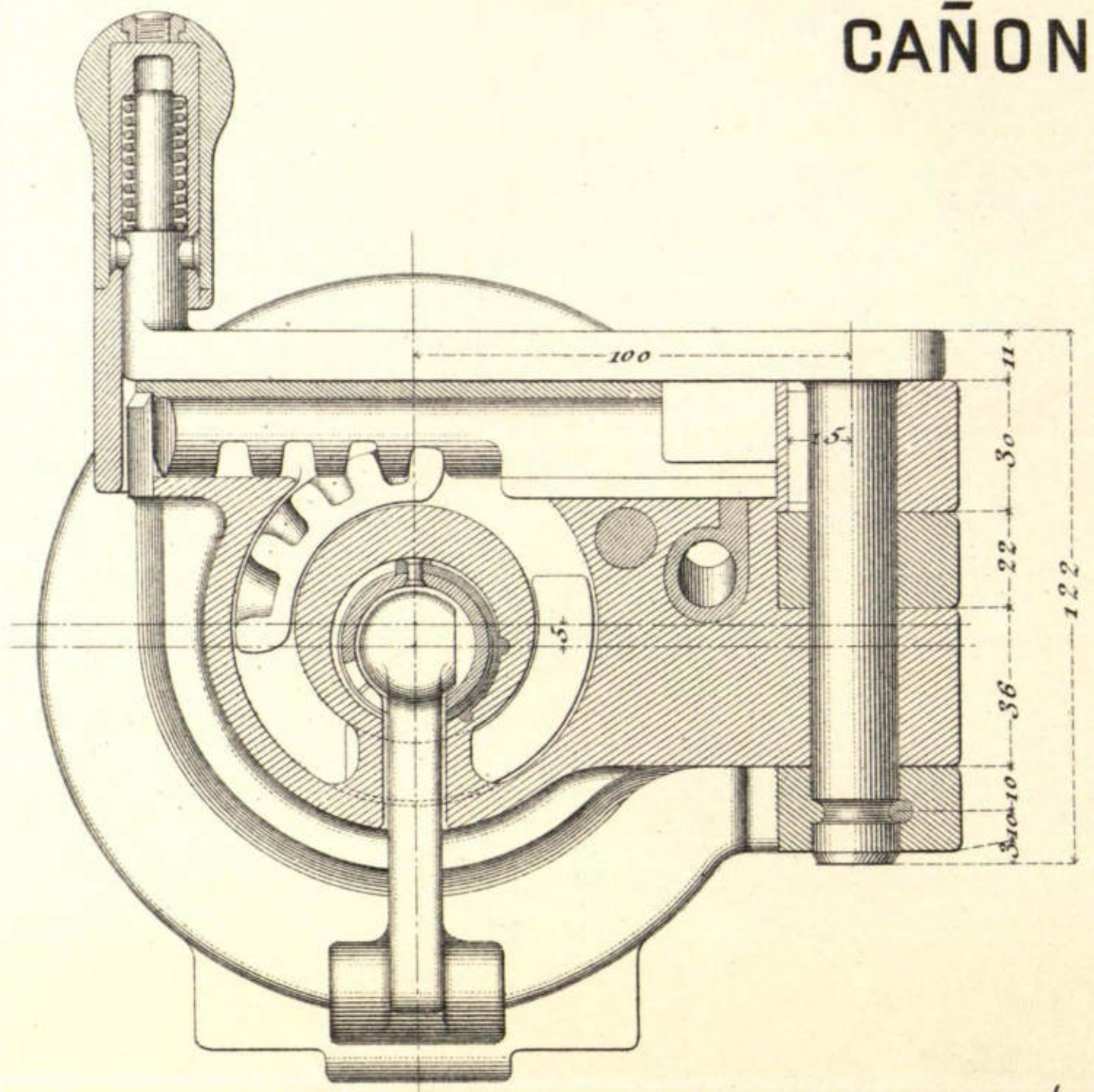
VISTAS DEL CIERRE

Escala 1/2

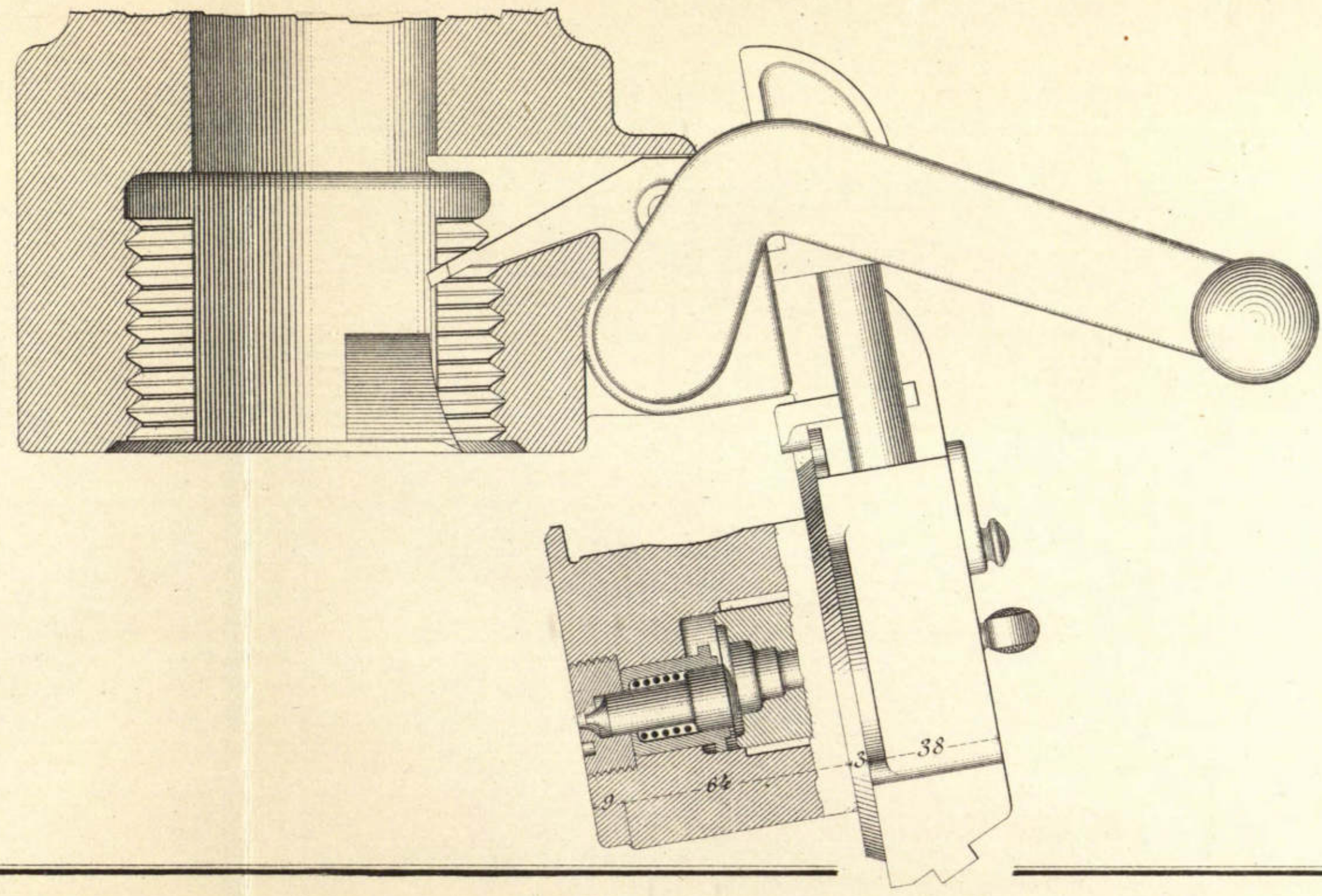
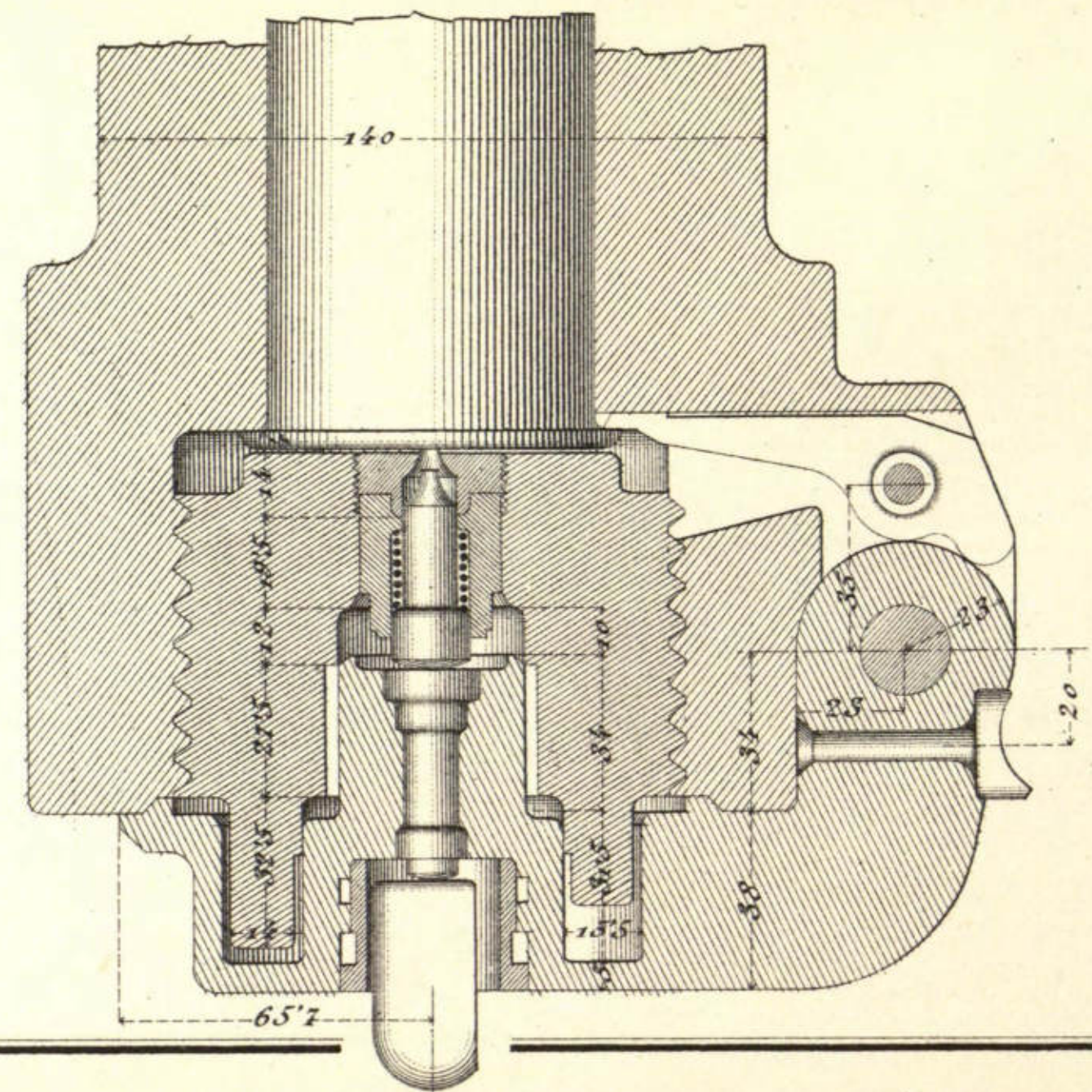
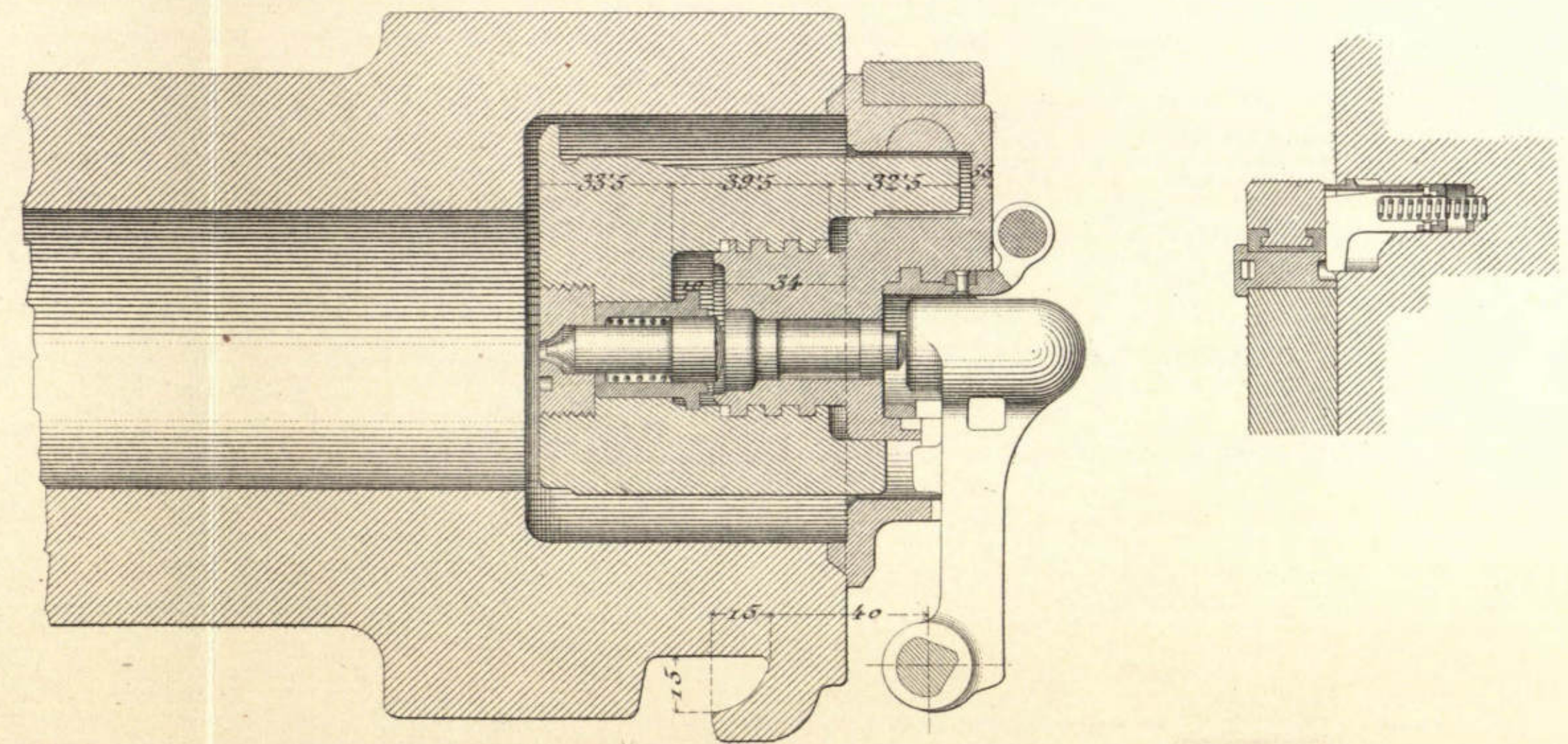


CAÑON Ac. MONTAÑA 7 cm. Md. 1908

VISTAS DEL CIERRE



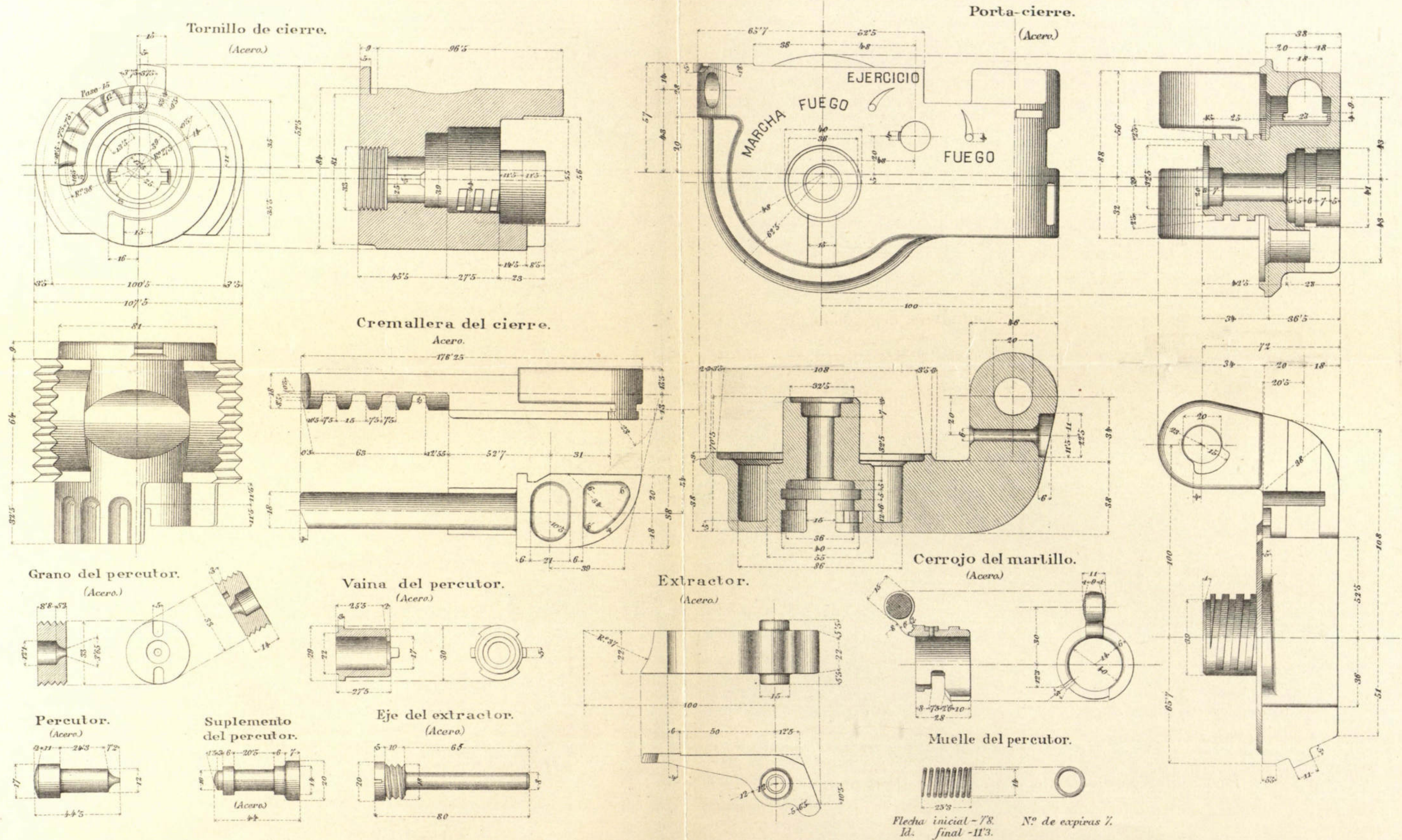
Escala 5/10



CAÑÓN Ac. T.r. DE 7 cm. DE MONTAÑA Md. 1908.

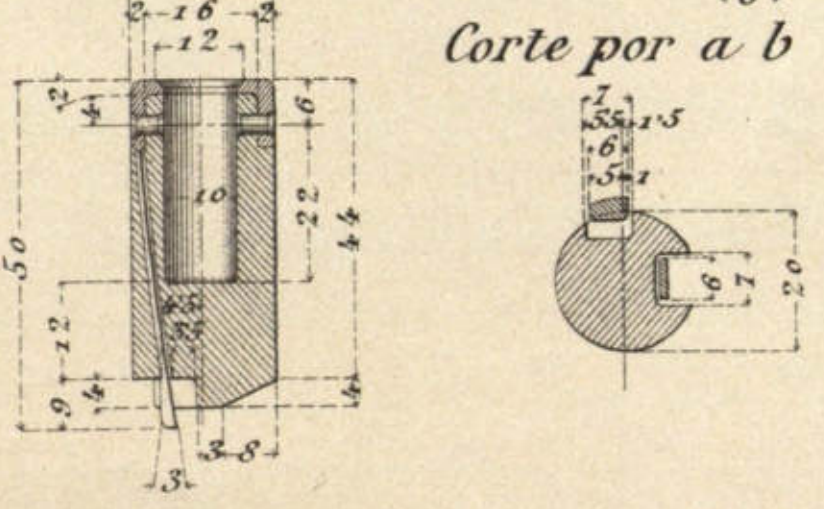
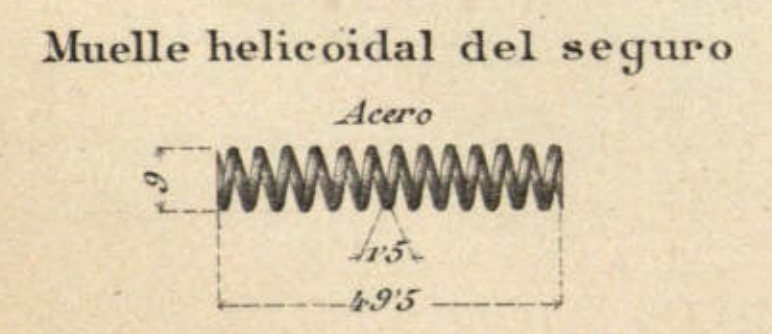
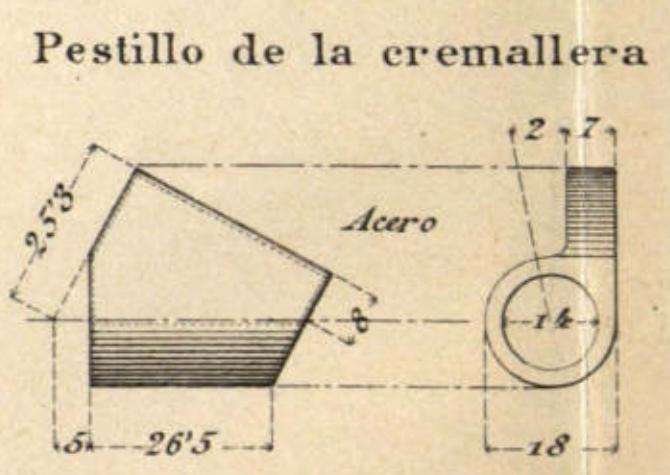
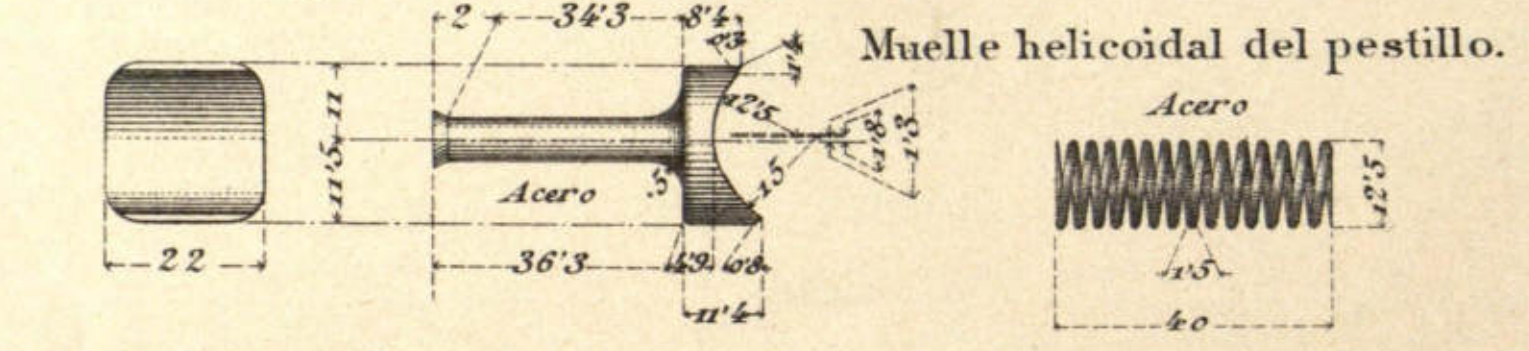
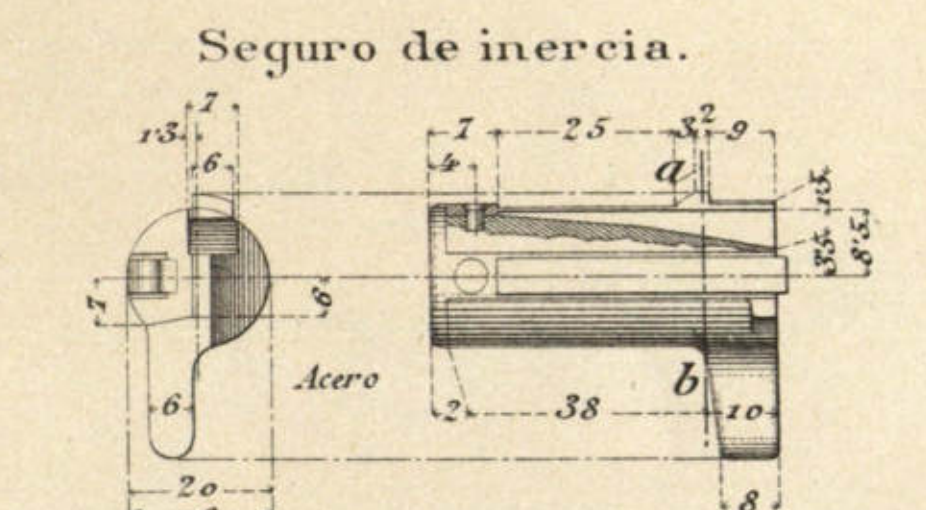
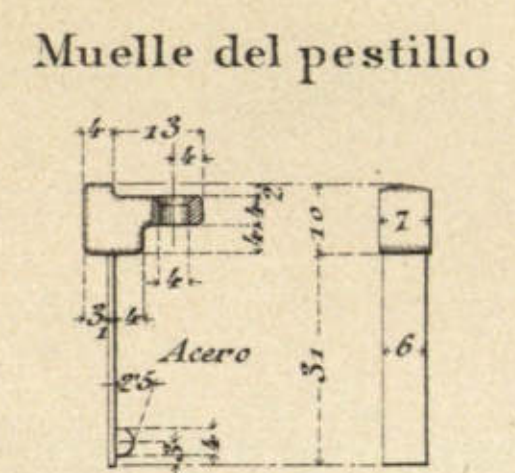
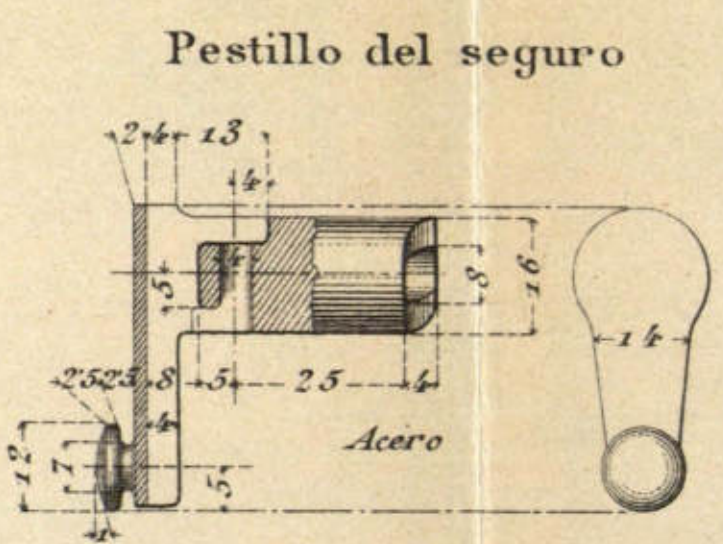
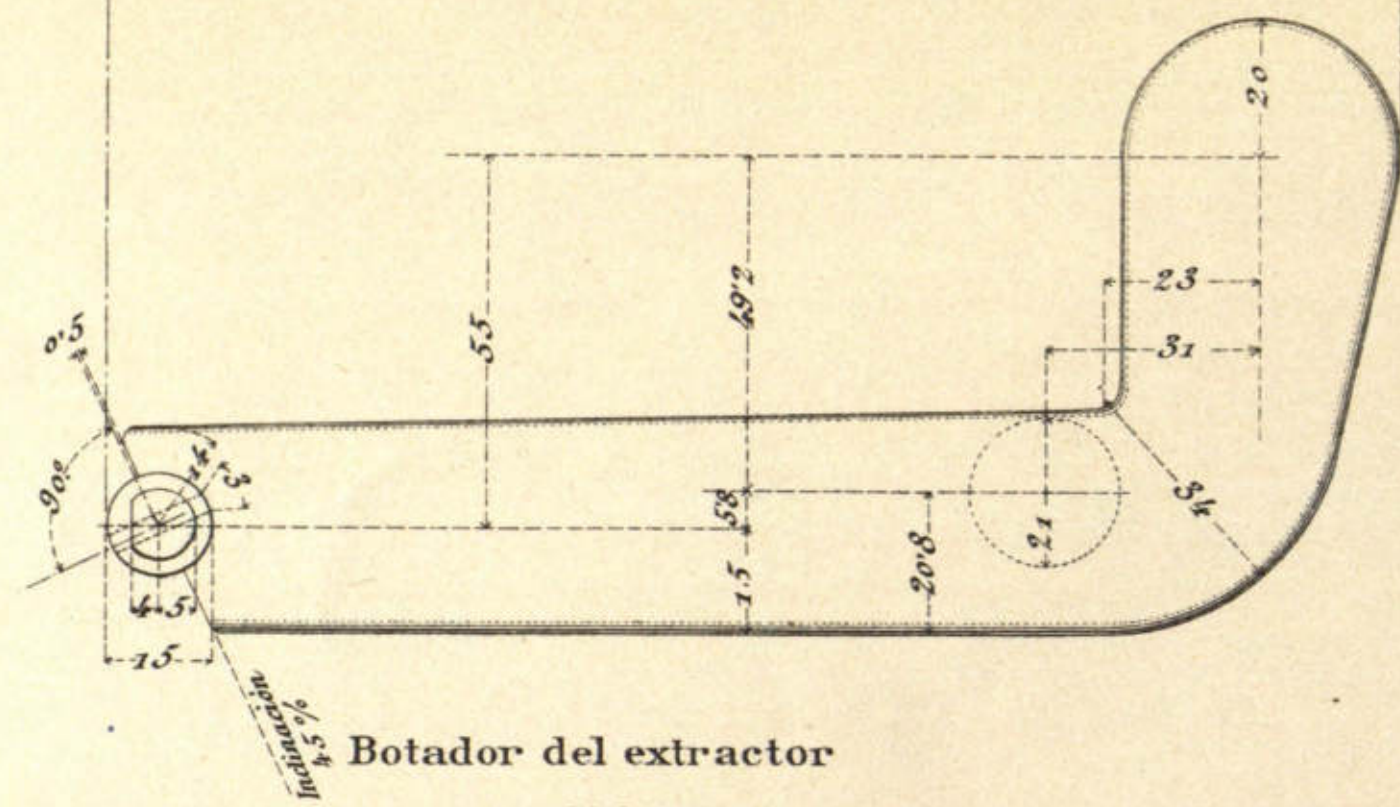
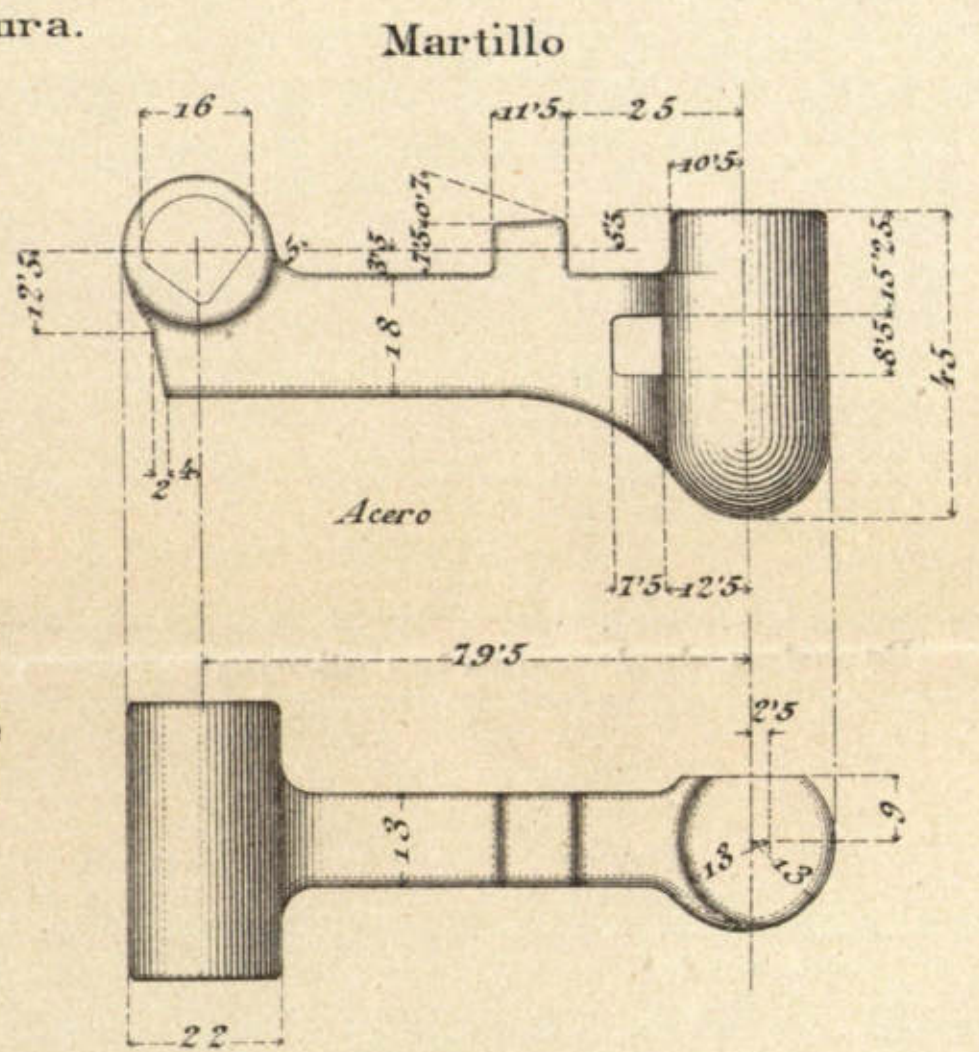
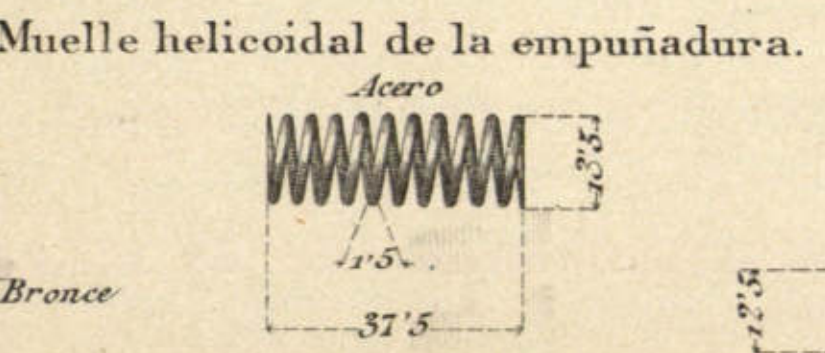
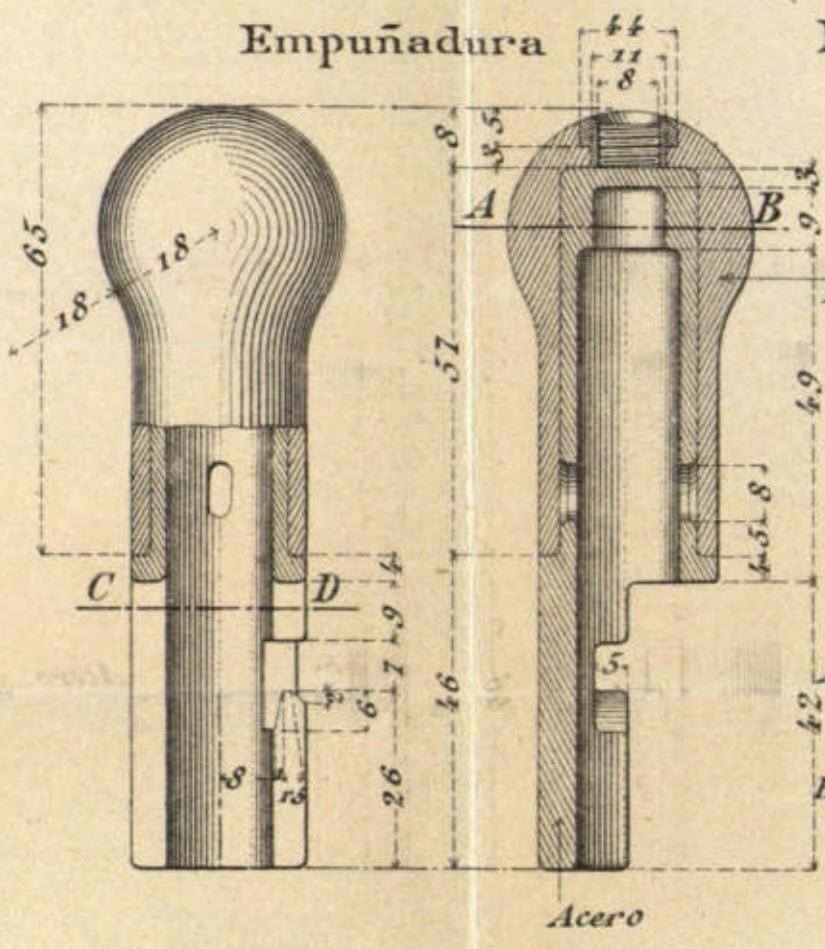
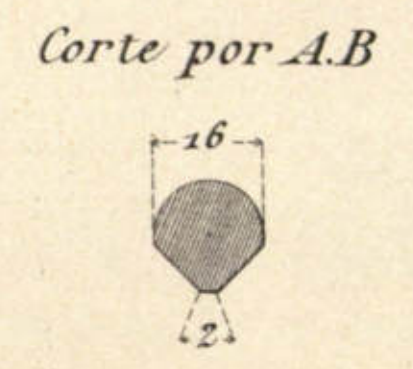
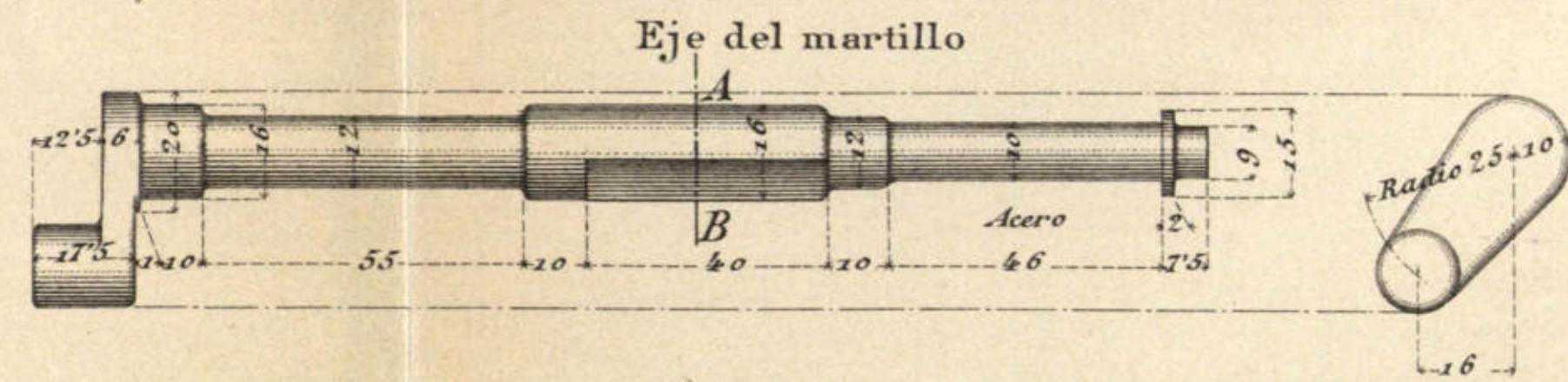
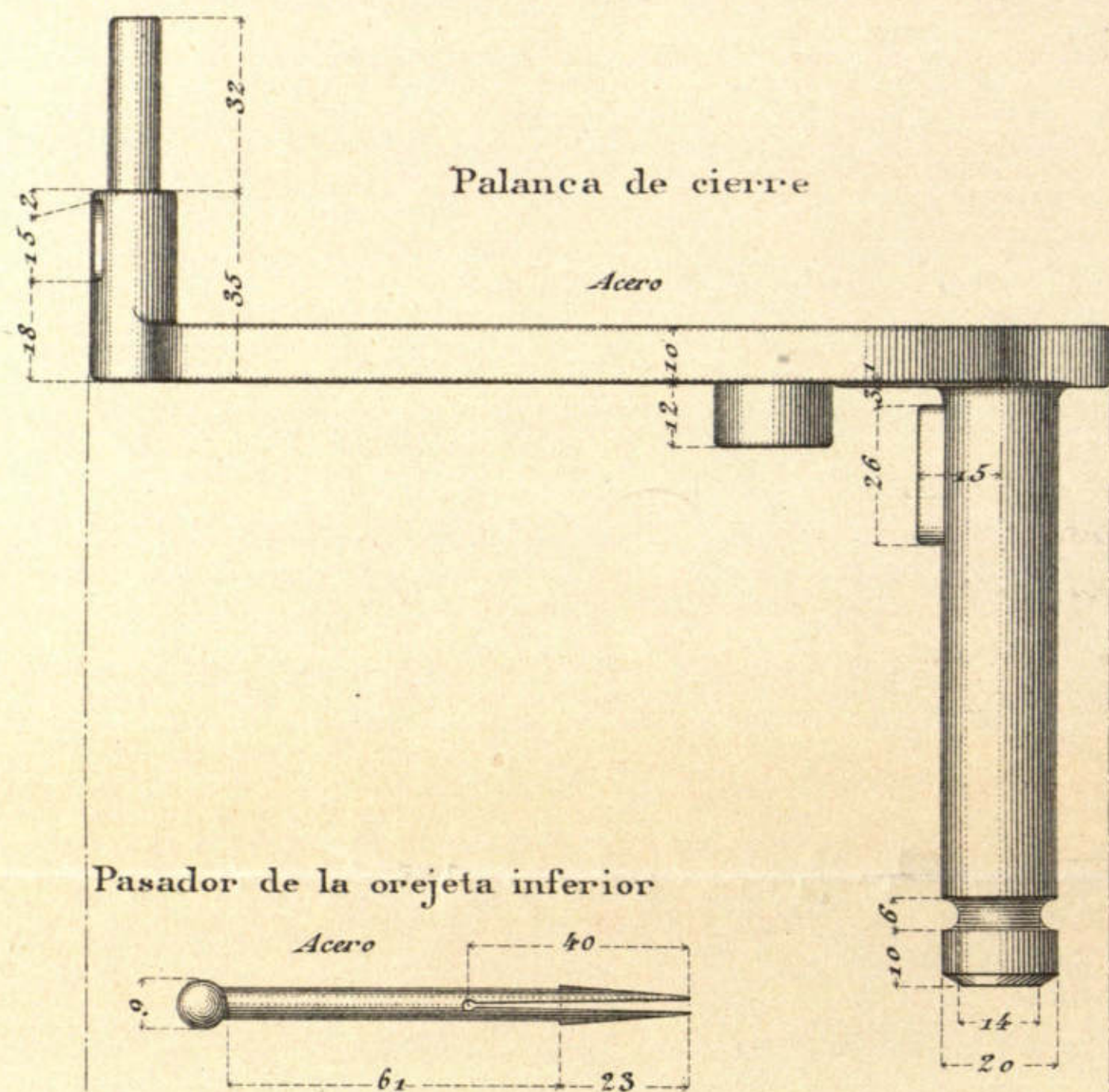
DETALLES DEL CIERRE.

Escala 1/2.



CAÑON Ac.T. r. DE 7 cm. DE MONTAÑA Md. 1908

Escala 6/10



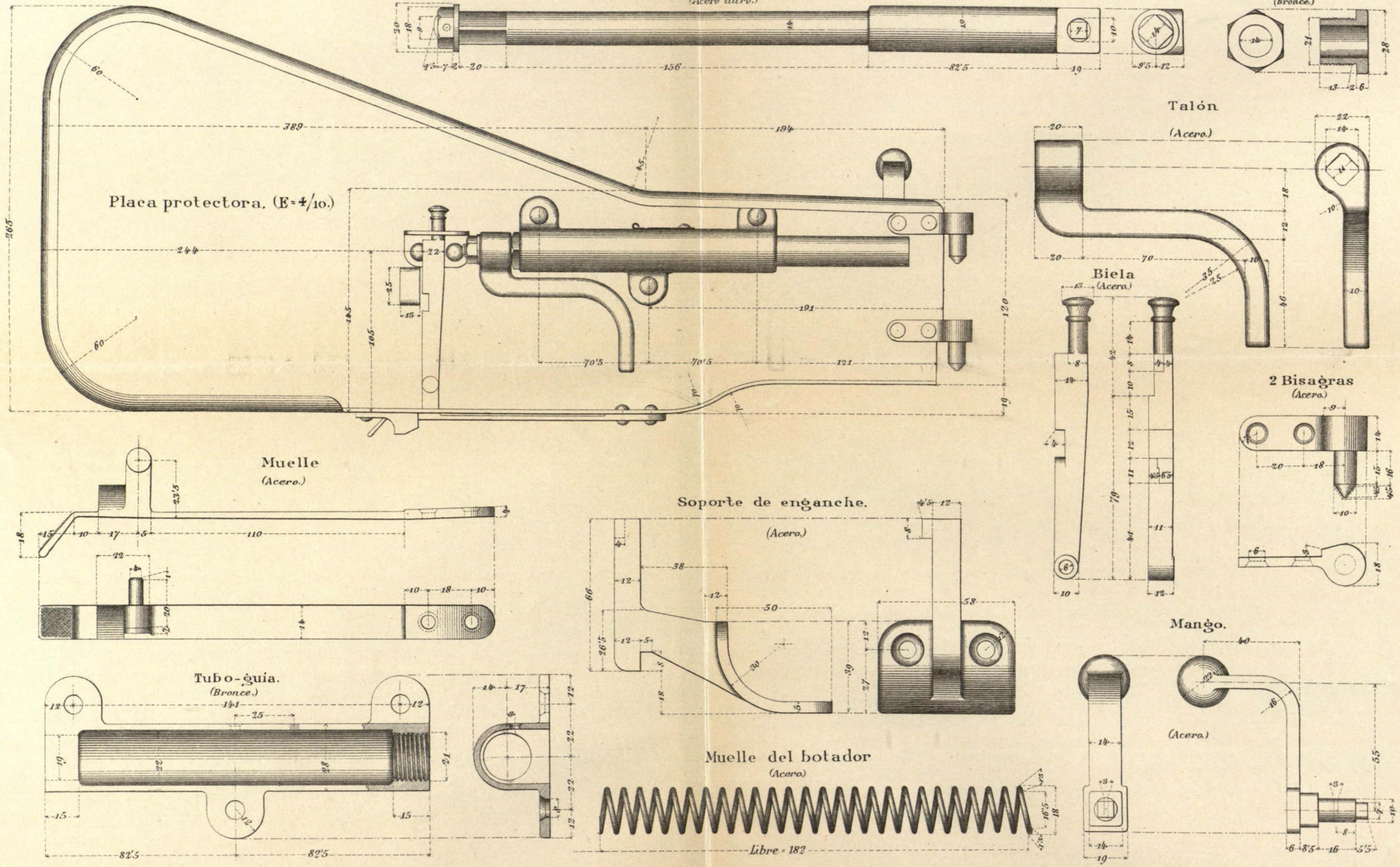
CAÑÓN Ac. T. r. DE 7 cm. DE MONTAÑA Md. 1908

APARATO DISPARADOR.

Detalles=Escala 6/10.

Botador
(Acero duro.)

Tapón del tubo-guía.
(Bronce.)

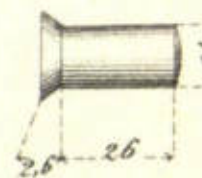
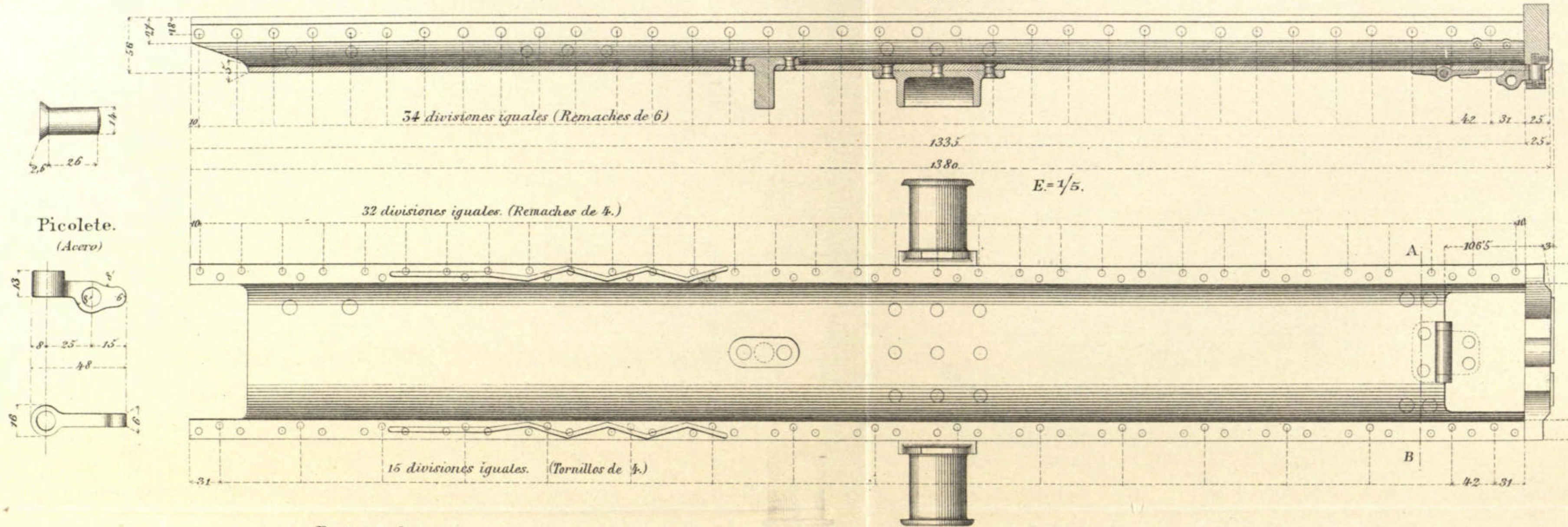


CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

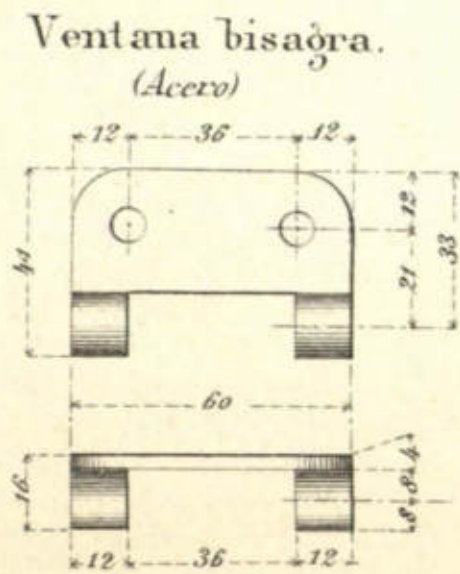
DETALLES DE LA CUNA.



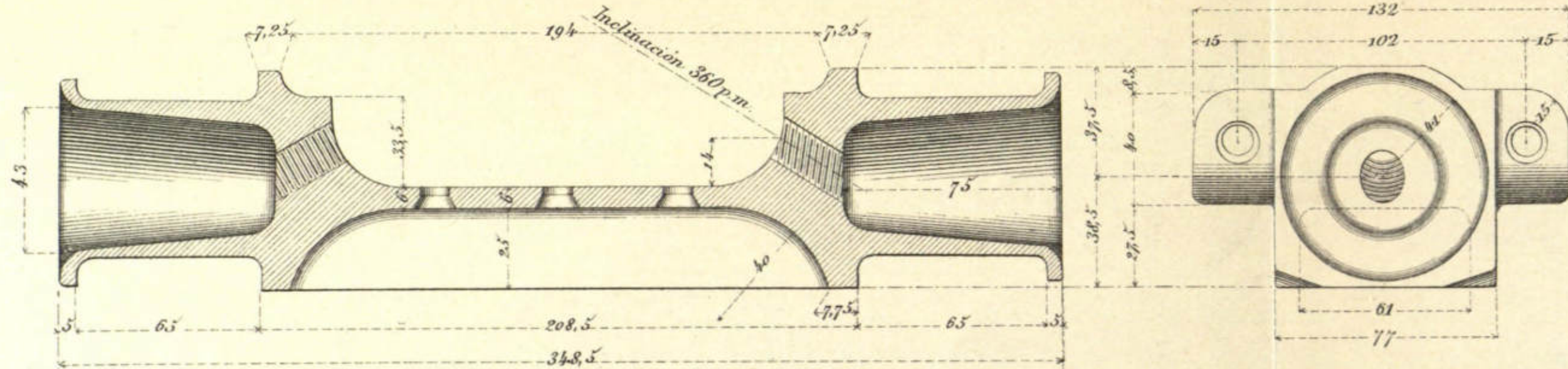
Cuna.



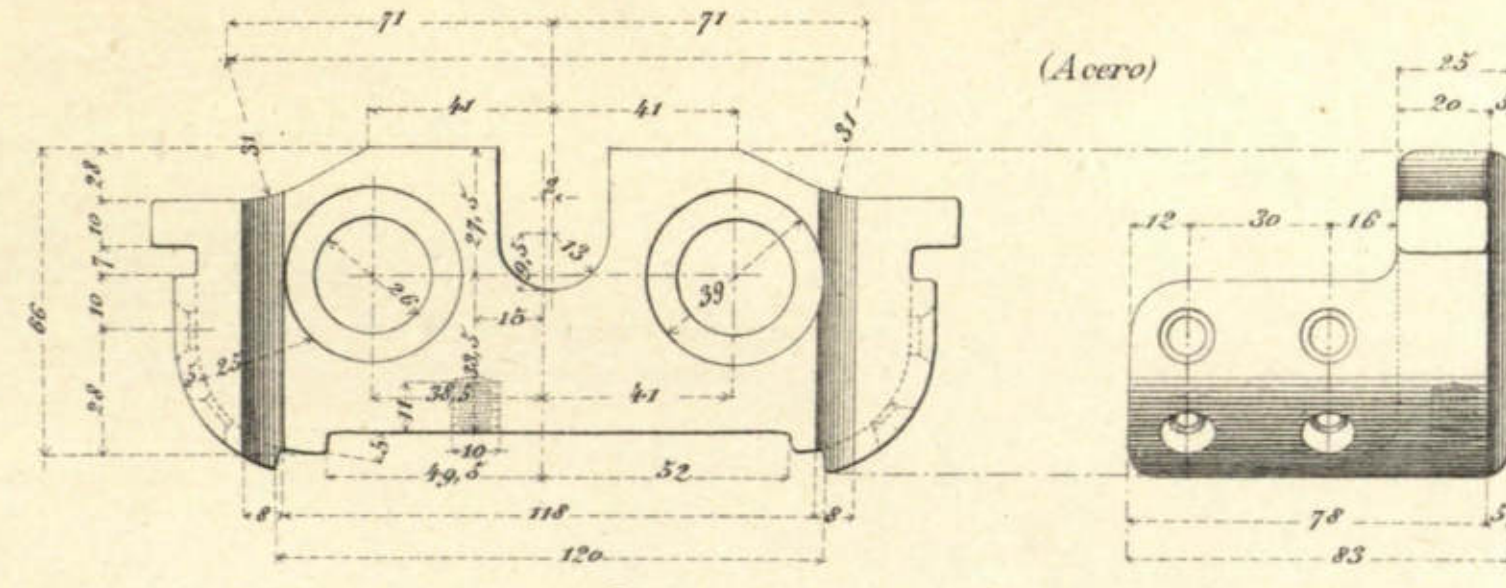
Picolete.
(Acero)



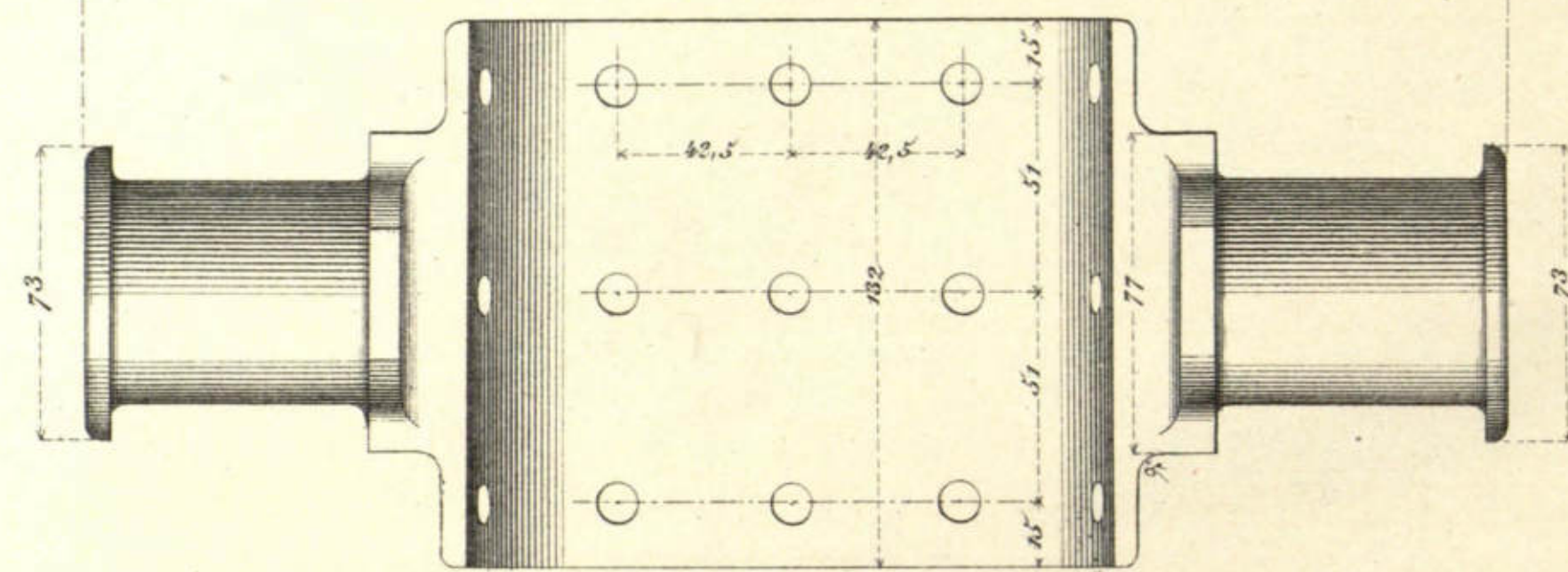
Portamuñones.
(Acero)



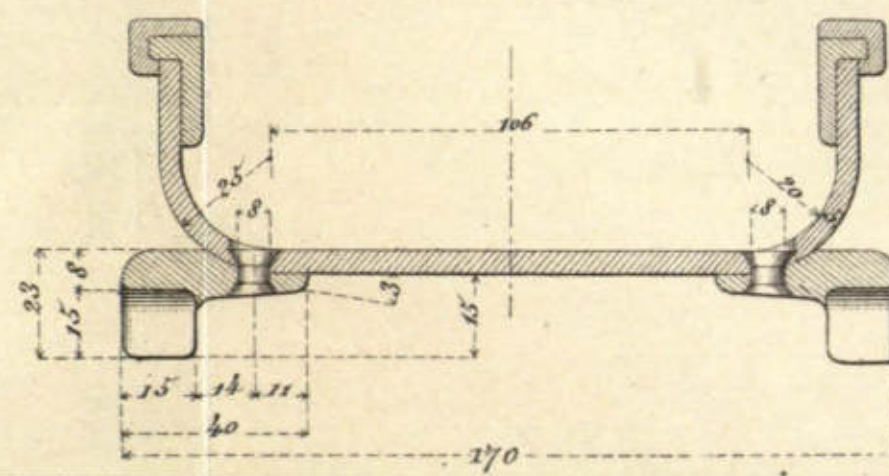
Telera anterior
(Acero)



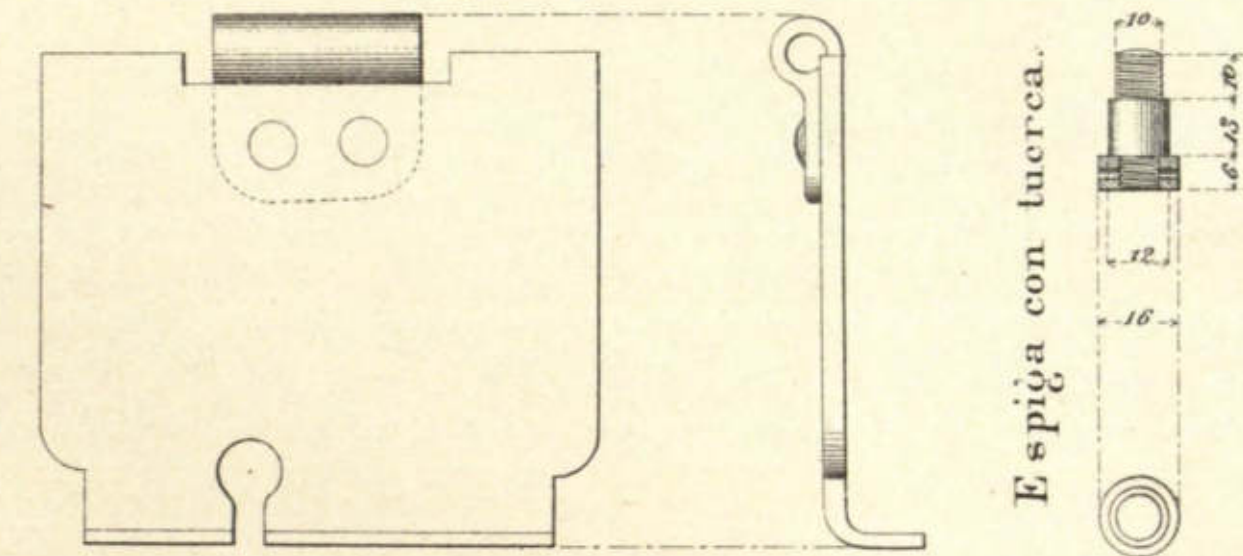
Escala 2/5.



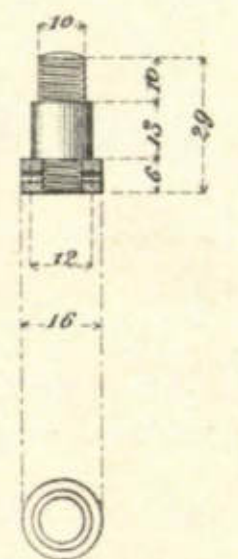
Corte por AB.



Ventana.
(Acero)

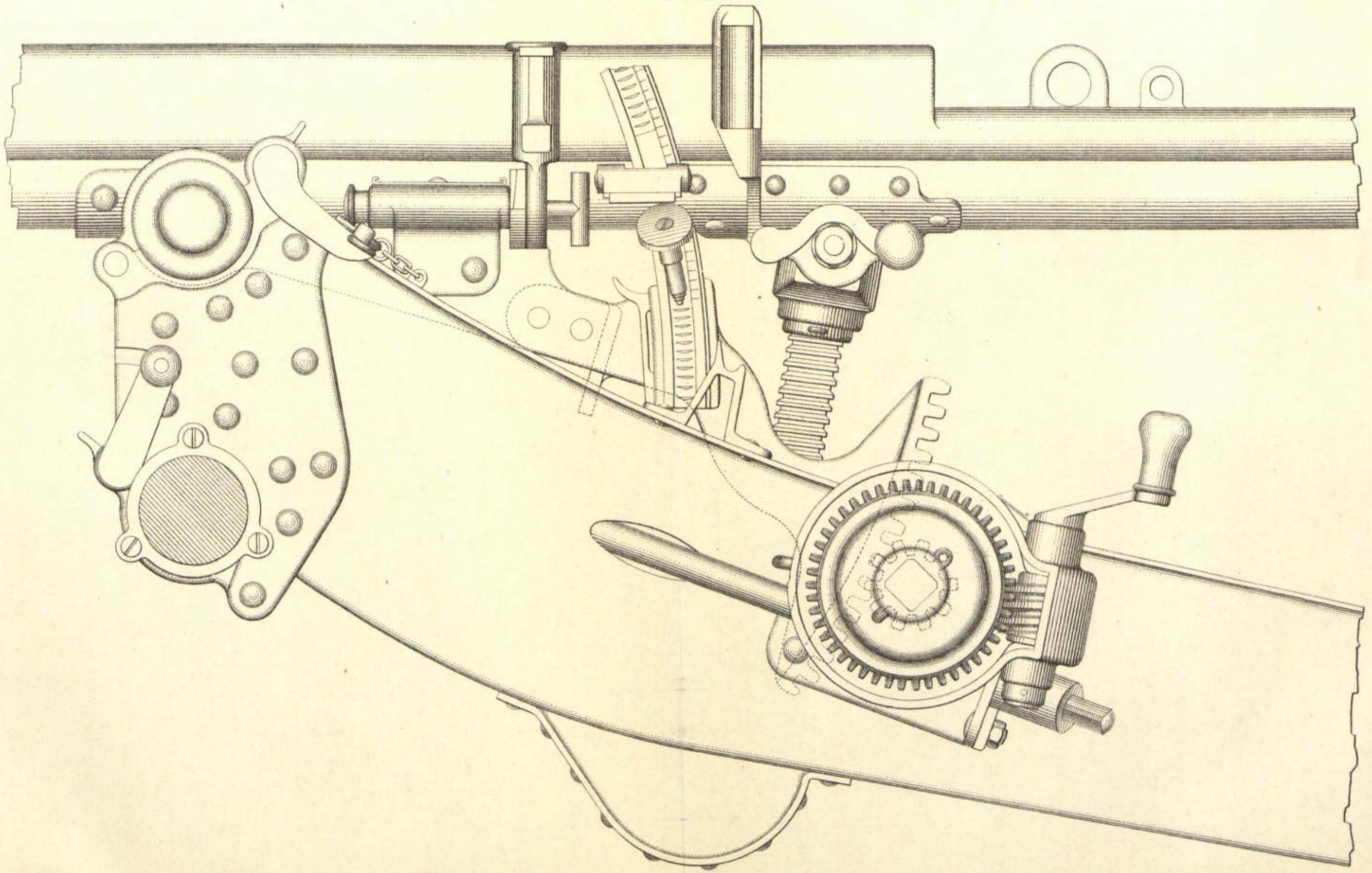


Espiga con tuerca.

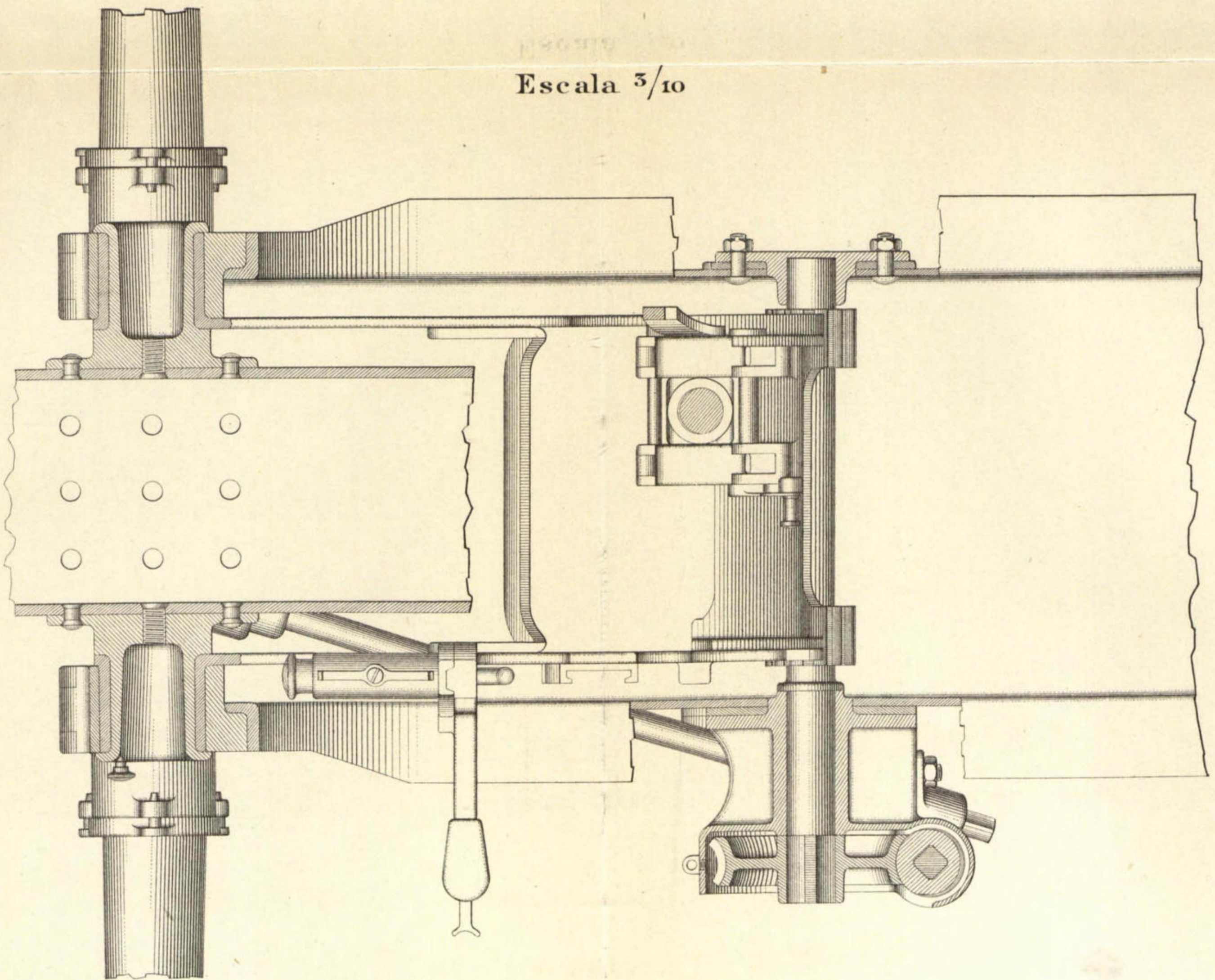


CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908

APARATO DE PUNTERIA EN ALTURA



Escala 3/10

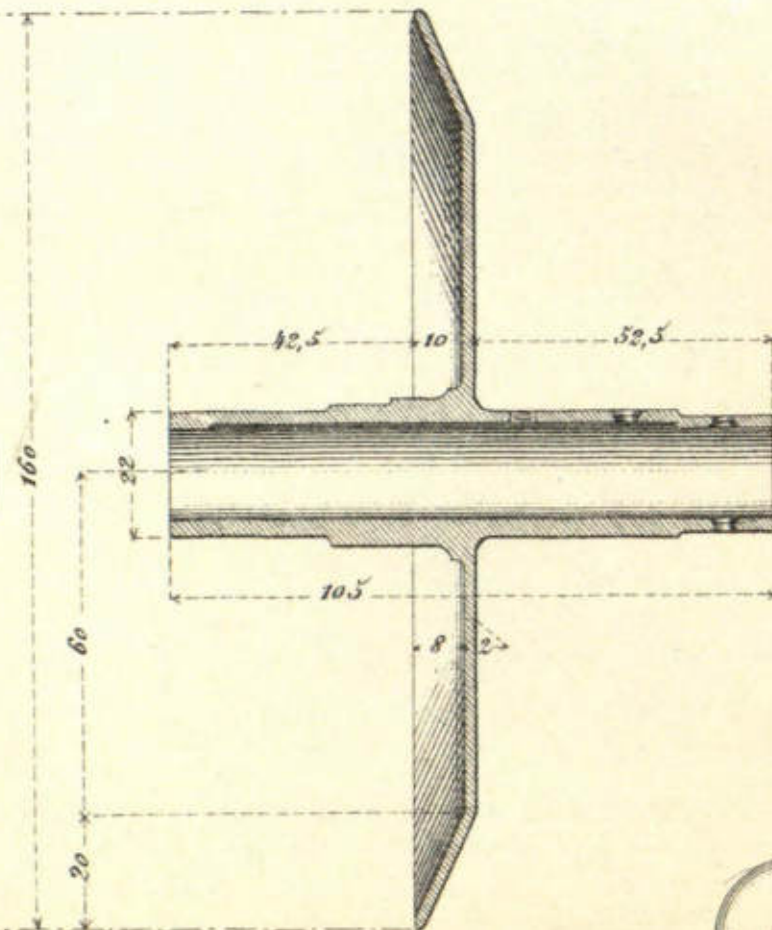
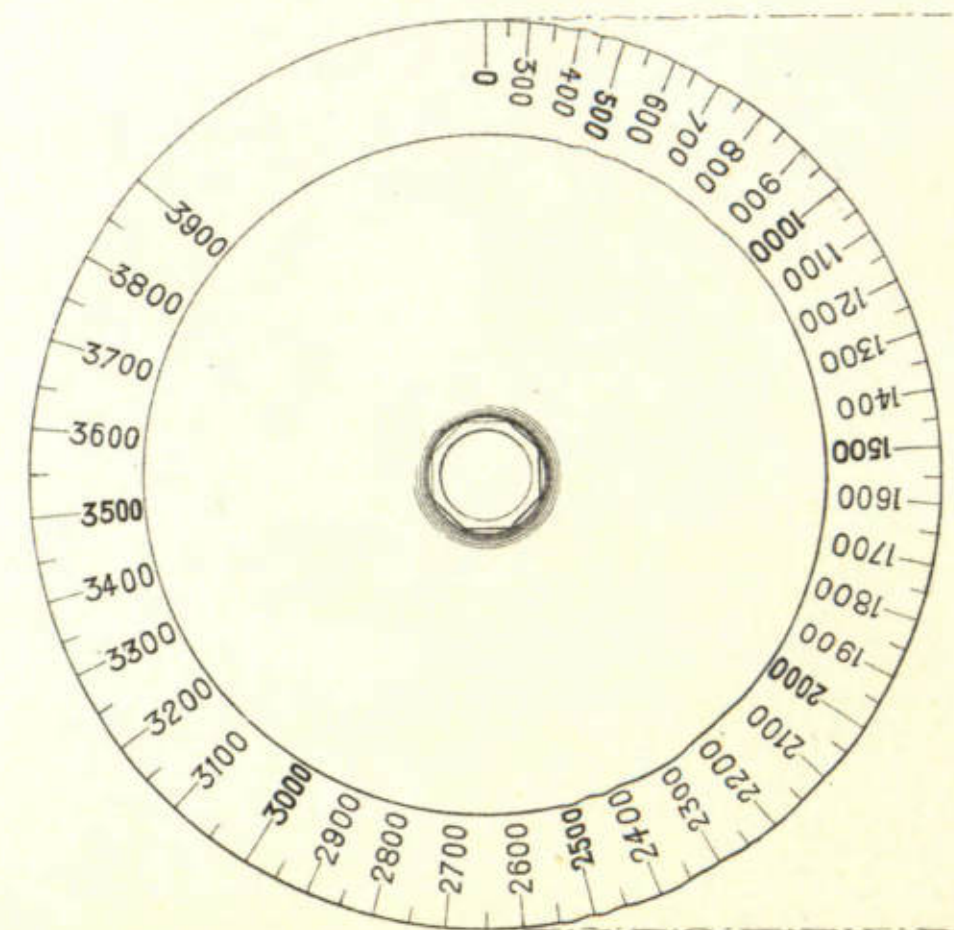


CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

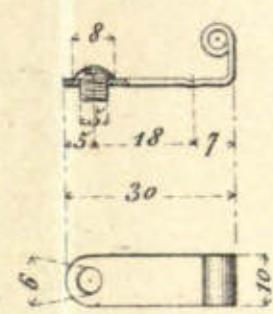
DETALLES DEL APARATO DE PUNTERIA EN ALTURA

Escala 5/10.

Platillo de alcances
Bronce.



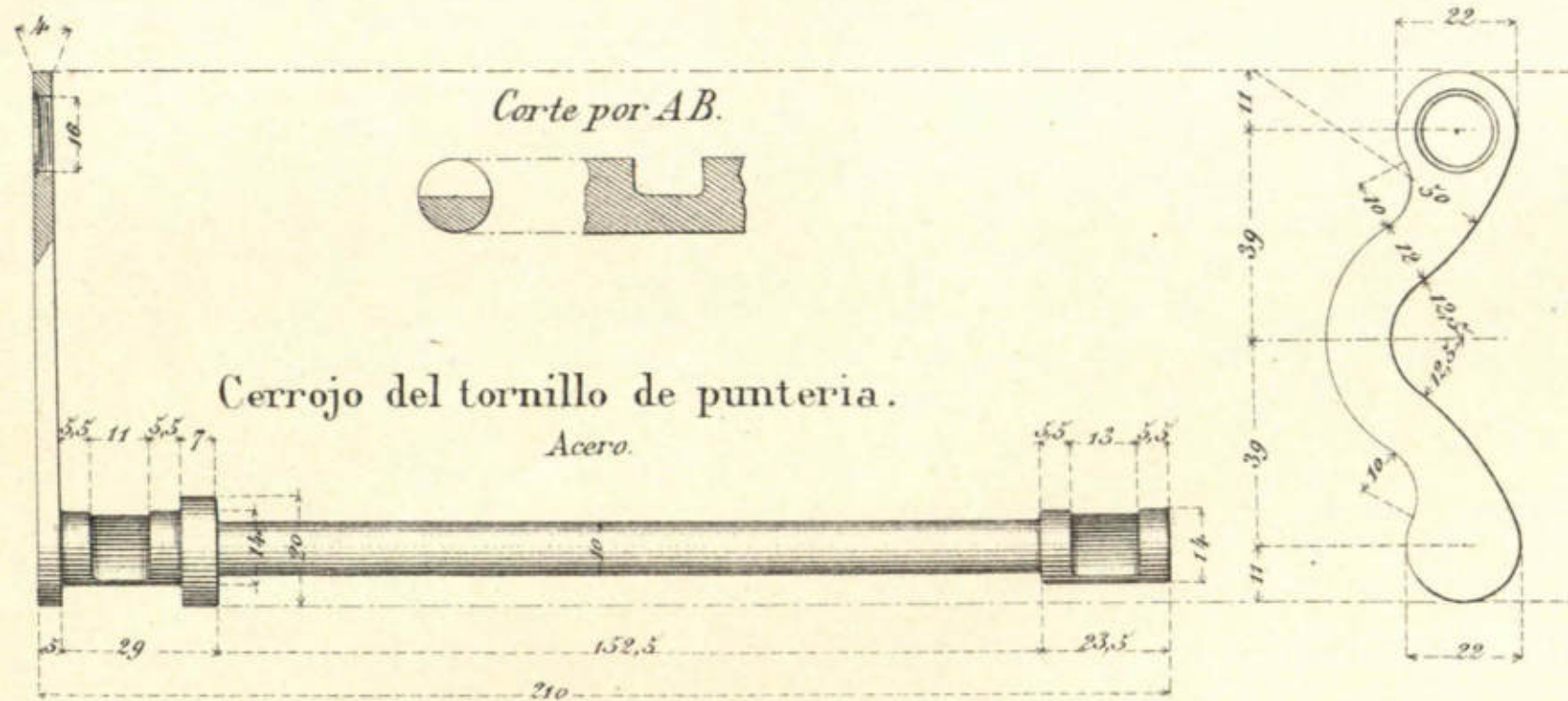
Chapa muelle. (Acero)



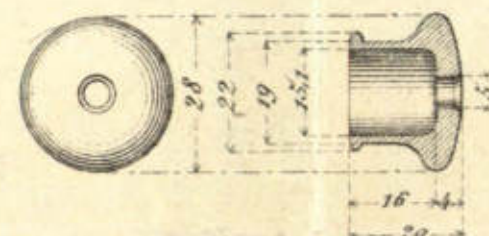
Carte por AB.



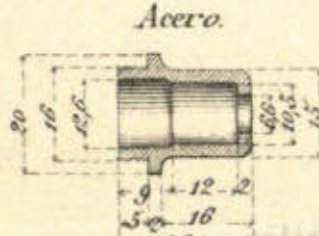
Cerrojo del tornillo de punteria.
Acero.



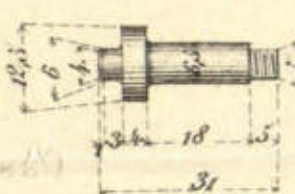
Cabeza.
Bronce.



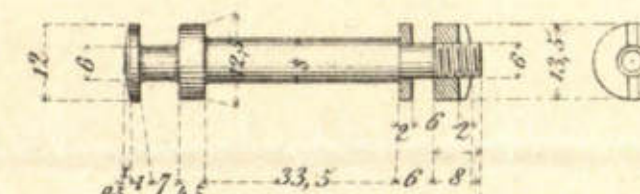
Vaina de la empuñadura.
Acero.



Espiga.
Acero.



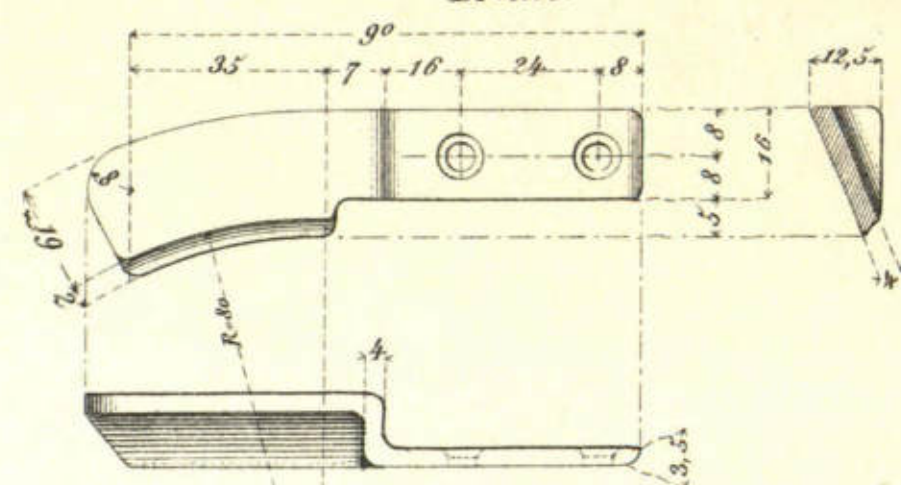
Espiga del mango.
Acero.



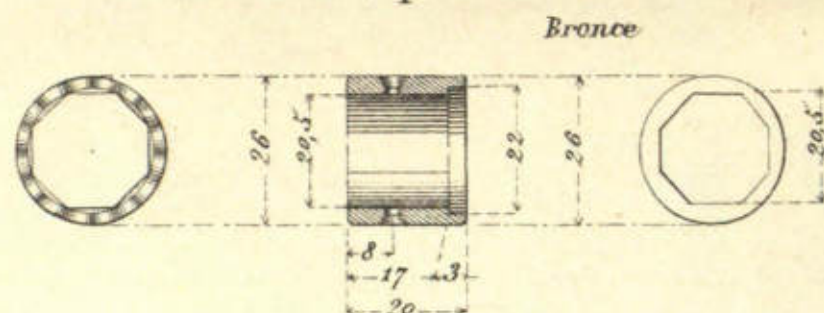
Muelle.
Acero.



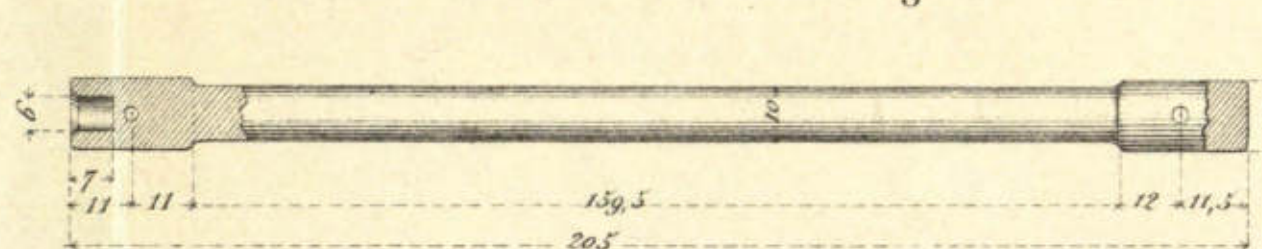
Porta índice del platillo.
Bronce.



Casquillo.
Bronce.



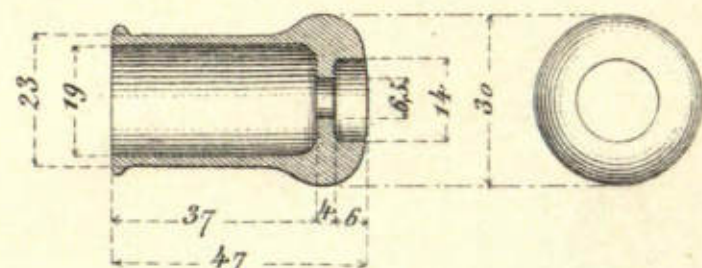
Varilla de unión de las sobabragas.



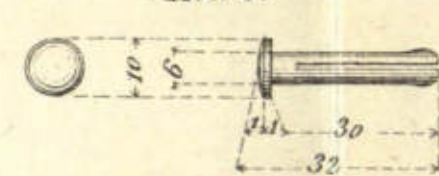
Muelle del puño.
Acero.



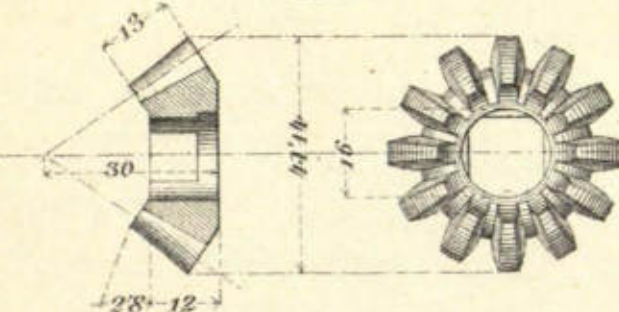
Puño.
Aluminio.



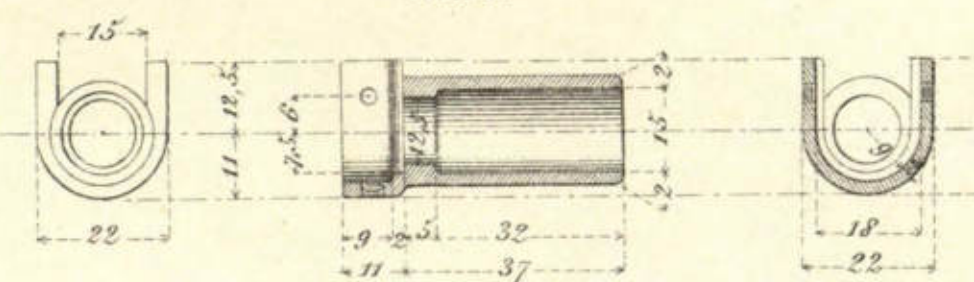
Pasador del seguro.
Acero.



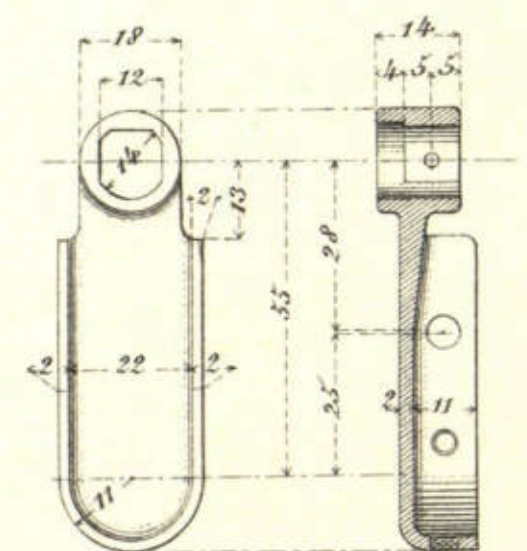
Piñón de la rueda.
Acero.



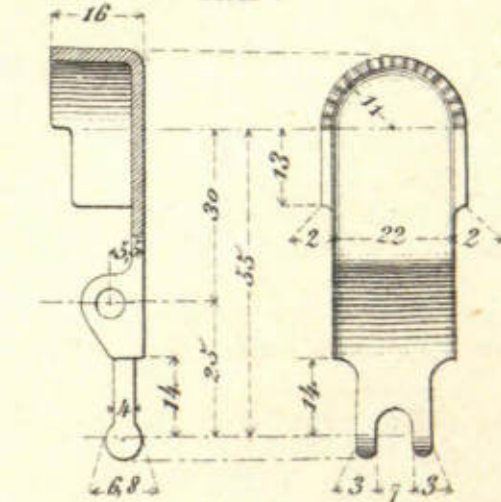
Vaina del muelle del puño (Acero)



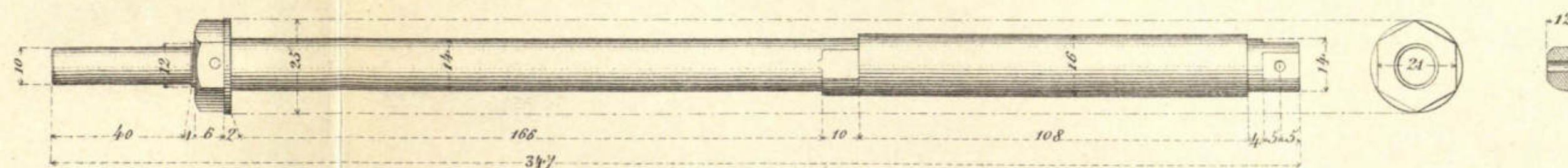
Cuerpo de manivela.
Acero.



Seguro de la manivela.
Acero.

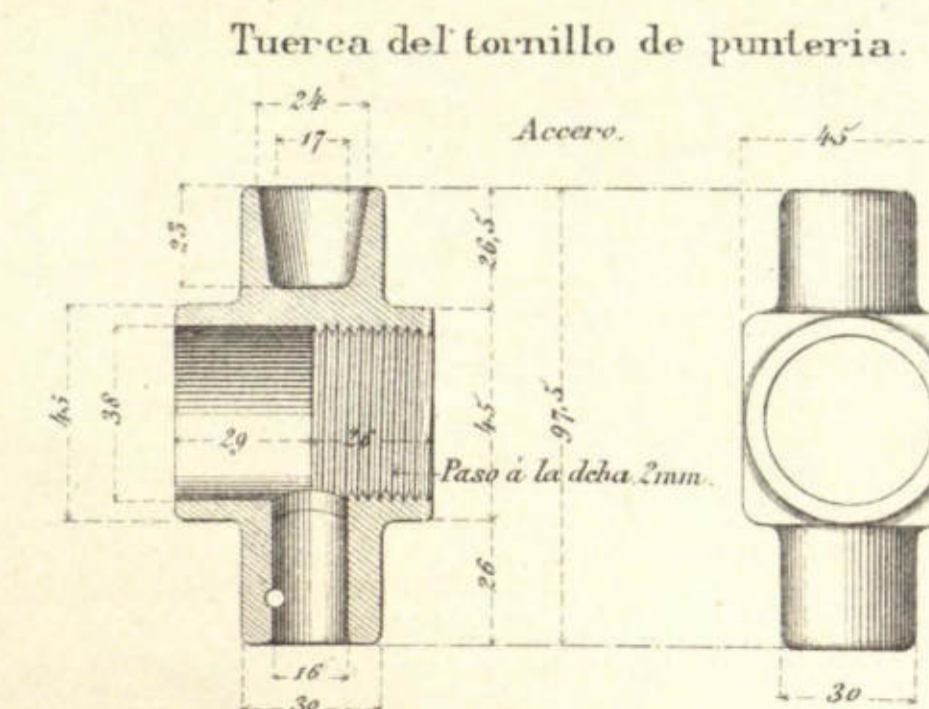
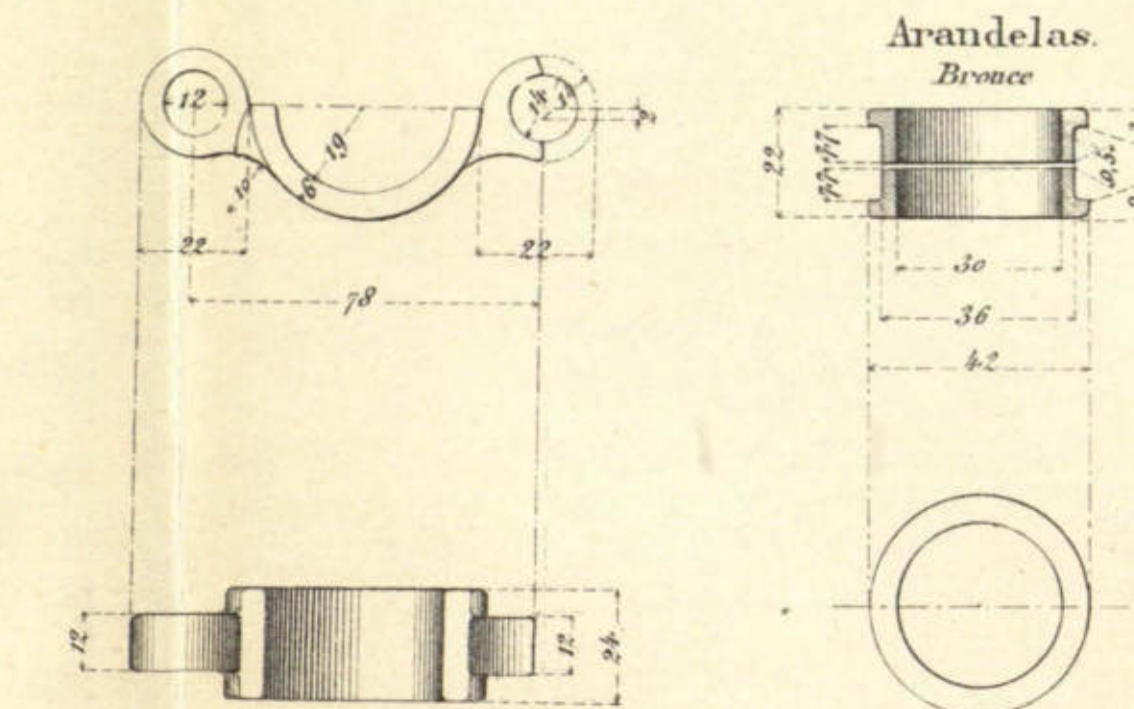
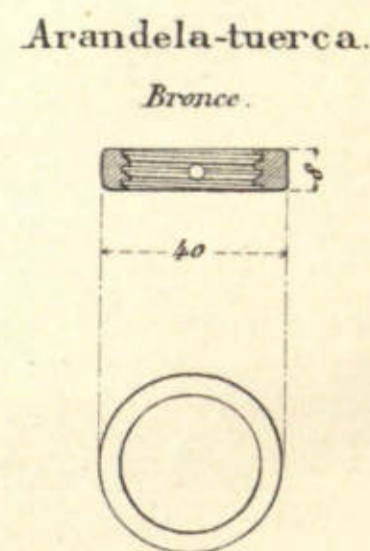
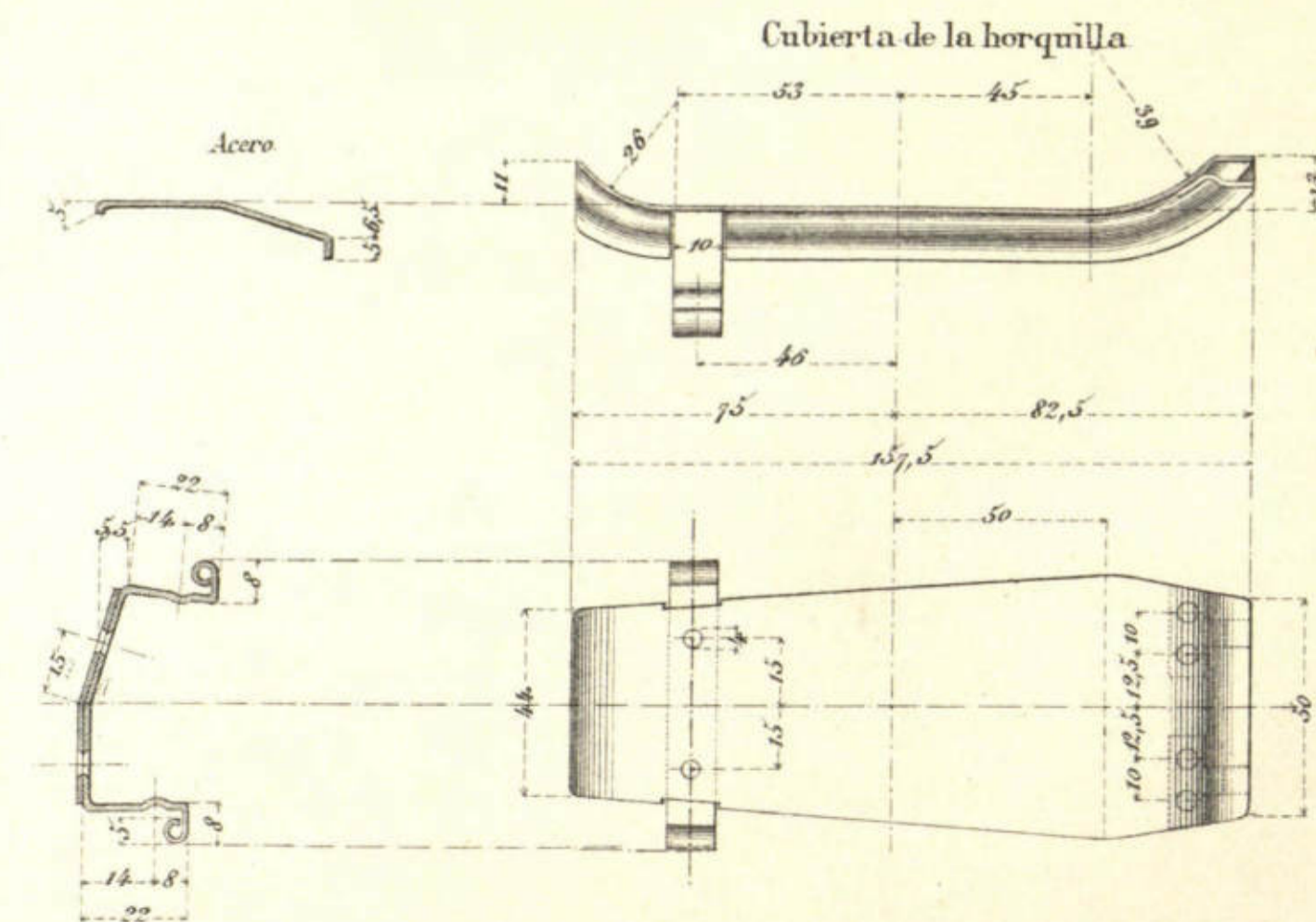
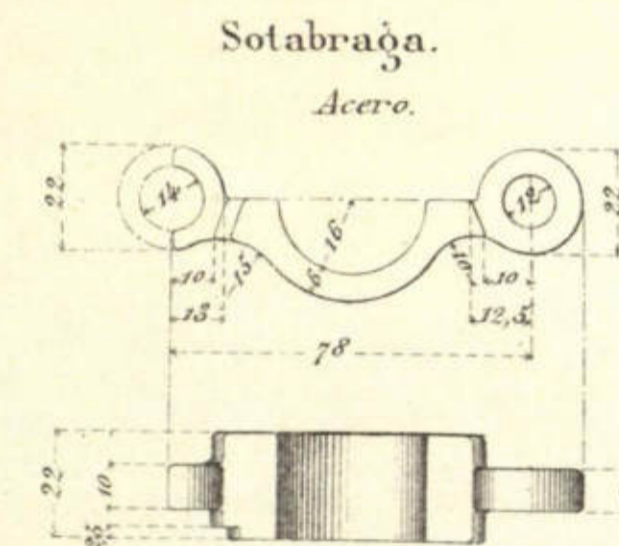
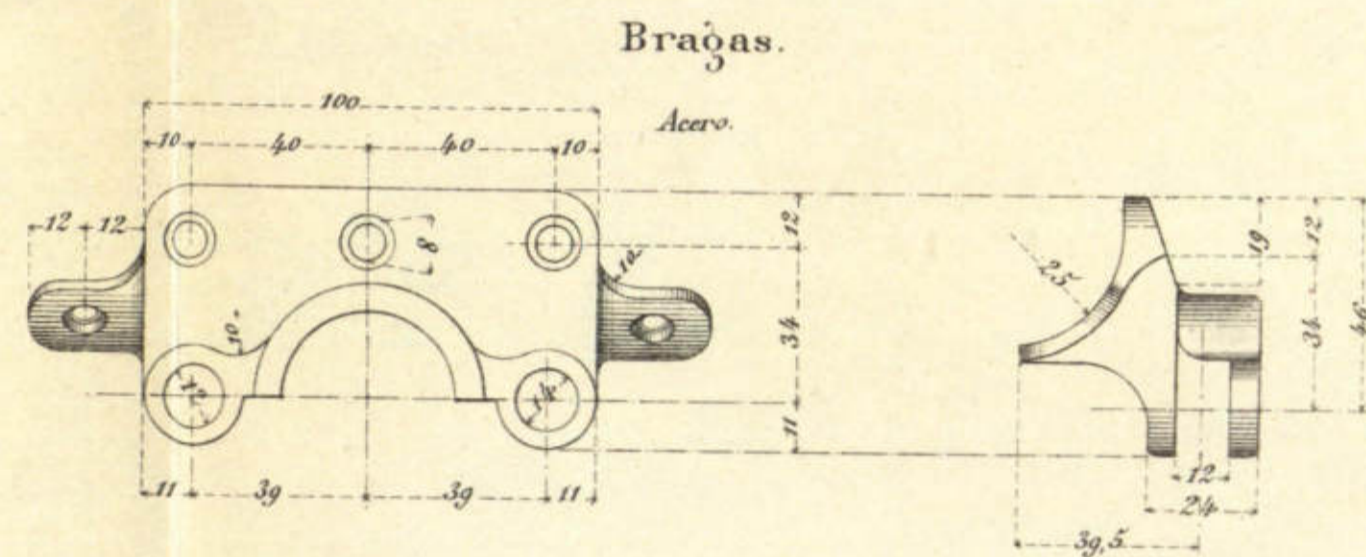
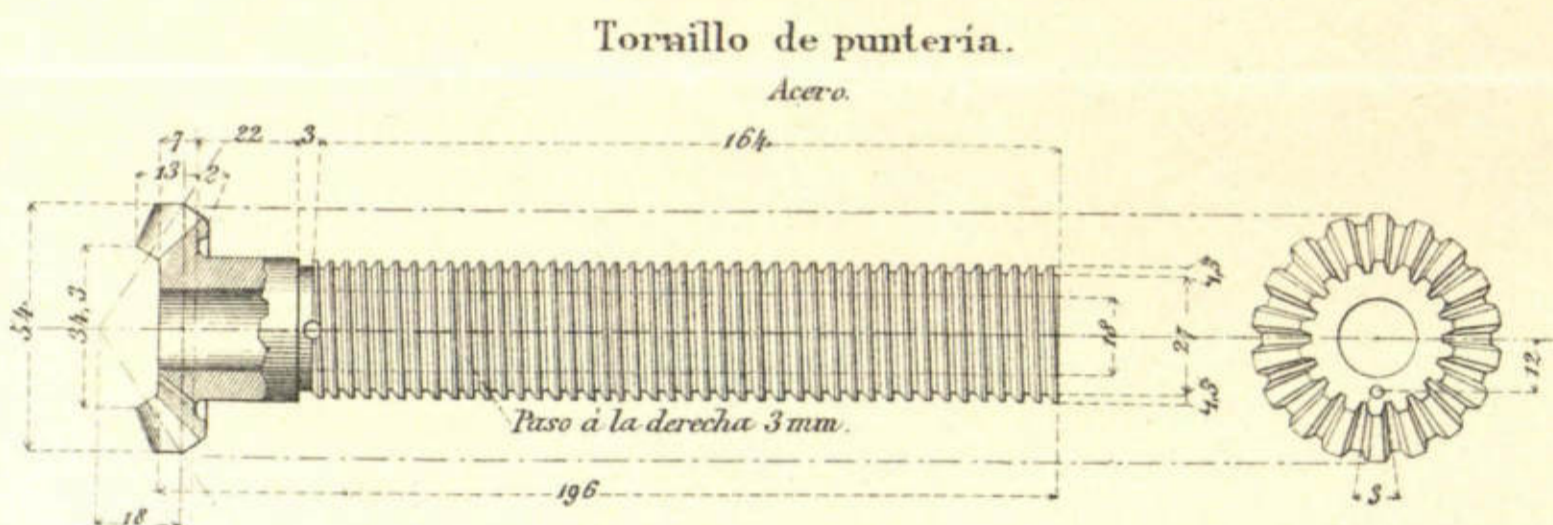
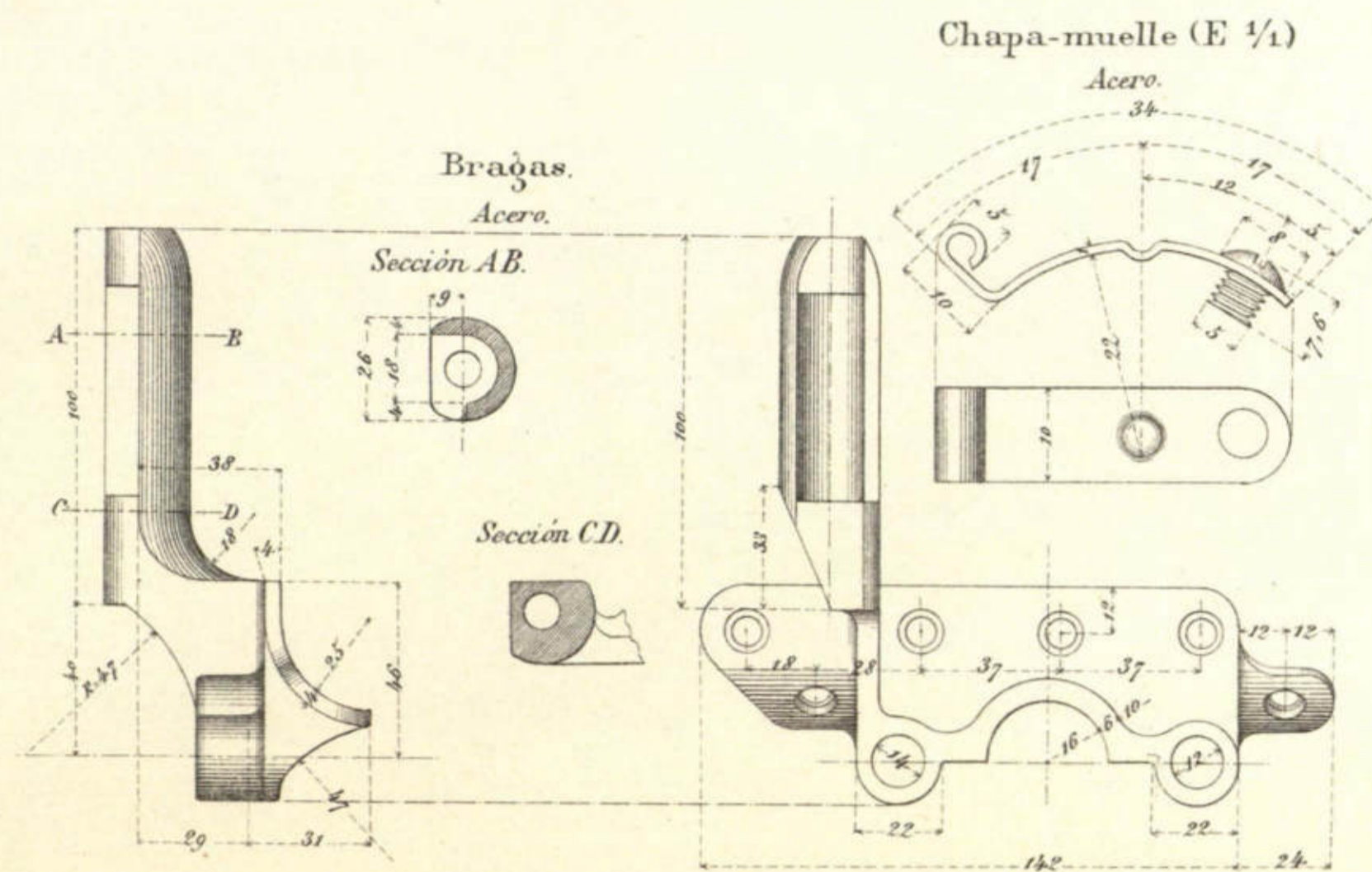
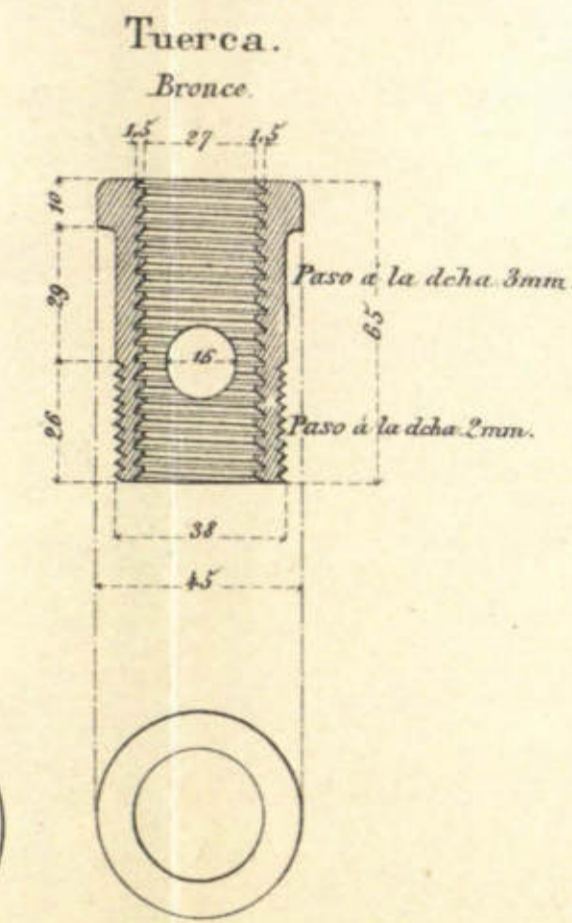
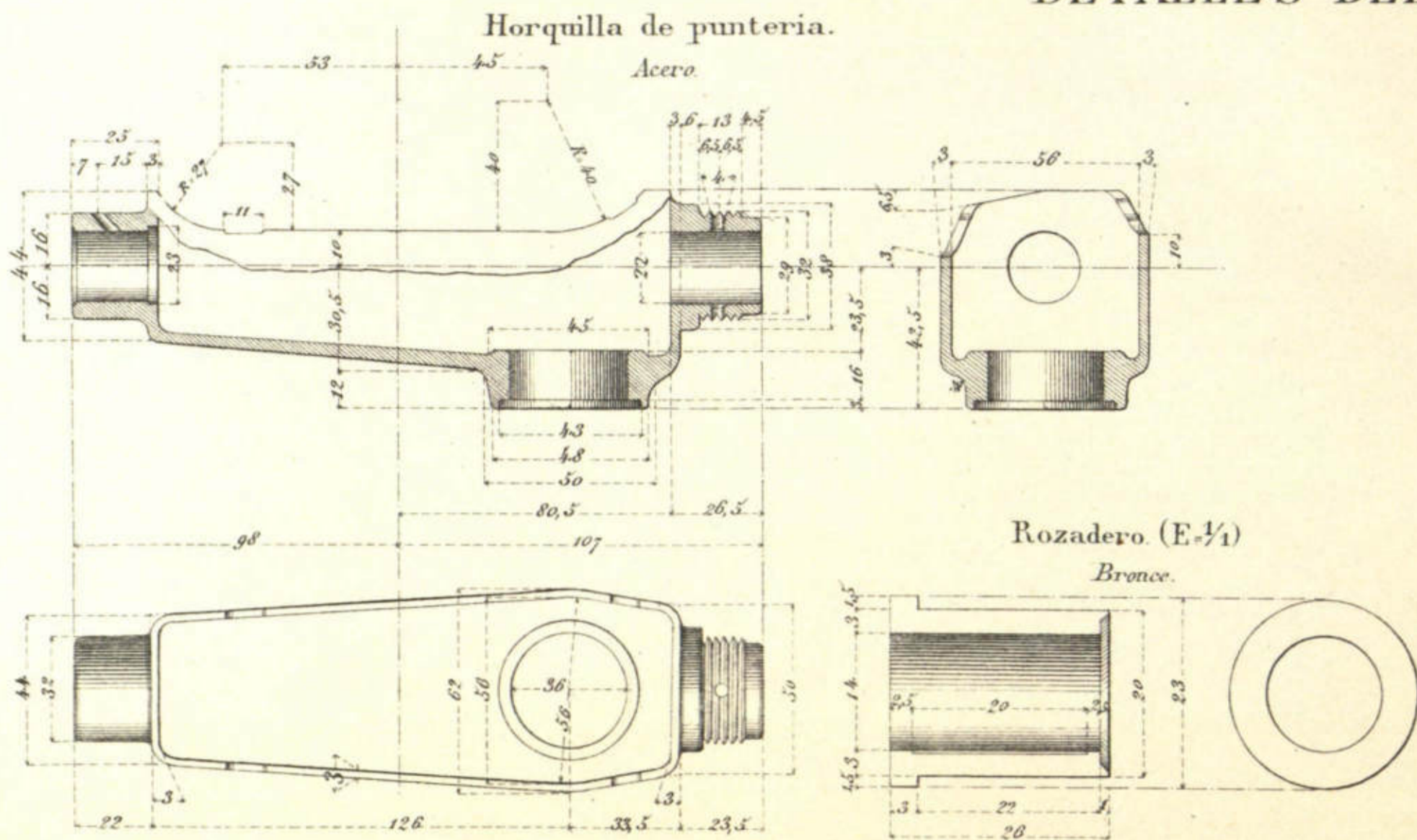


Eje de la horquilla.
Acero.



CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908. DETALLES DEL APARATO DE PUNTERIA.

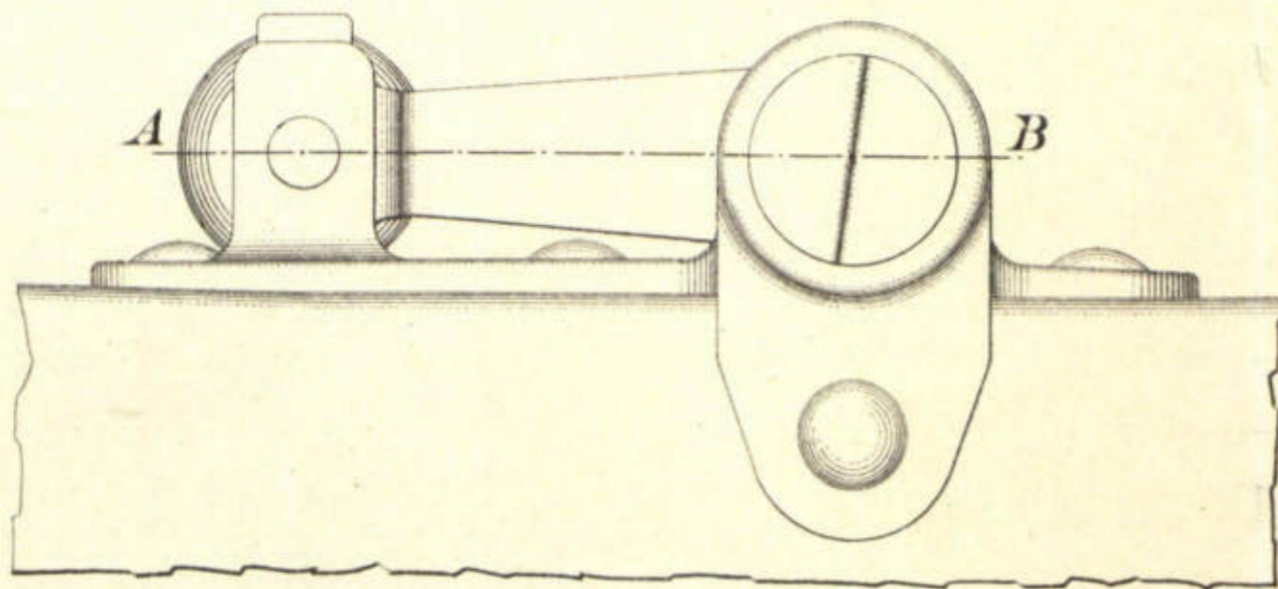
Escala 4/10.



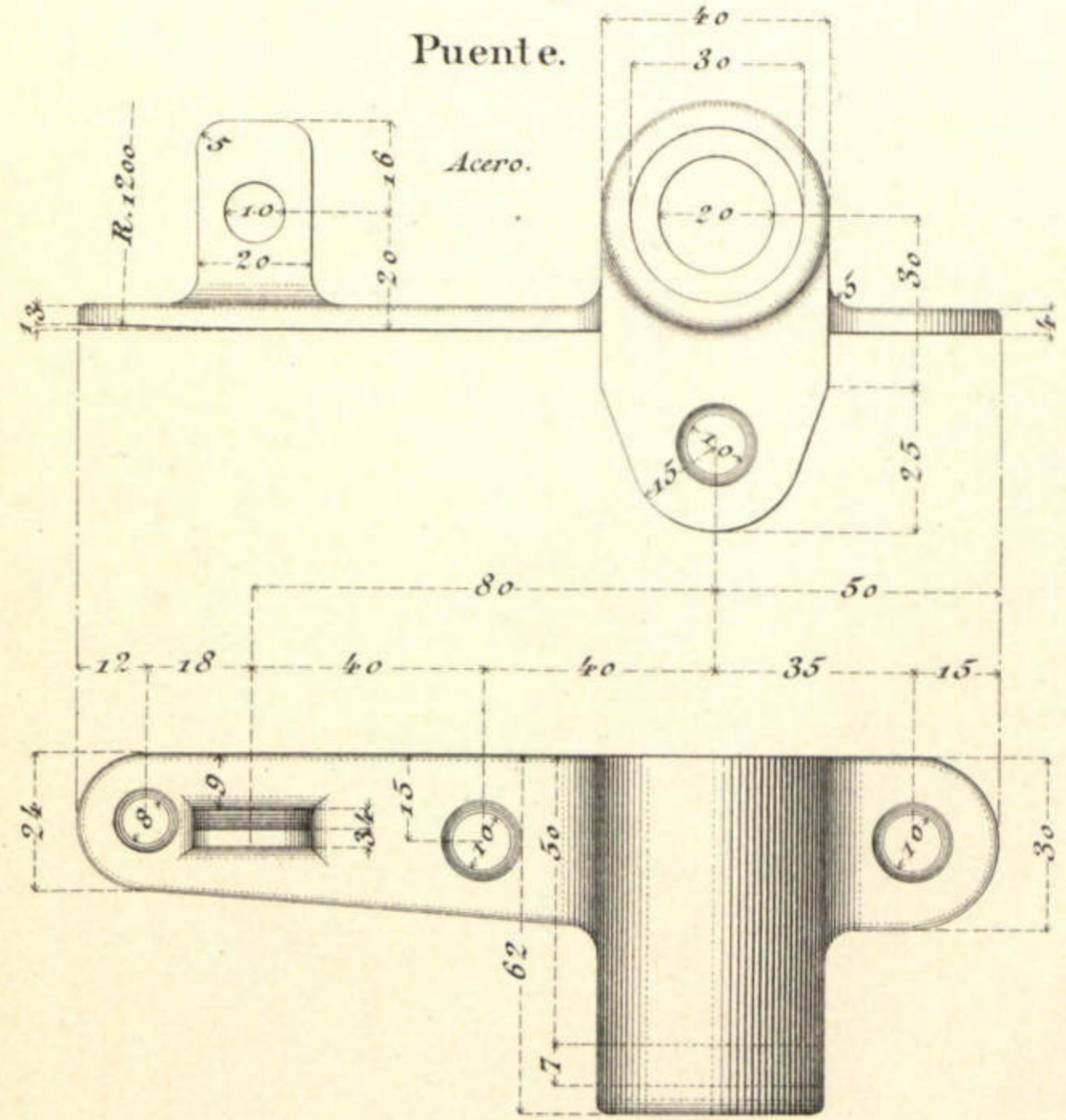
CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

CERROJO PARA INMOVILIZAR LA CUNA

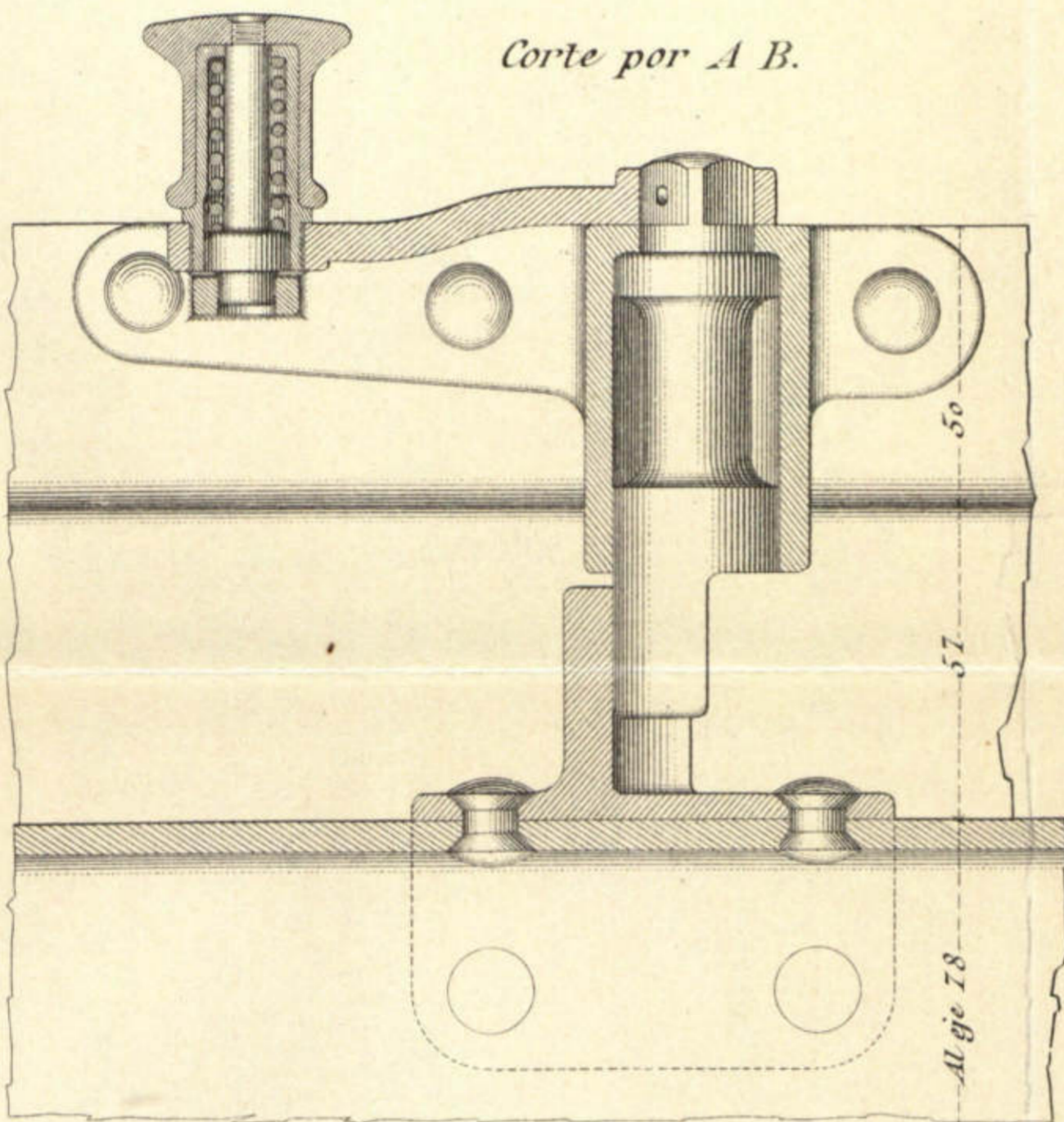
Cerrojo armado.



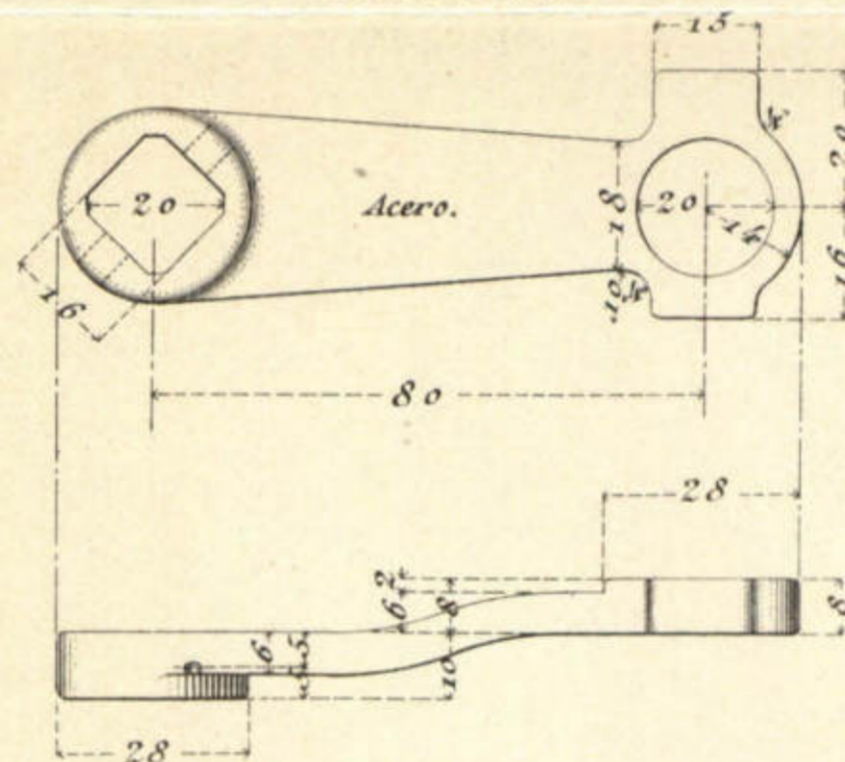
Puente.



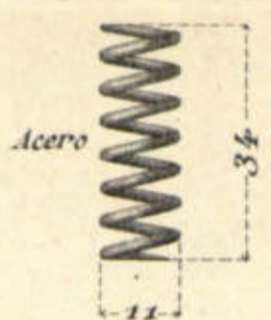
Corte por A B.



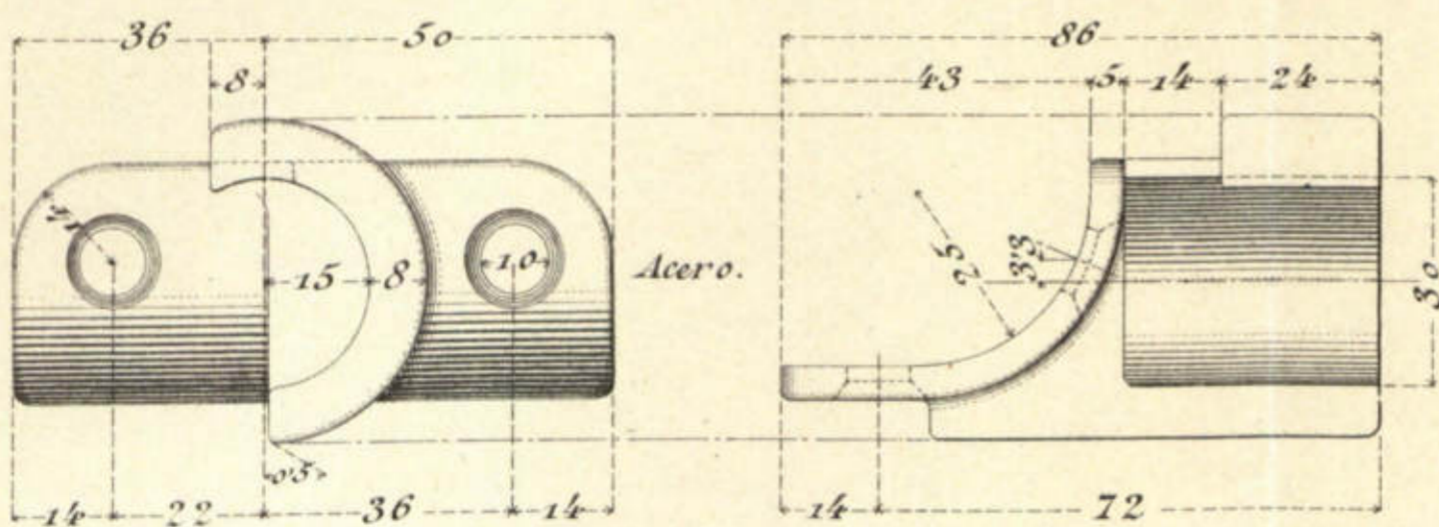
Manivela.



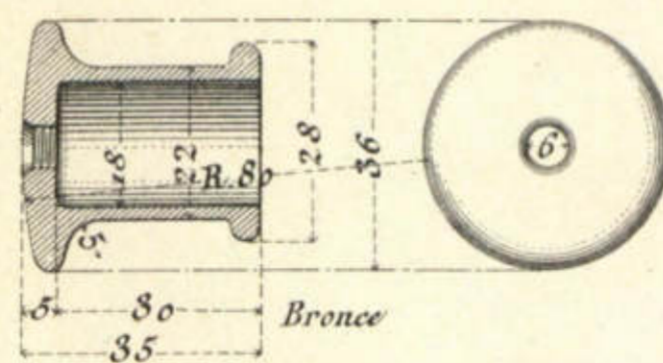
Muelle



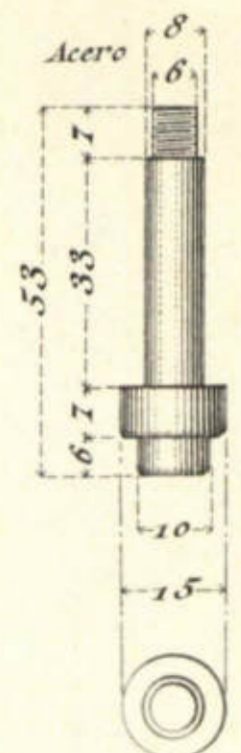
Enganche



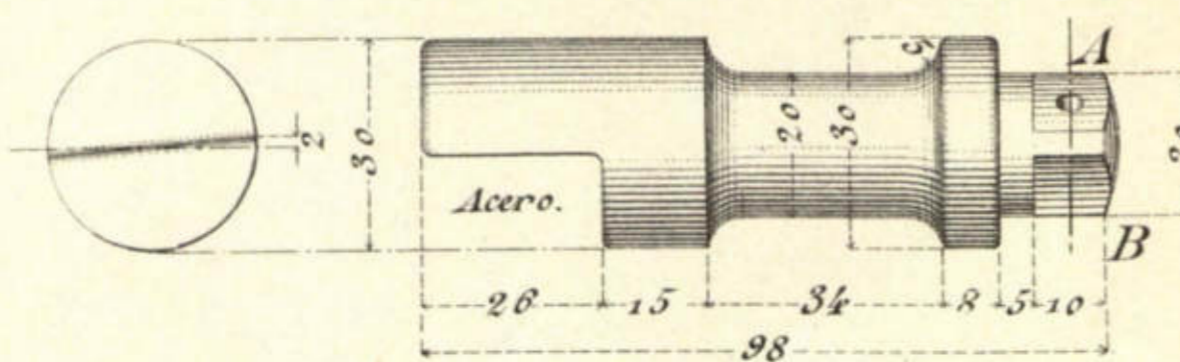
Puño.



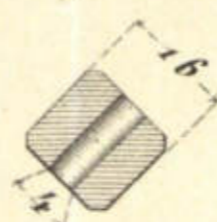
Espiga



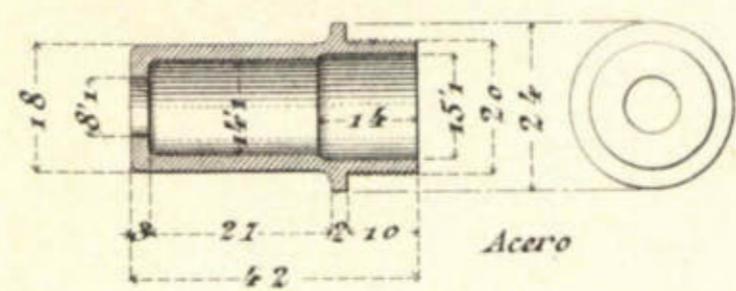
Eje



Corte por A B

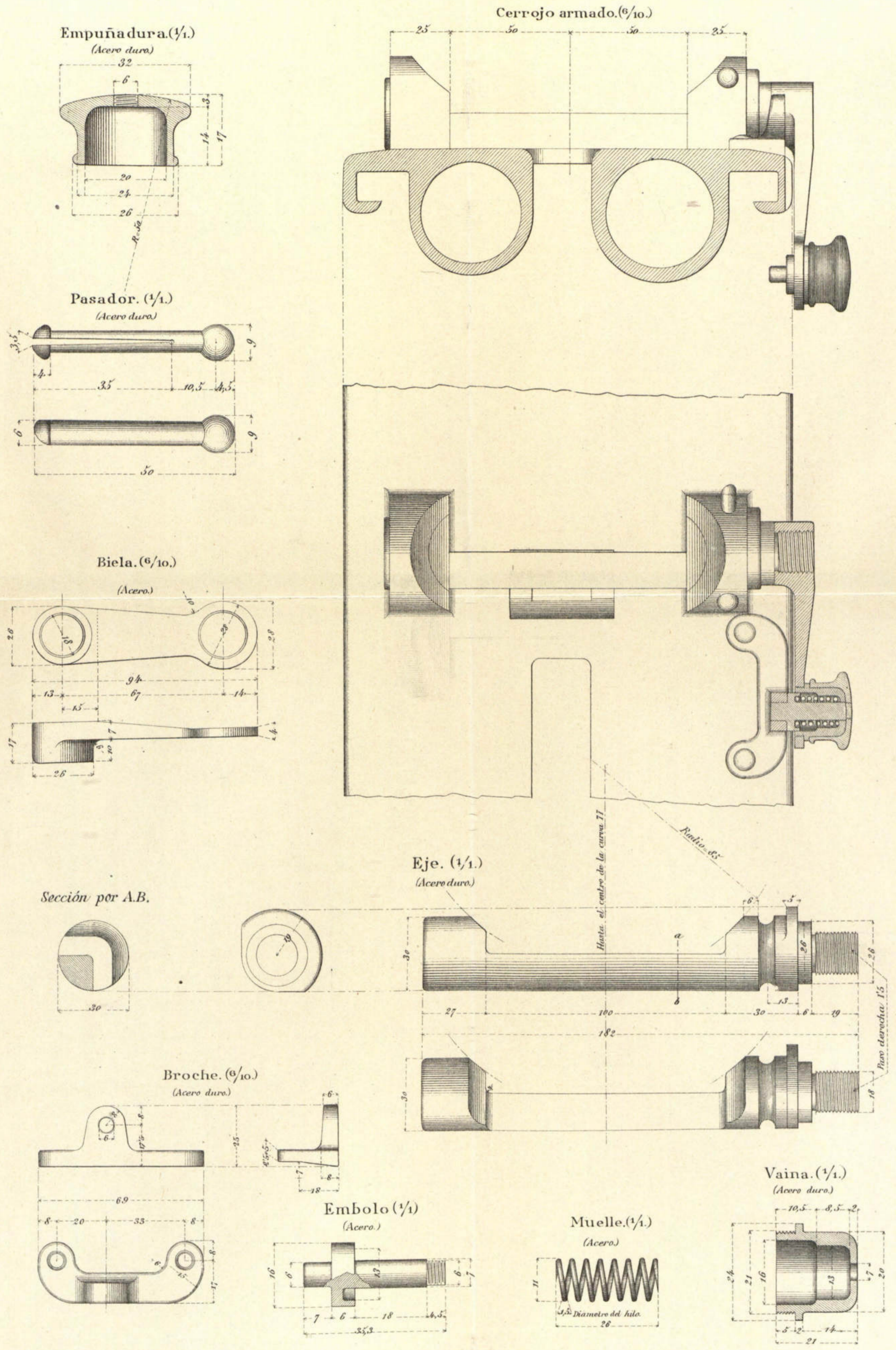


Vaina



CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

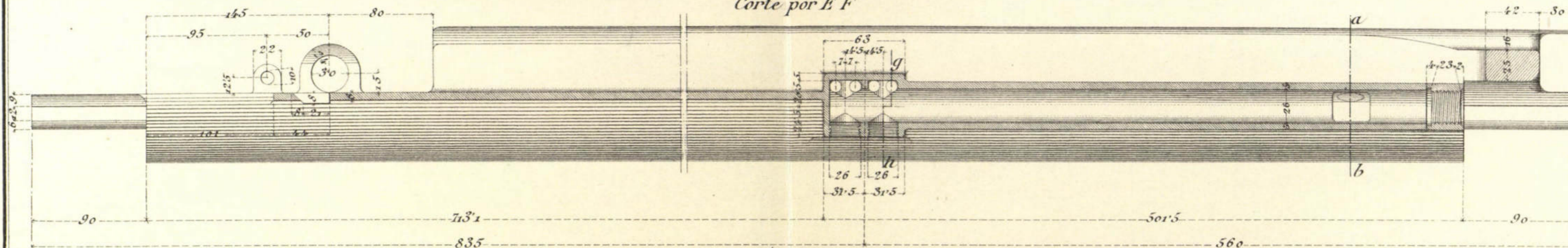
CERROJO PARA SUJETAR EL CAÑÓN AL TRINEO.



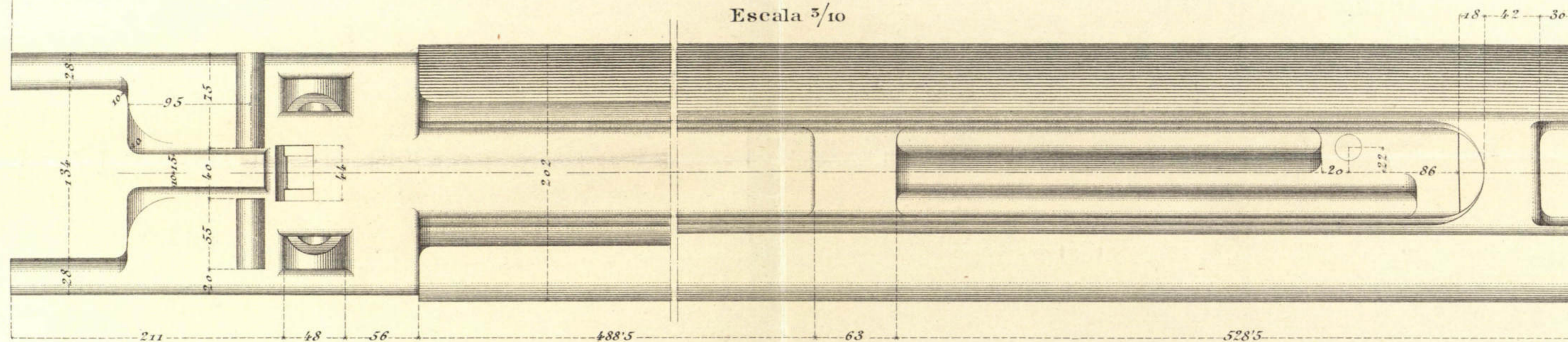
CAÑON Ac. MONTAÑA 7 cm. MODELO 1908

TRINEO

Corte por E F

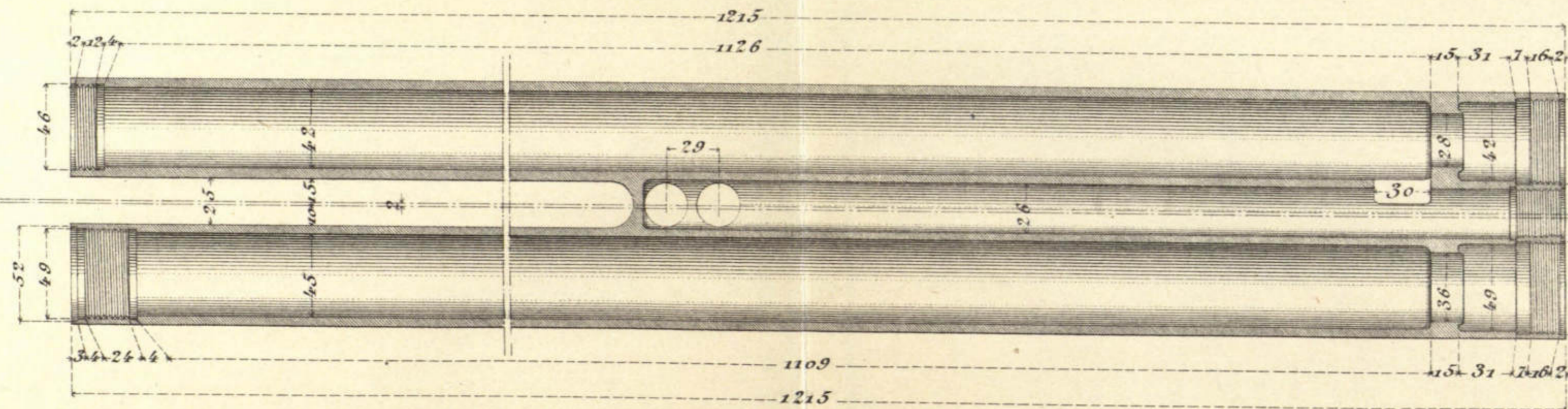
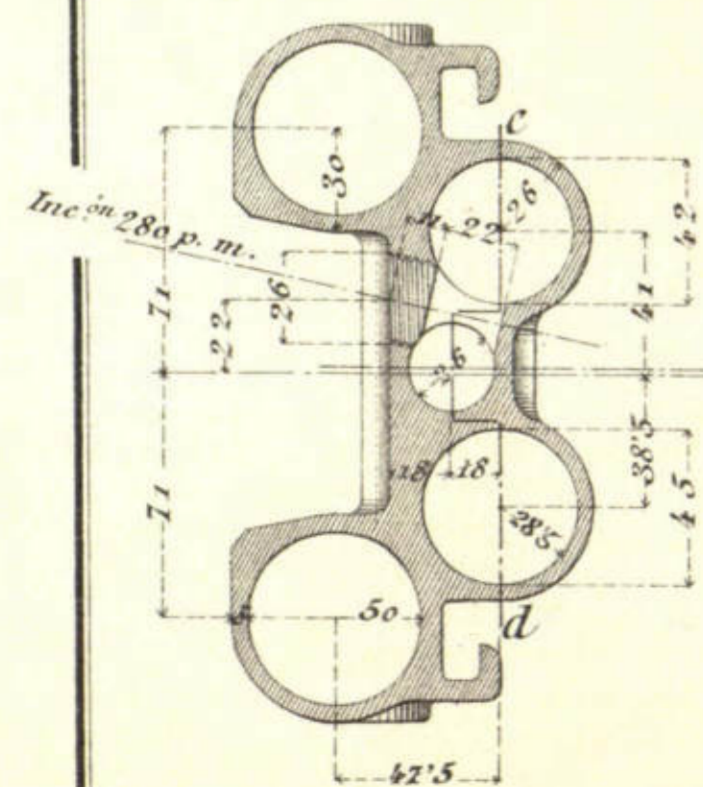


Escala 3/10

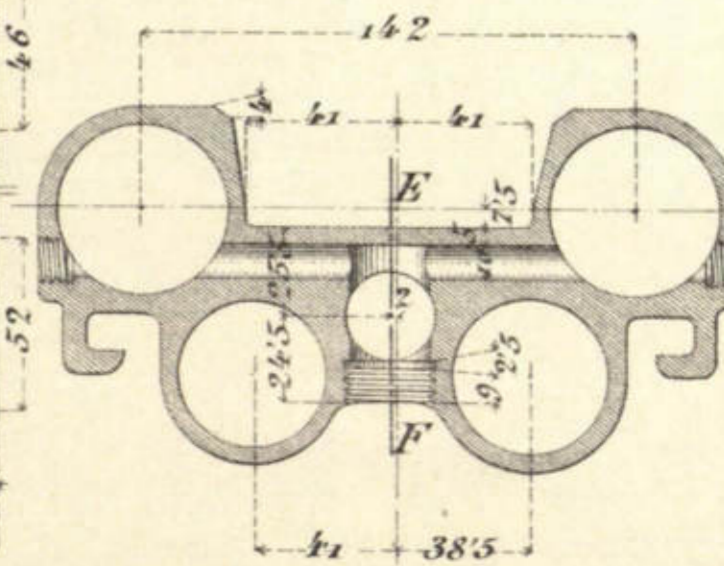


Corte por a b

Corte por c d

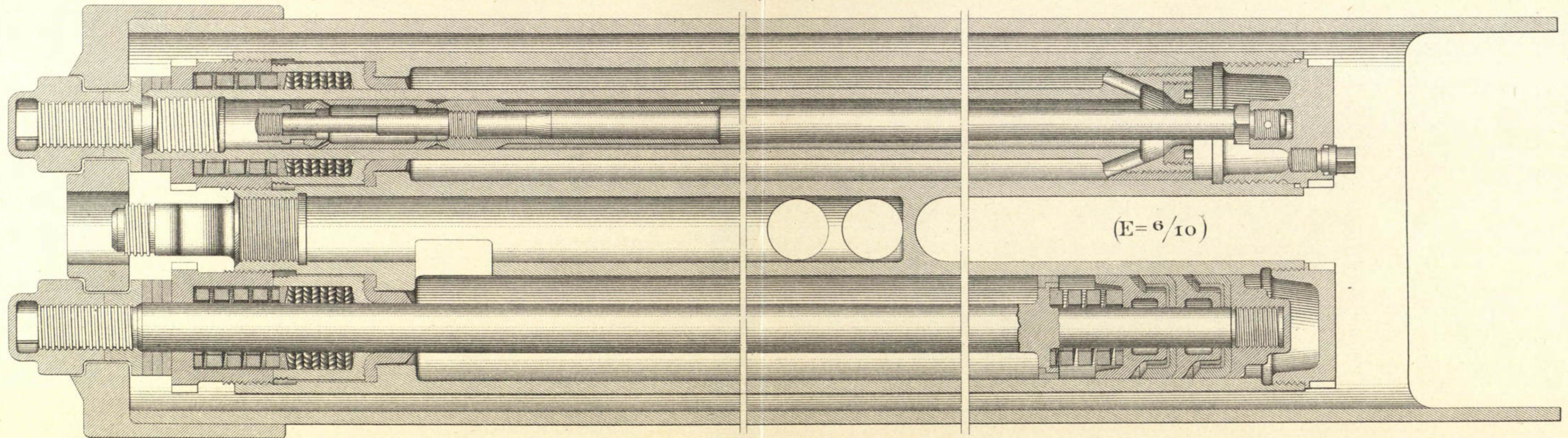


Corte por g h

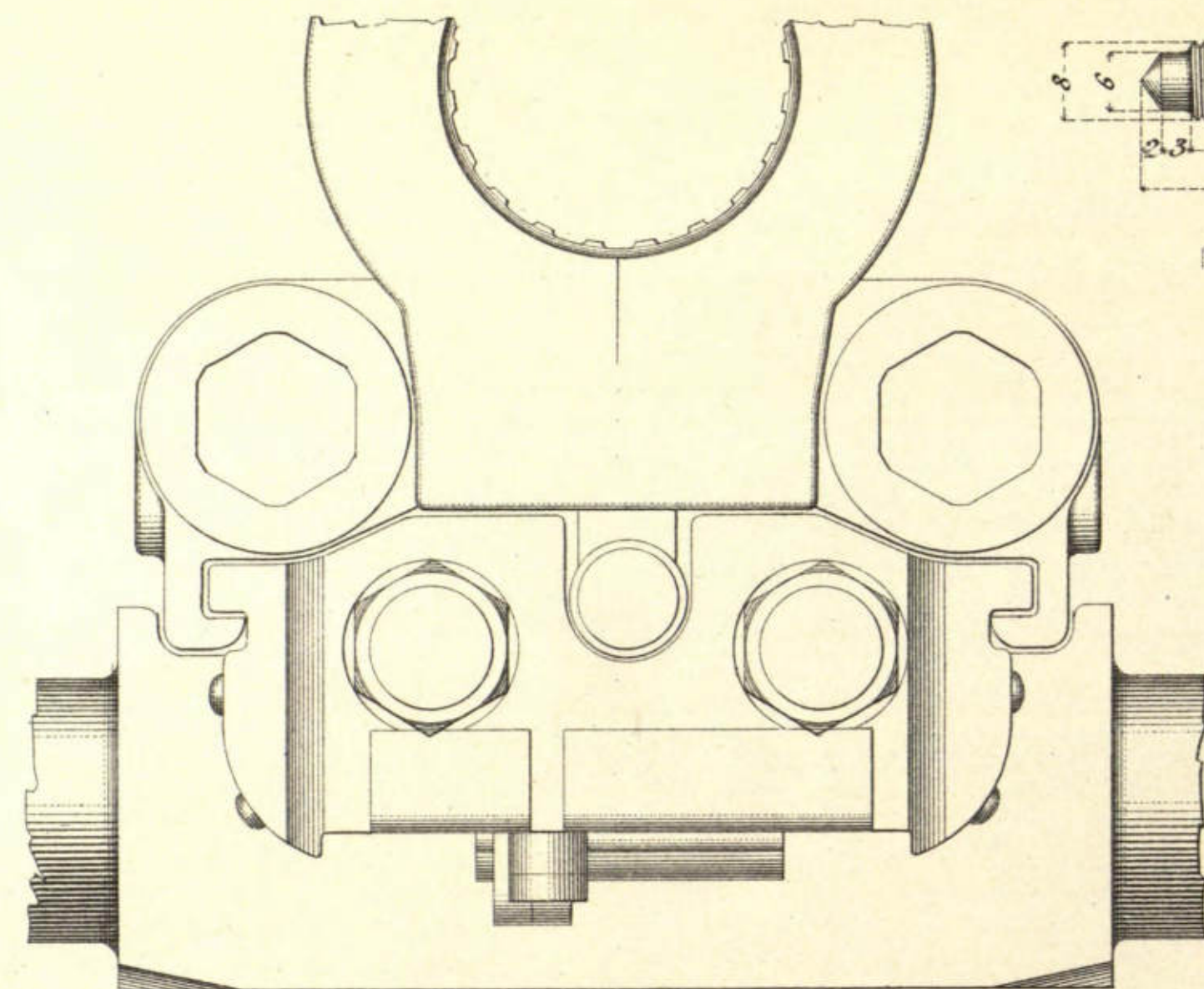


CAÑON Ac. MONTAÑA 7 cm. MODELO 1908

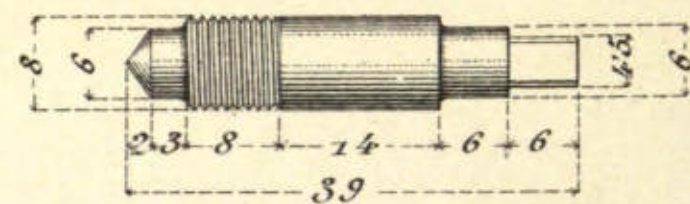
FRENO RECUPERADOR



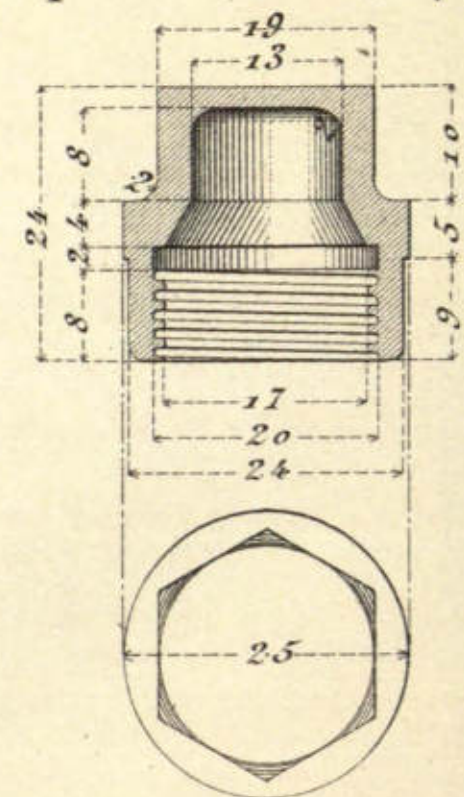
Vista de frente $(E = 1/2)$



Válvula $(E = 1/1)$

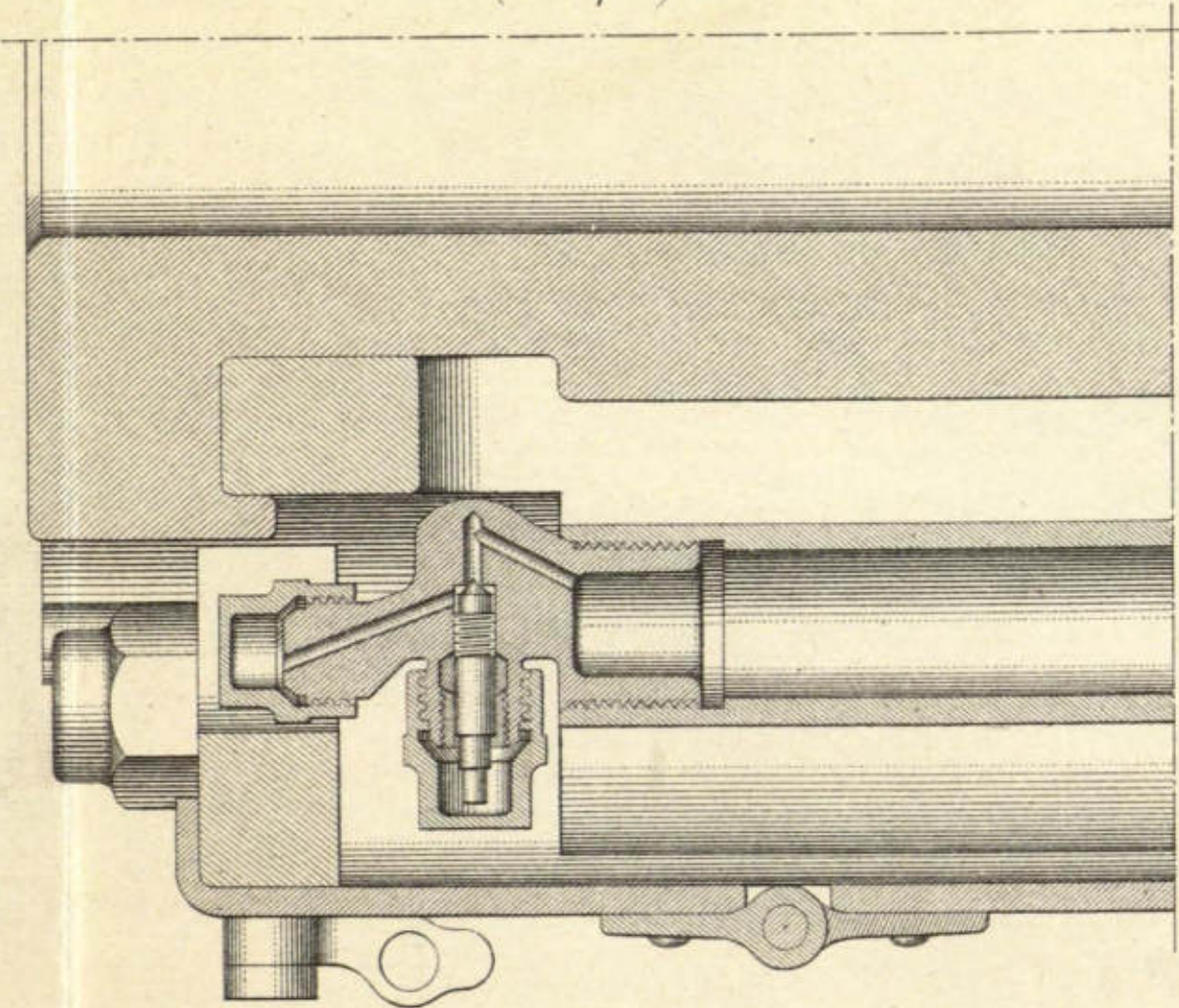


2 Tapones roscados $(E = 1/1)$

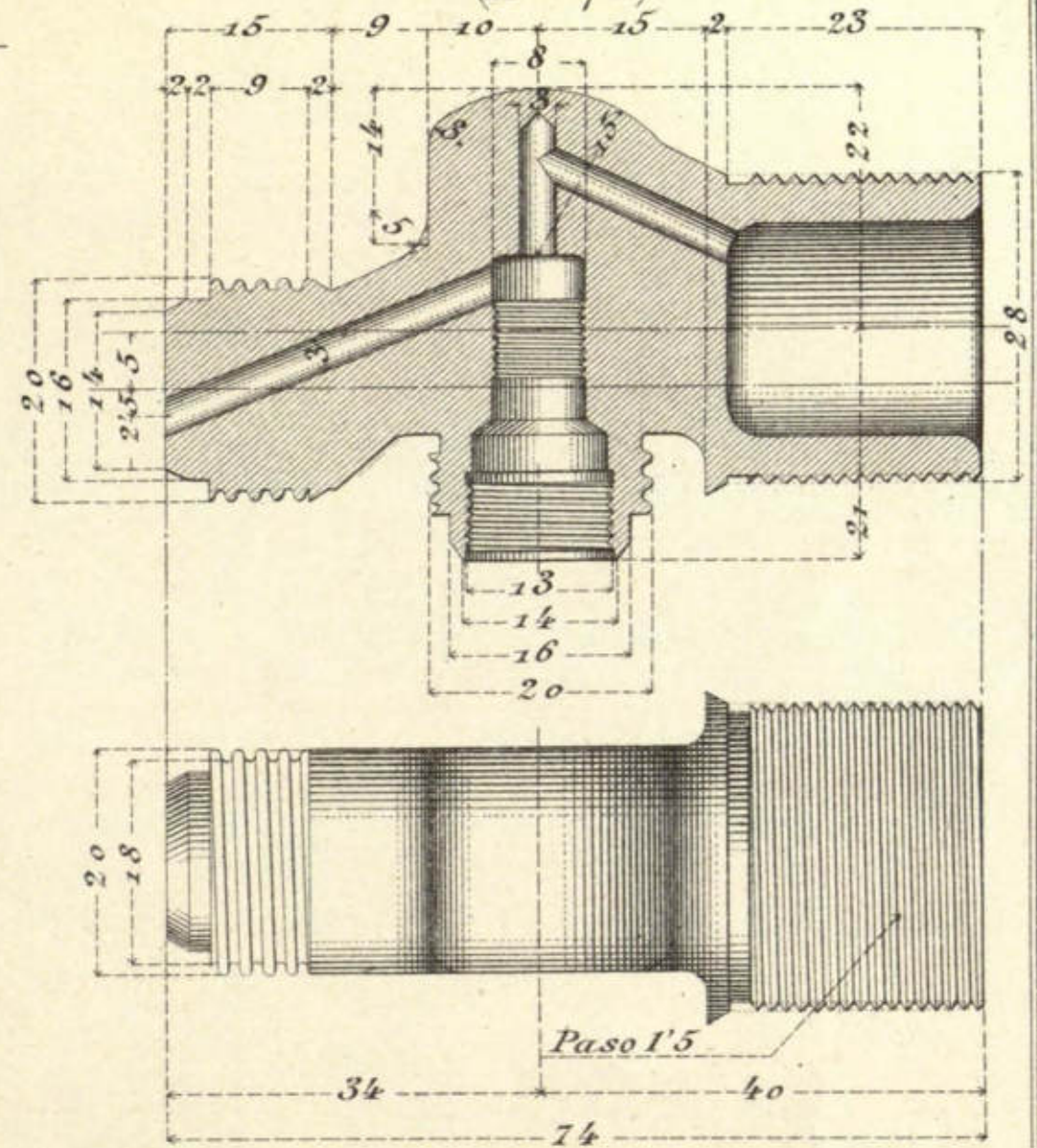


Caja de la válvula

$(E = 1/2)$



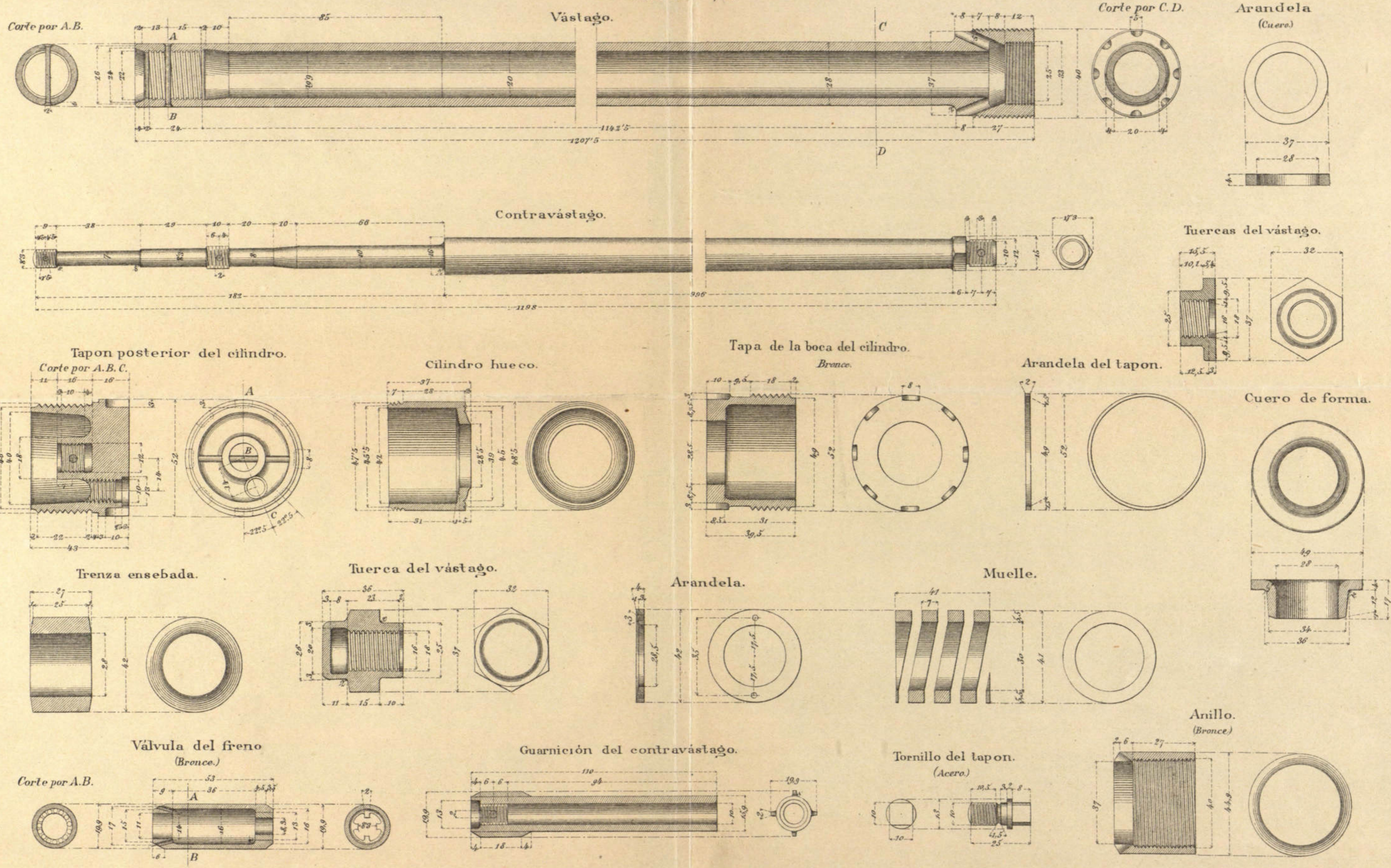
$(E = 1/1)$



CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

DETALLES DEL FRENO.

Escala 6/10.



CAÑÓN AG. MONTAÑA 7 cm. MODELO 1908.

DETALLES DEL RECUPERADOR

Vástago del recuperador

Corte por A.B.



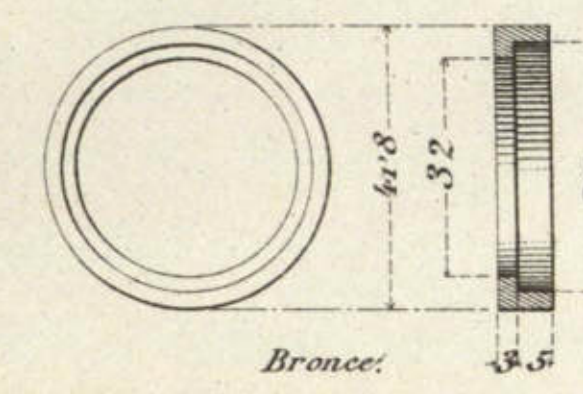
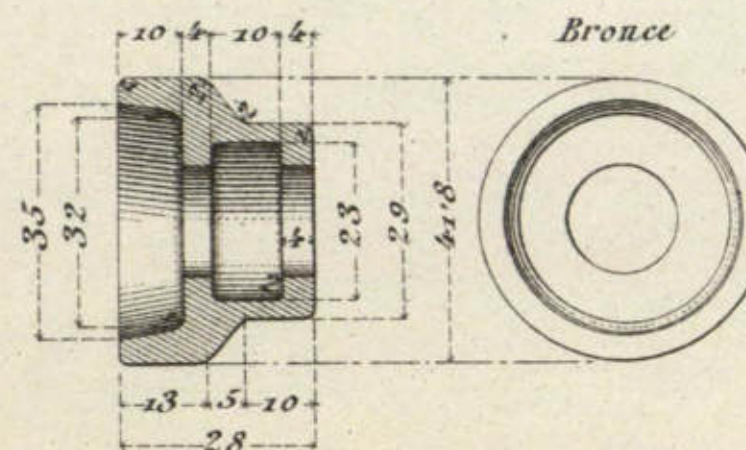
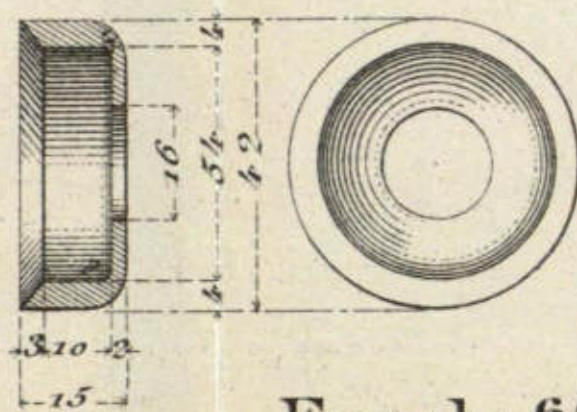
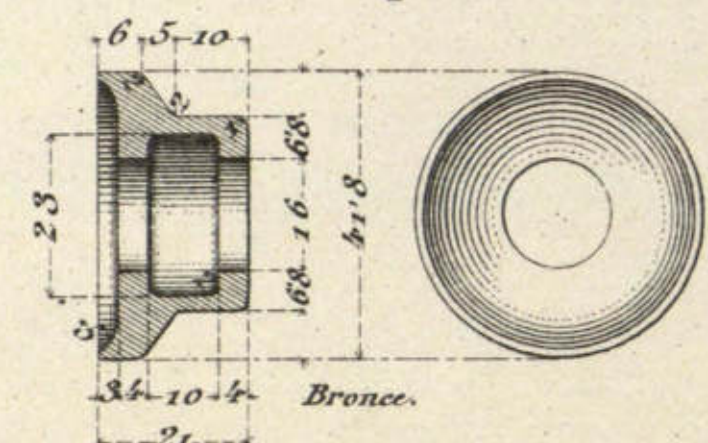
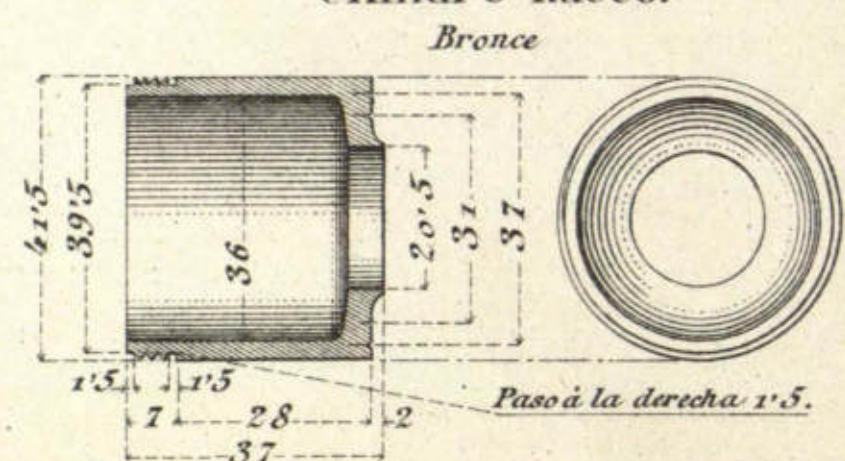
Cilindro hueco.

Copela.

Cuero de forma.

Copela compresora del muelle.

Guarnición del vástago.



Escala $\frac{6}{10}$

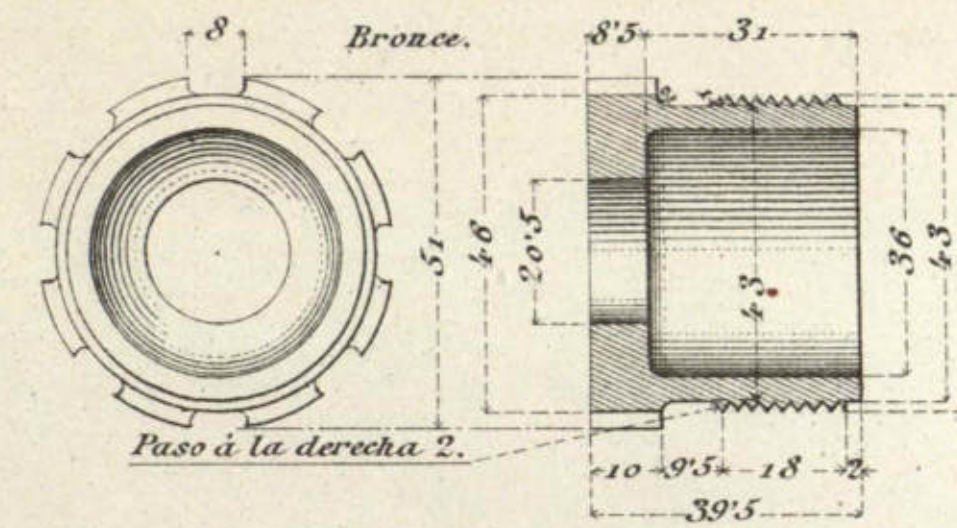
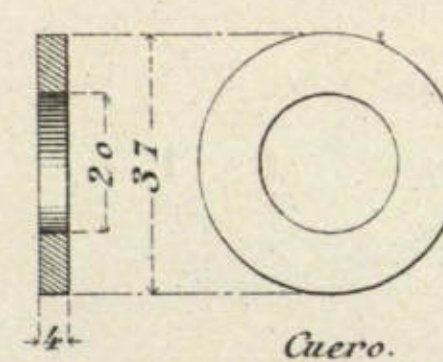
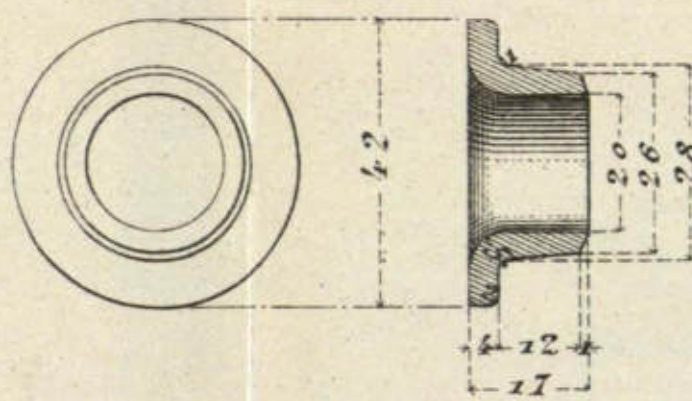
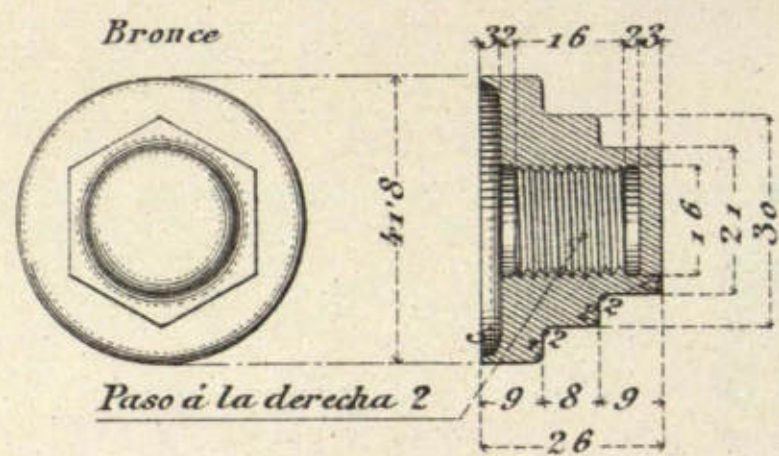
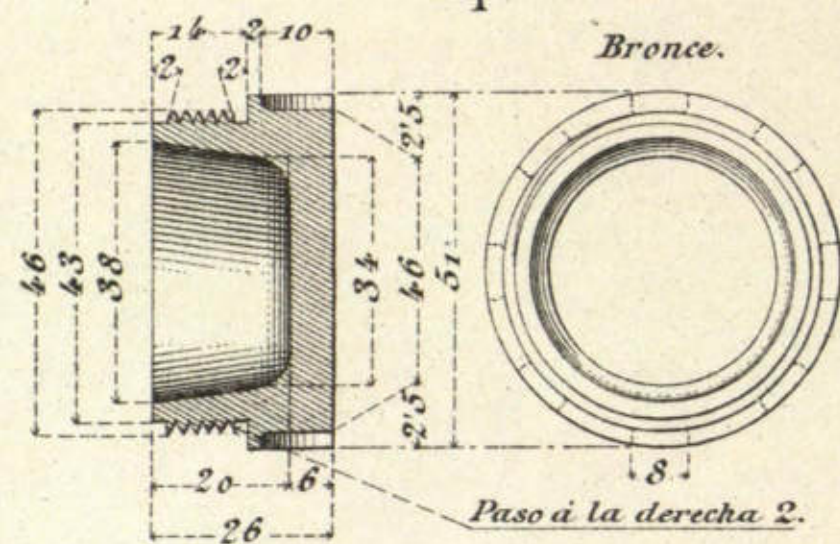
Tapón.

Tuerca del vástago.

Cuero de forma.

Arandela.

Tapa de la boca del cilindro



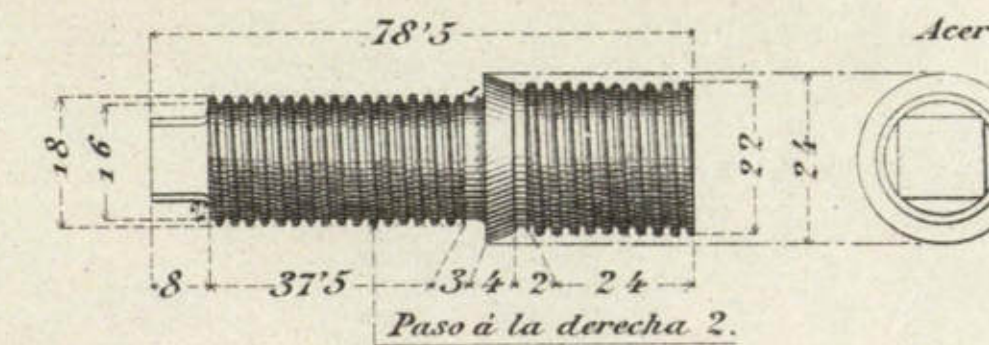
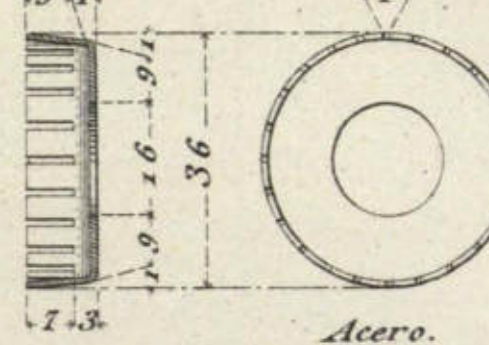
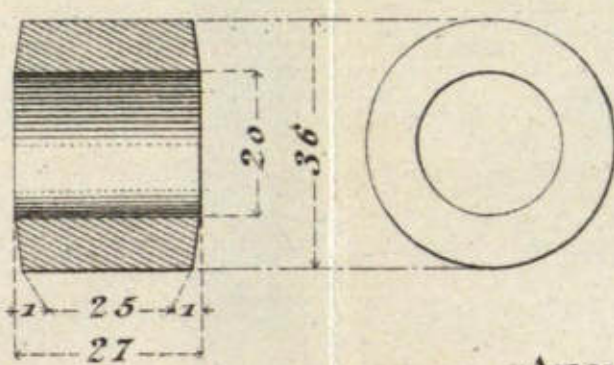
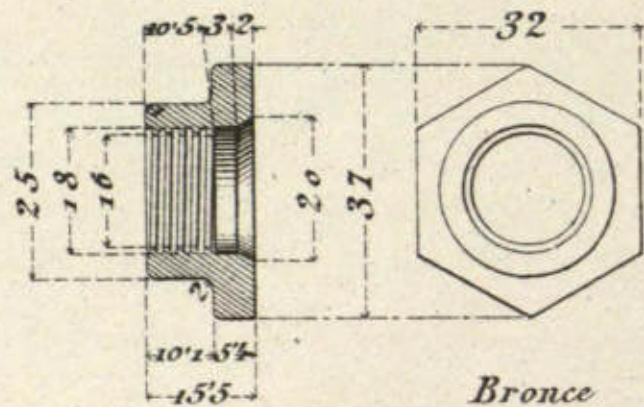
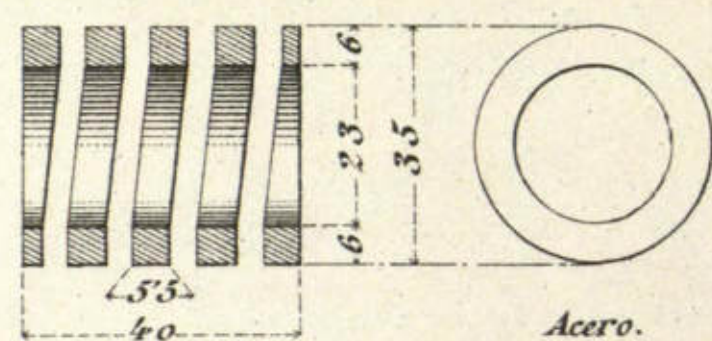
Muelle del vástago.

Tuerca del vástago.

Trenza ensebada.

Muelle.

Tornillo para fijar el vástago



Tuerca de la válvula.

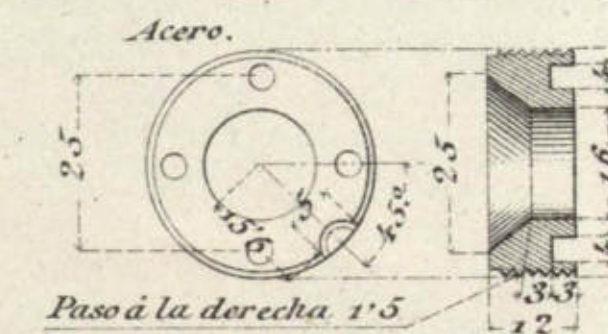
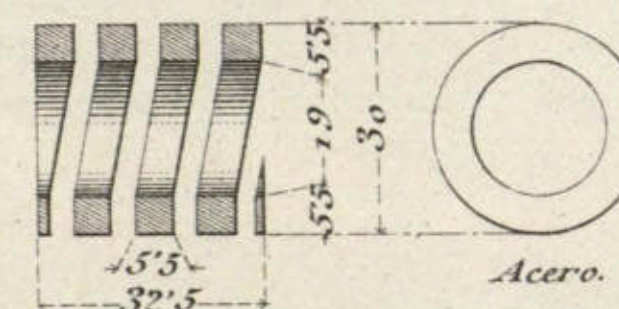
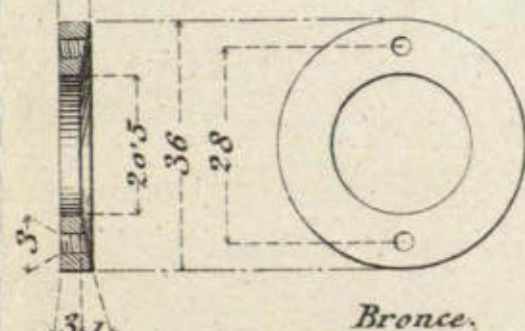
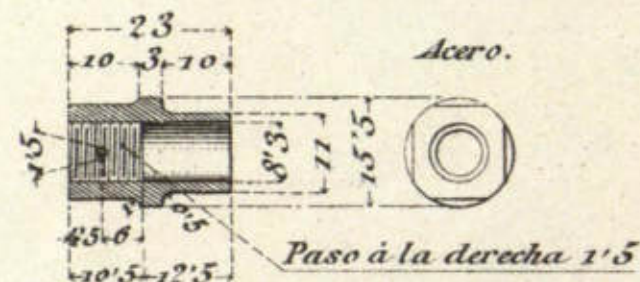
Arandela.

Muelle helicoidal.

Arandela.

Muelle de la caja de estopas.

Tornillo del contravástago.



CAÑÓN Ac. MONTAÑA DE 7 cm. Md. 1908

DETALLES DE LA CUREÑA

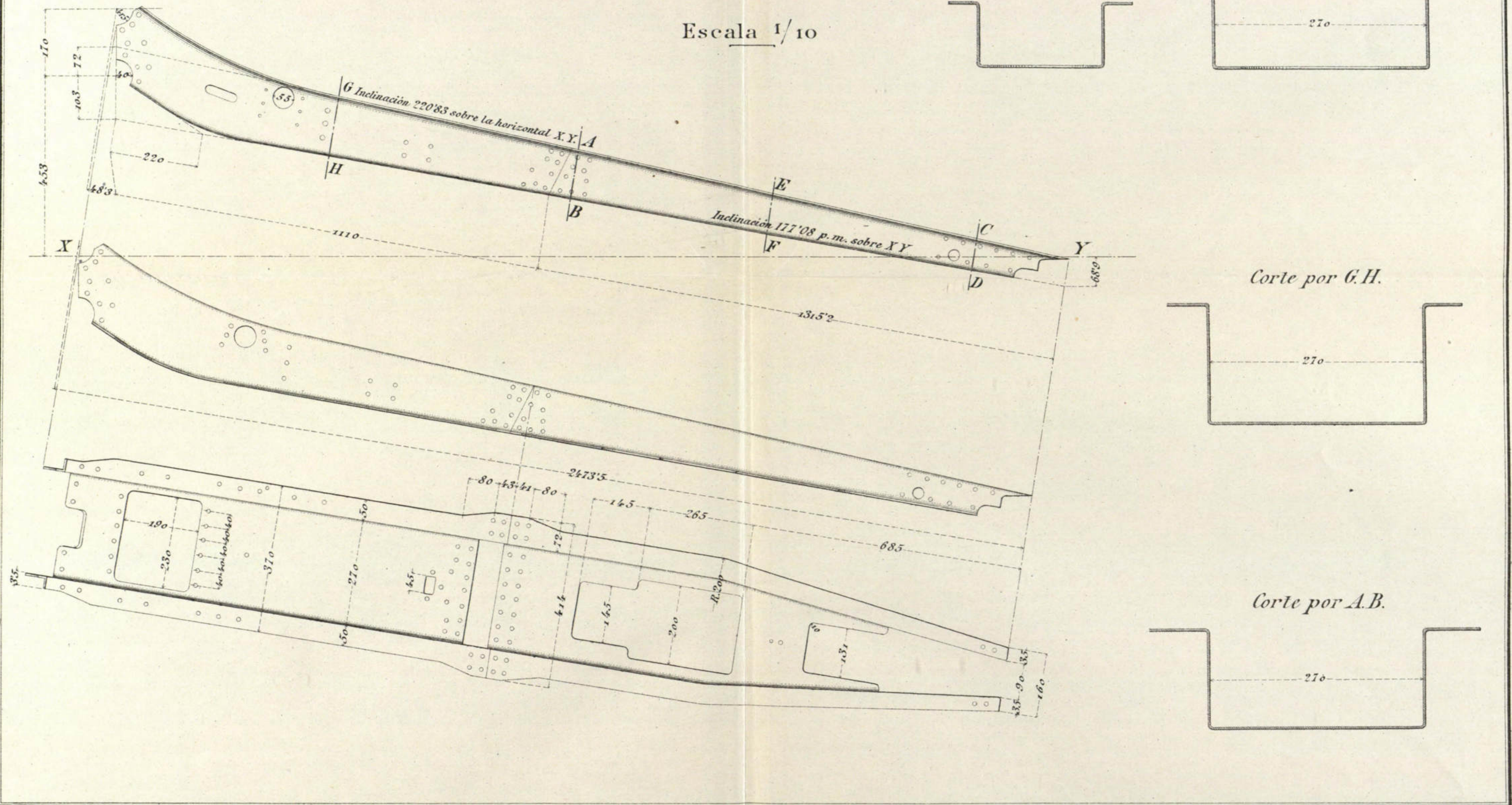
Escala $\frac{1}{10}$

Corte por C.D.

Corte por E.F.

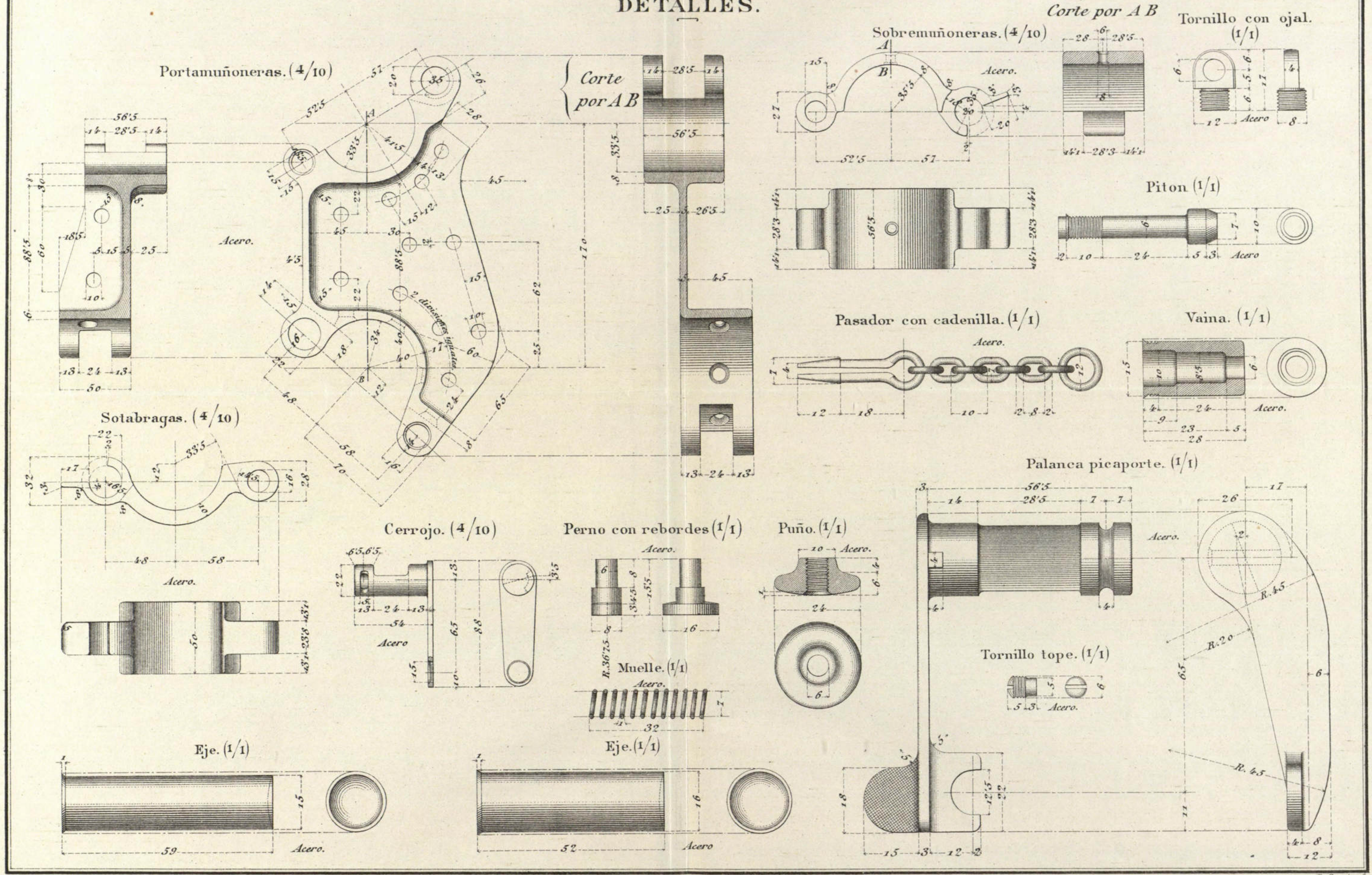
Corte por G.H.

Corte por A.B.



CAÑÓN Ac. MONTAÑA 7 cm. Md. 1908

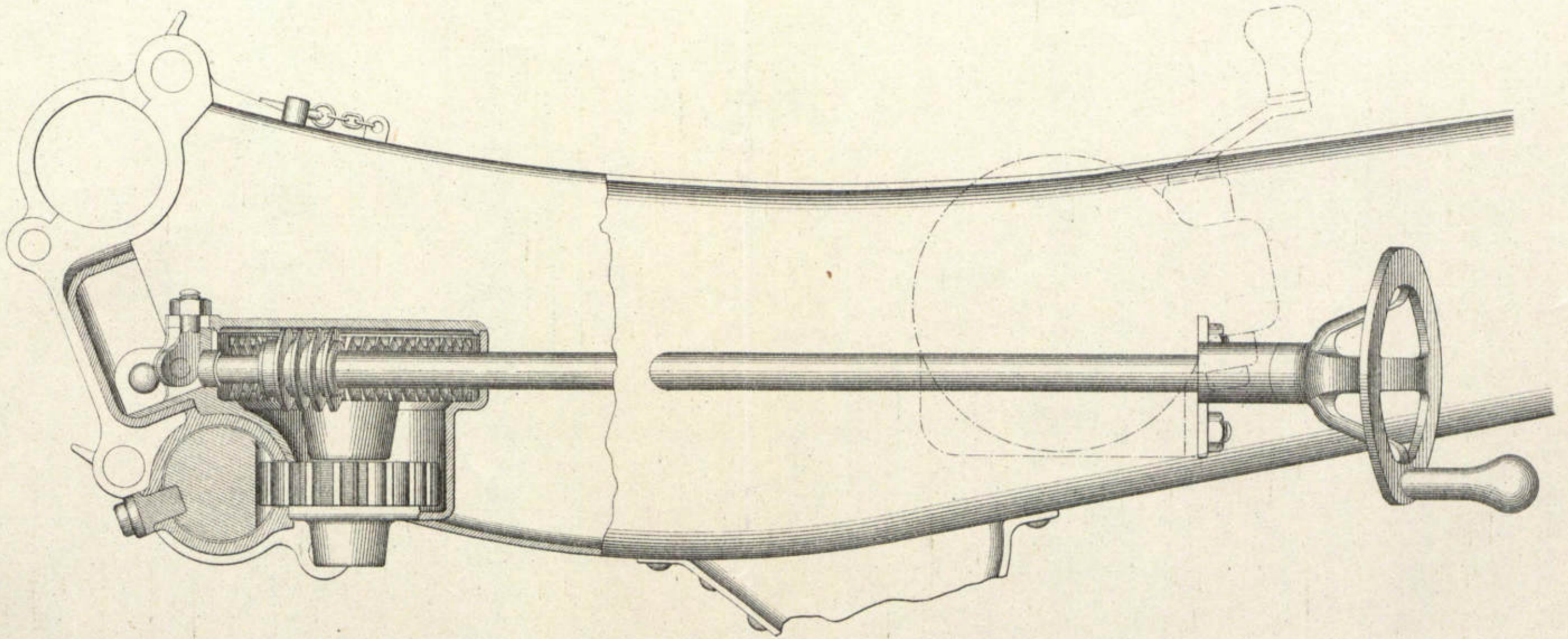
DETALLES.



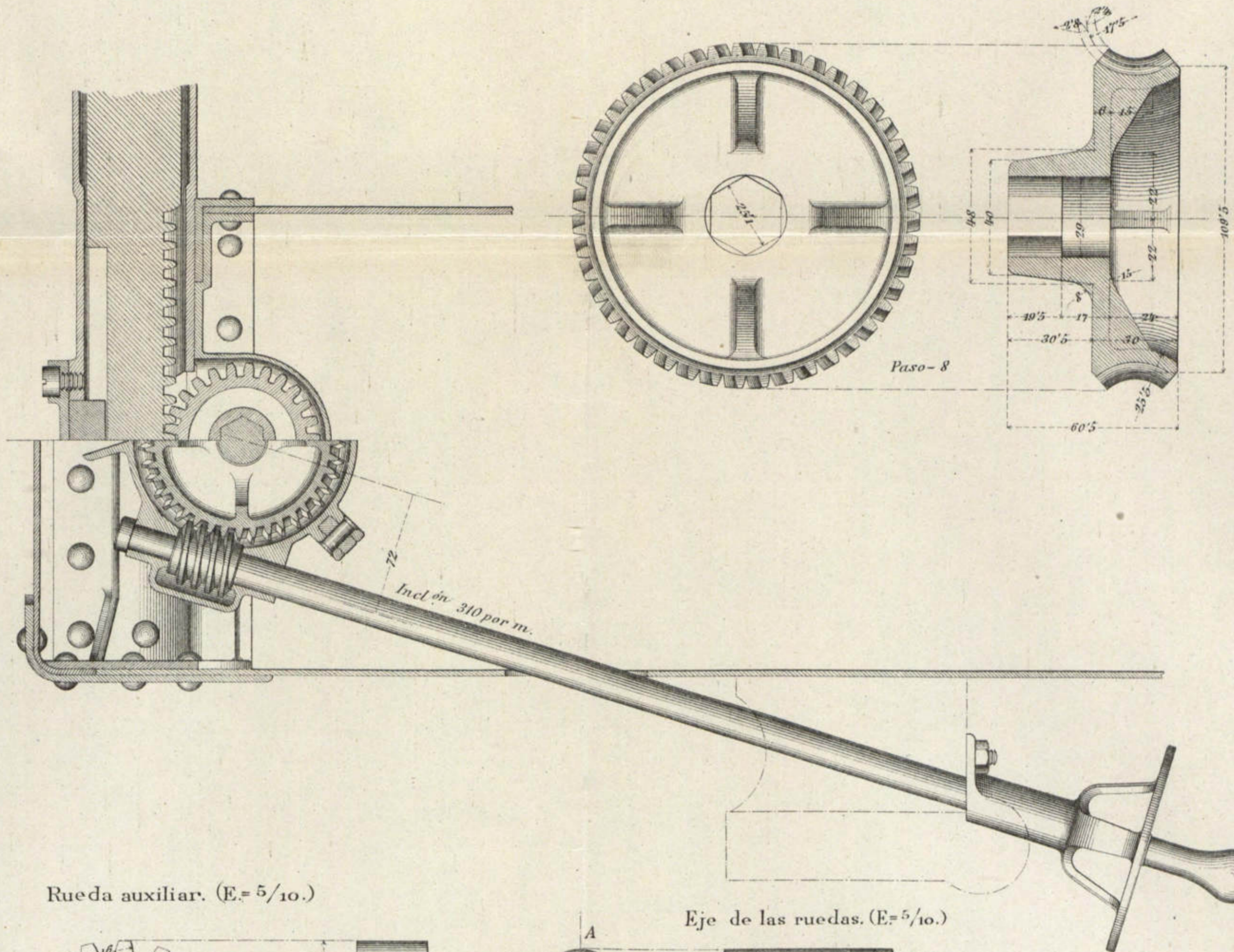
CAÑON Ac. MONTAÑA 7 cm. Md. 1908.

APARATO DE PUNTERIA EN DIRECCION.

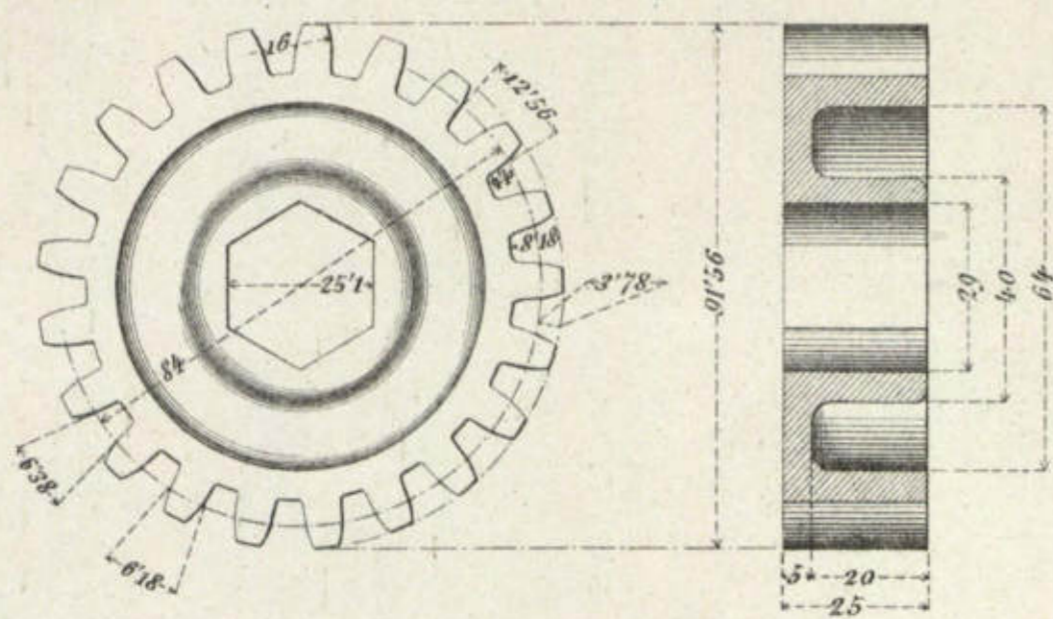
Escala 3/10.



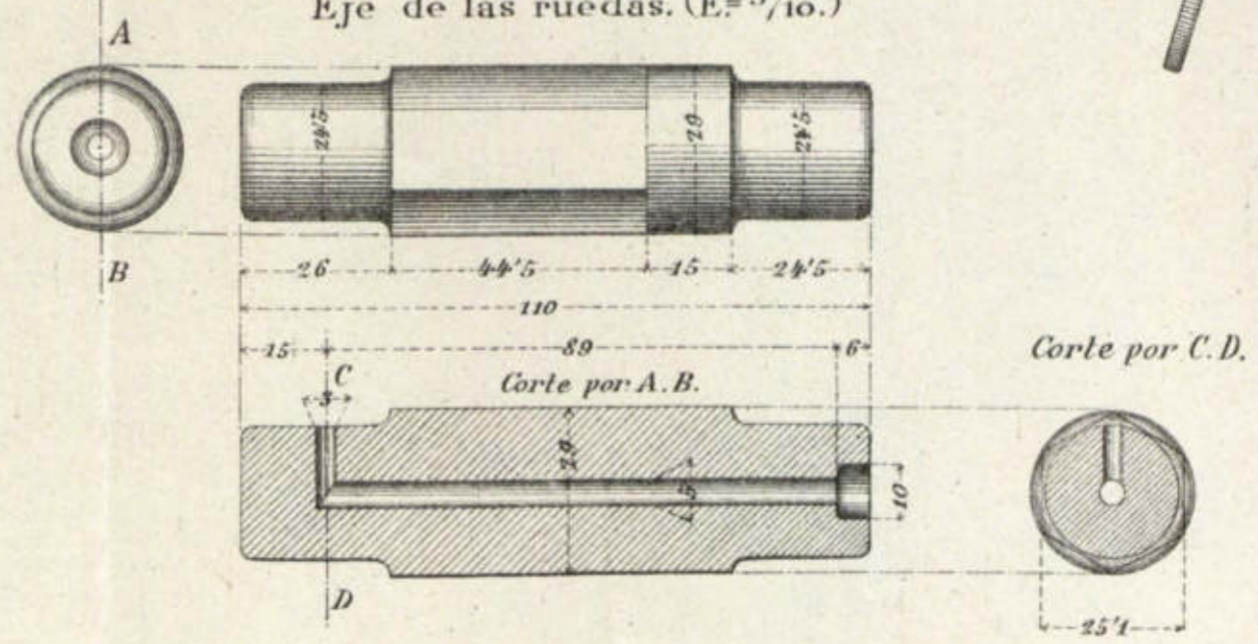
Rueda auxiliar de punteria. (E=5/10.)



Rueda auxiliar. (E=5/10.)



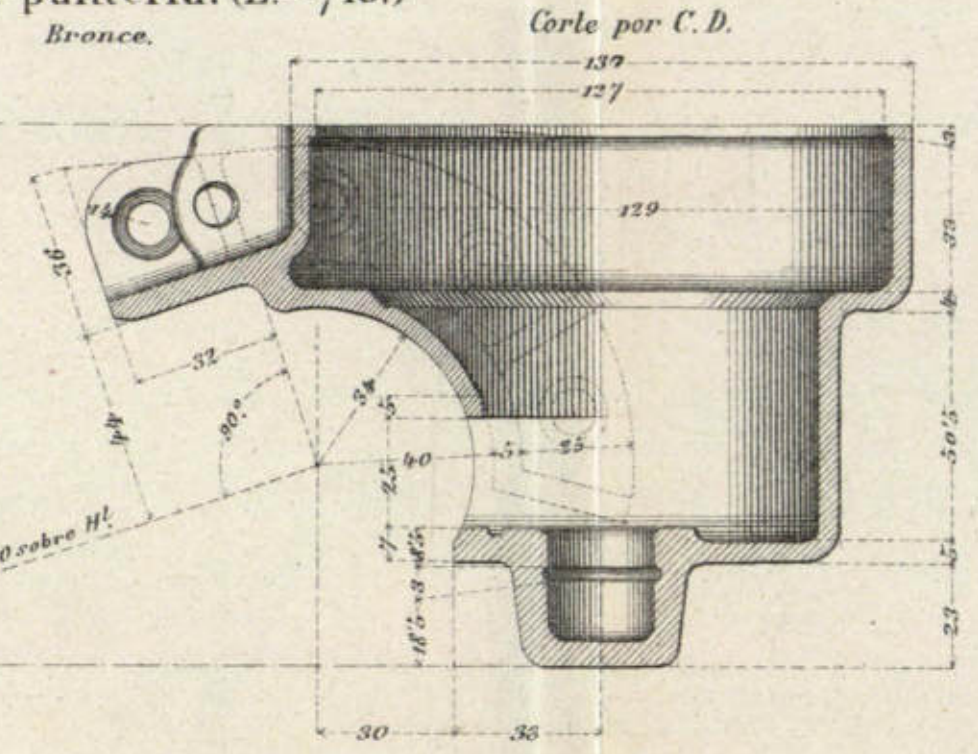
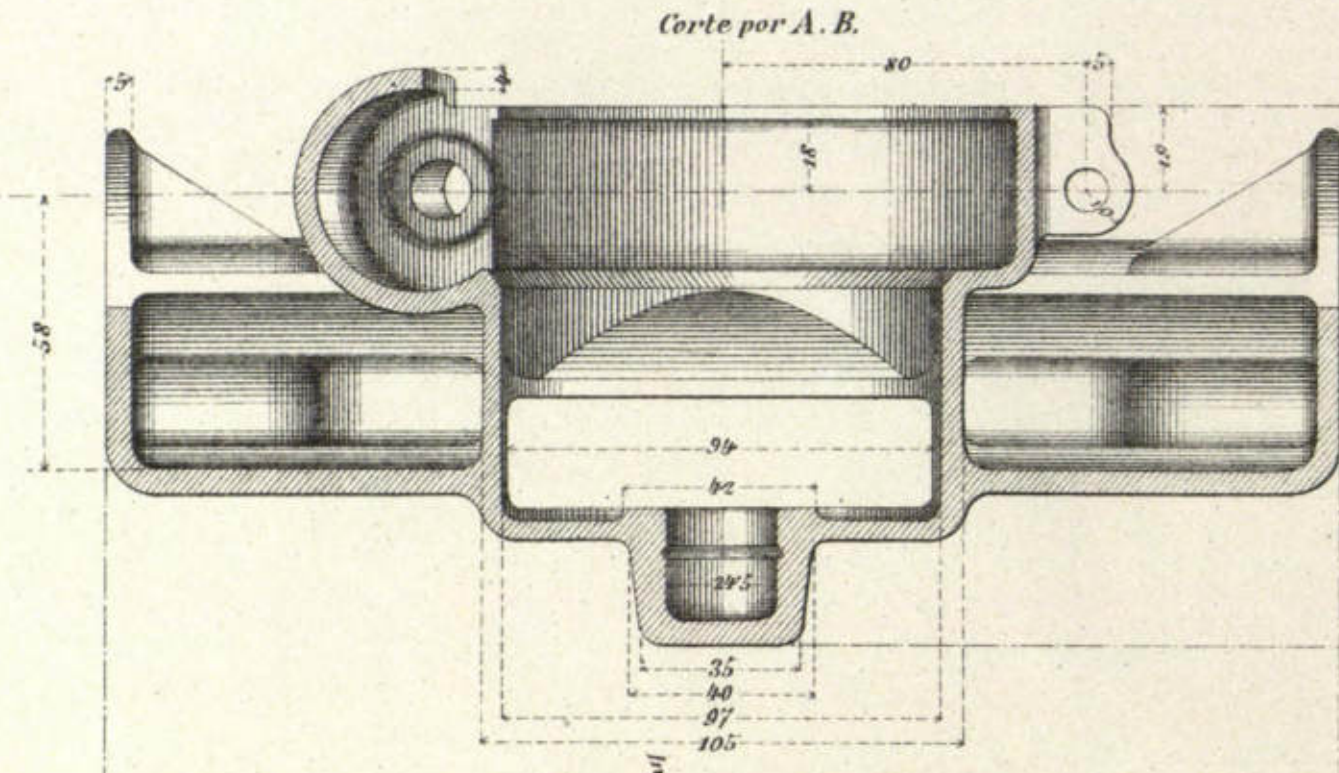
Eje de las ruedas. (E=5/10.)



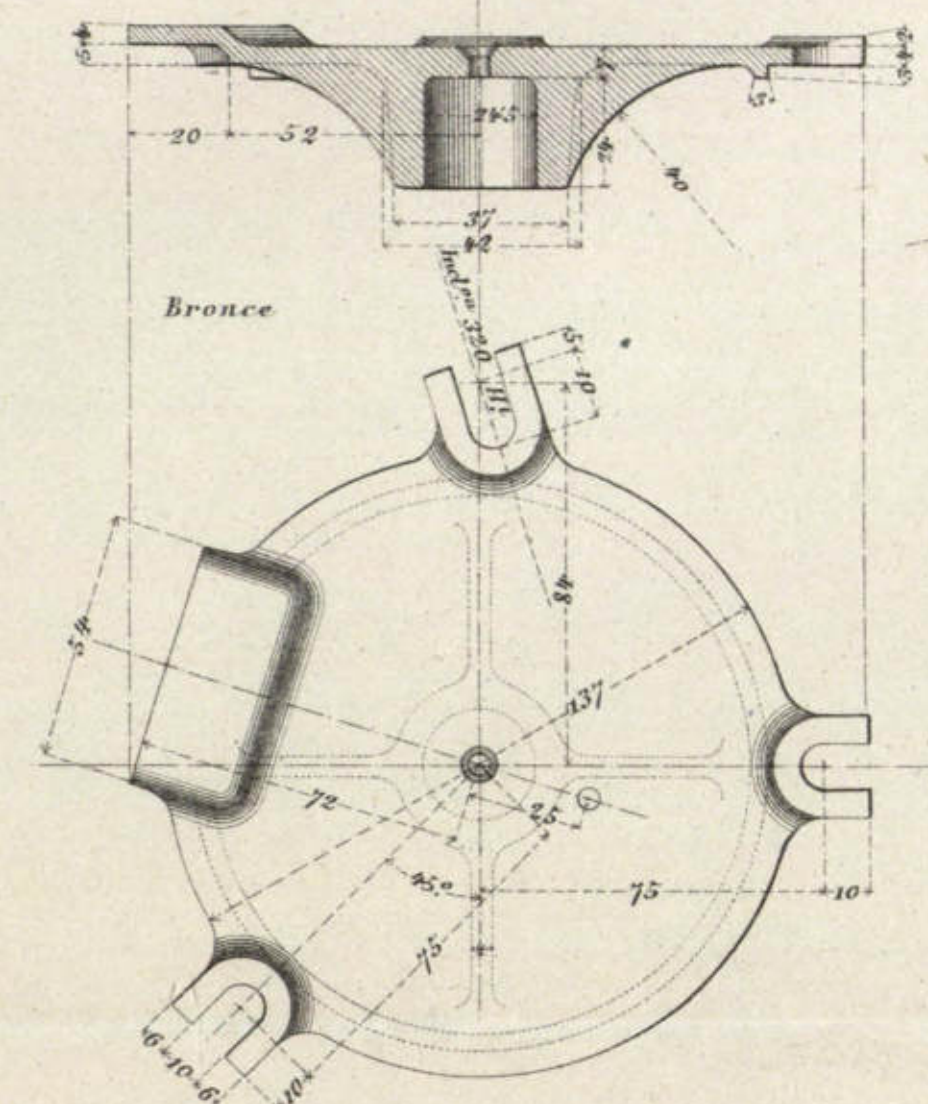
CAÑÓN MONTAÑA 7 cm. MODELO 1908.

DETALLES DEL APARATO DE PUNTERIA EN DIRECCION.

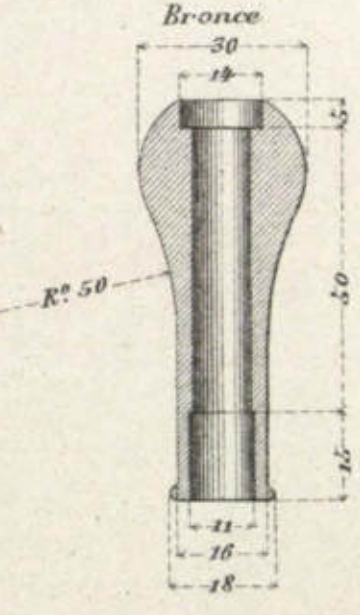
Caja de puntería. (E=4/10.)



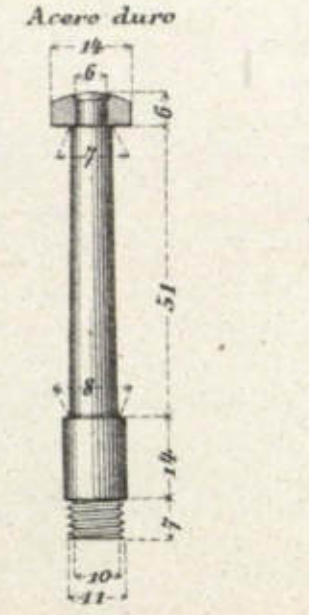
Cubierta de la caja (E=4/10.)



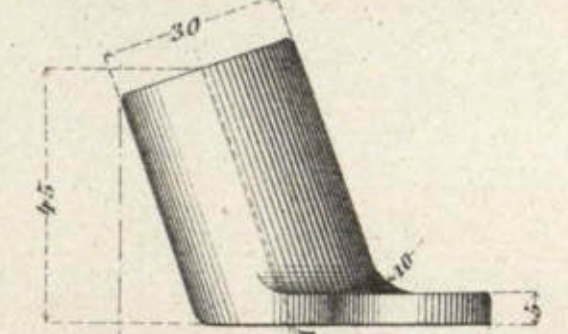
Puño. (E=5/10.)



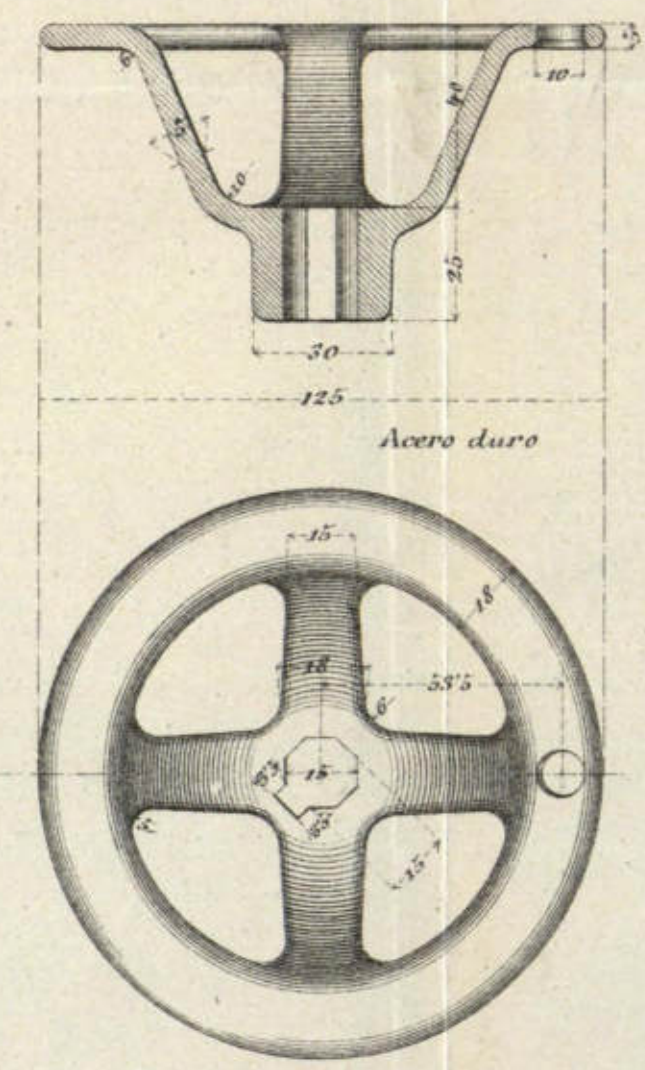
Espiga. (E=5/10.)



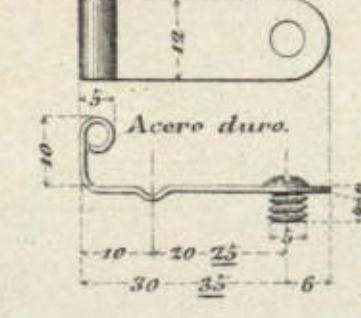
Soporte del arbol. (E=5/10.)



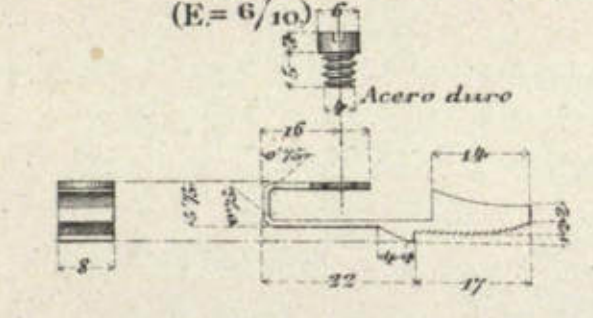
Volante de puntería. (E=4/10.)



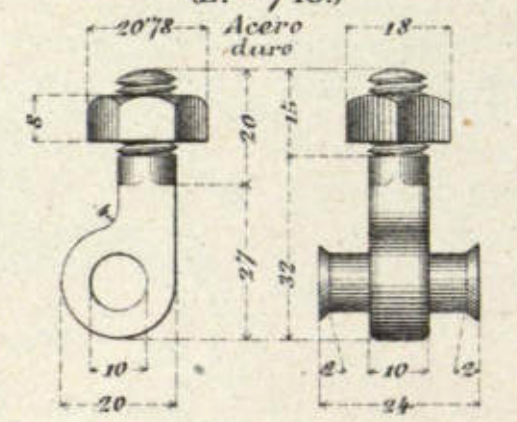
2 Muelles-chapas. (E=6/10.)



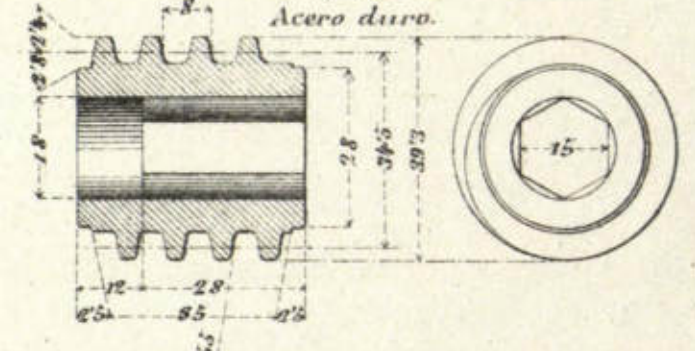
Muelle de fijación del volante. (E=6/10.)



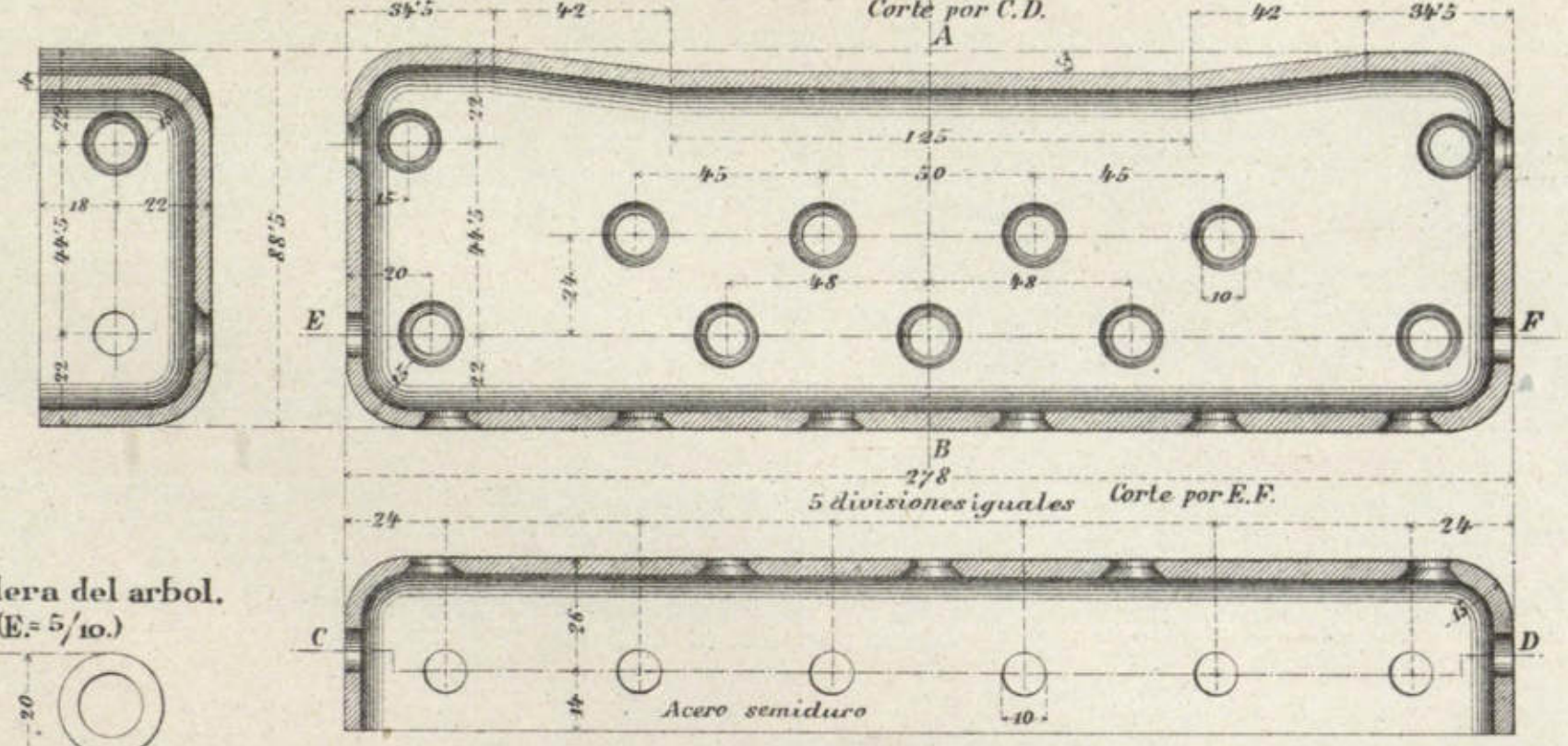
Pernos de sujeción de la cubierta. (E=5/10.)



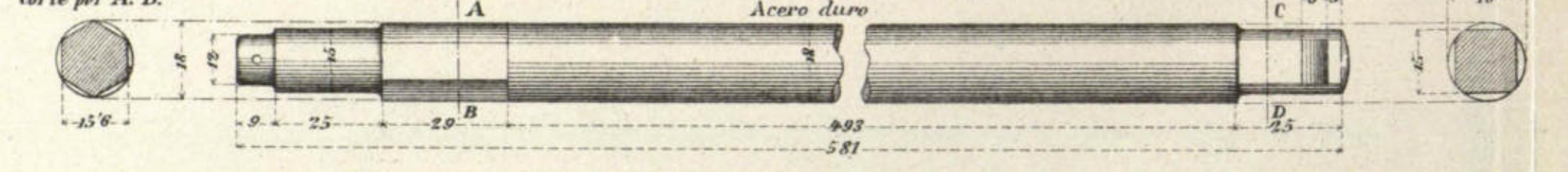
Piñón de la rueda de puntería. (E=5/10.)



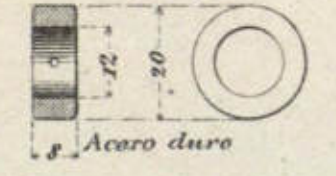
Refuerzo de testera de la cureña. (E=4/10.)



Arbol de puntería. (E=5/10.)



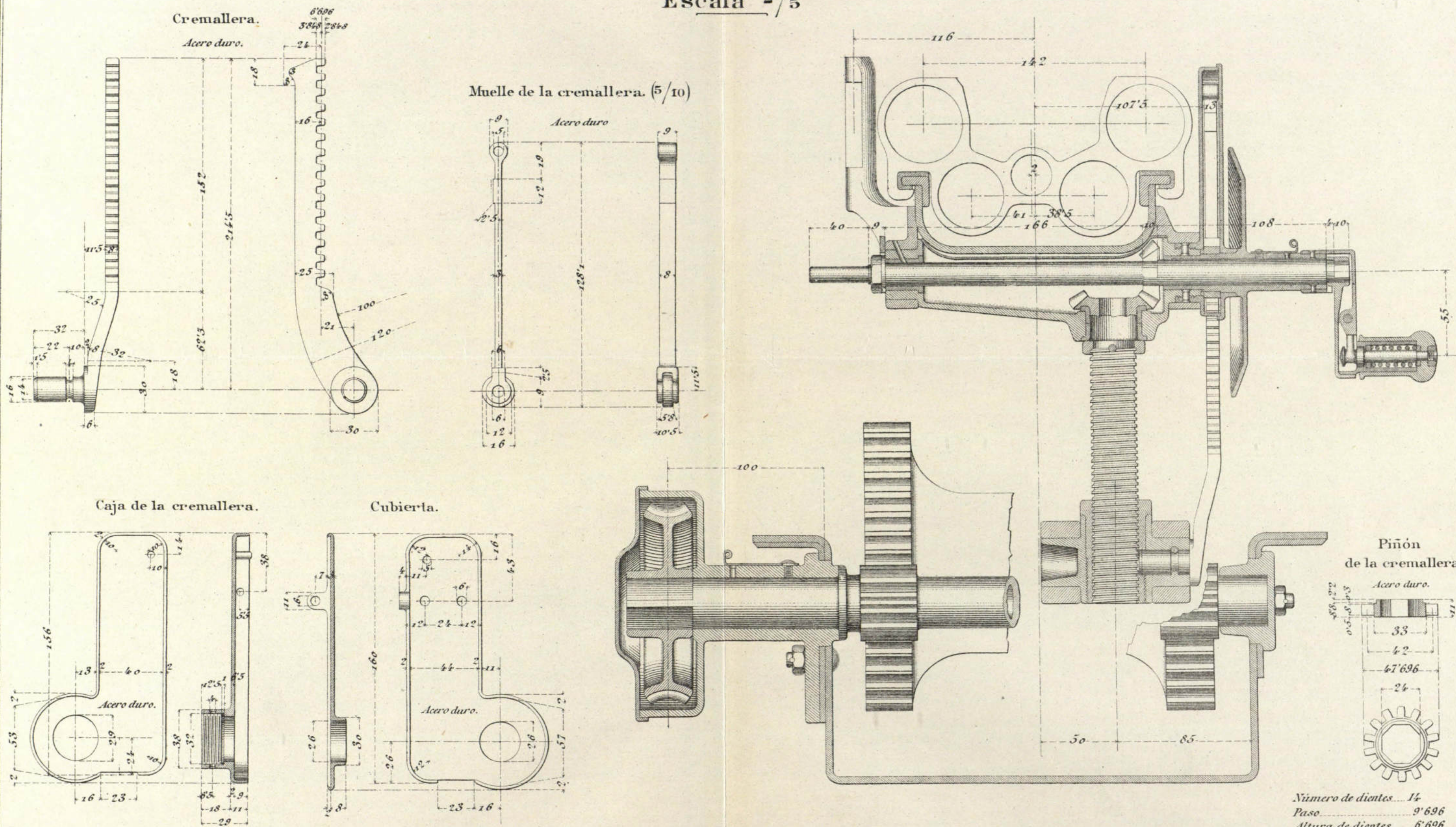
Volandera del arbol. (E=5/10.)



CAÑON Ac. MONTAÑA 7 cm. Md. 1908

DETALLES DEL APARATO DE PUNTERIA.

Escala $\frac{2}{5}$



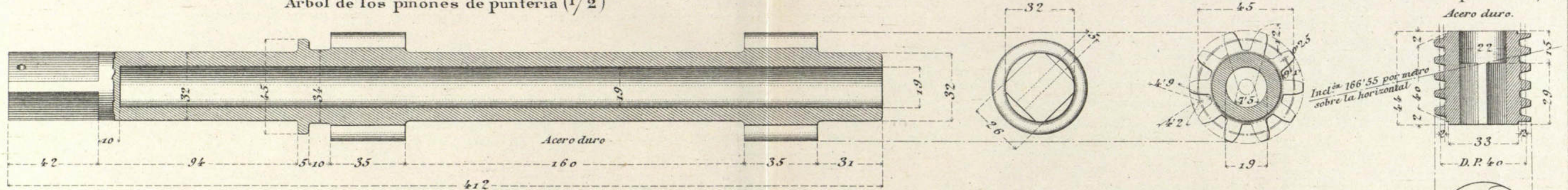
Número de dientes... 14
 Paso... 9'696
 Altura de dientes... 6'696

CAÑON MONTAÑA 7 cm. MODELO 1908

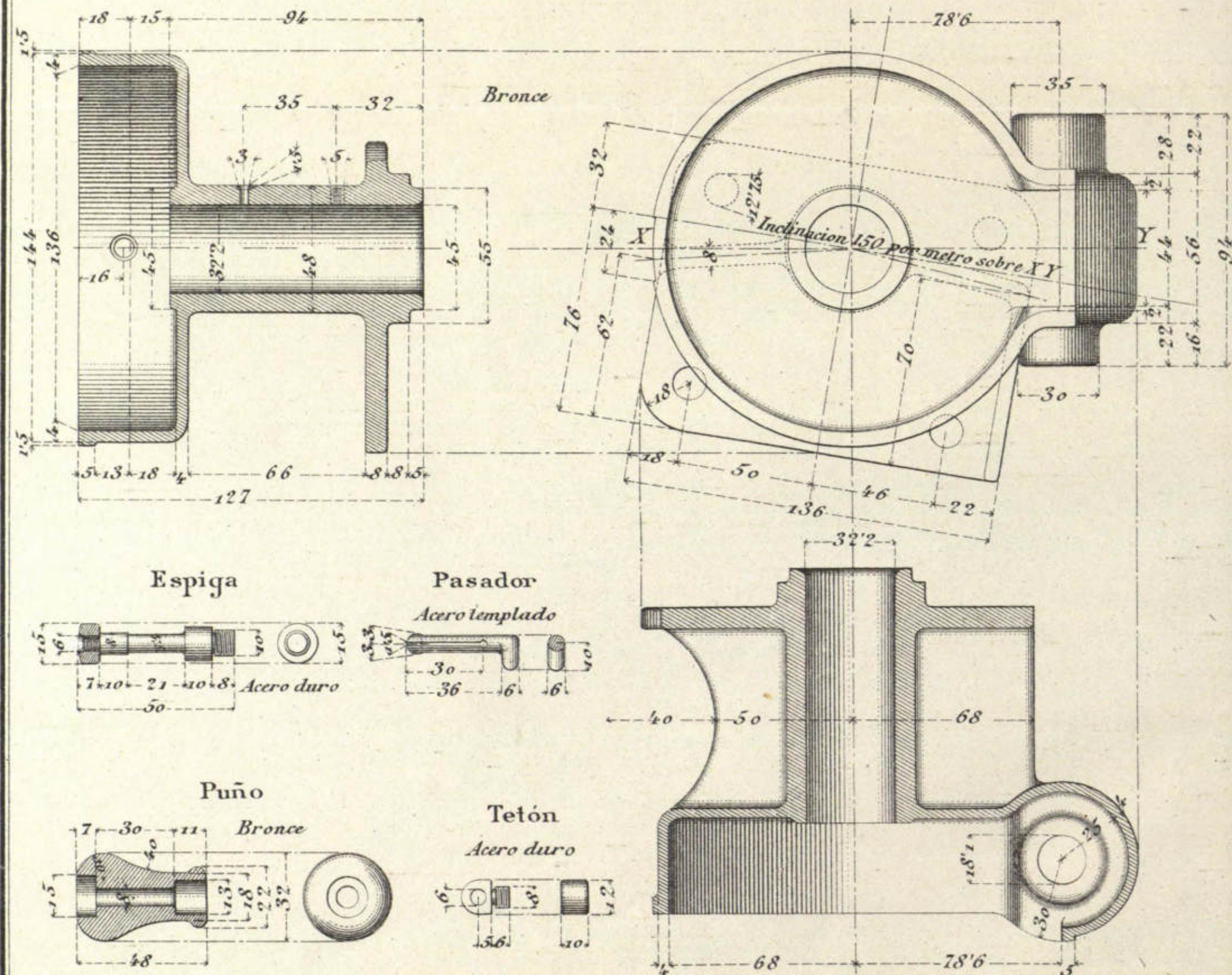
DETALLES DEL APARATO DE PUNTERIA EN ALTURA

Escala $\frac{4}{10}$

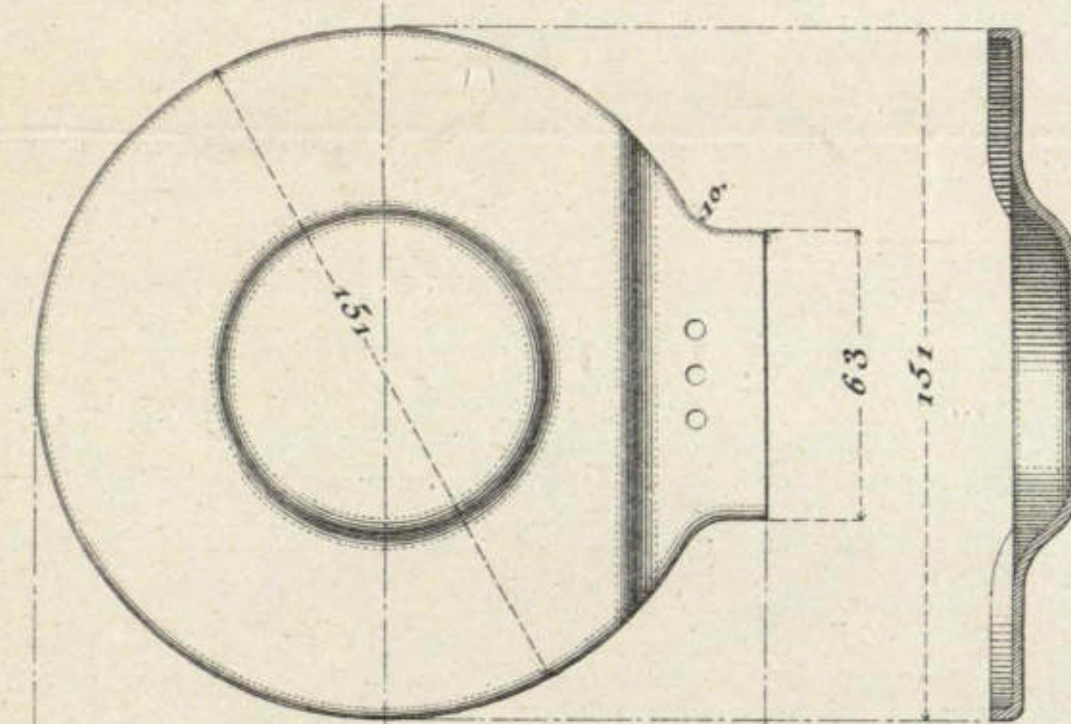
Arbol de los piñones de punteria ($\frac{1}{2}$)



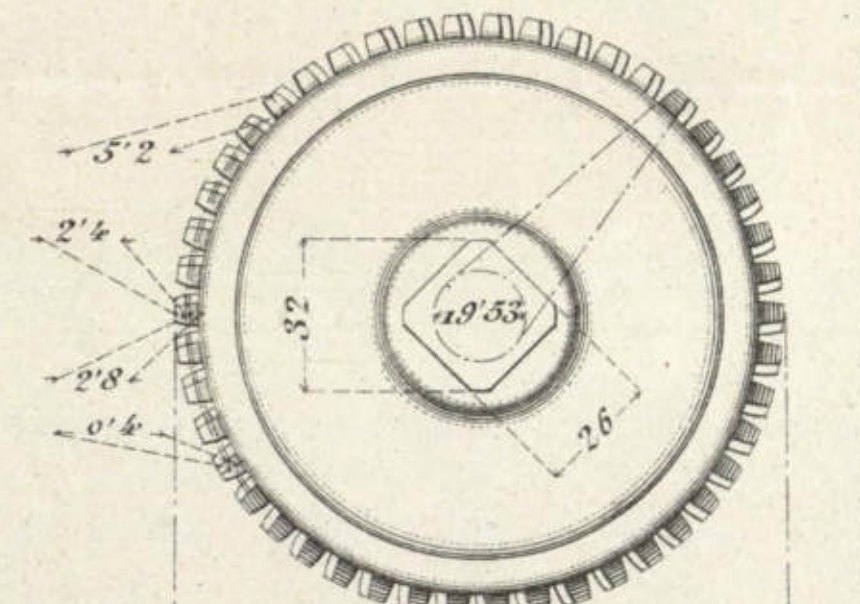
Cojinete para el arbol de los piñones.



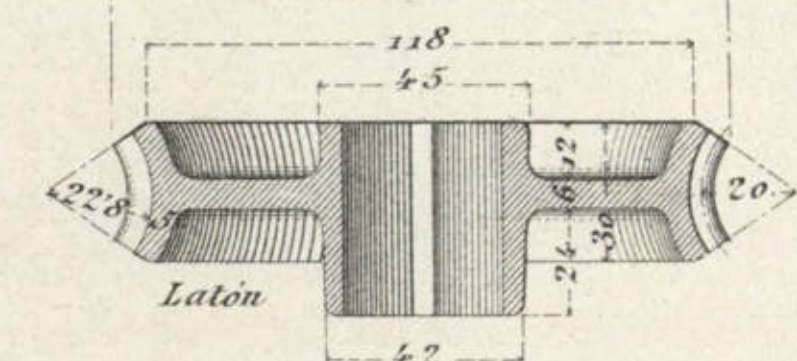
Cubierta de la caja



Rueda dentada



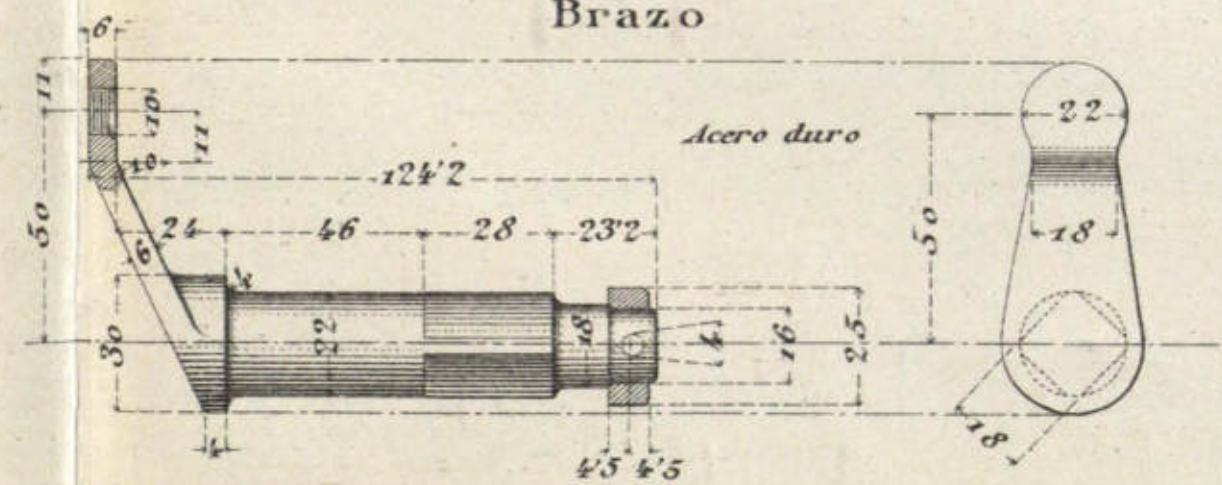
Diámetro primitivo... 117.2
Paso a la derecha... 8
Número de dientes... 46



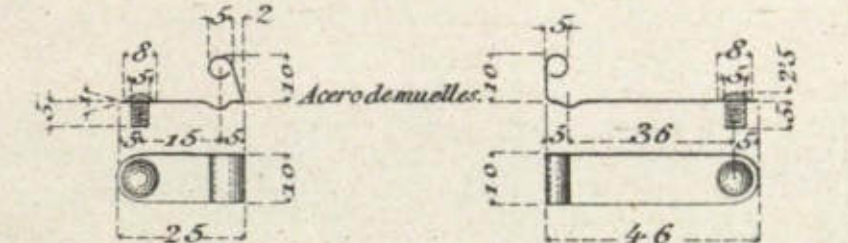
Fleje del ojal

Latón
118
45

Brazo

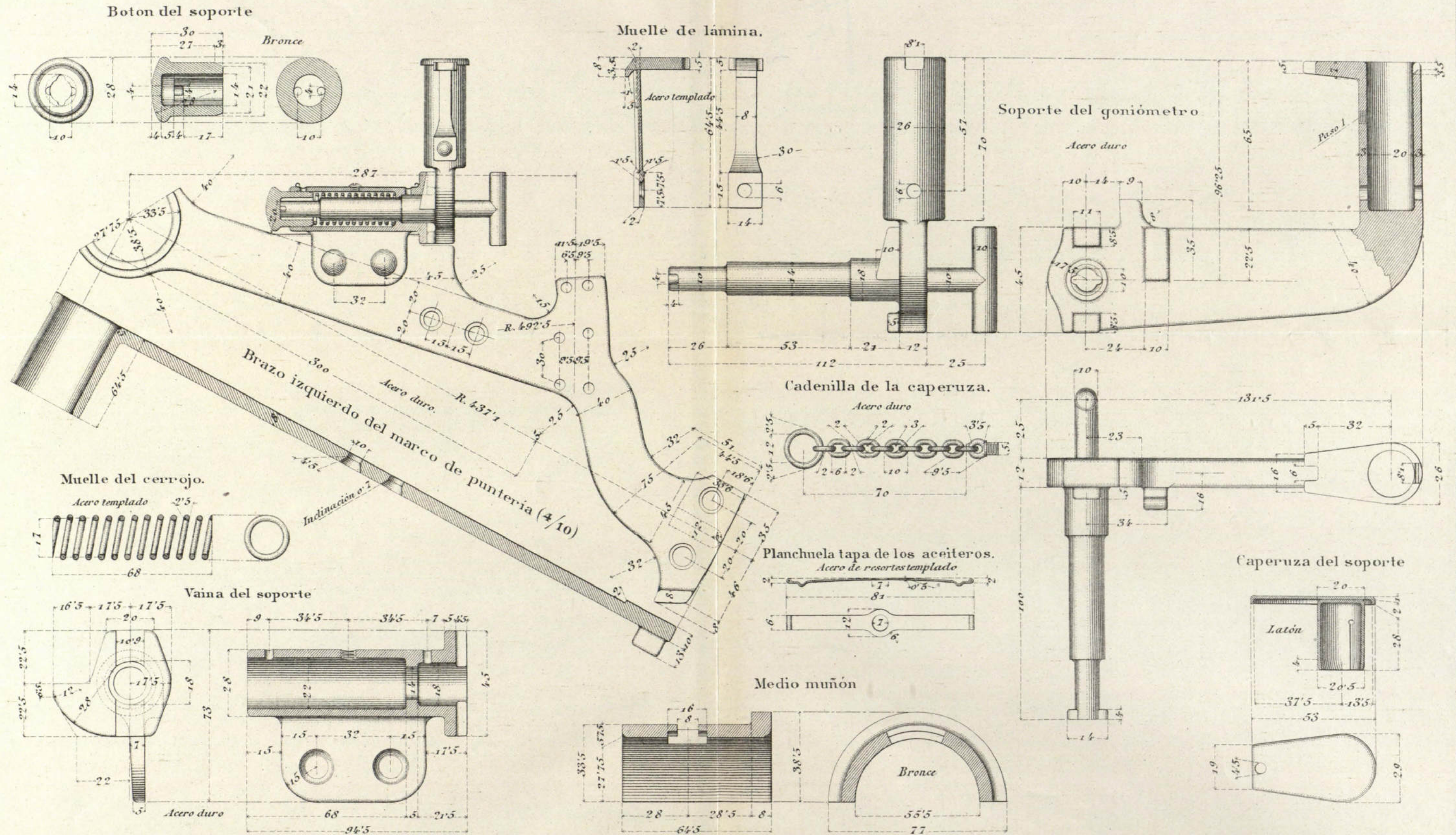


Muelles de lámina



CAÑON Ac. MONTAÑA 7 cm. MODELO 1908
APARATO DE PUNTERIA EN ALTURA

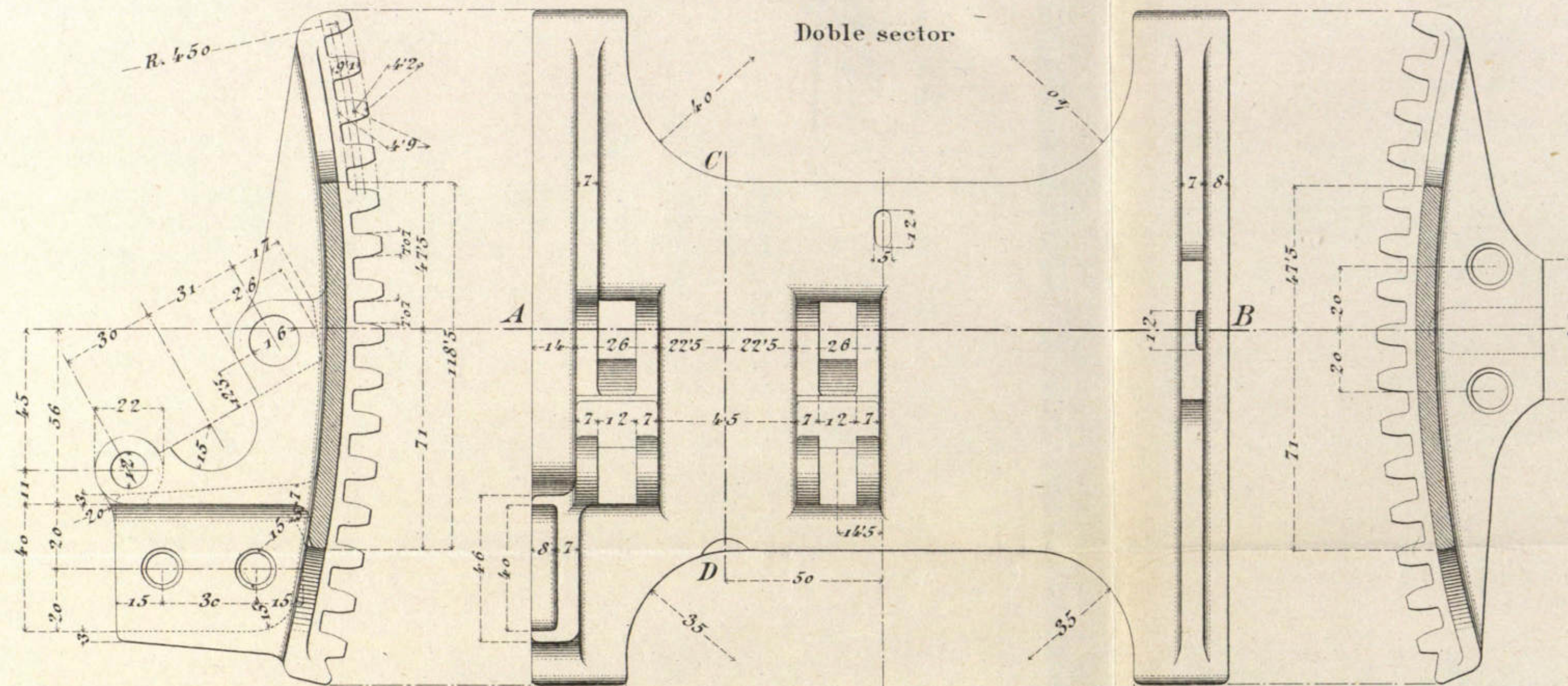
Escala 6/10.



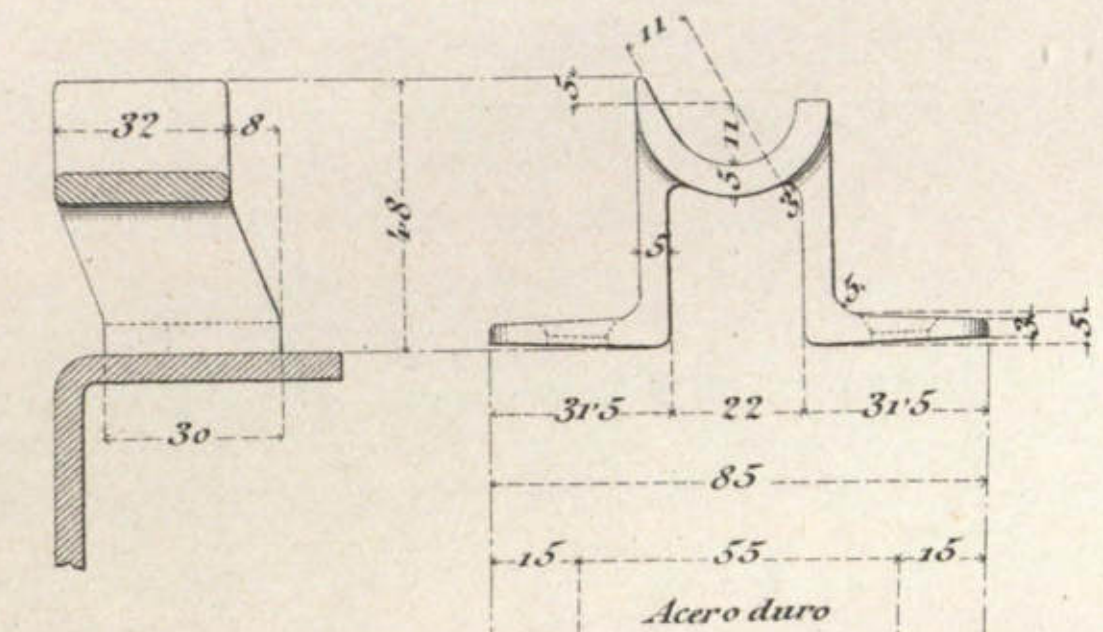
CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

DETALLES DEL APARATO DE PUNTERIA

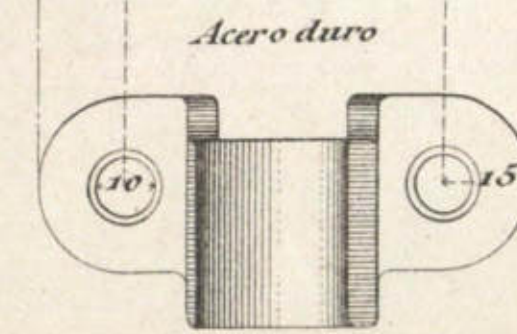
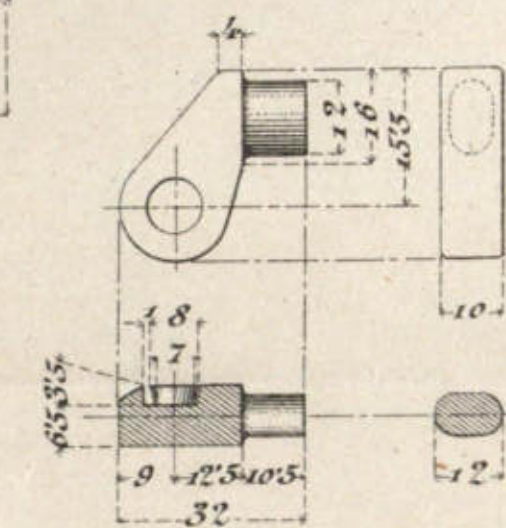
Corte por C. D.



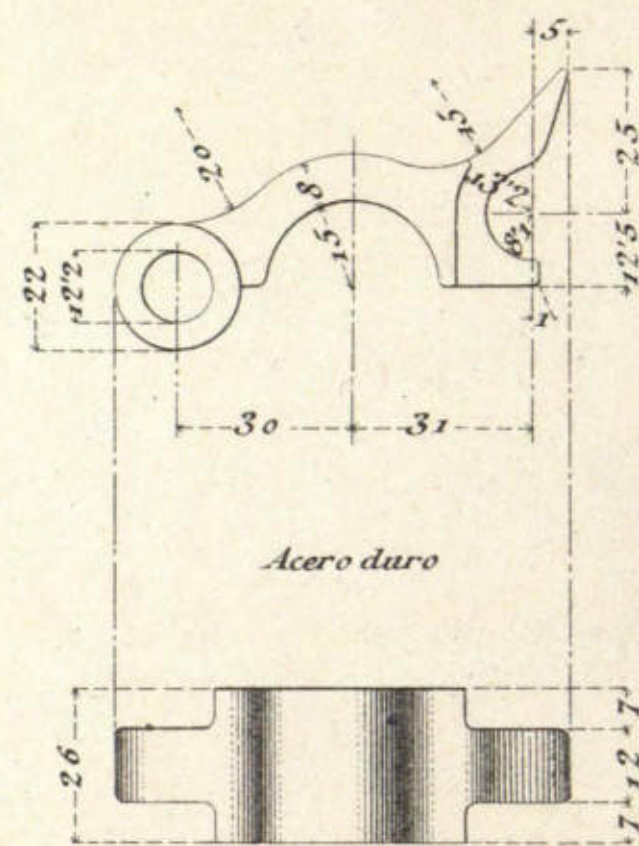
Muñonera de camino



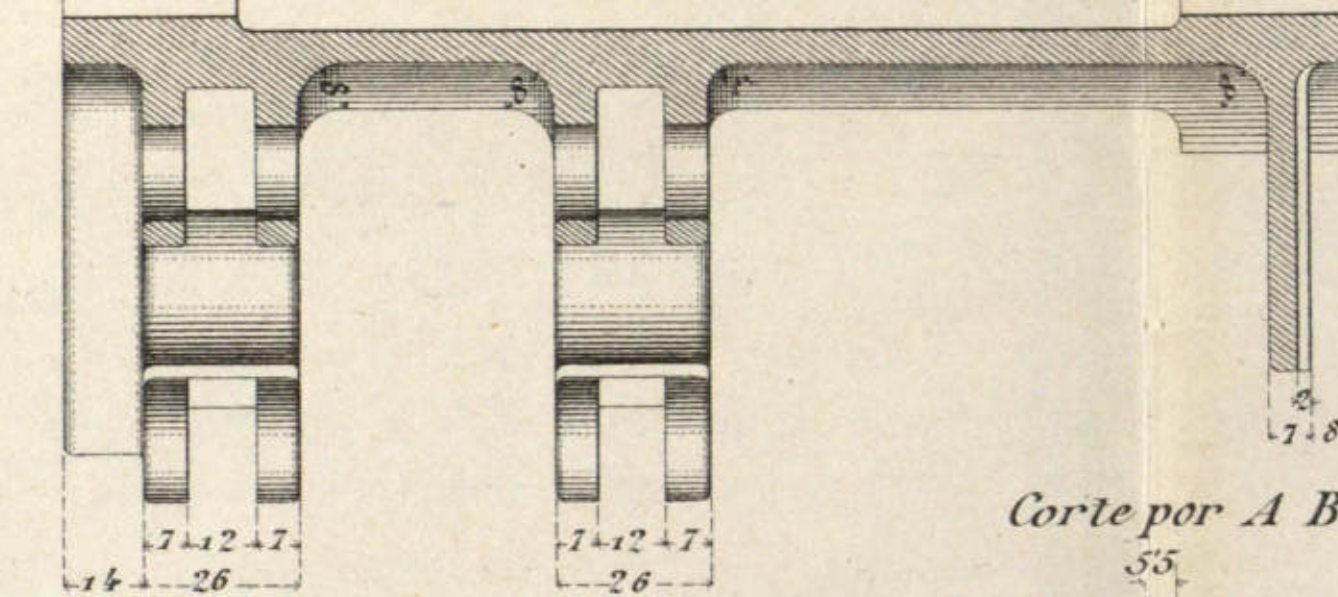
Picolete



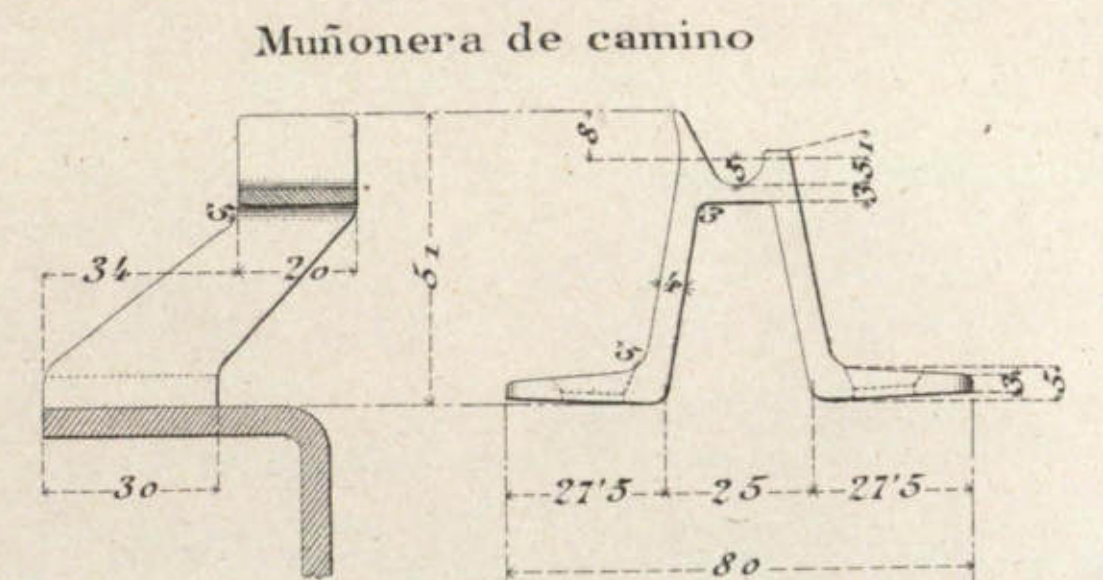
Sobremuñonera.



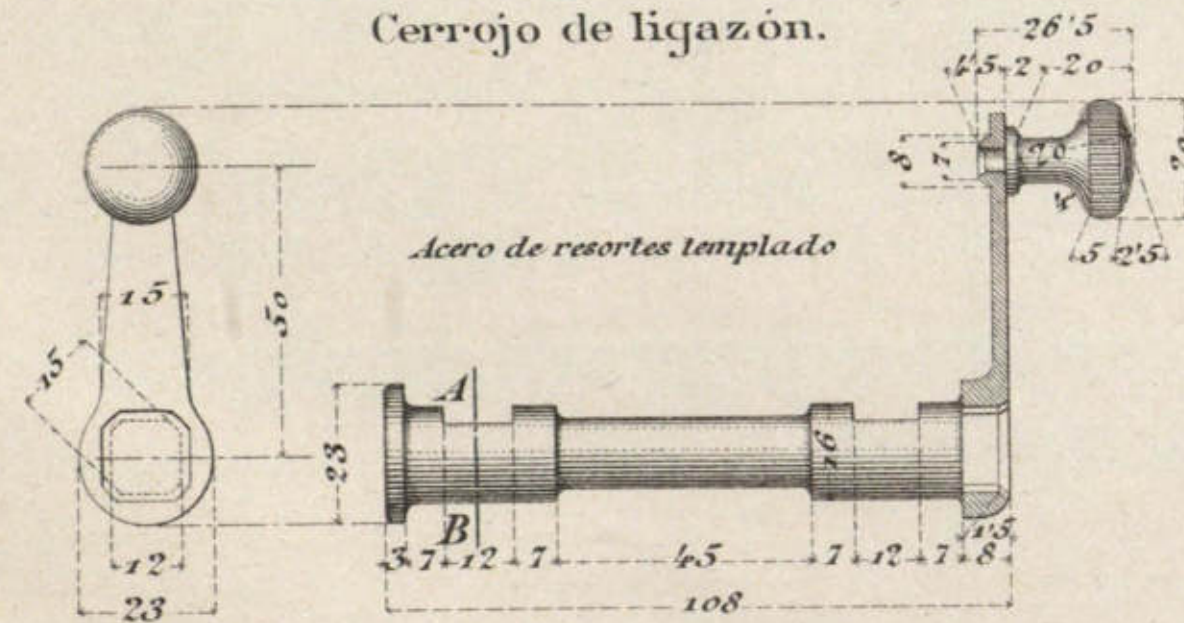
Corte por A.B.



Escala 1/2



Cerrojo de ligazón.



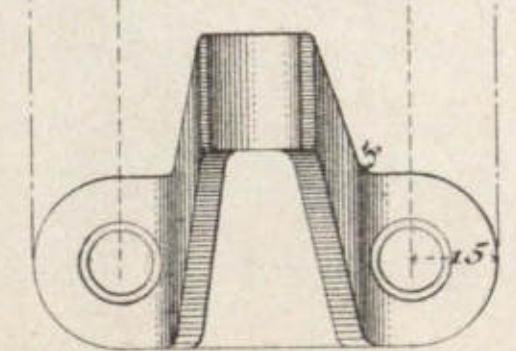
Eje



Corte por A B

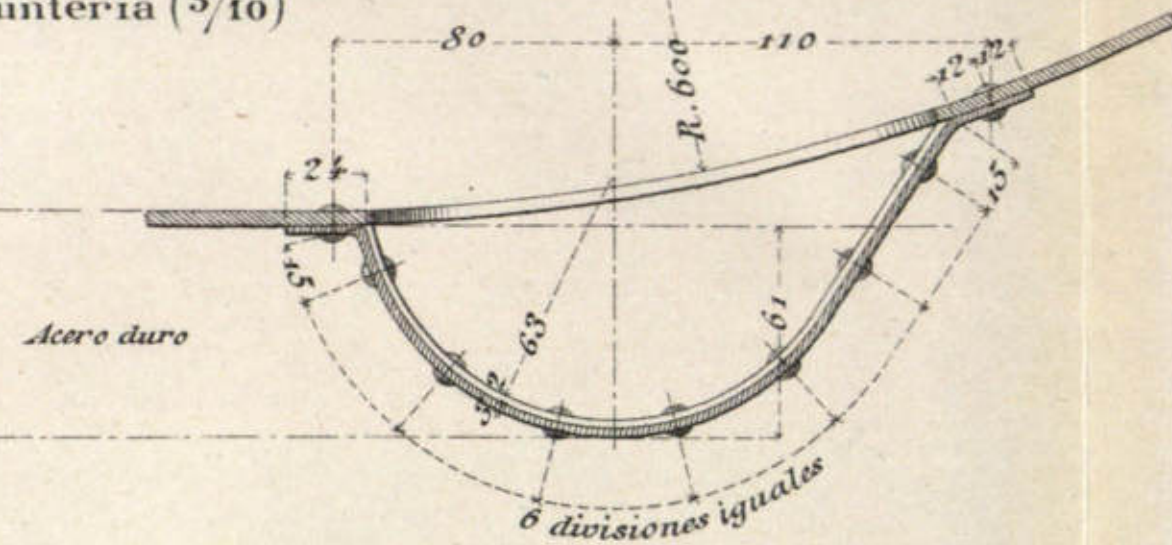
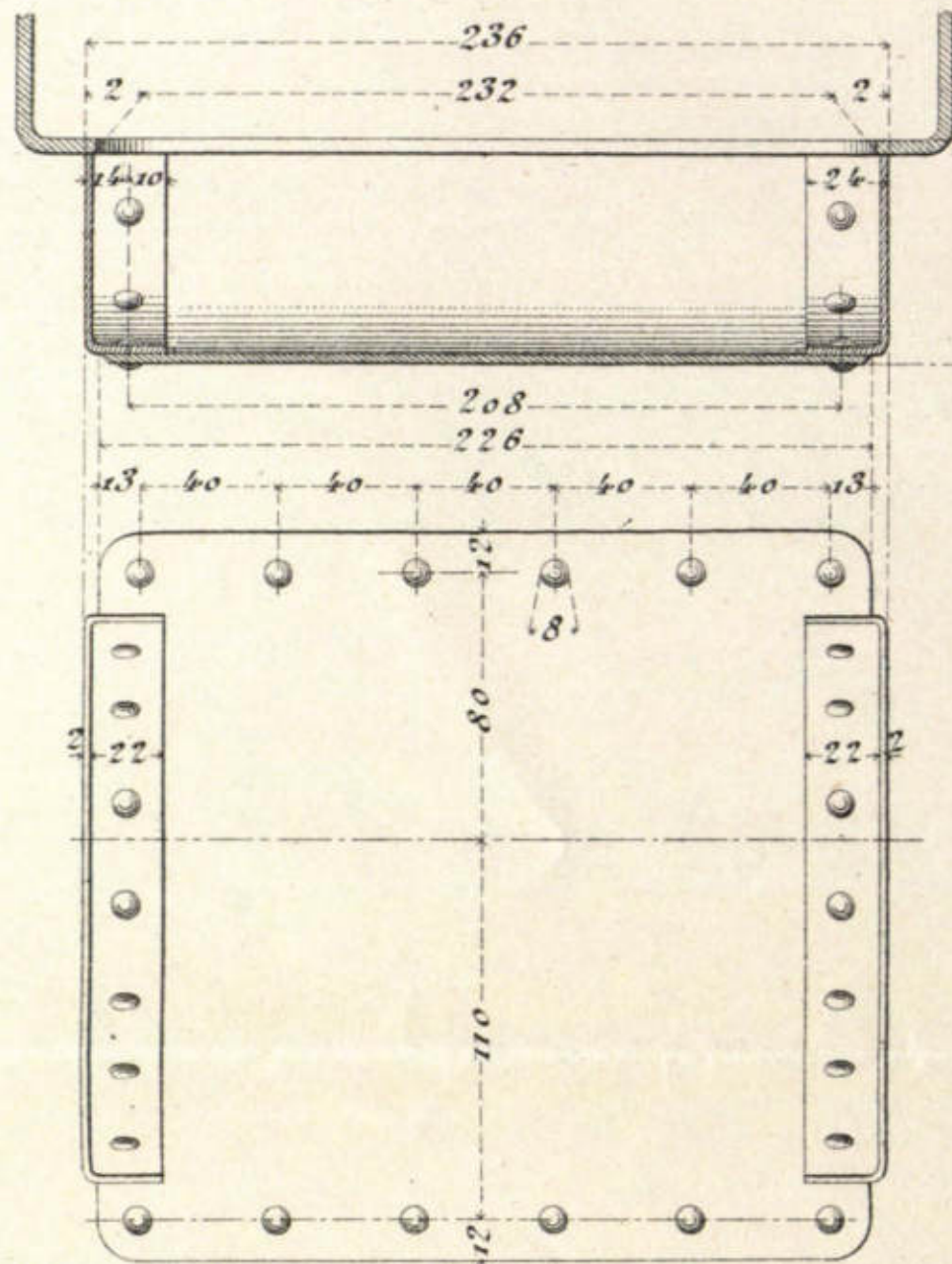


Acero duro

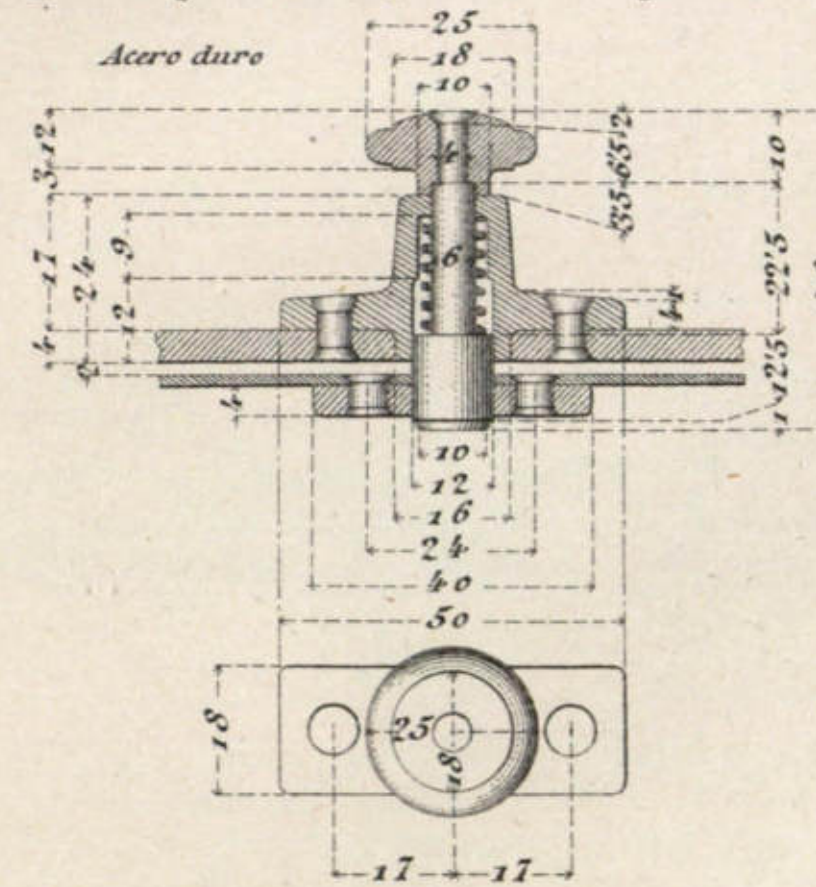


CAÑÓN Ac. MONTAÑA 7 cm. Md. 1908. DETALLES

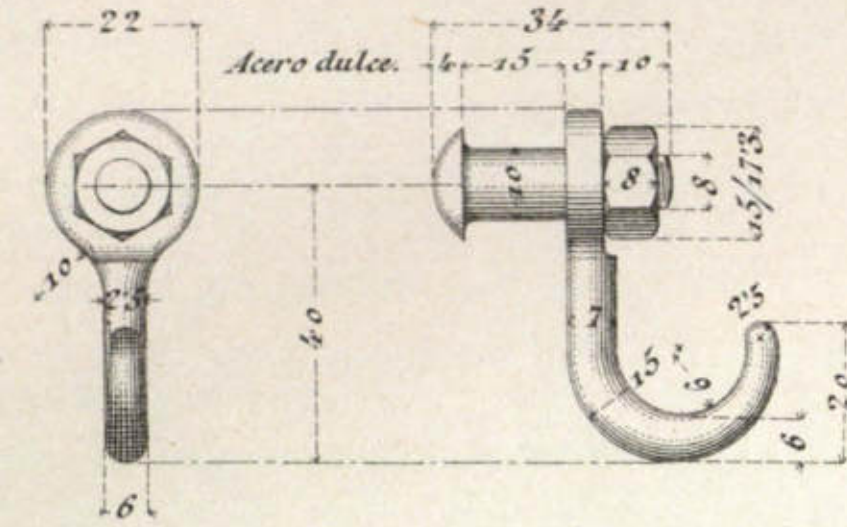
Caja de los sectores del marco de puntería (5/10)



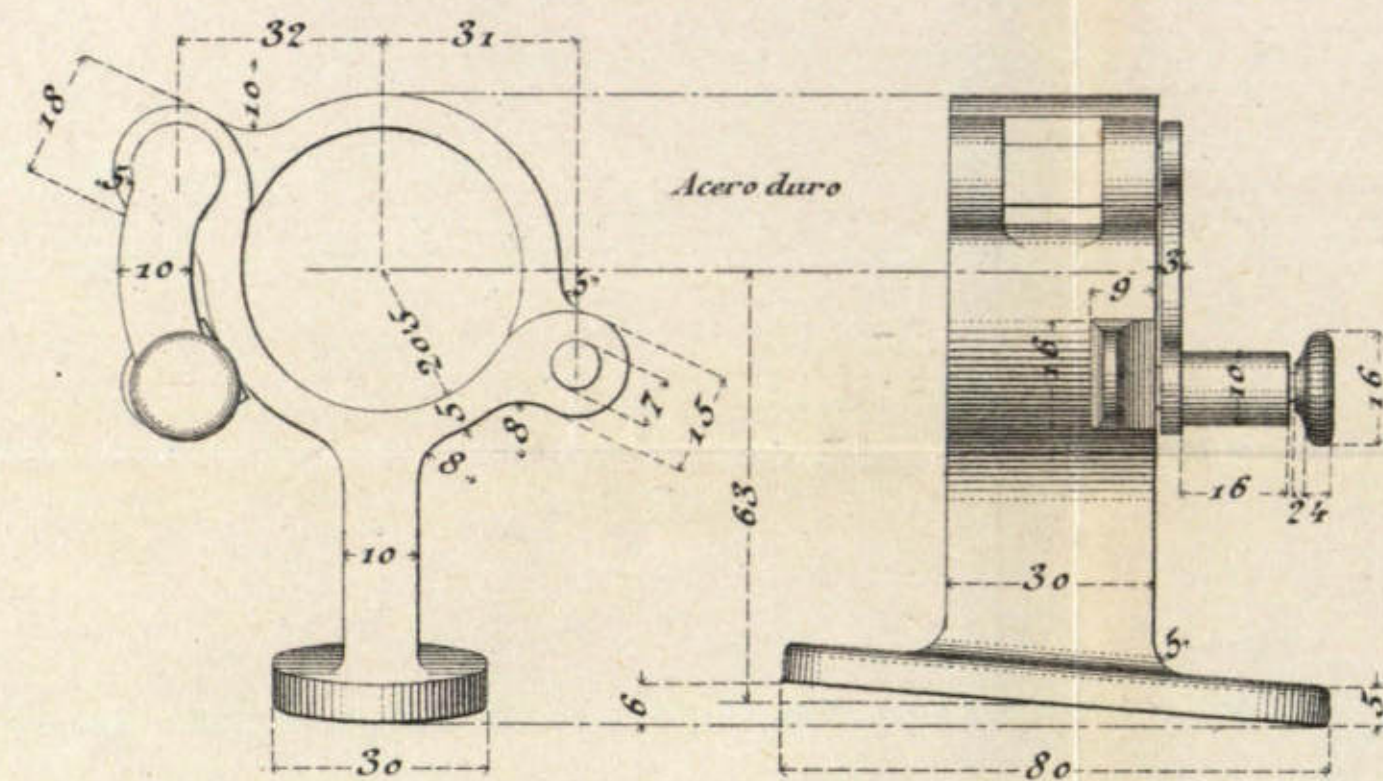
Botón para sujetar la caja de entre-gualderas (6/10)



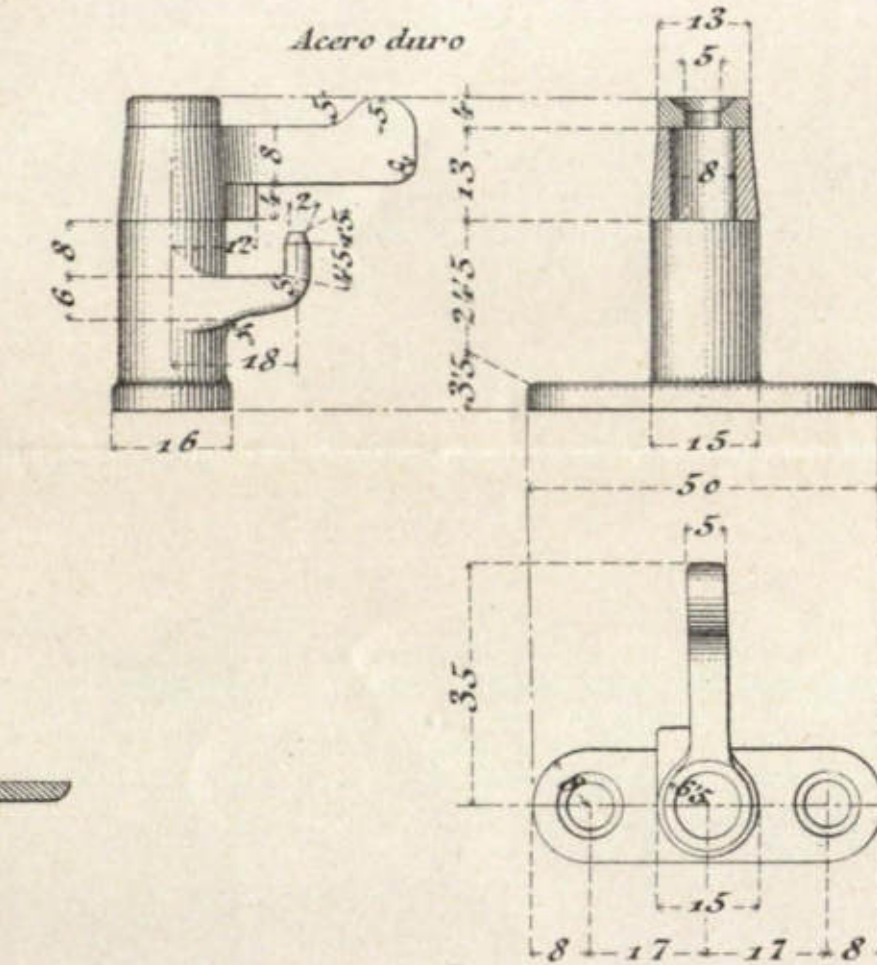
Gancho para la correa tensora del baste (6/10)



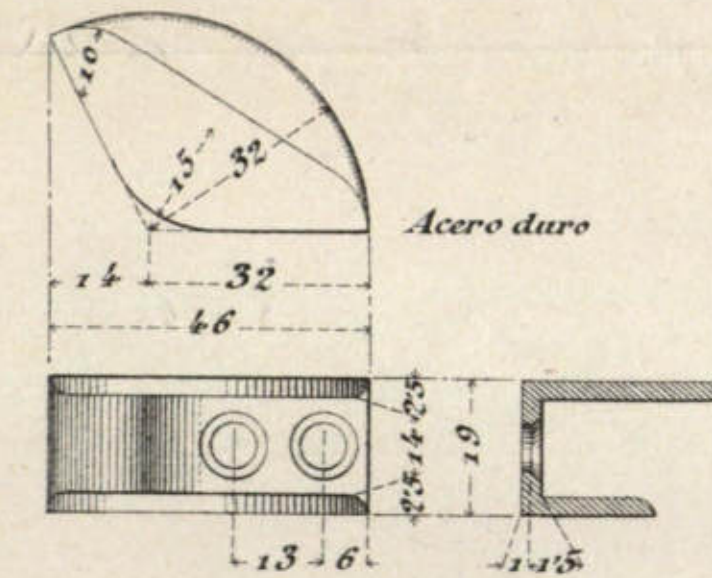
Collar para sujetar la palanca de dirección (6/10)



Placa del disparador (6/10)



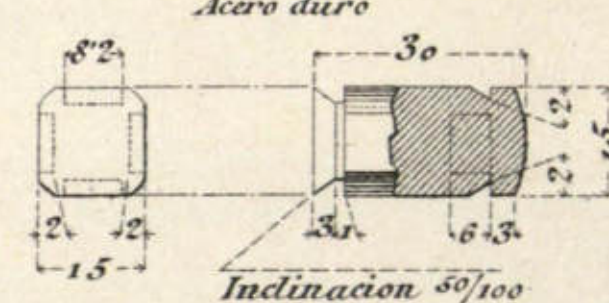
Escuadras-cantoneras (6/10)



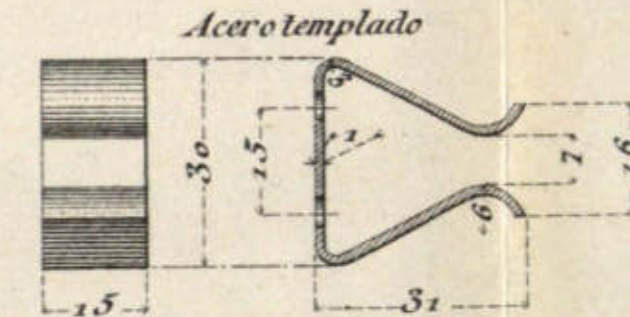
Gancho para la correa tensora del baste (6/10)



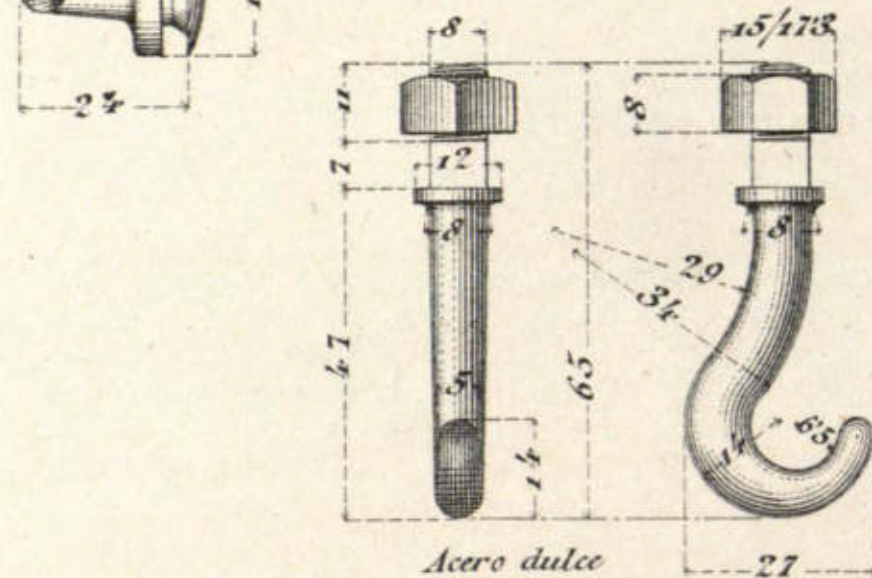
Soporte de marcha (6/10)



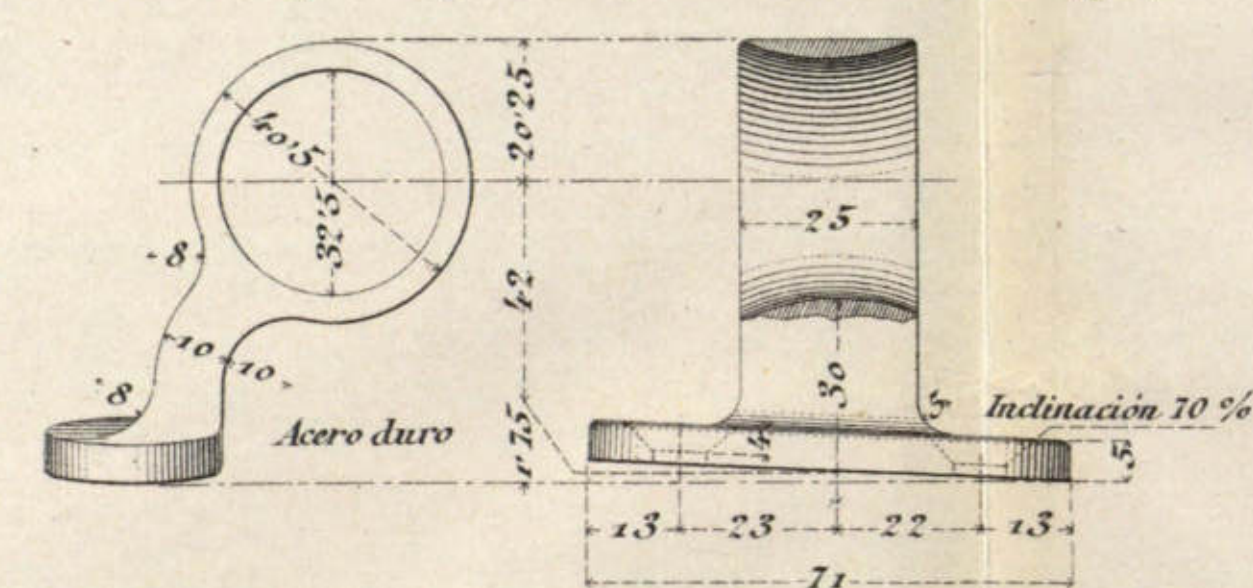
Muelle de pinzas (6/10)



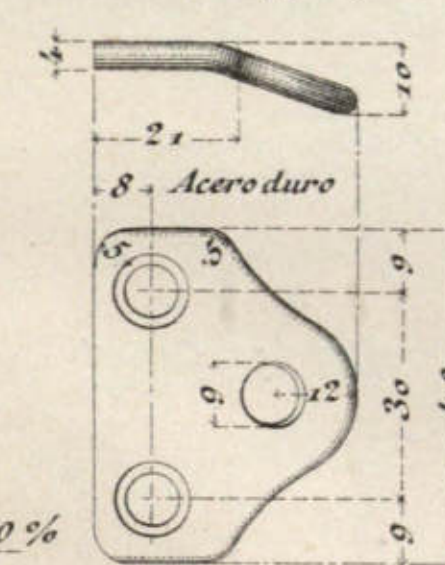
Gancho del tensor del baste (6/10)



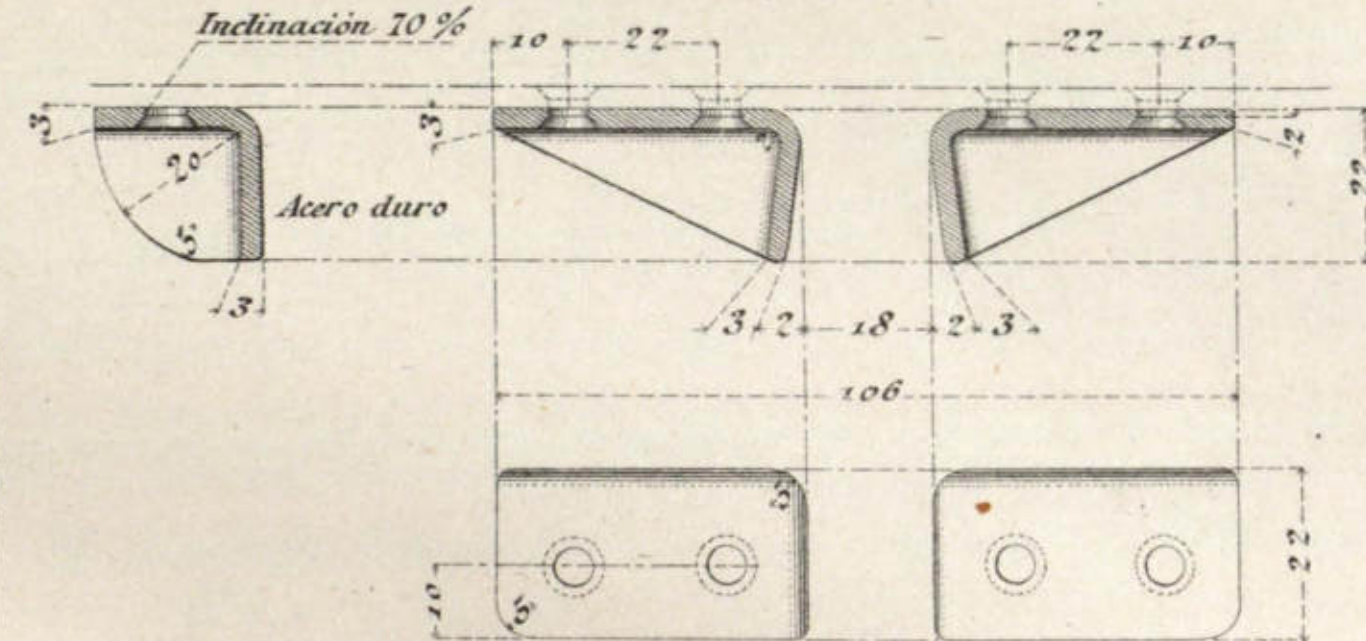
Medio collar para sujetar la palanca de dirección (6/10)



Pestaña (6/10)

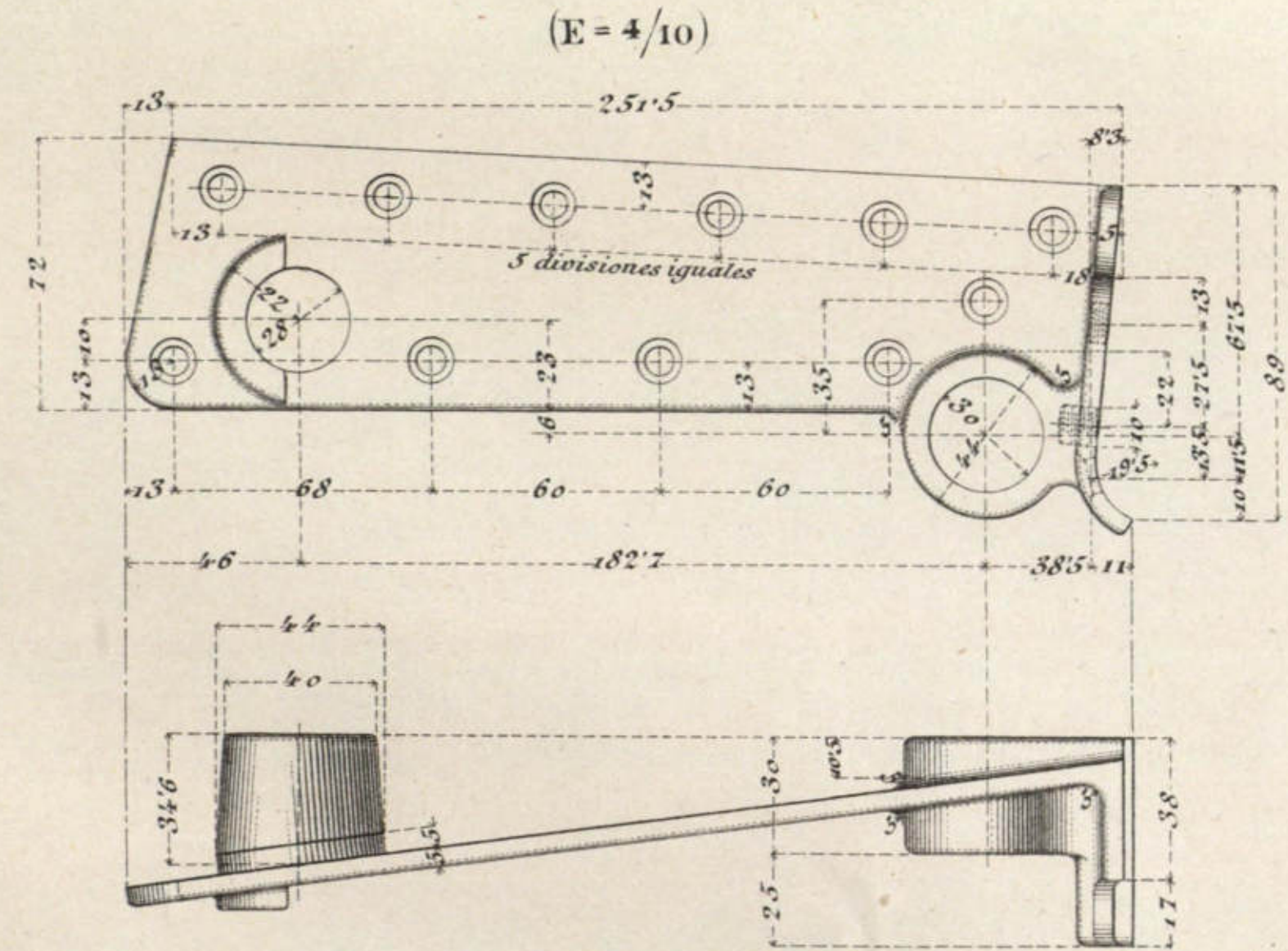
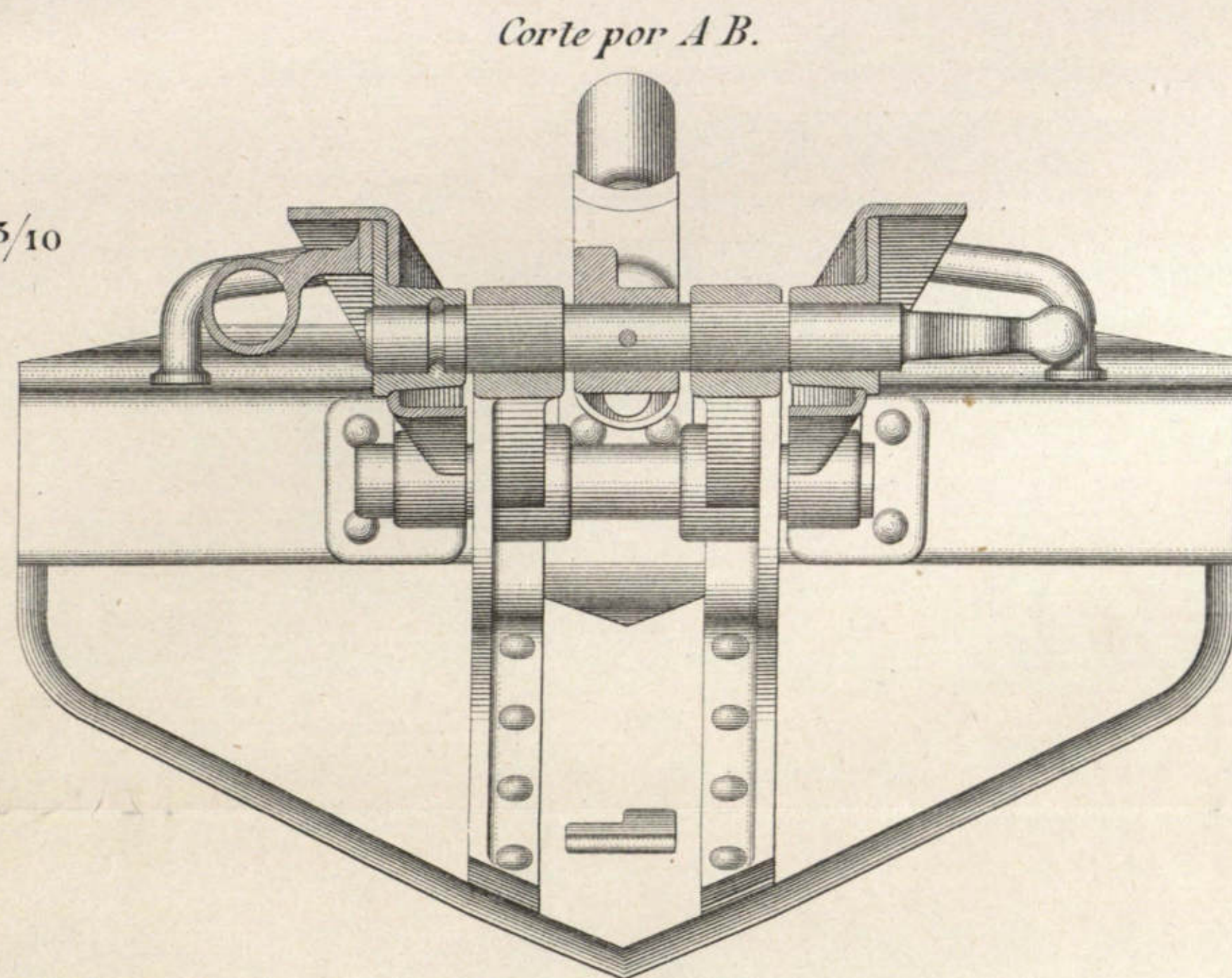
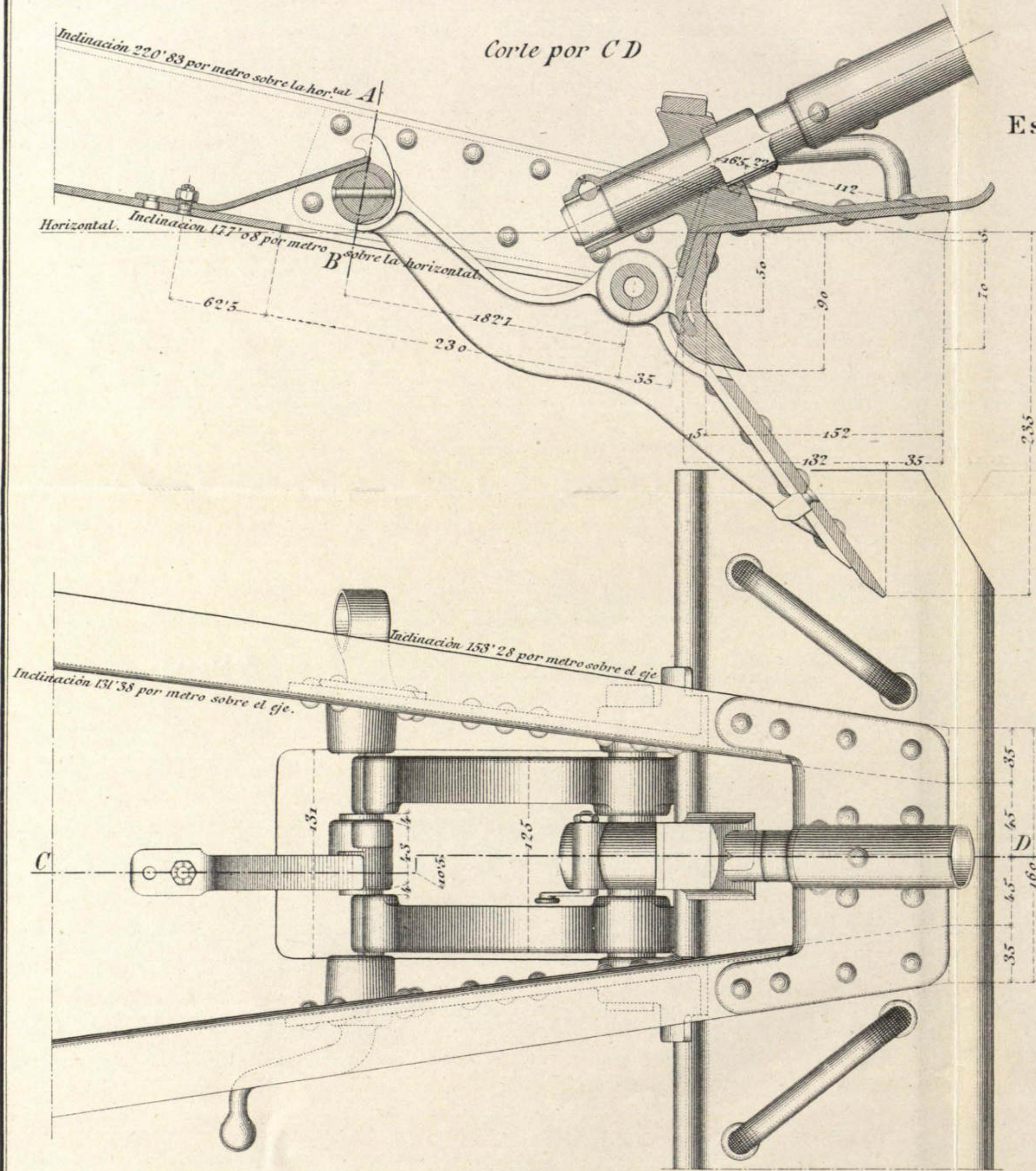


Escuadras (6/10)



CAÑON Ac. MONTAÑA 7 cm. MODELO 1908.

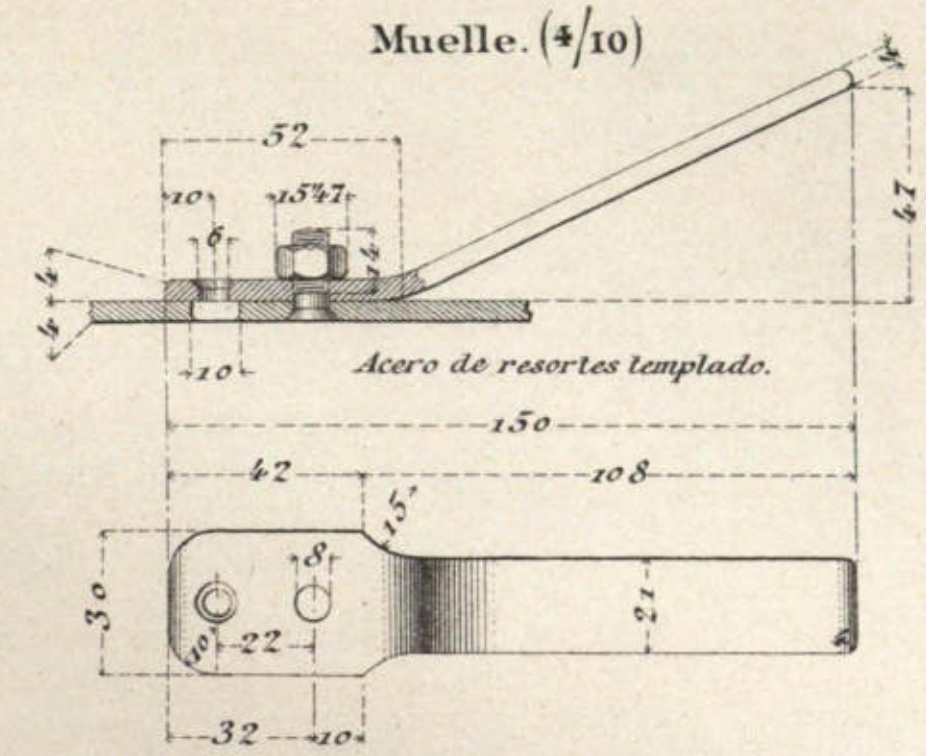
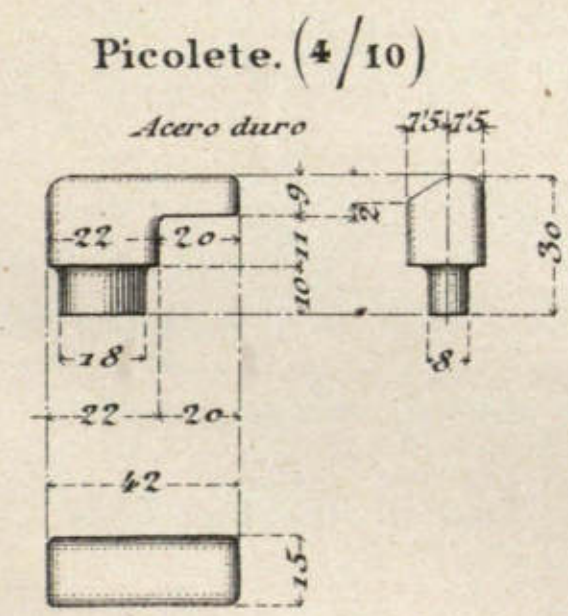
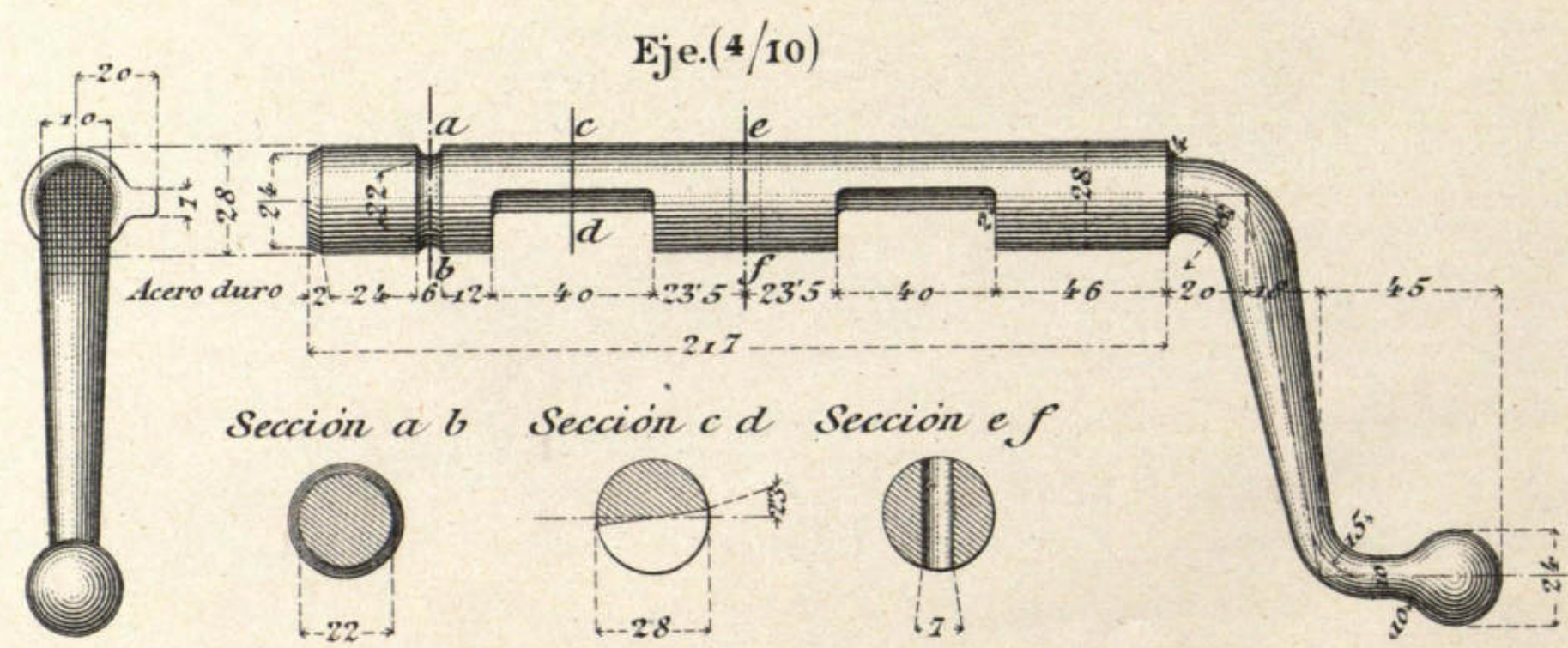
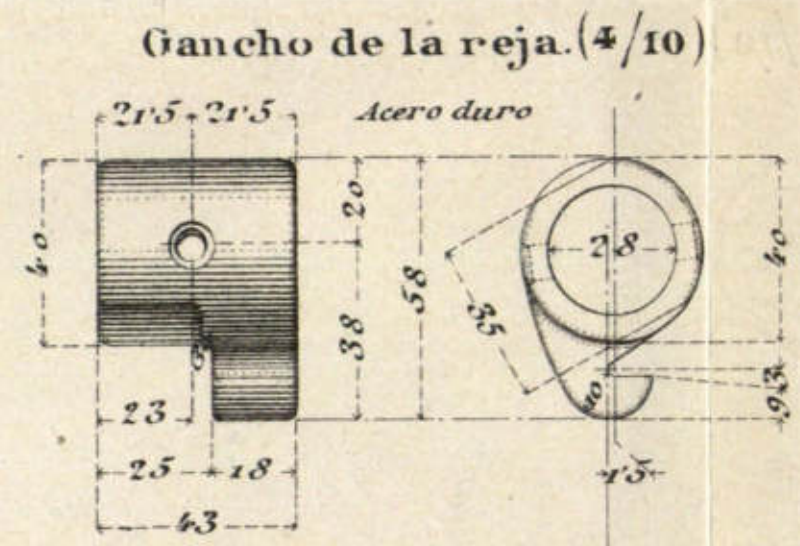
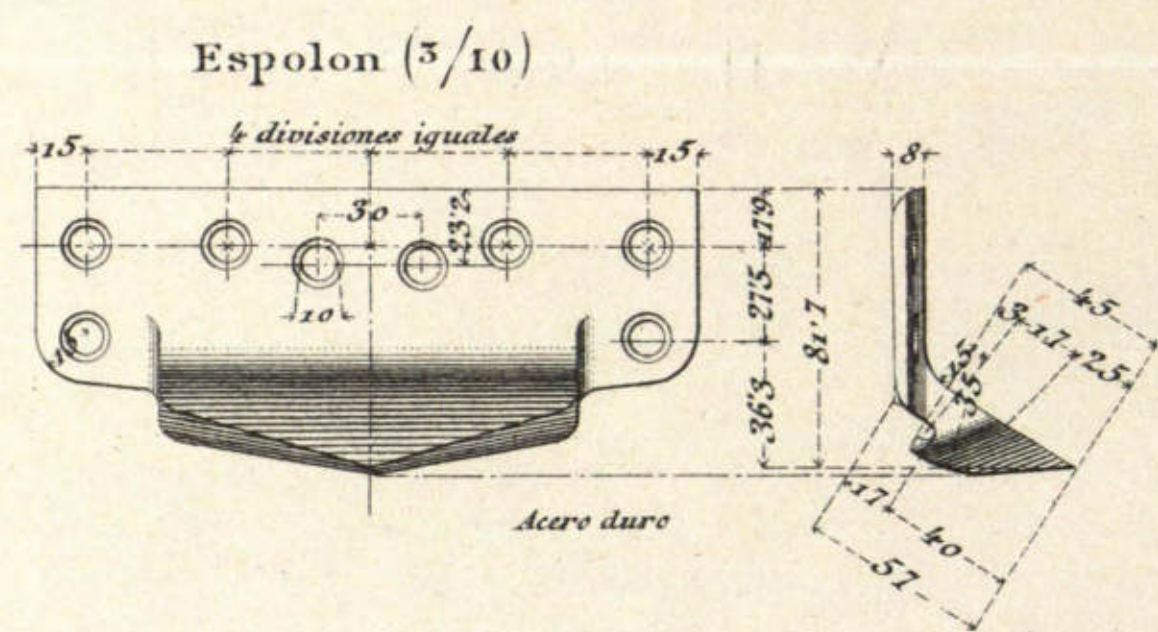
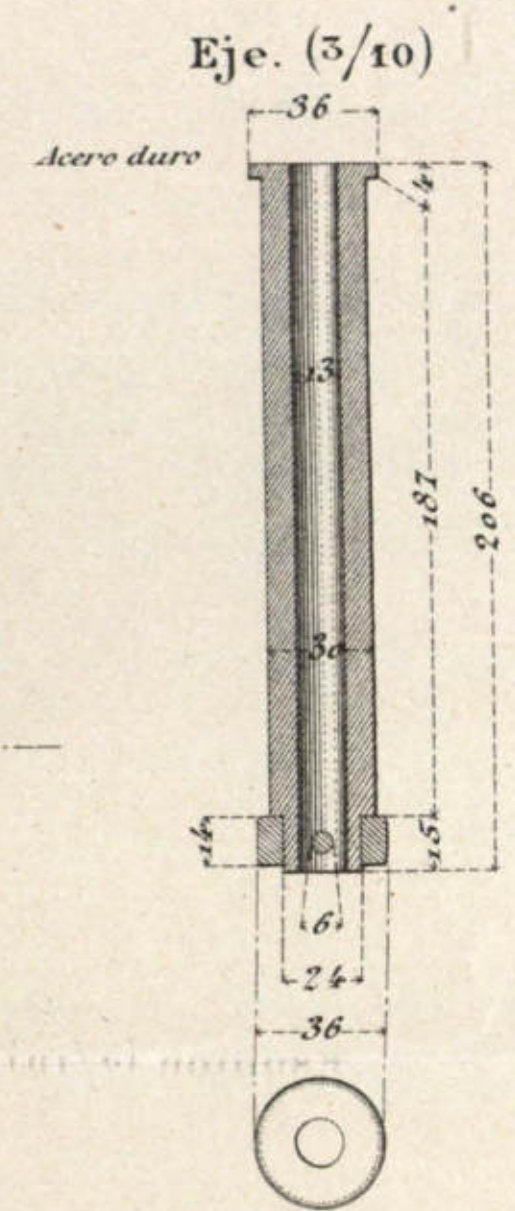
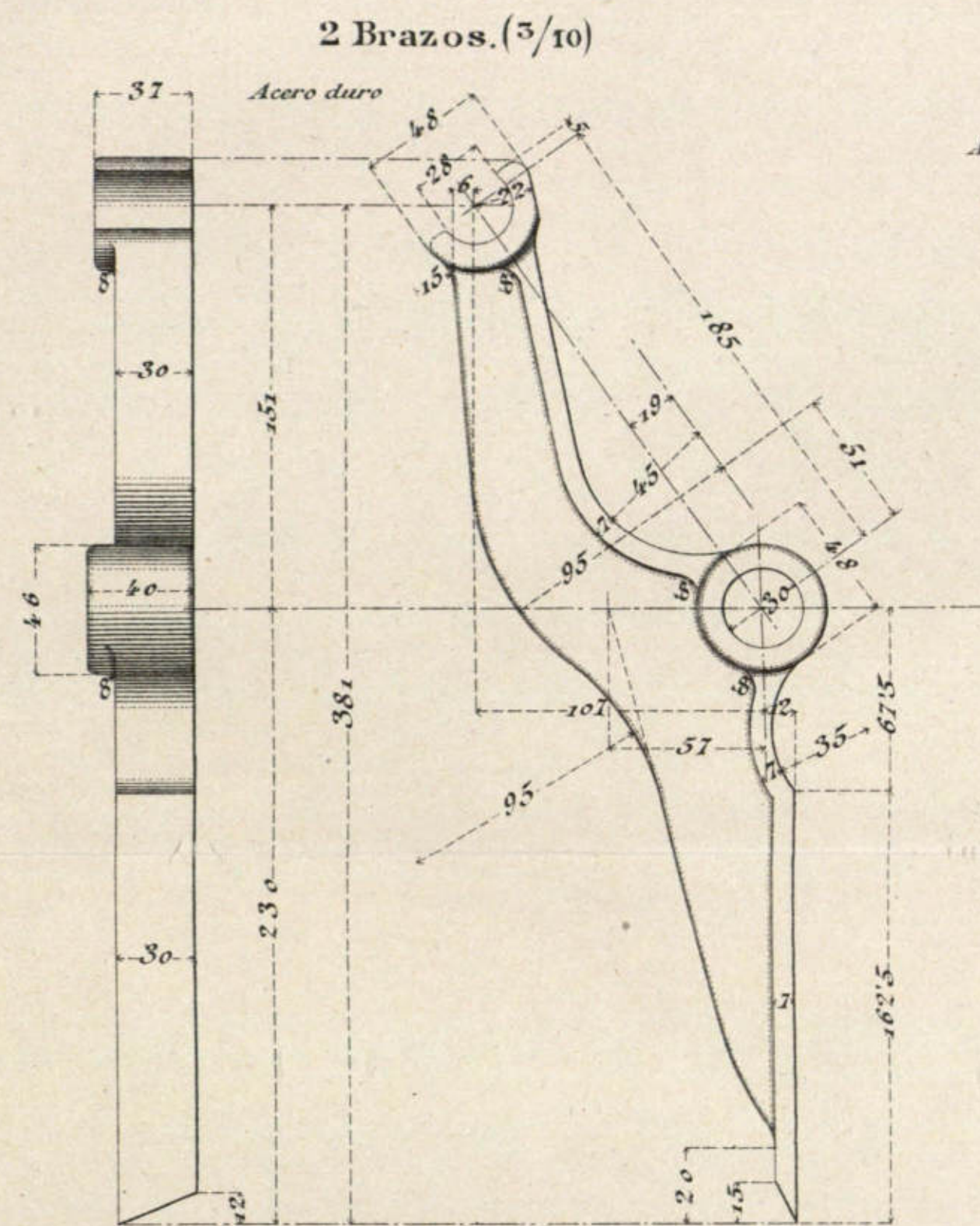
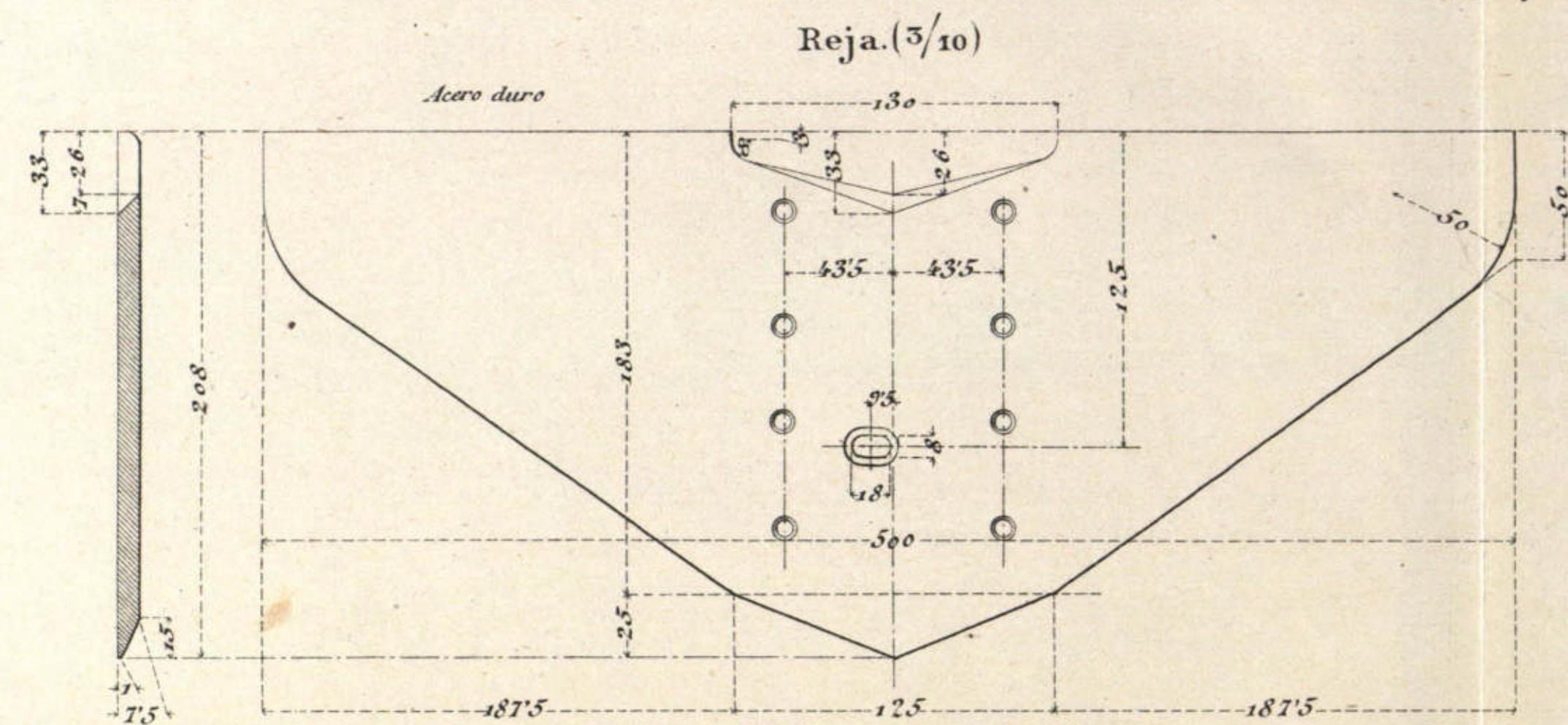
VISTAS Y CORTES DEL ARADO



R. Garcia.g^o

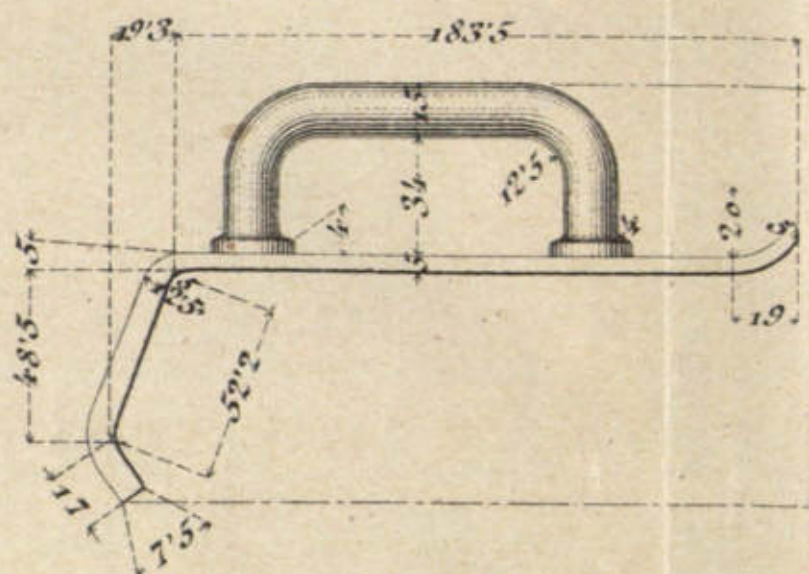
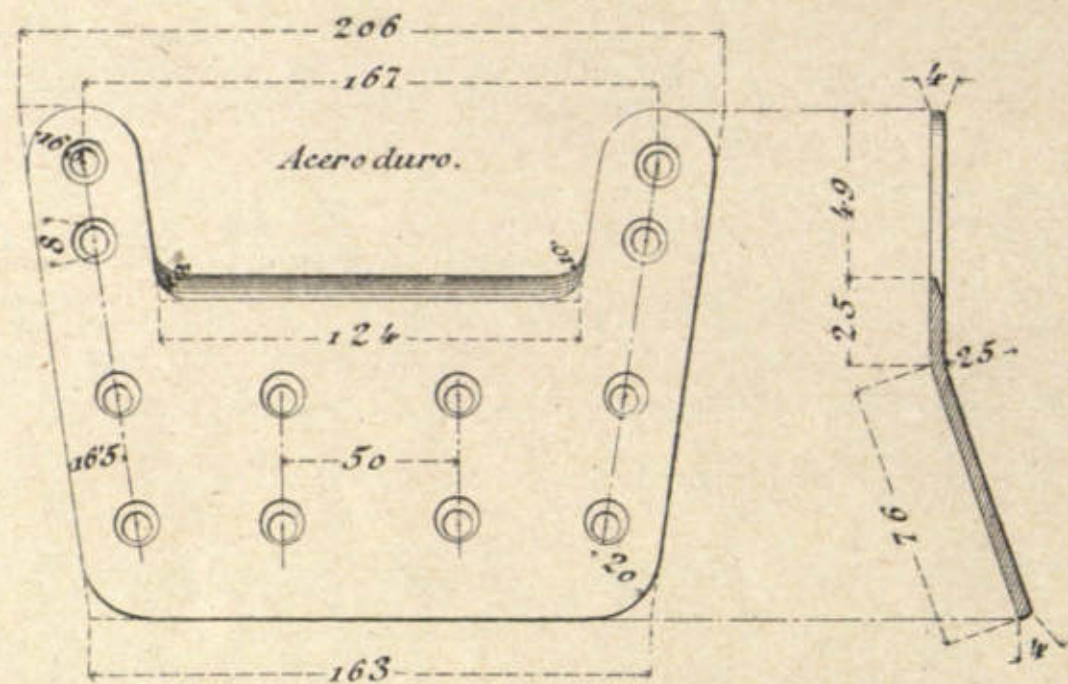
CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908

DETALLES DEL ARADO

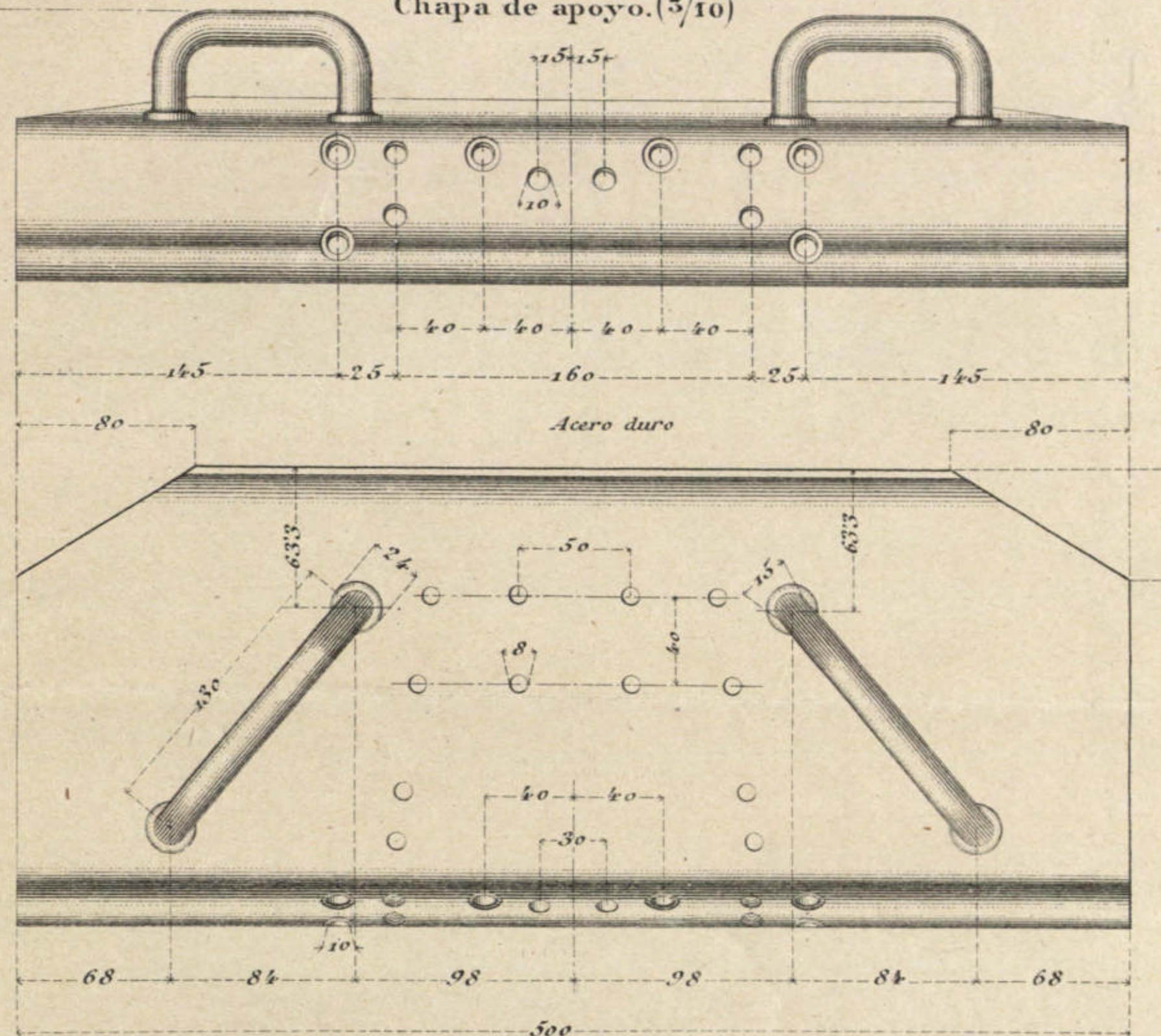


CAÑON Ac. MONTAÑA 7 cm. MODELO 1908

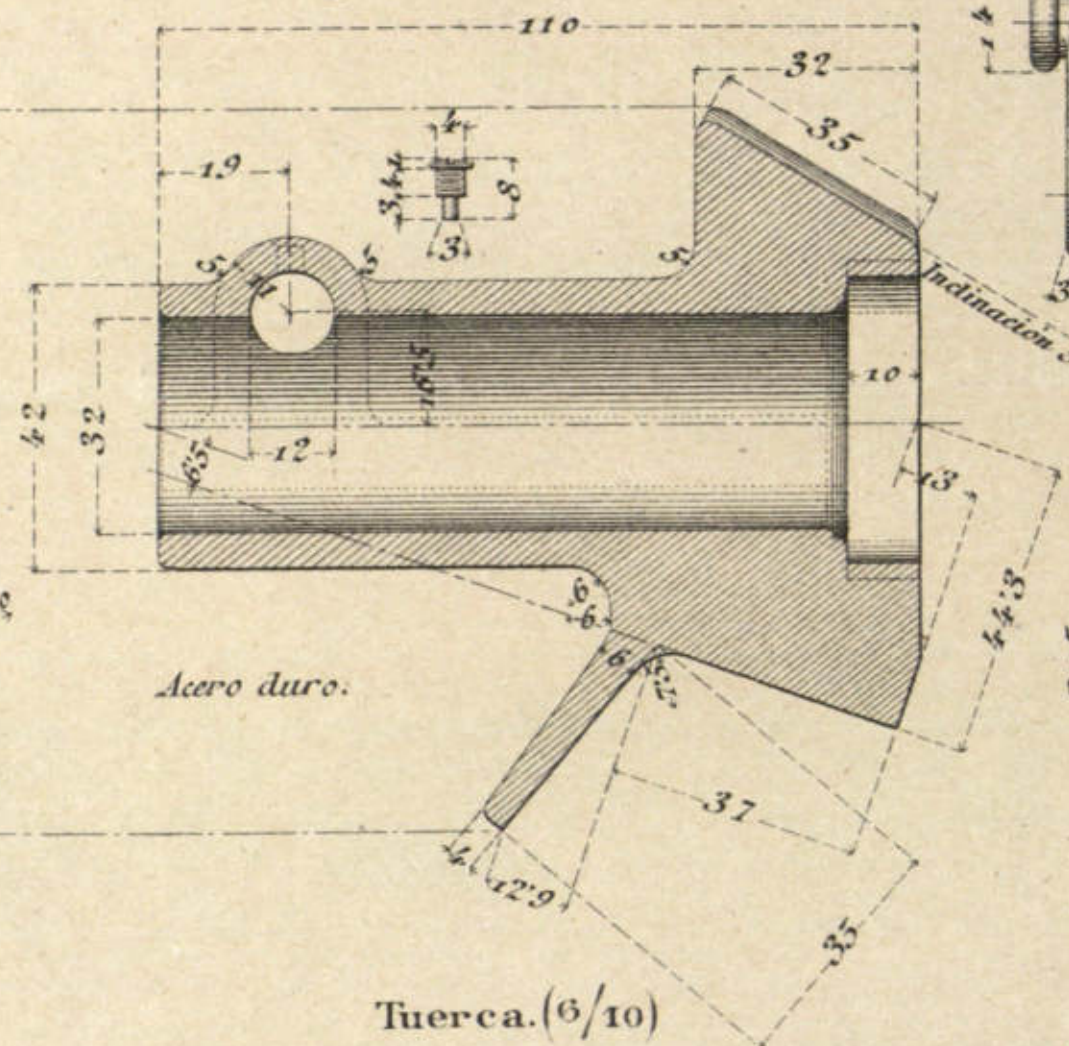
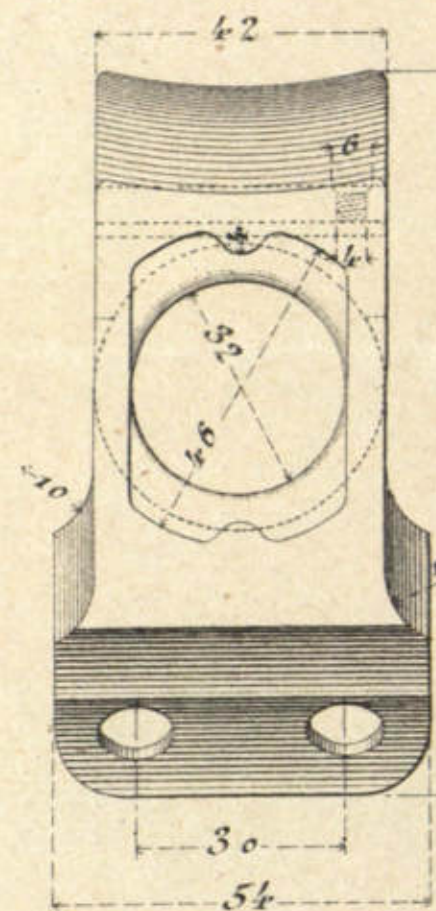
Refuerzo de las pestañas. (3/10)



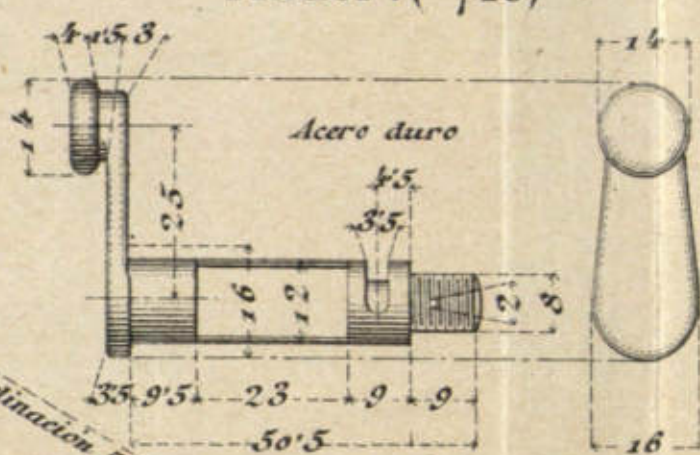
Chapa de apoyo. (3/10)



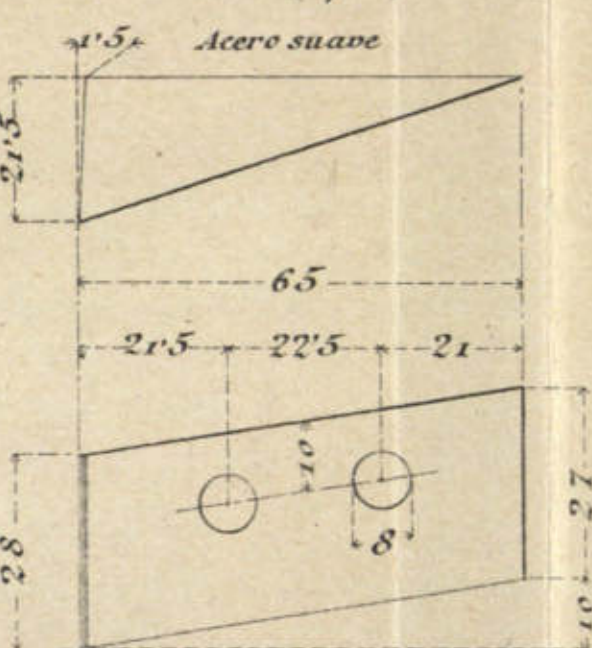
Puente de la palanca (6/10)



Fiador. (6/10)



Cuña (6/10)



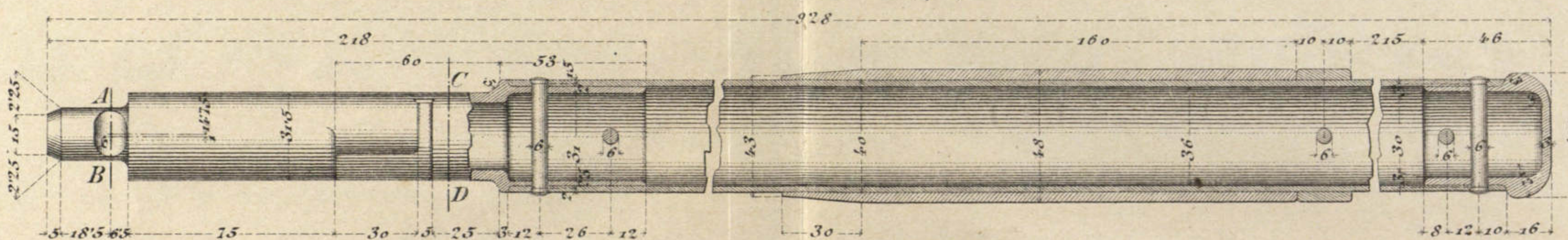
Muelle (6/10)



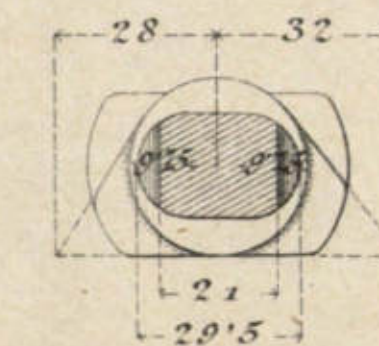
Tuerca. (6/10)



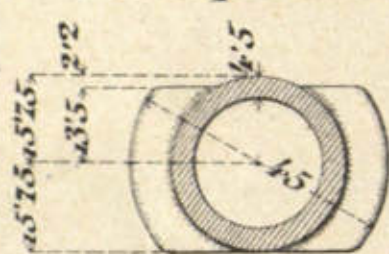
Palanca de dirección (1/2)



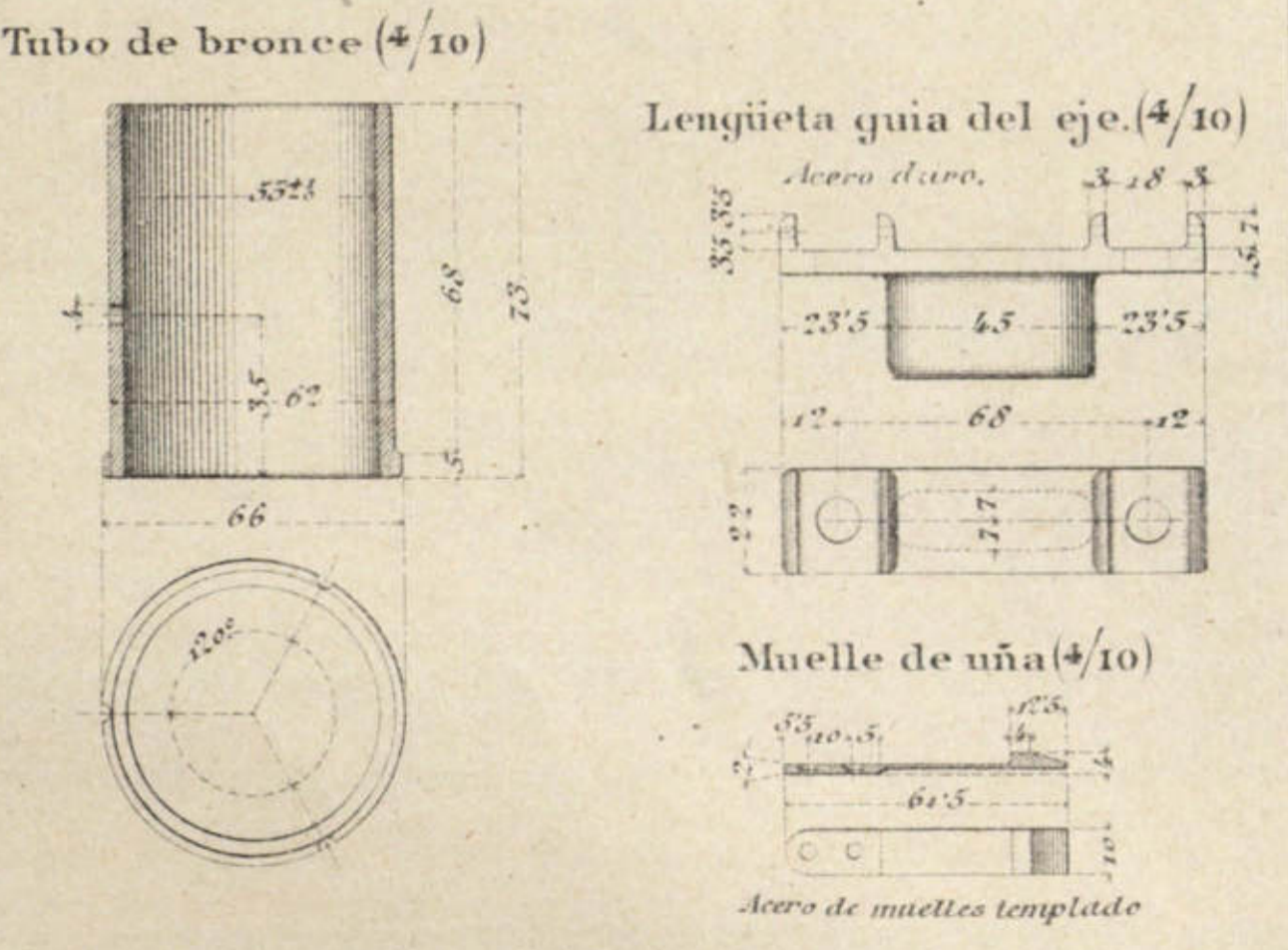
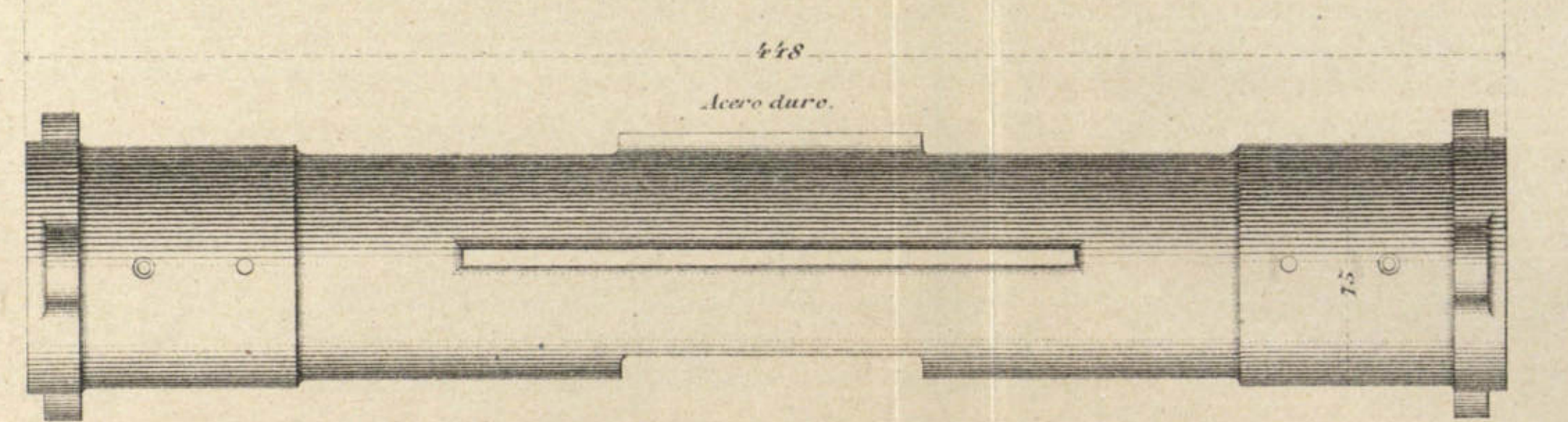
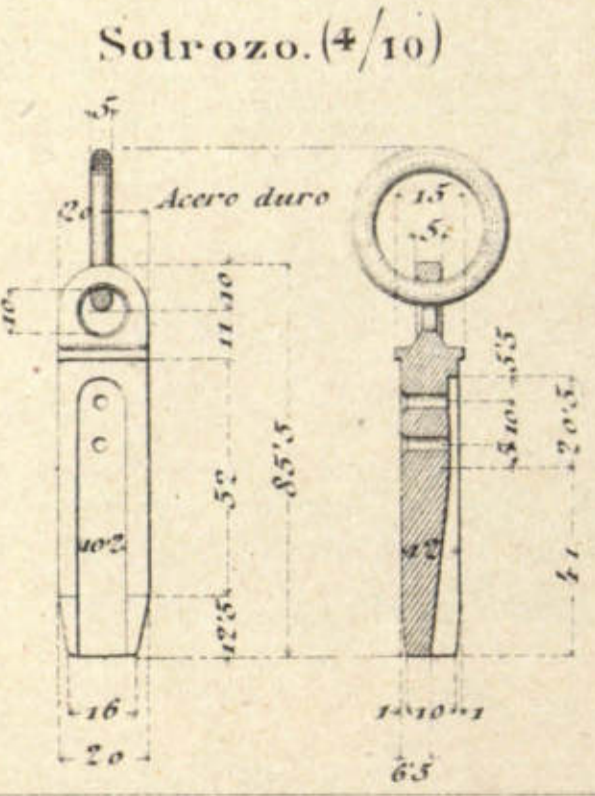
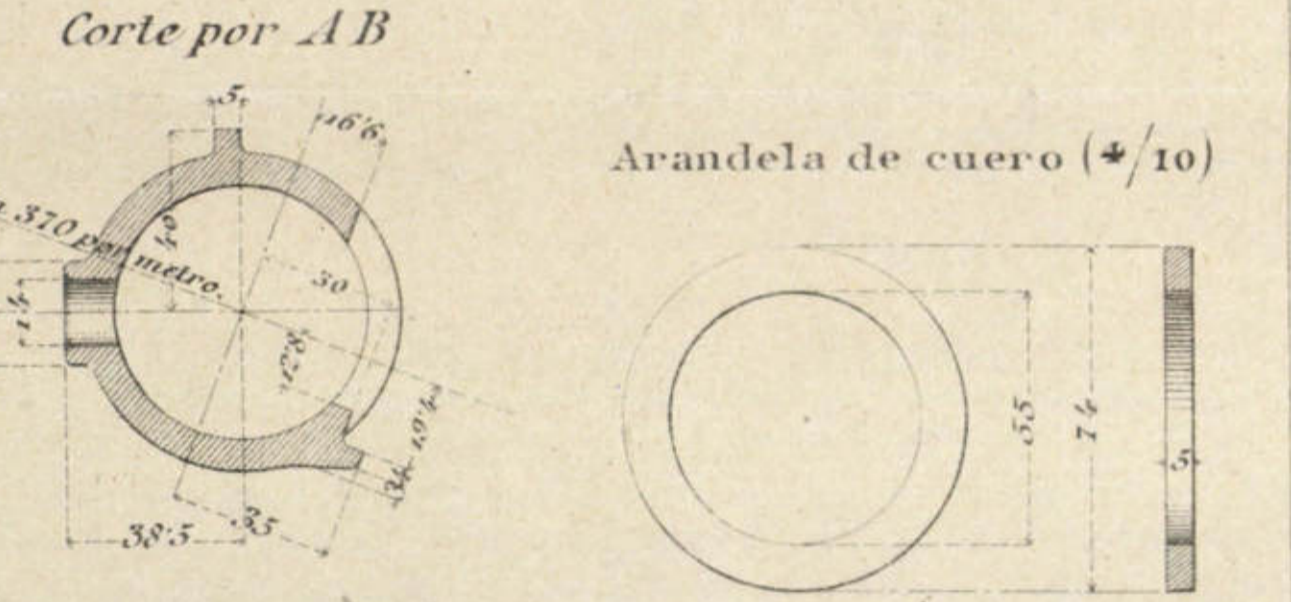
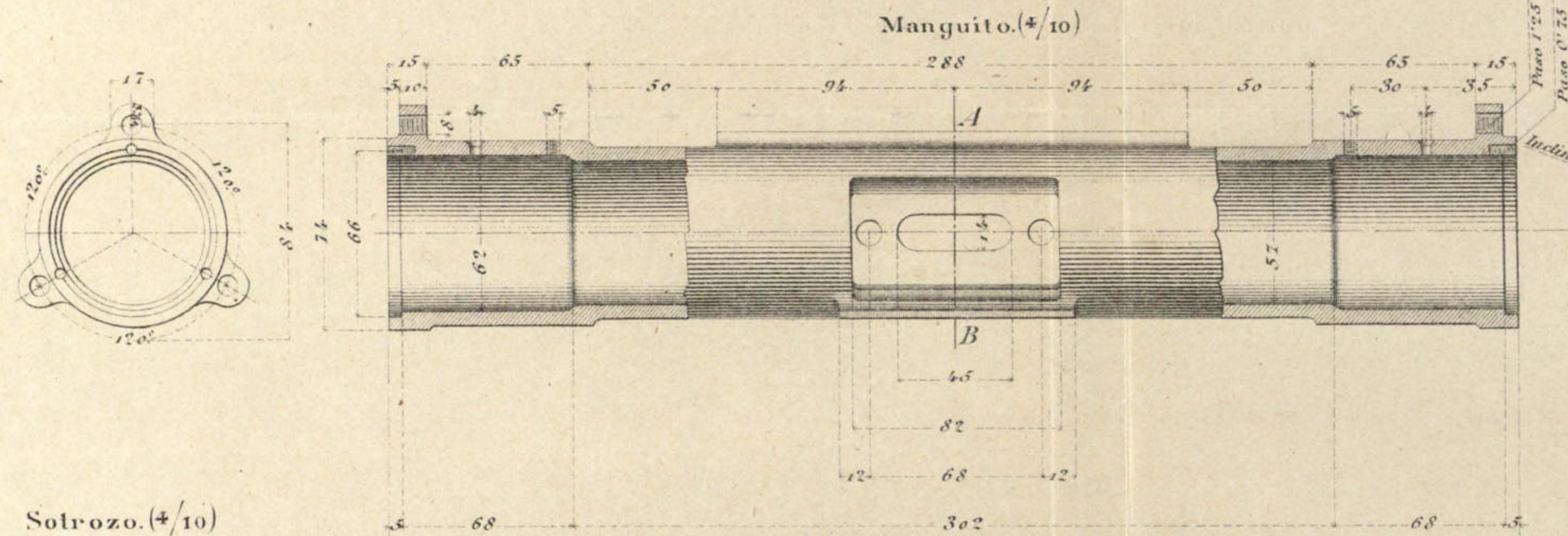
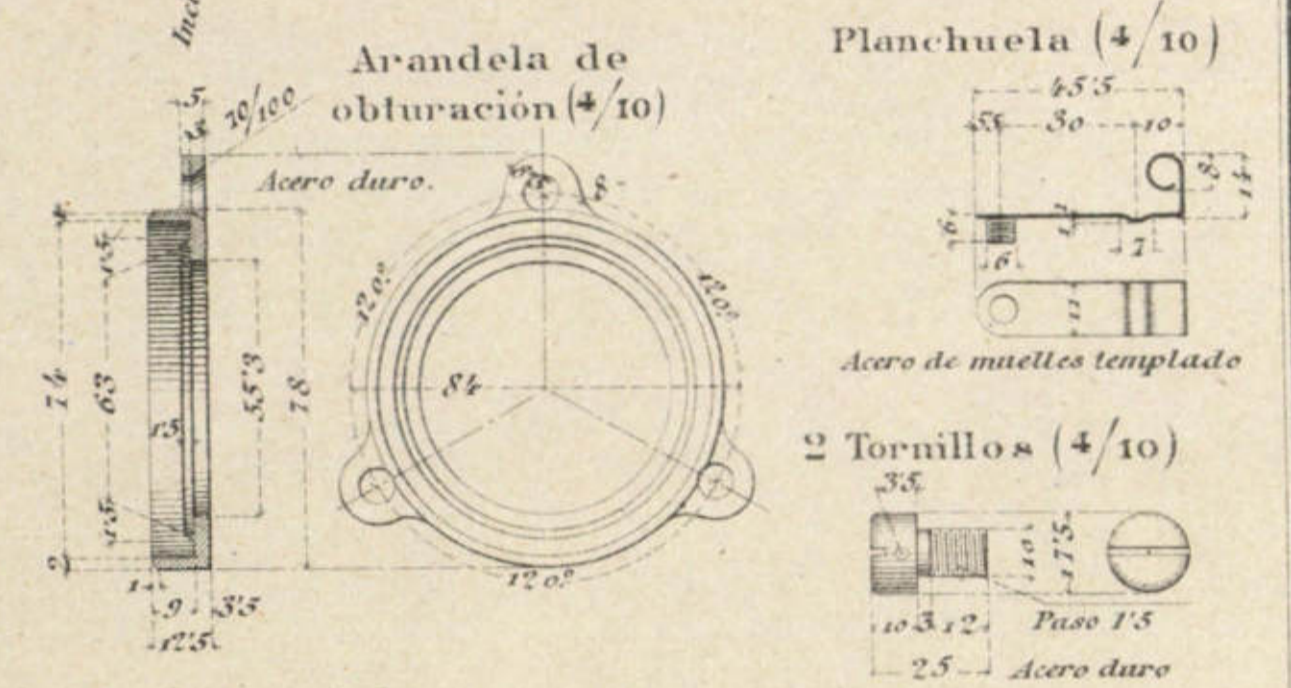
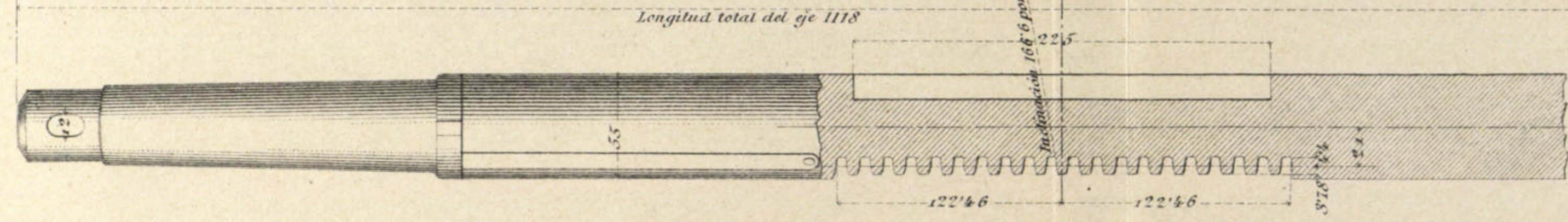
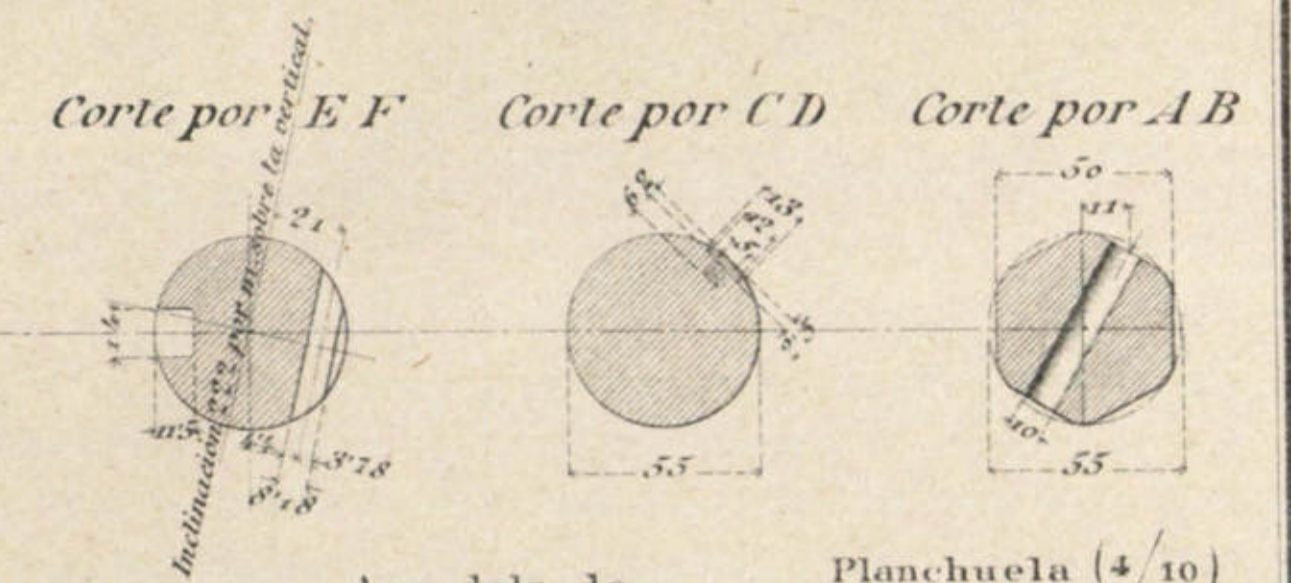
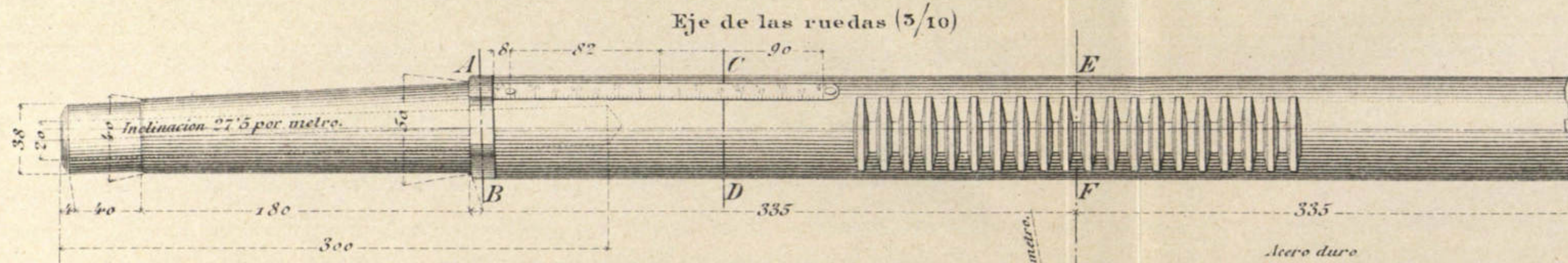
Corte por AB



Corte por CD

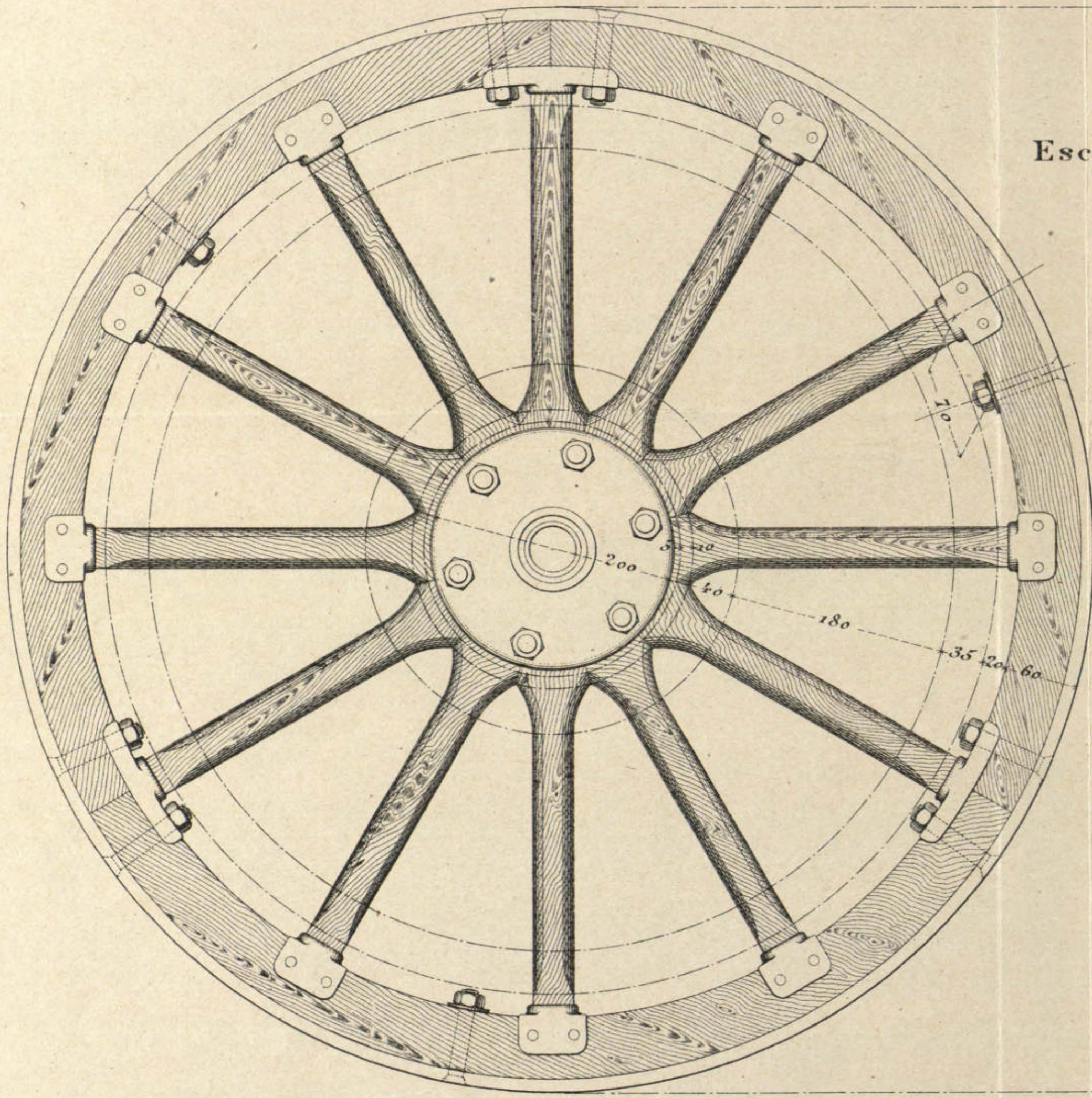


CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.



CAÑÓN Ac. MONTAÑA 7 cm. MODELO 1908.

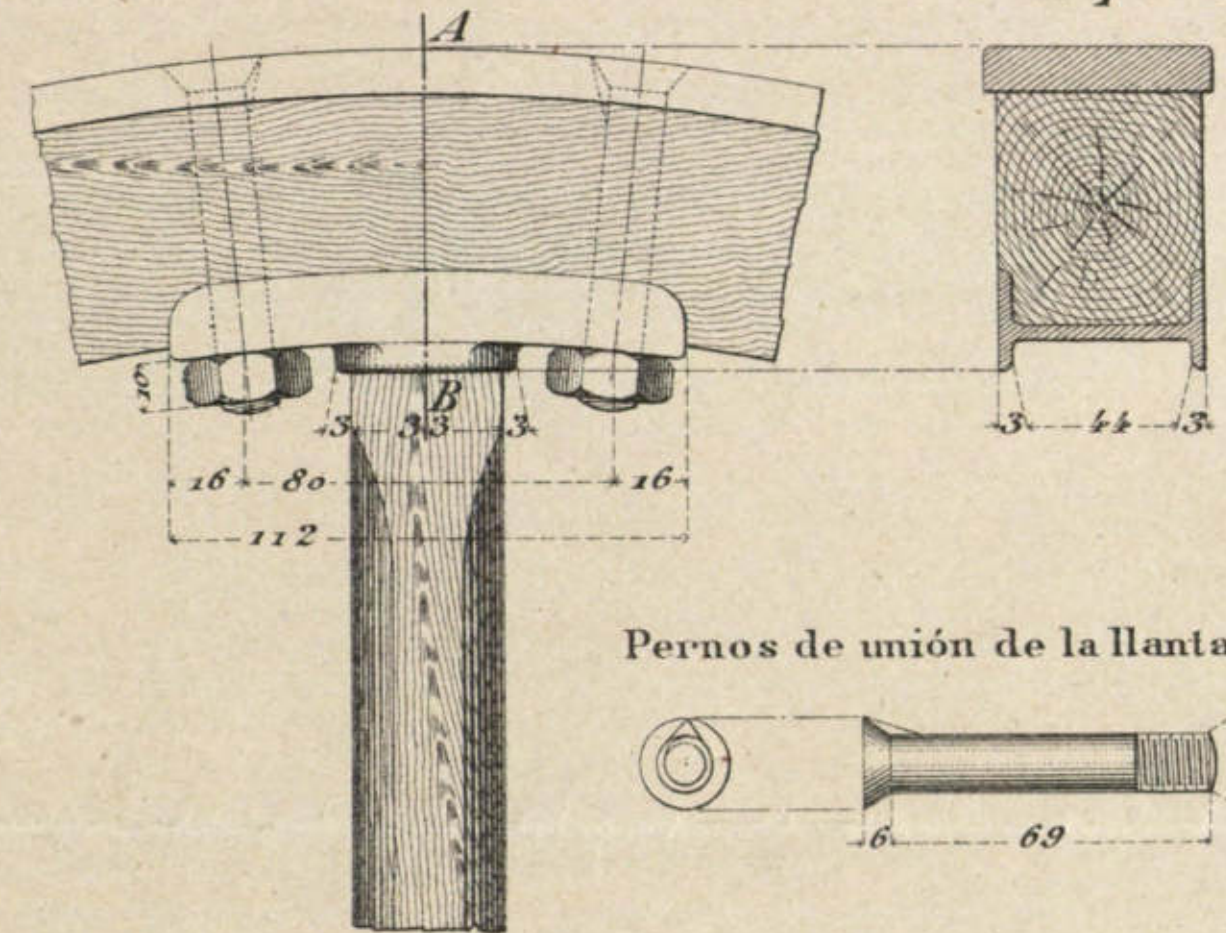
RUEDA Y DETALLES



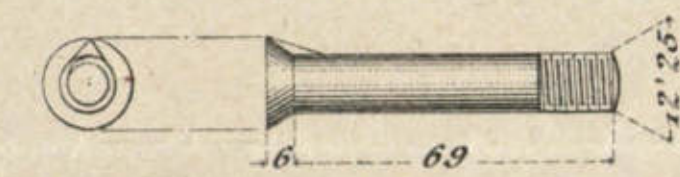
Escala 1/5

Escala 2/5

Sección por AB

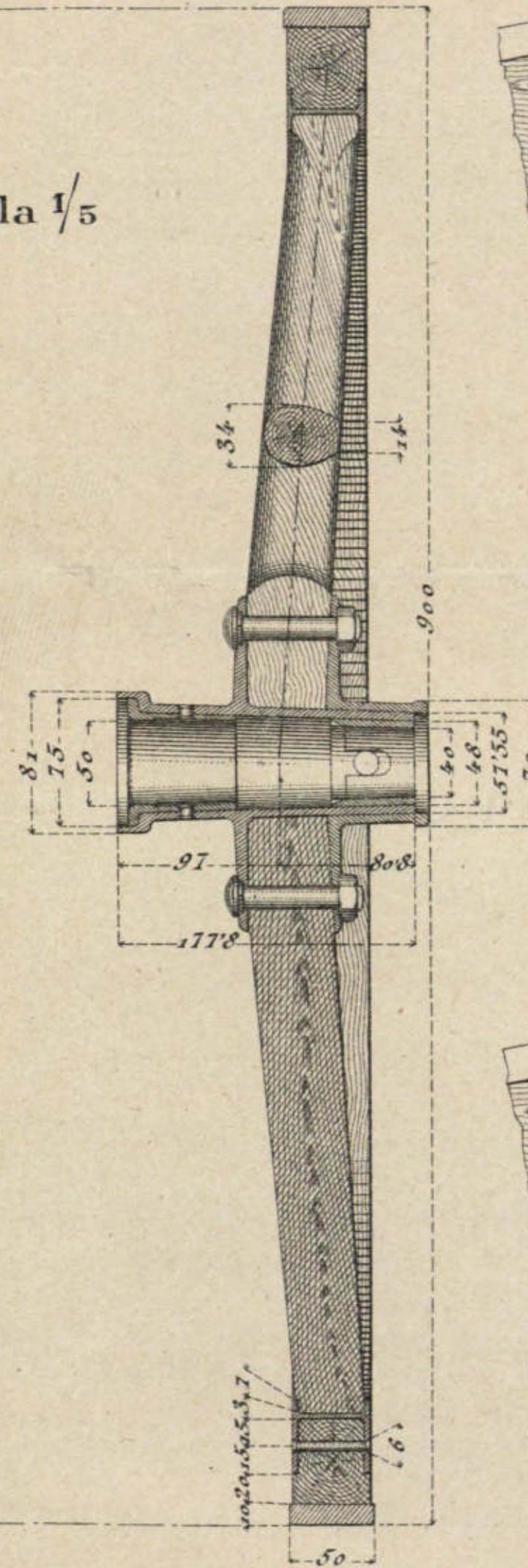
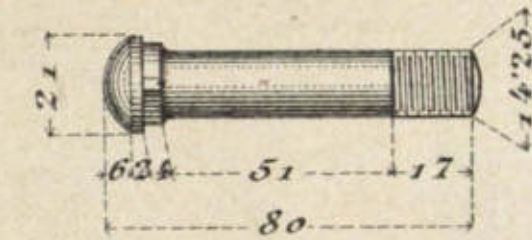
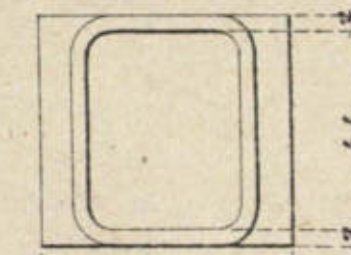


Pernos de unión de la llanta

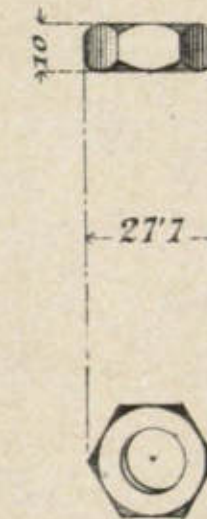


Casquillo de unión de rayos.

Pernos de cubo



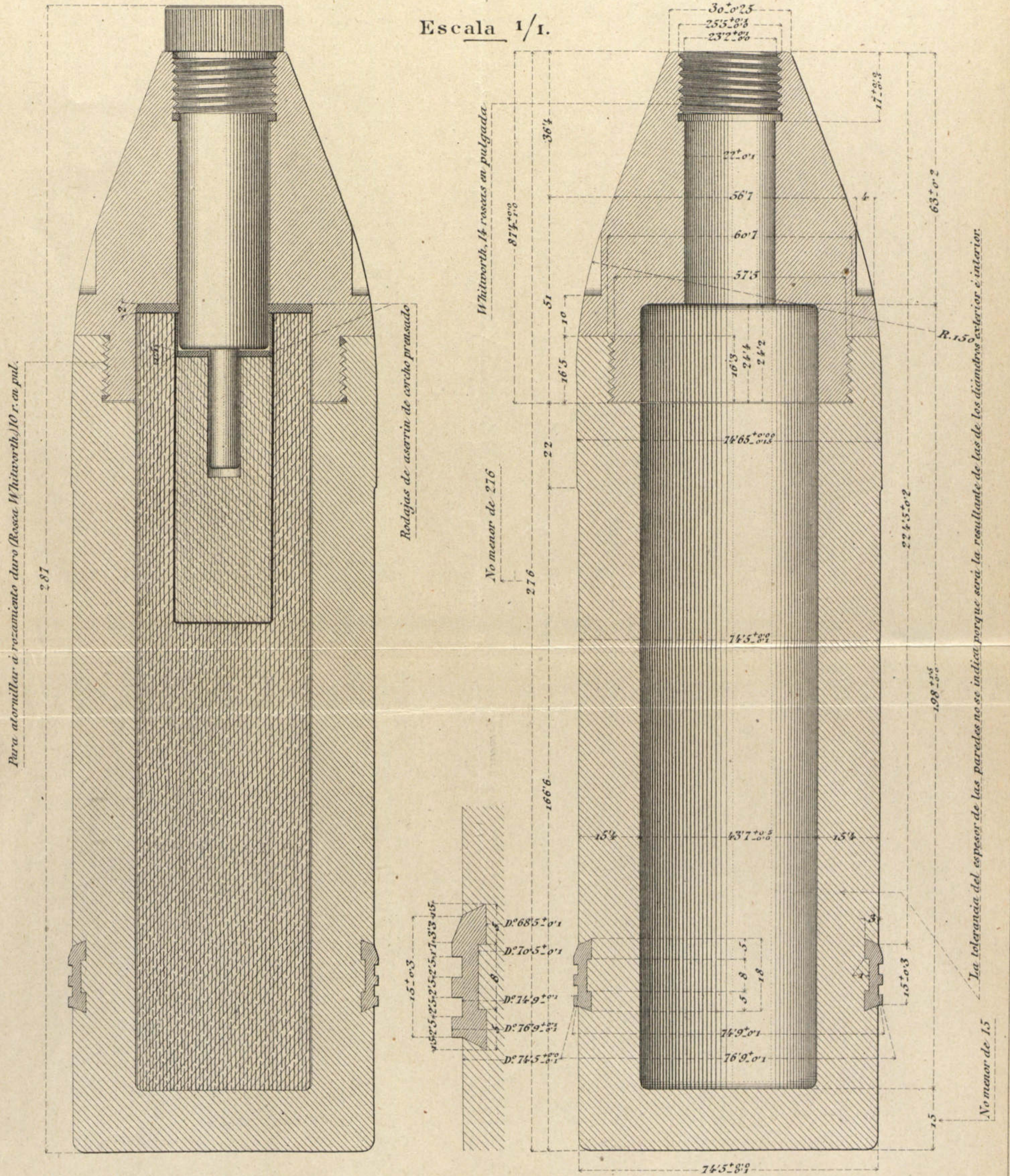
Tuerca



GRANADA ROMPEDORA DE ACERO DE 7'5 cm. PARA CAMPAÑA.

Granada organizada en disposicion de tiro

Cuerpo de la granada (Acero para rompedoras.)



Características mínimas

Granada vacía.....	5.823 Kg. ± 0'058	(Cuerpo forjado, templado y recoado.) Rotura..... 90 Kg x m/m. ² Limite elástico..... 50 " Alargamiento..... 11 % Sección..... 94'98 m/m. ² Distancia entre trazos..... 69 m/m.
Espoleta cebo (con cebo para campaña).....	0'236 " ± 0'002	
Carga de trilita. (δ=1'6) (con envoltura) 0'400	0'441 " ± 0'010 (7%)	
Multiplicador (δ=1'5)..... 0'041		
Total	6.500 Kg. ± 0'070	

Densidad del acero 7'8

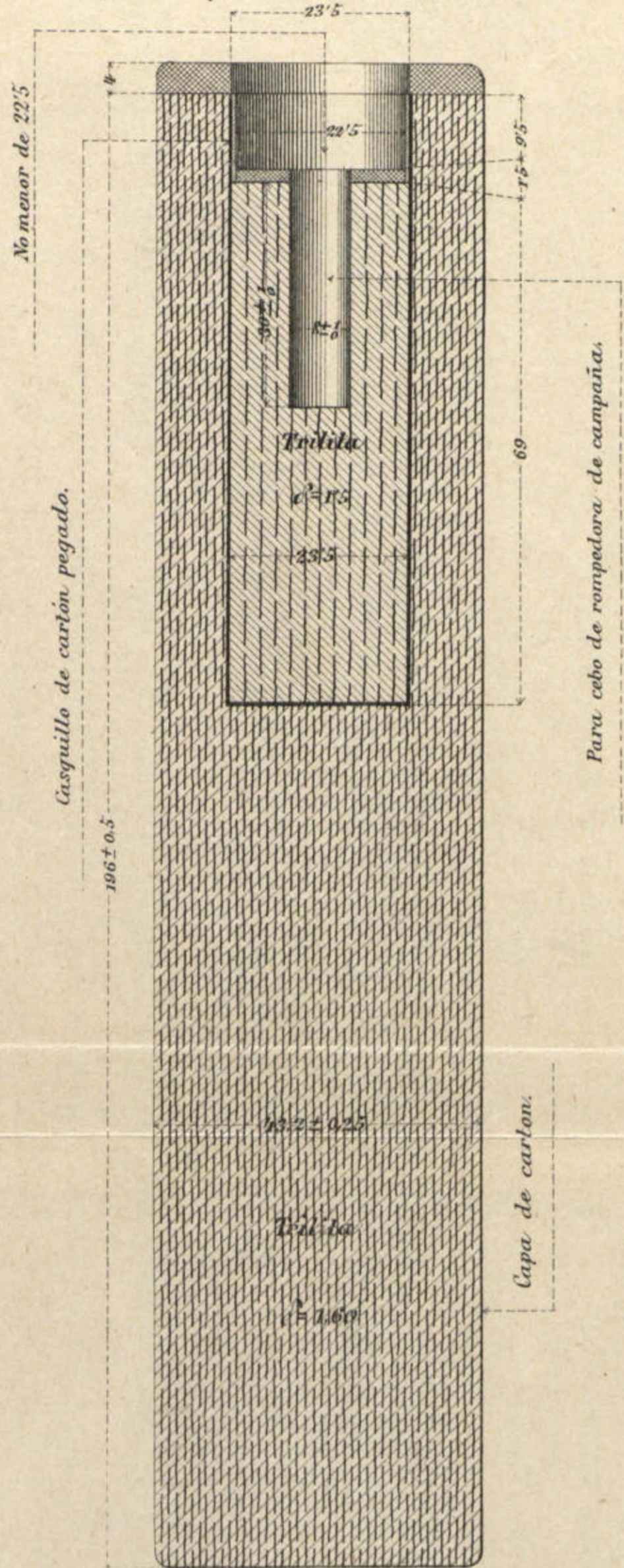
Barreta

GRANADA ROMPEDORA DE ACERO DE 7'5 cm. PARA CAMPAÑA.

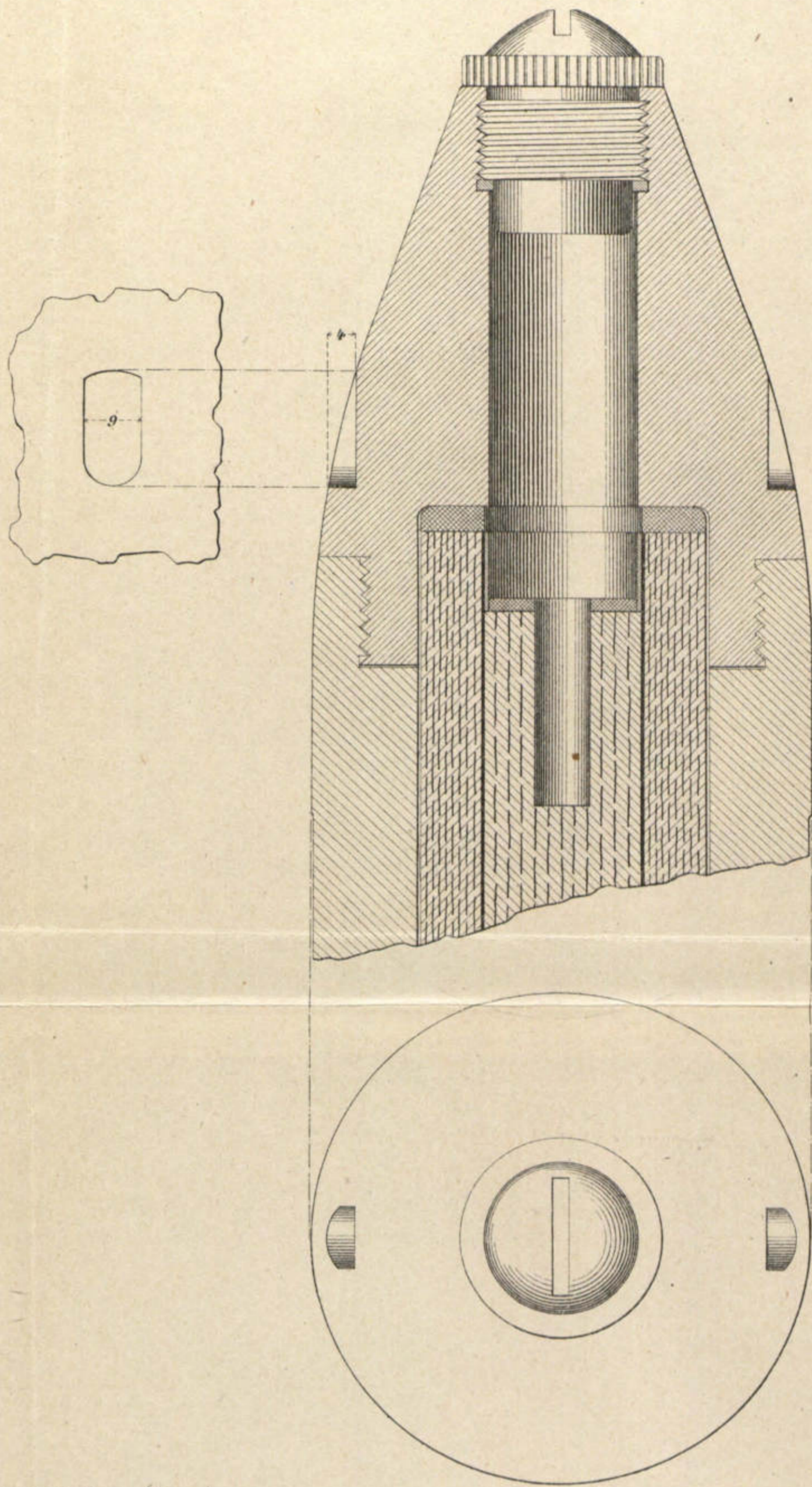
DETALLES.

Escala 1/1.

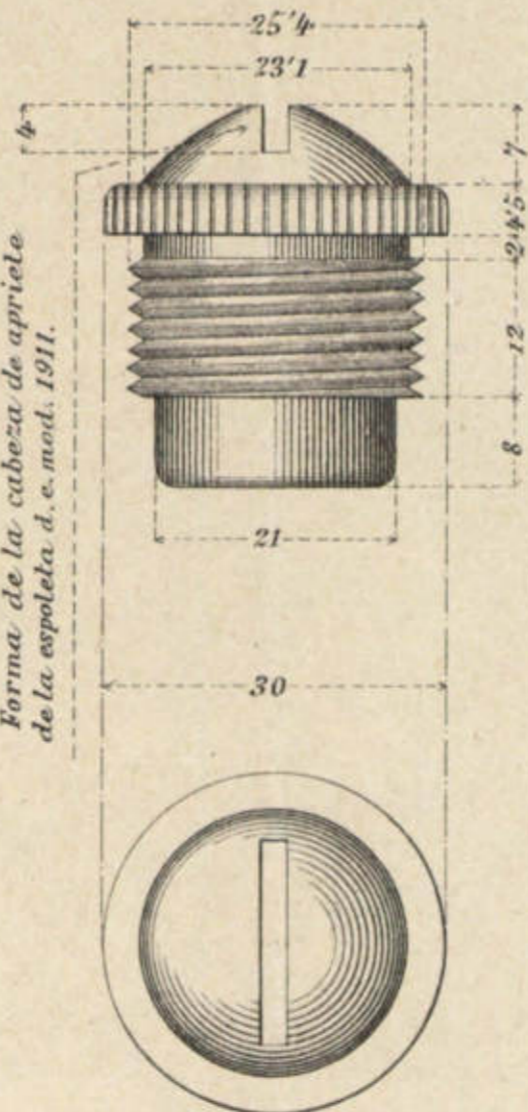
Carga de la granada y multiplicador.



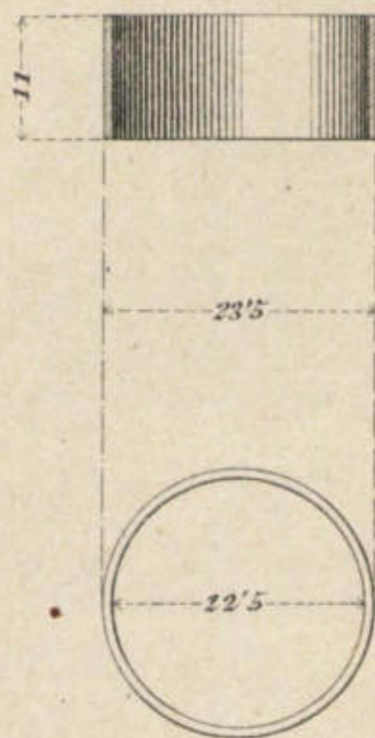
Granada en disposición de transporte.



Tapón de transporte. (Zinc.)

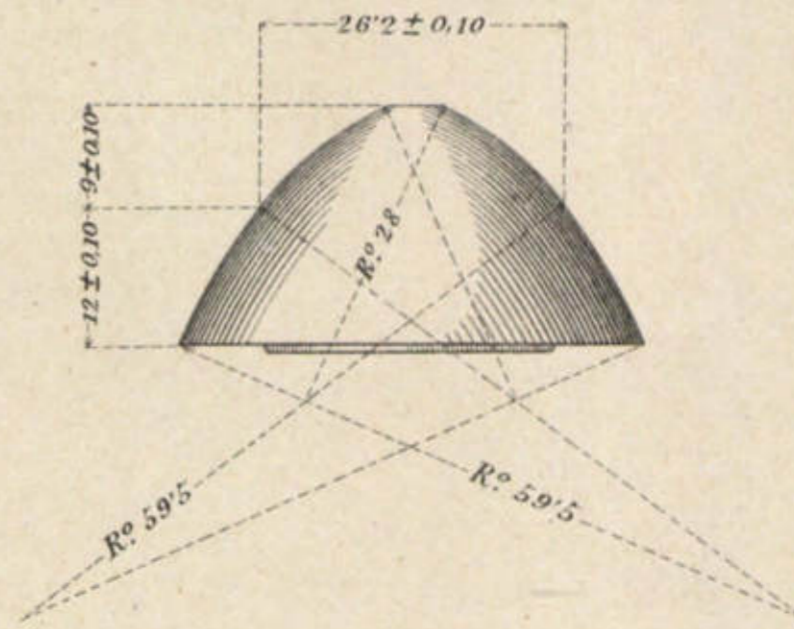


Casquillo de cartón para sujetar el multiplicador.



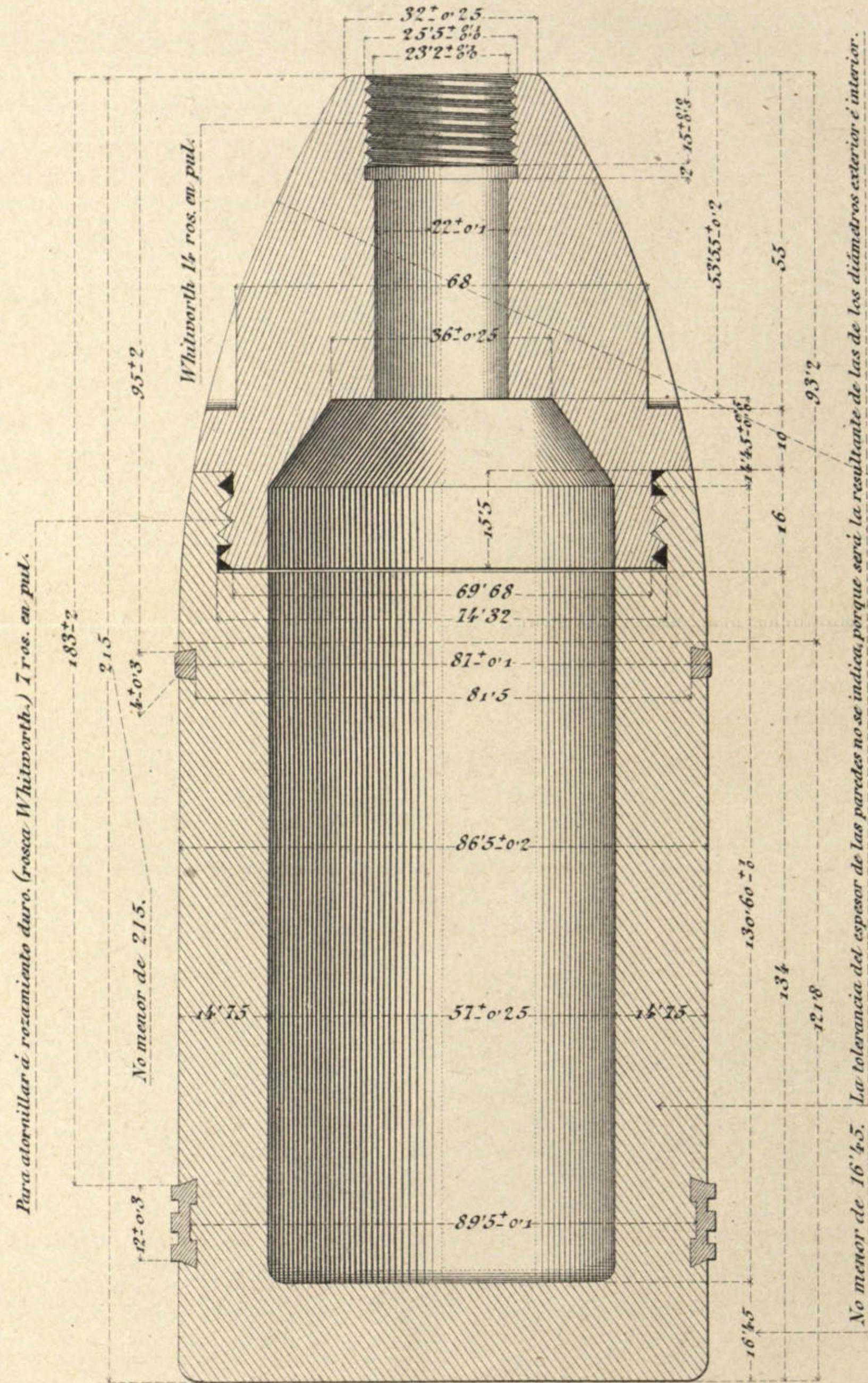
Cabeza de apriete de la espoleta d. e. mod. 1911.

Forma de la cabeza de apriete de la espoleta d. e. mod. 1911.



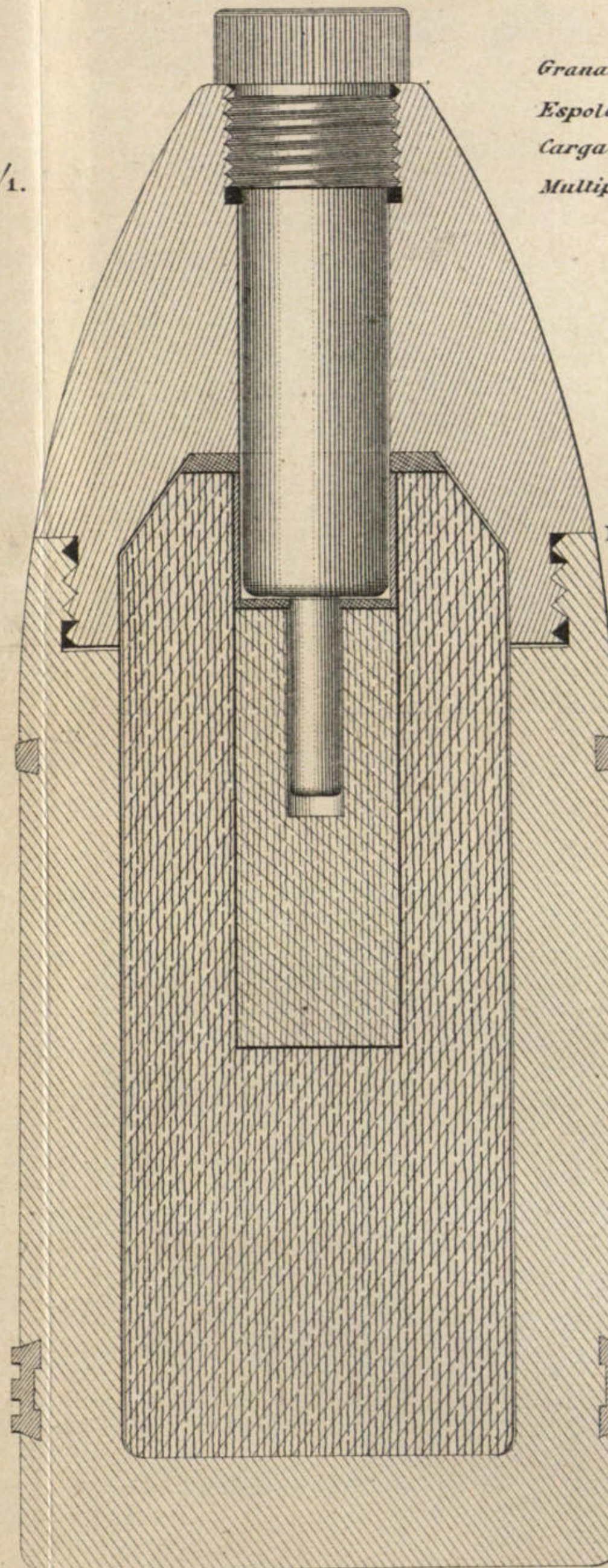
GRANADA ROMPEDORA Md. 1916 PARA C. Ac. Y Bc. DE 9 cm.

Cuerpo de la granada.
(Acero para rompedoras)



Escala 1/1.

Granada organizada en disposición de tiro.



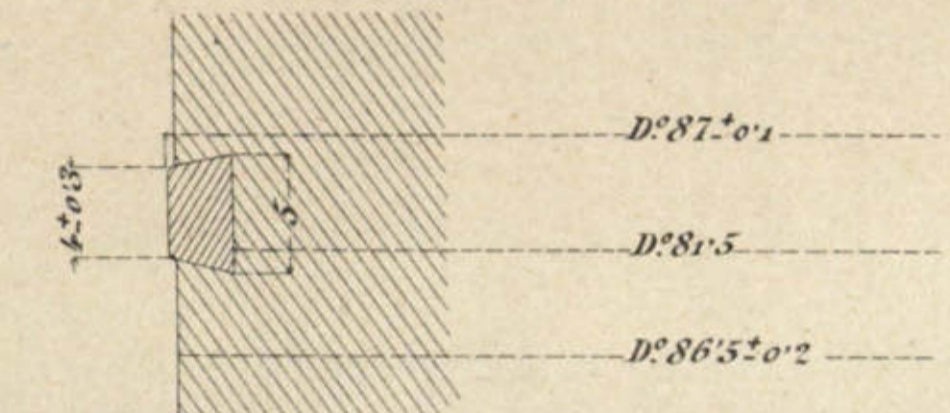
Granada vacía.....	5.526 Kg ± 0.055
Espoleta-cebo reglamentaria.....	0.236 " ± 0.002
Carga de trilita (δ=16)(con envoltura)0.501	0.538 " ± 0.010
Multiplicador..... (δ=x15).....	
Total.....	6.300 Kg ± 0.067

Características mínimas

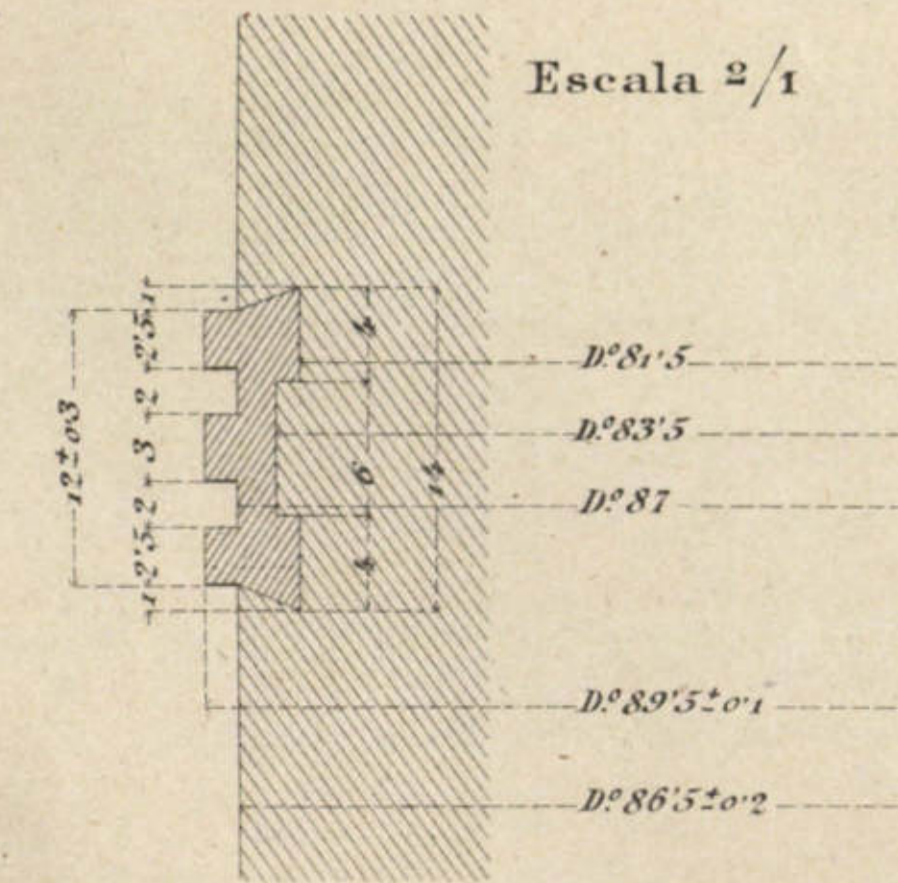
Cuerpo forjado, templado y recocido

Rotura.....	90 Kg. x m/m. ²
Límite elástico.....	50 "
Alargamiento.....	11 %
Sección.....	94.98 m/m. ²
Distancia entre trazos.....	69 m/m.
Densidad del acero.....	7.8

Barreta



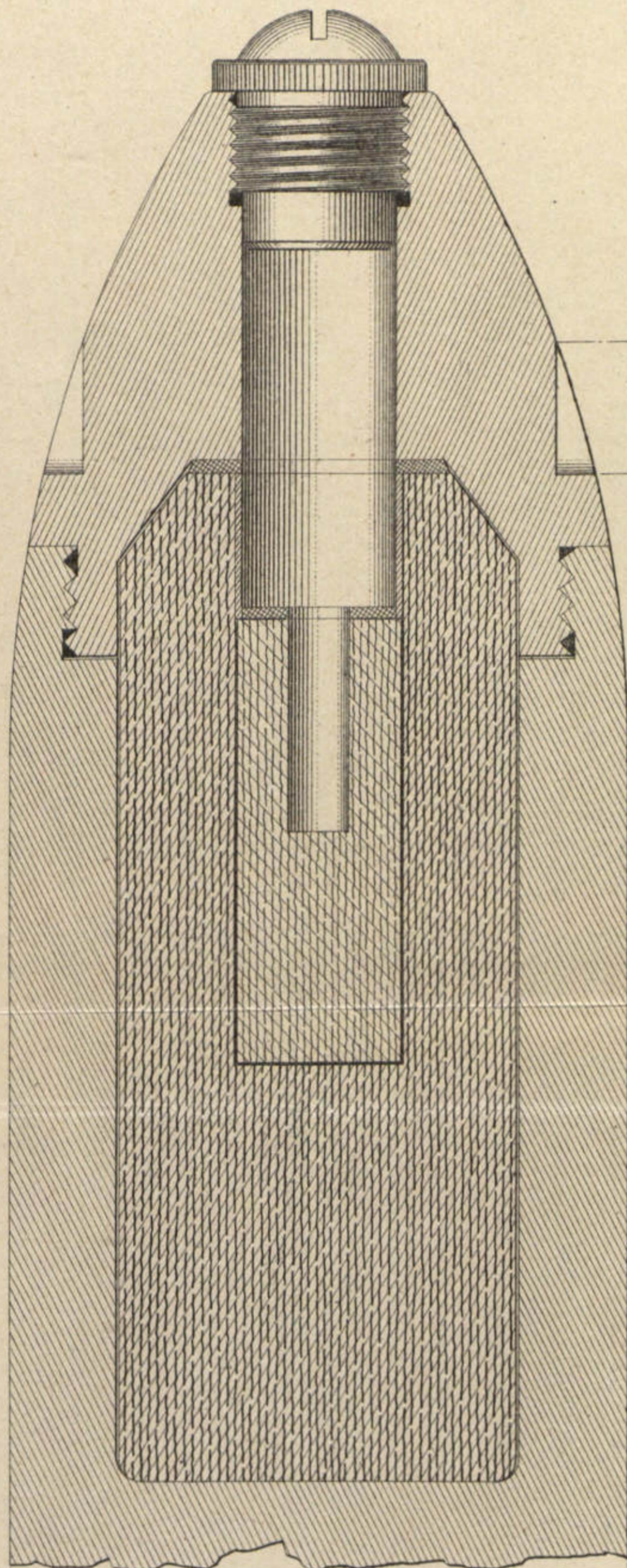
Escala 2/1



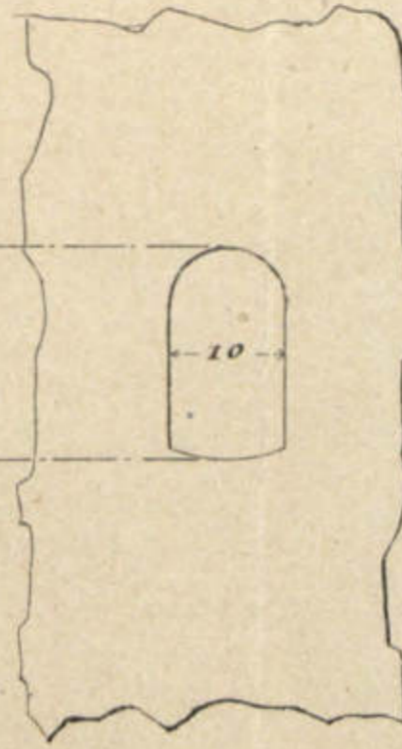
GRANADA ROMPEDORA Md. 1916 PARA C. Ac. Y Bc. DE 9 cm.

DE TALLERES

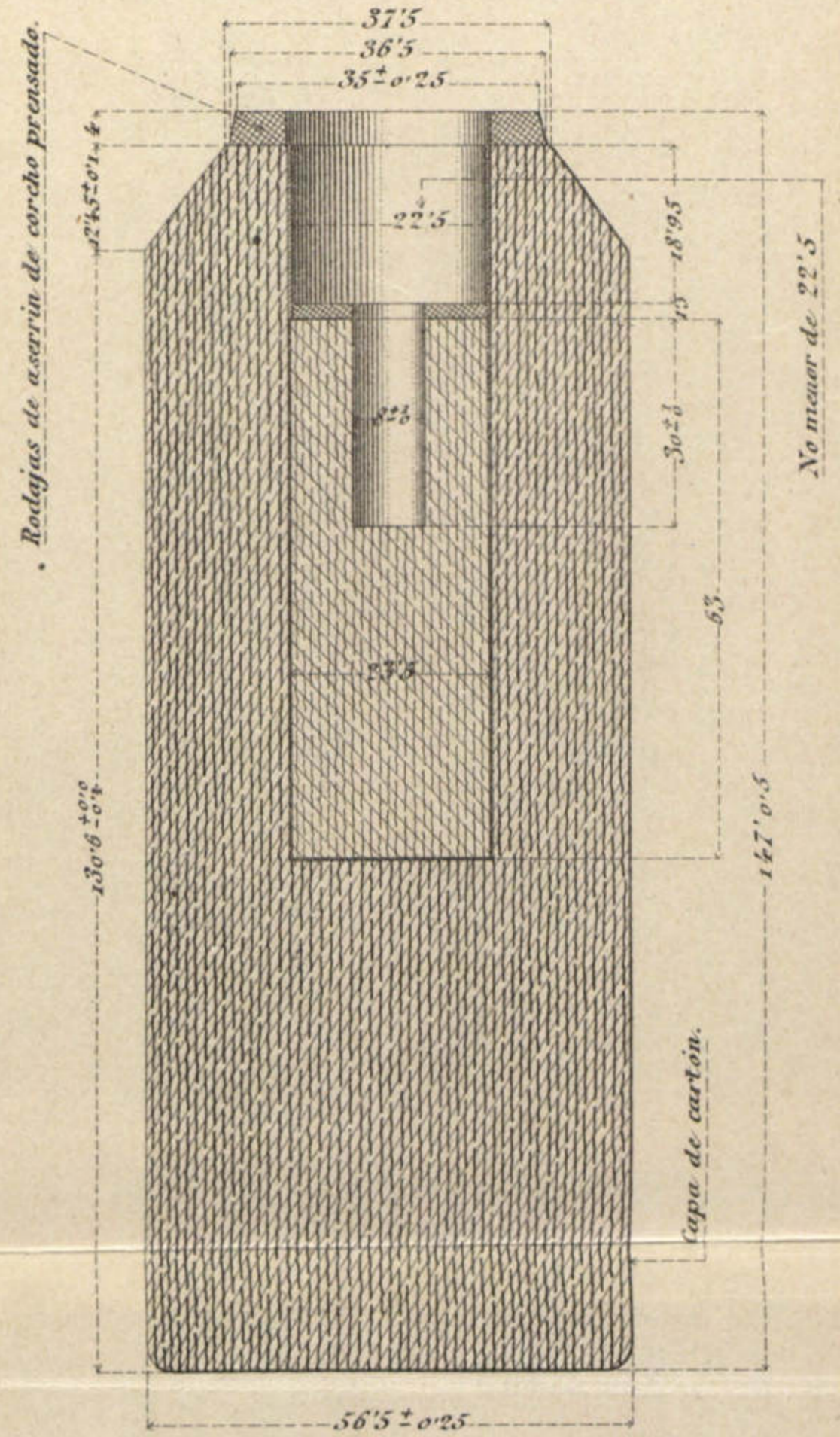
Granada en disposición de transporte



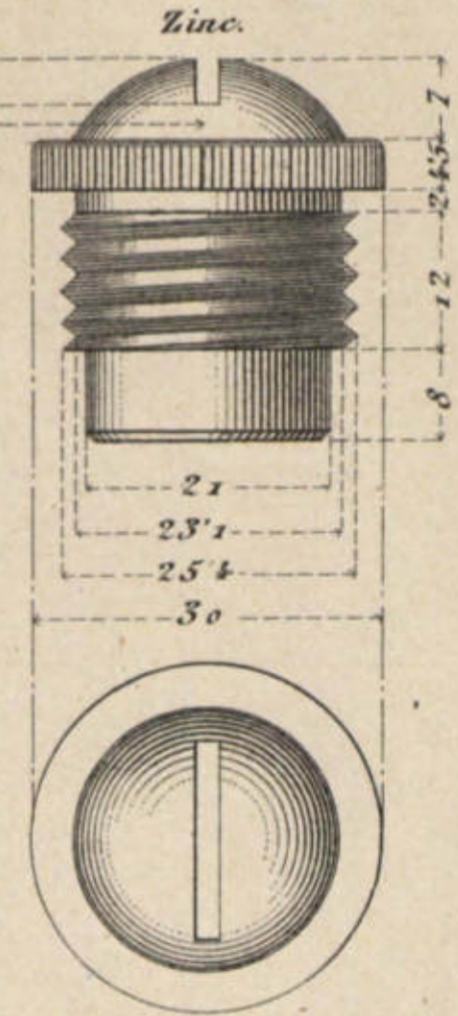
Escala 1/1



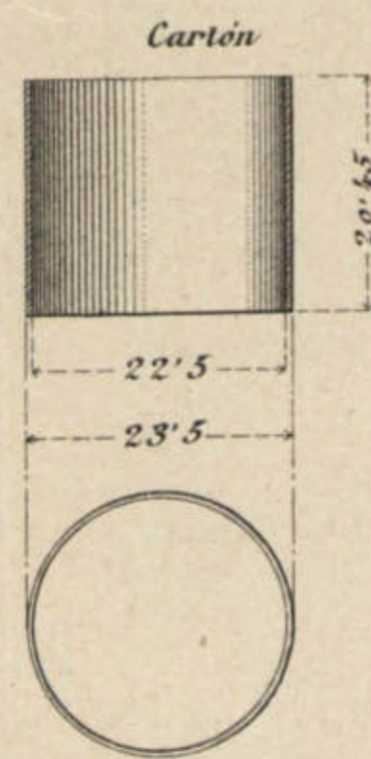
Carga de la granada y multiplicador



Tapón de transporte

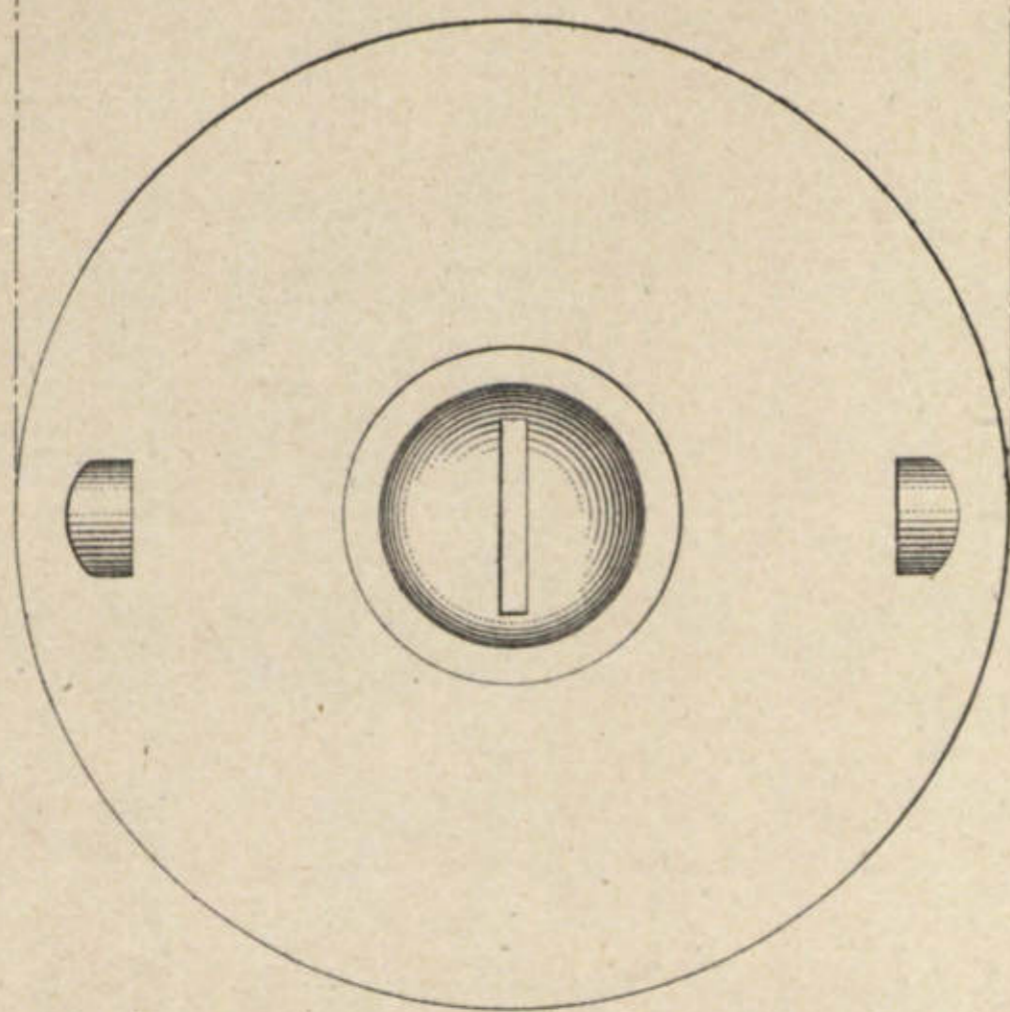
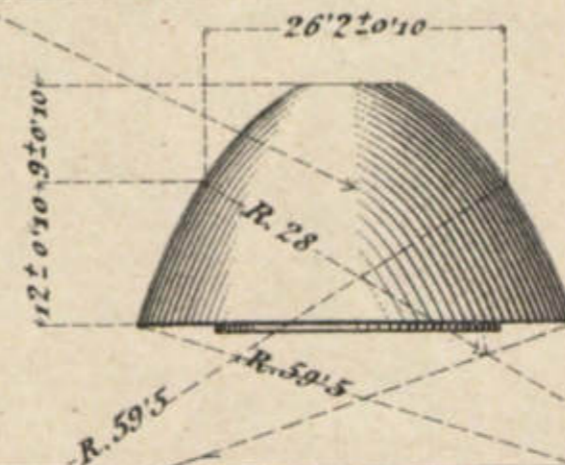


Casquillo para sujetar el multiplicador



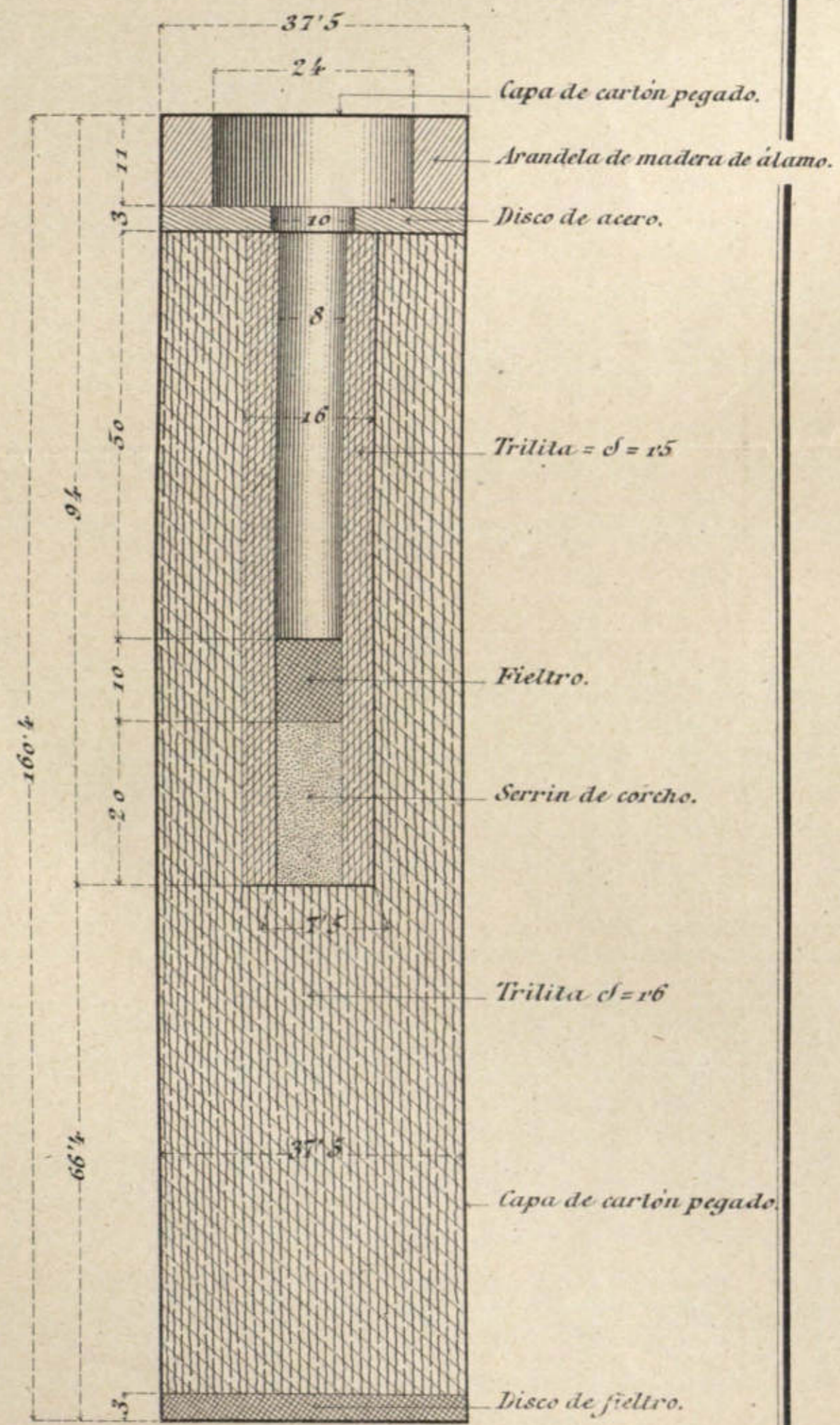
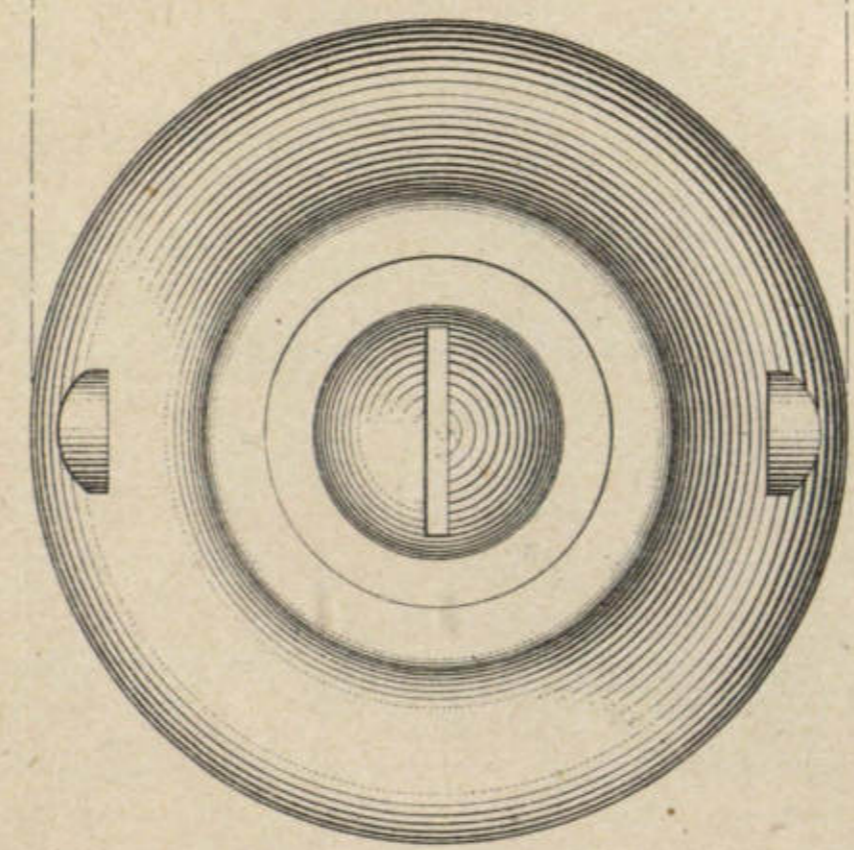
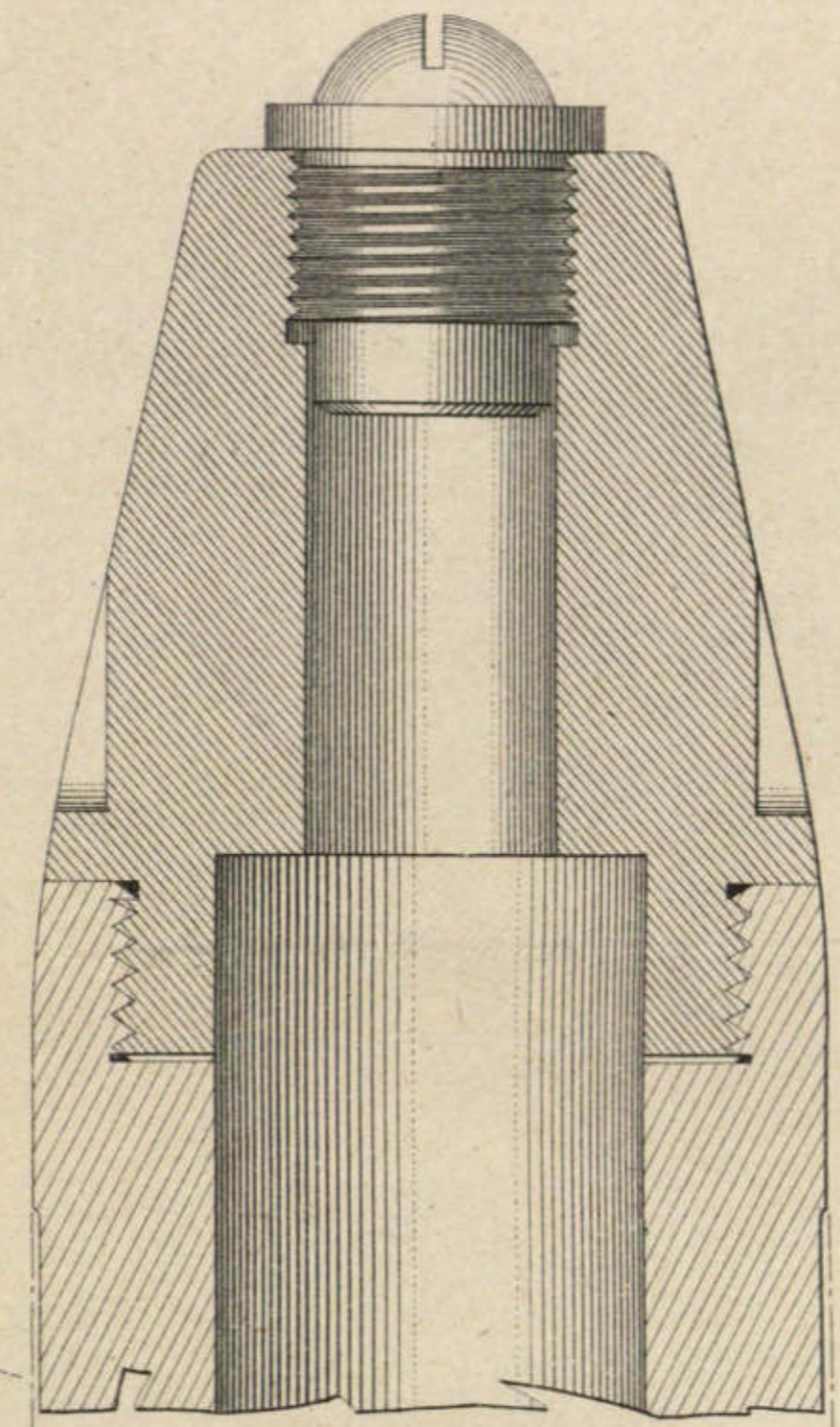
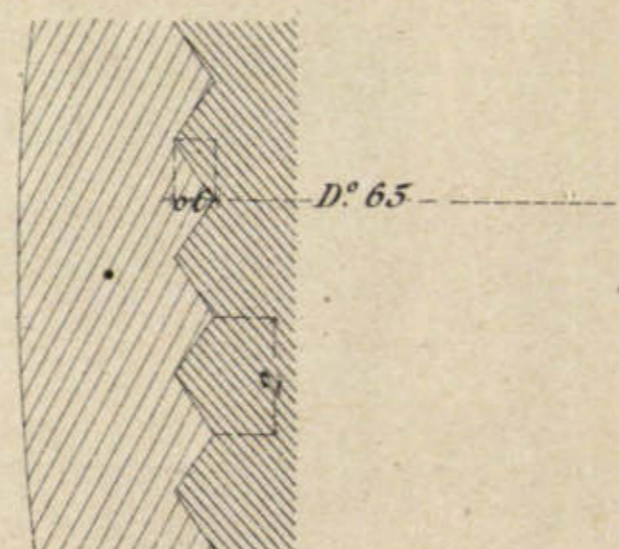
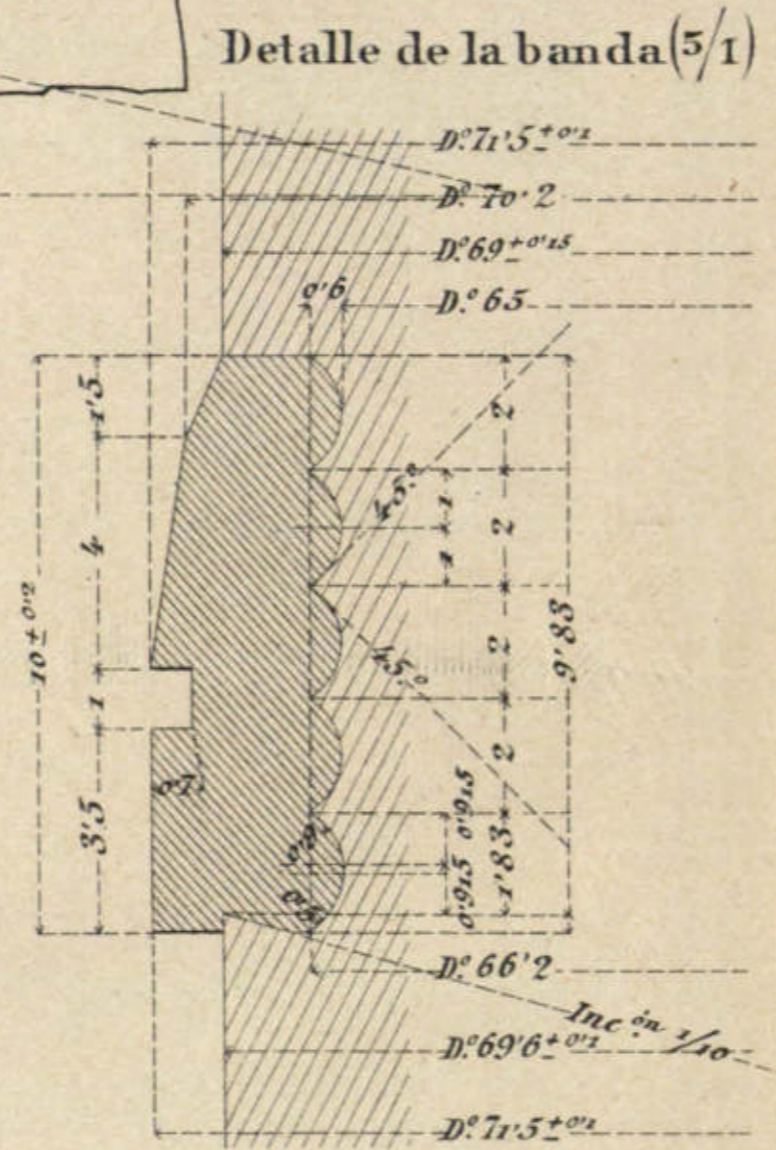
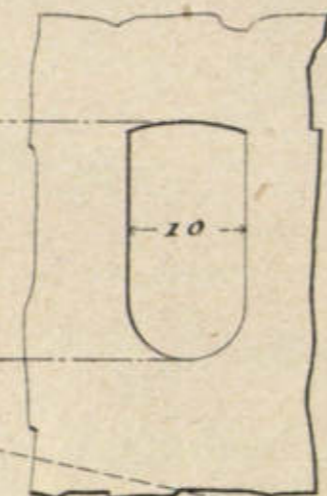
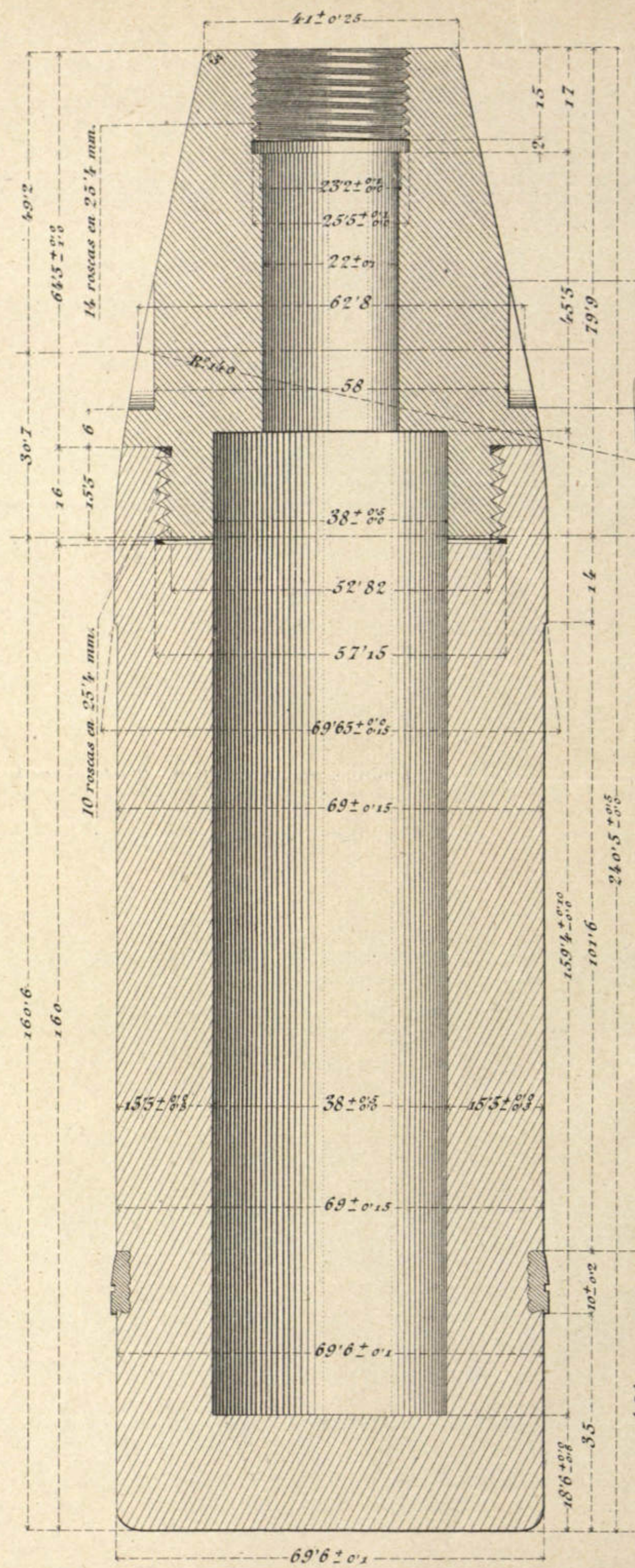
Forma de la cabeza de apriete de la espoleta d. e. mod. 1911.

Cabeza de apriete de la espoleta d. e. mod. 1911.



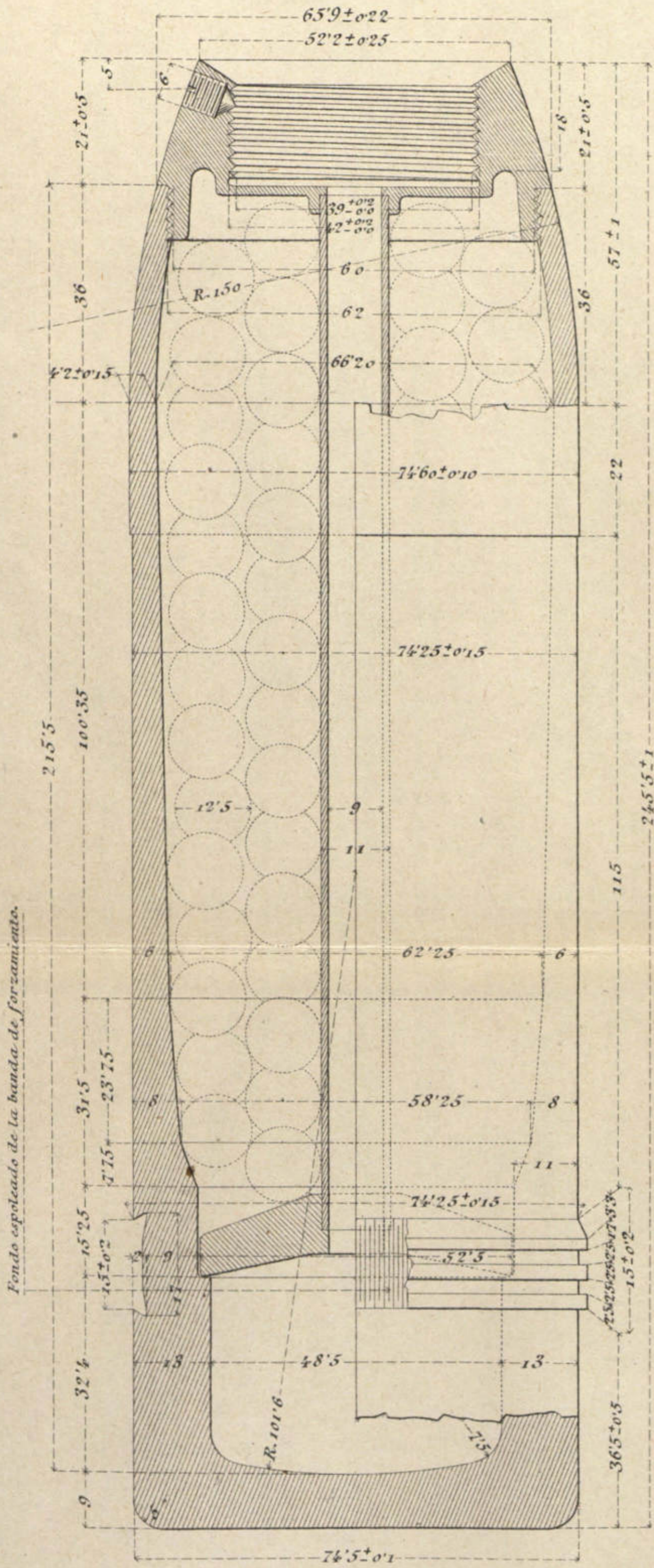
GRANADA ROMPEDORA DE 7 cm. Md. 1917

Escala 1/1

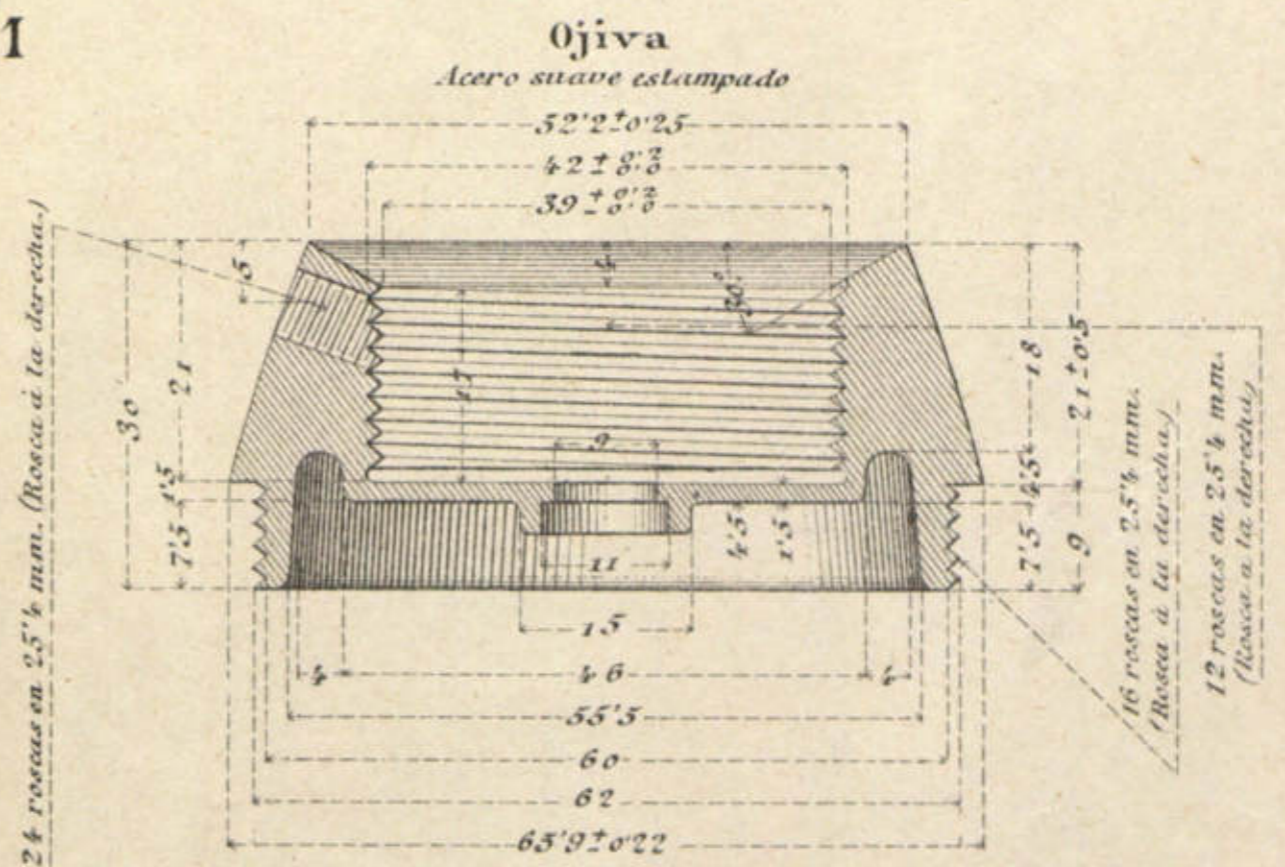


GRANADA DE METRALLA PARA C. T. r. DE 75 mm. Md. 1917

Escala 1/1



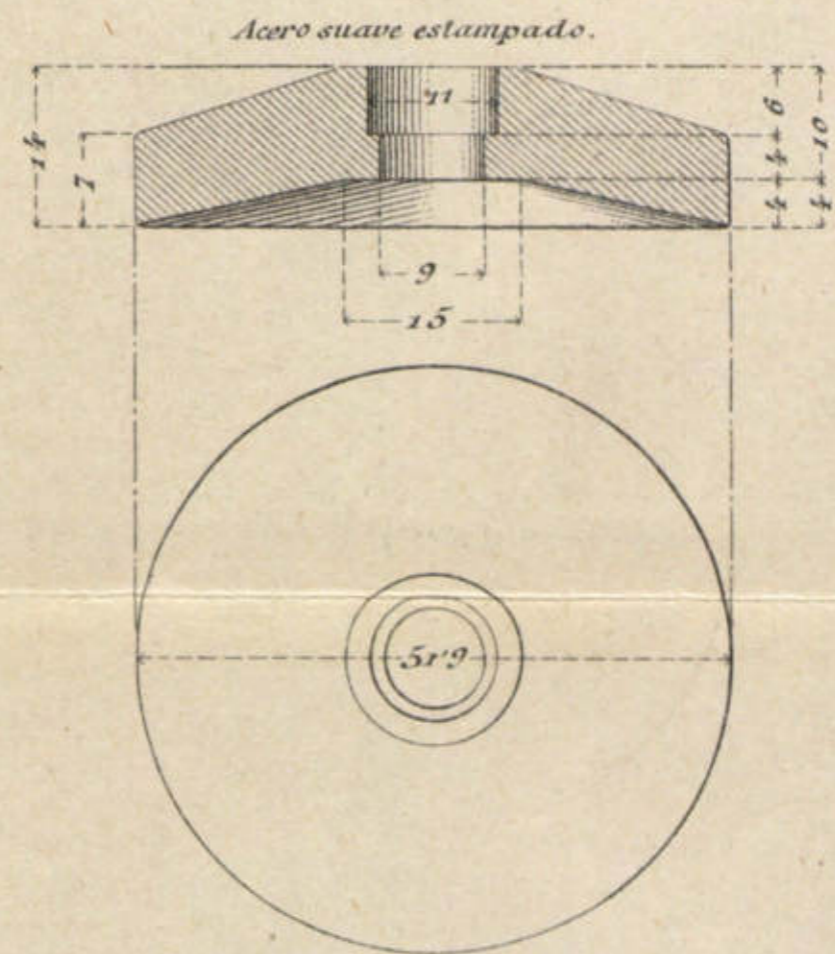
Fondo espolado de la banda de forzamiento.



Tubo de latón

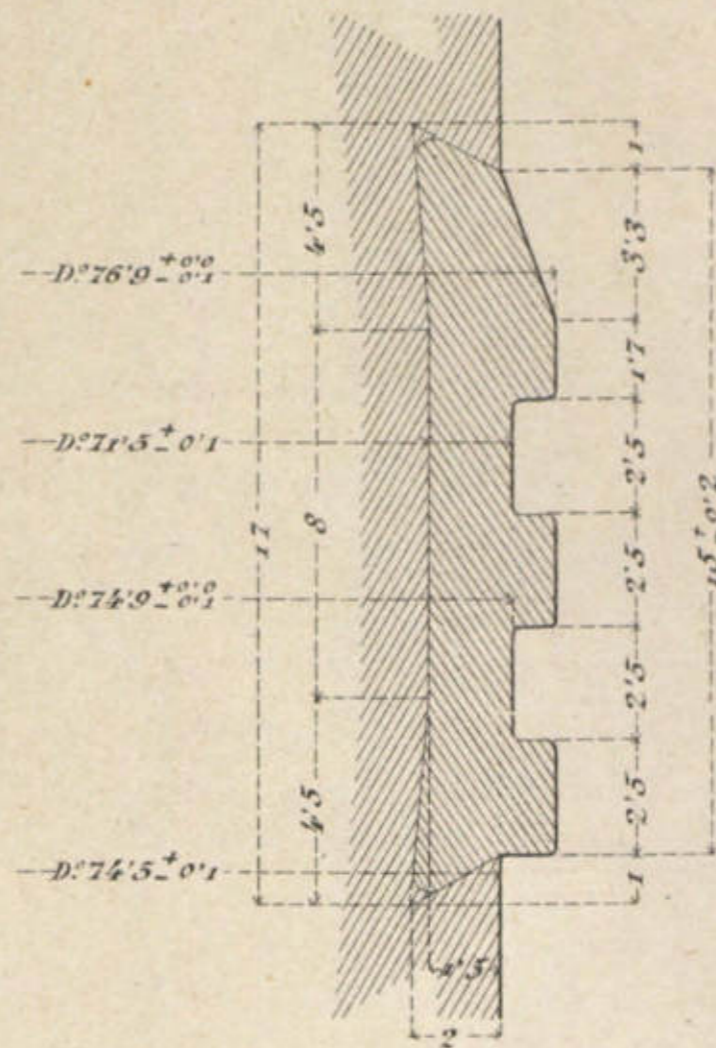


Diafragma

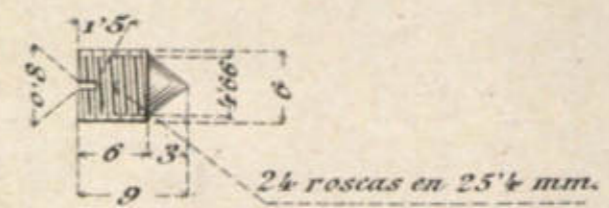


Para colocar en su sitio antes de atornillar la ojiva postiza.

Detalle de la banda de forzamiento. (4/1)



Prisionero de la espoleta.

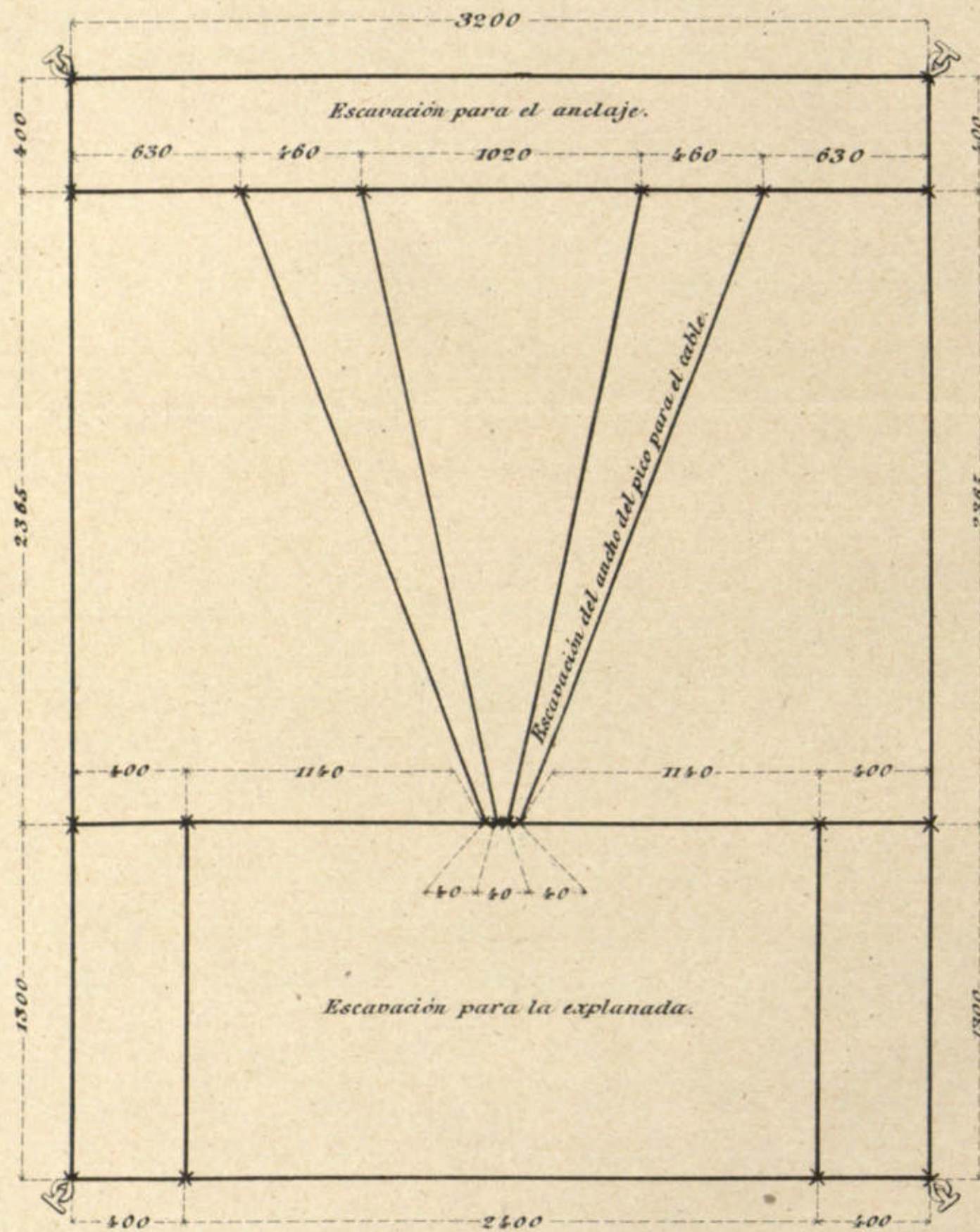


Peso de la granada vacía.....	3'045 Kgs.
id. a la id. llena.....	6'000 "
id. de la carga explosiva.....	0'075 "
id. de la espoleta de doble efecto.....	0'460 "
id. de la granada cargada y con espoleta.....	6'535 ±0'055
id. de un balín.....	0'011 "
Número de balines de plomo al 10 % de antimonio.....	230
Los balines estan sujetos con colofonia.	

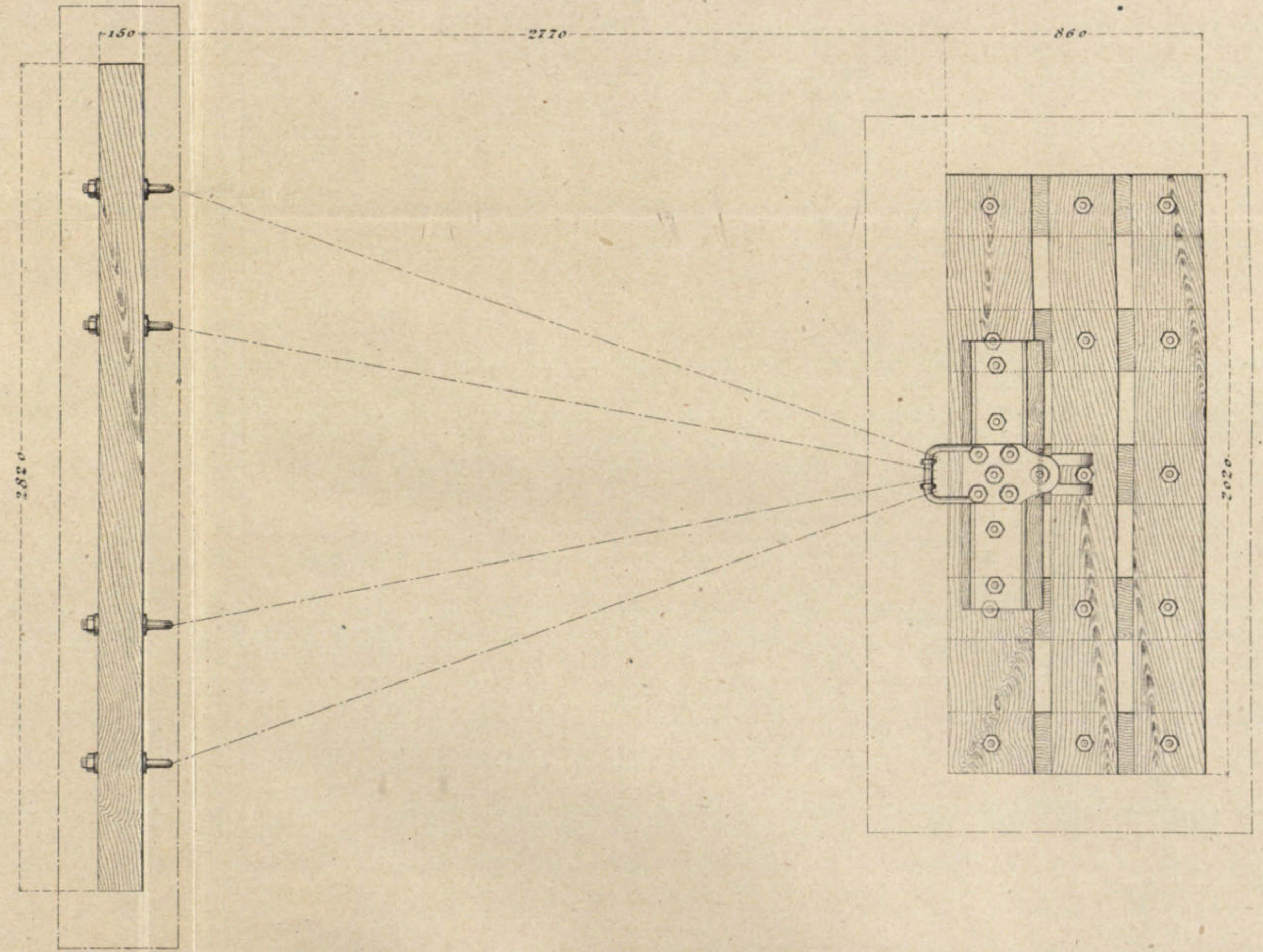
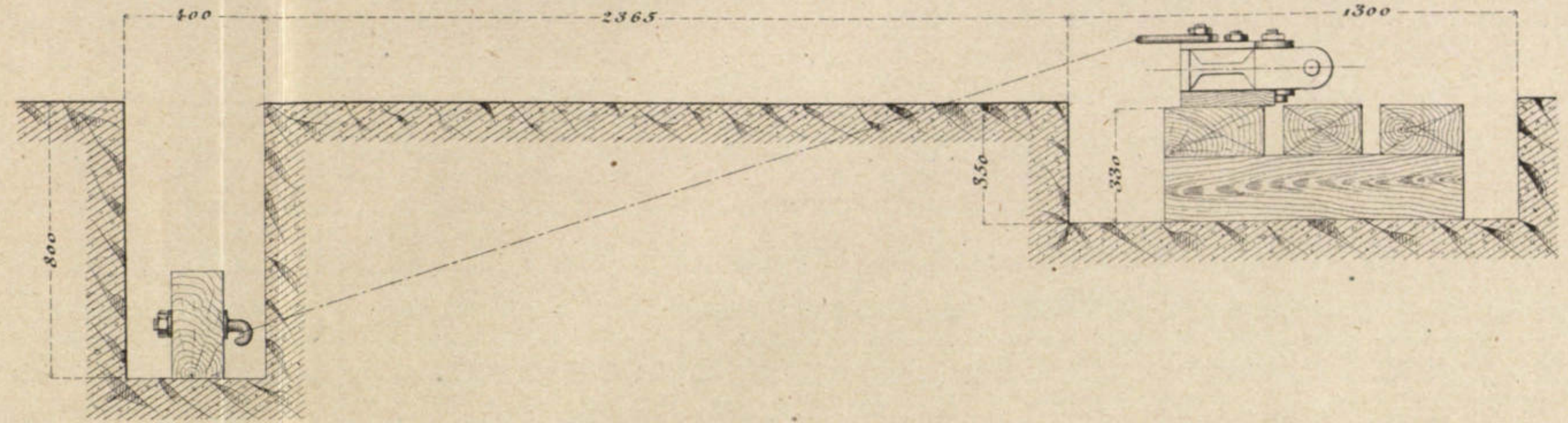
ANCLAJE Y APOYOS PARA CAÑONES Y OBUSES DE ARTILLERÍA PESADA Y DE POSICIÓN.

Plantilla para trazar las excavaciones para el anclaje. (1/50)

x Lazos de cinta de color.



Posición en que quedan los elementos de anclaje en el terreno. (1/20)



ANCLAJE Y APOYOS PARA CAÑONES Y OBUSES DE ARTILLERÍA PESADA Y DE POSICIÓN.

VISTAS GENERALES Y DETALLES.

5 cordones de 7 hilos y alma de cáñamo (1/5)

Diametro de cada hilo 1 1/4".

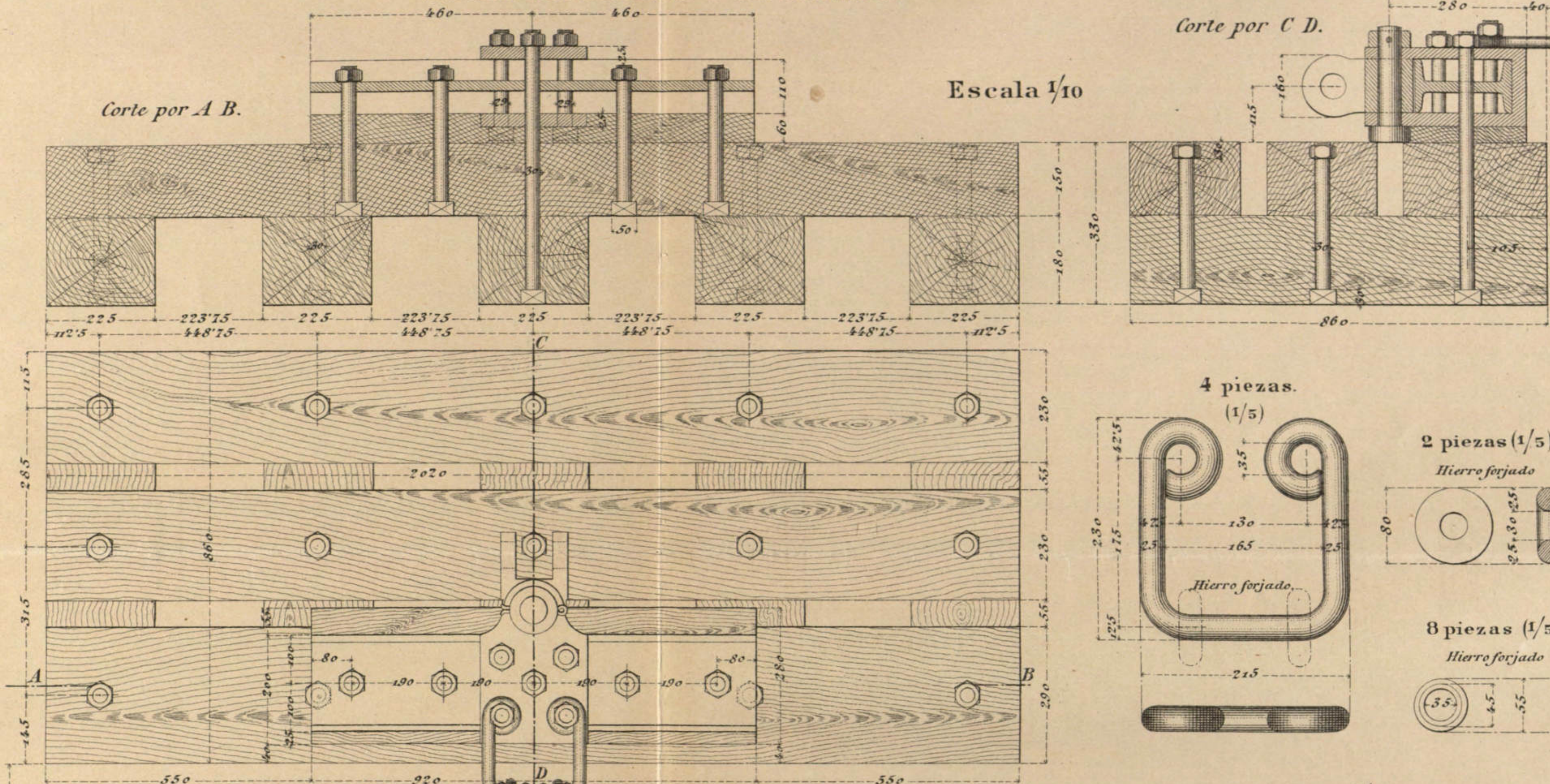
4 piezas. (2 de 2030 y 2 de 2080.)



Corte por A B.

Escala 1/10

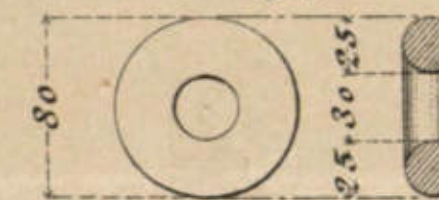
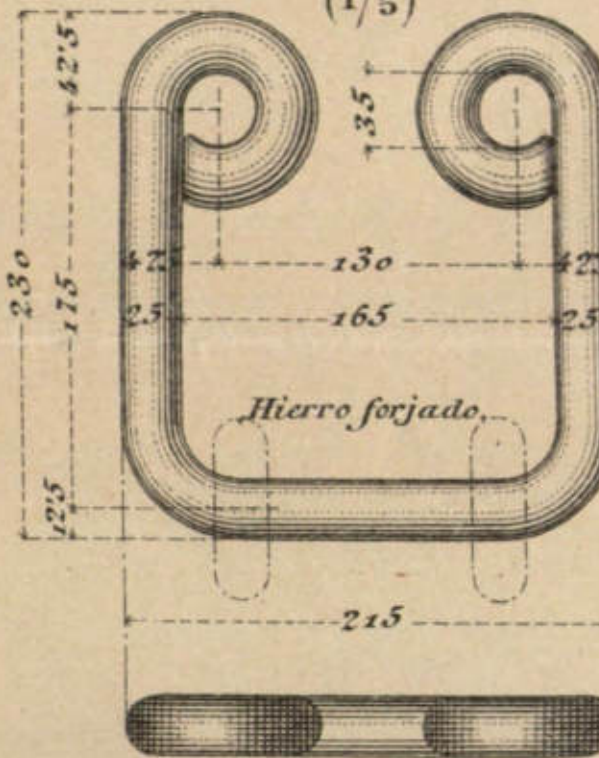
Corte por C D.



4 piezas. (1/5)

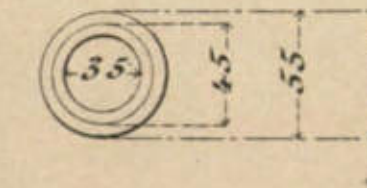
2 piezas (1/5)

Hierro forjado



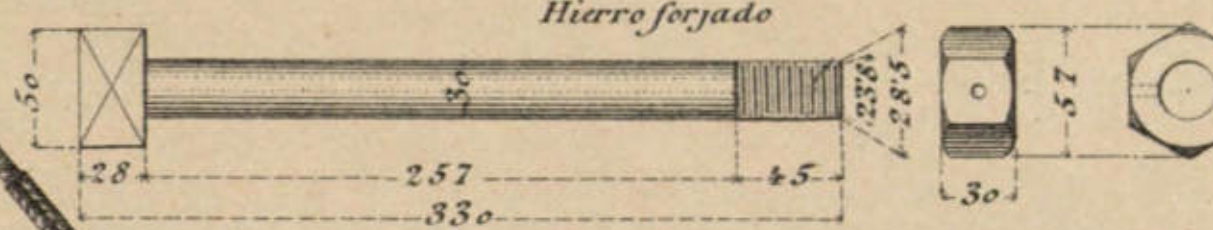
8 piezas (1/5)

Hierro forjado



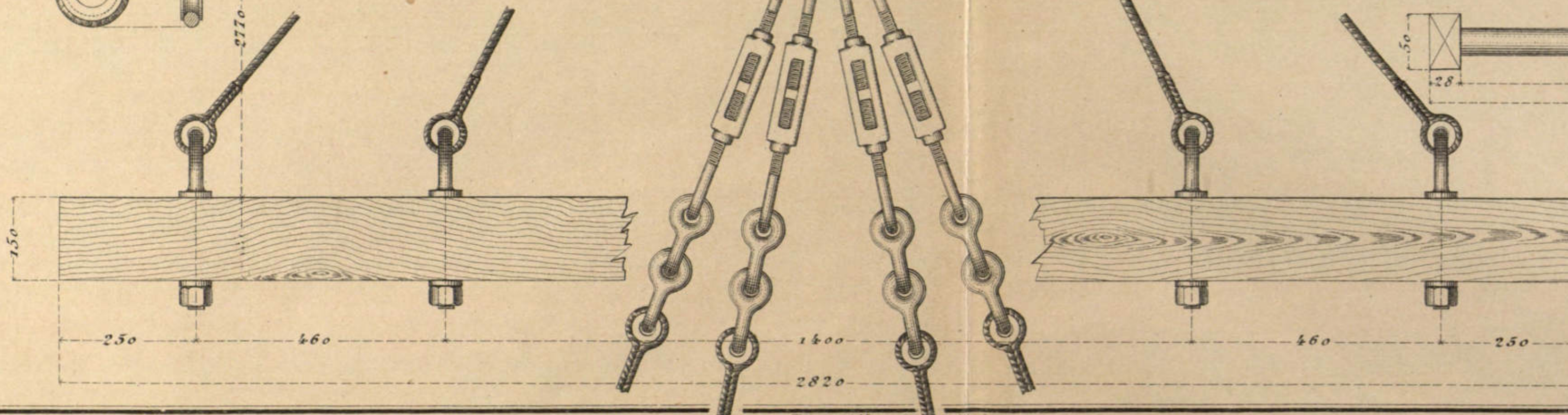
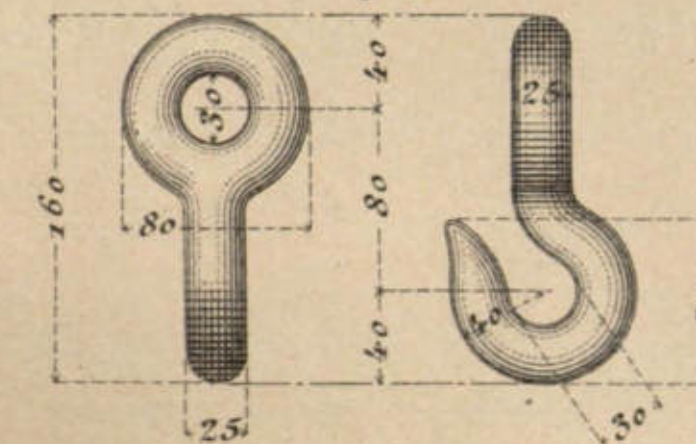
14 piezas (1/5)

Hierro forjado



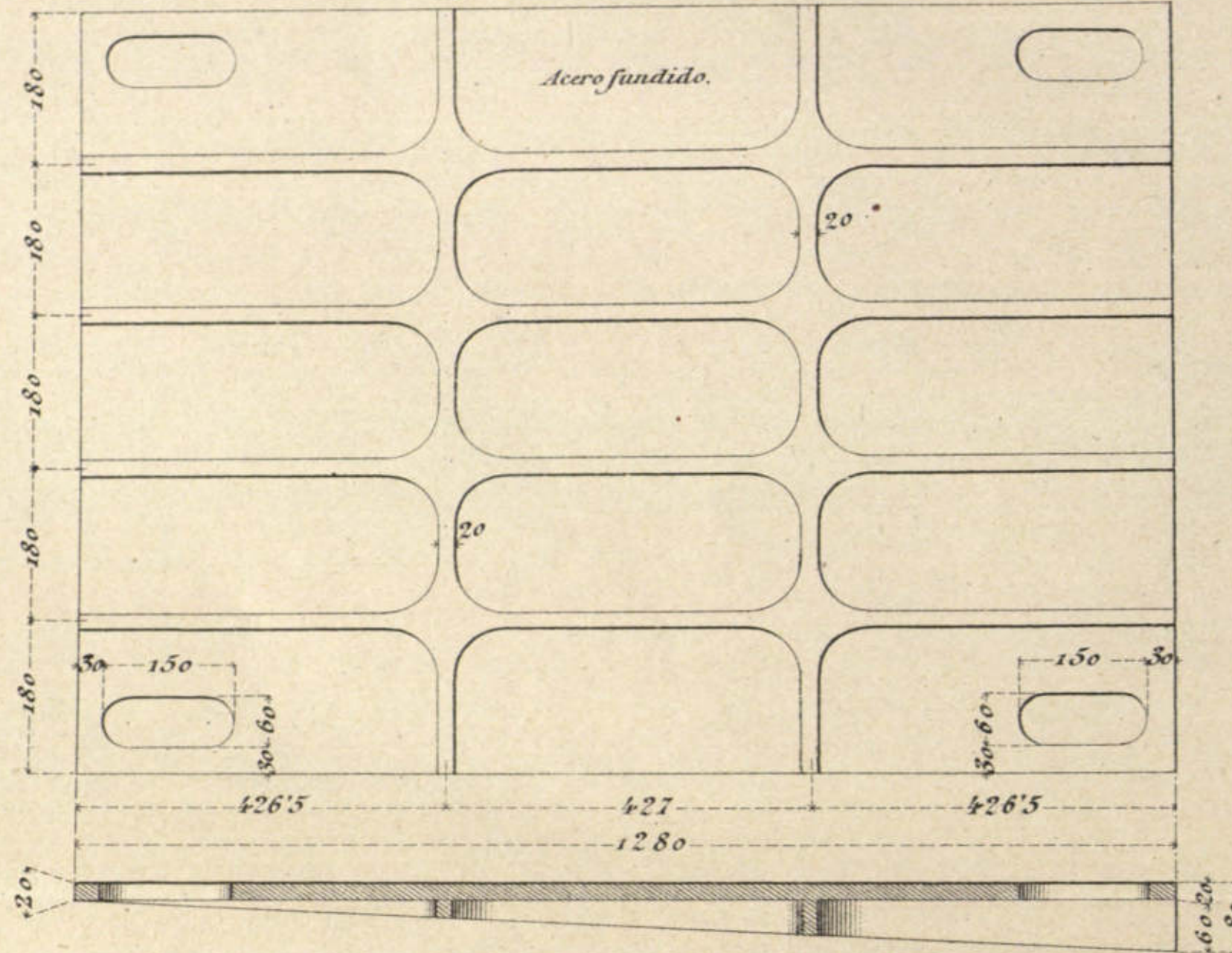
12 piezas (1/5)

Hierro forjado

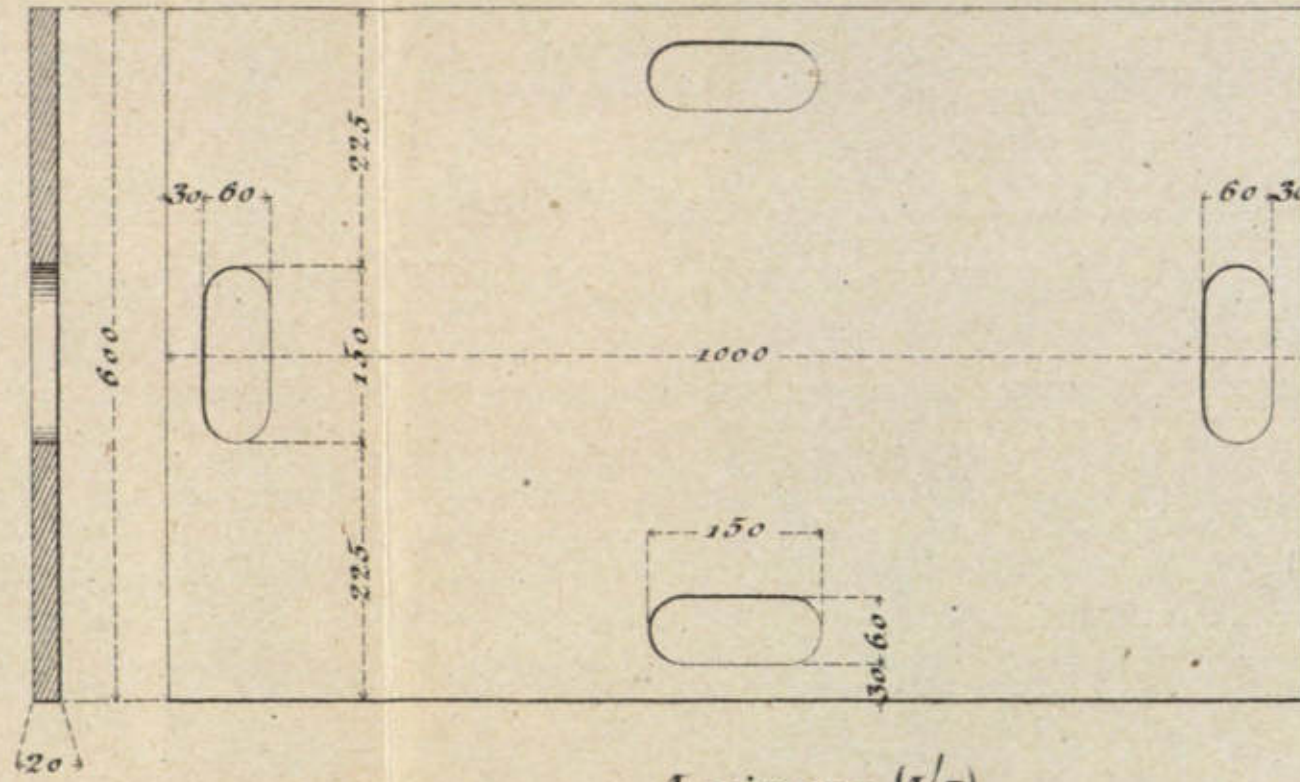


ANCLAJE Y APOYOS PARA CAÑONES Y OBUSES DE ARTILLERÍA PESADA Y DE POSICIÓN.

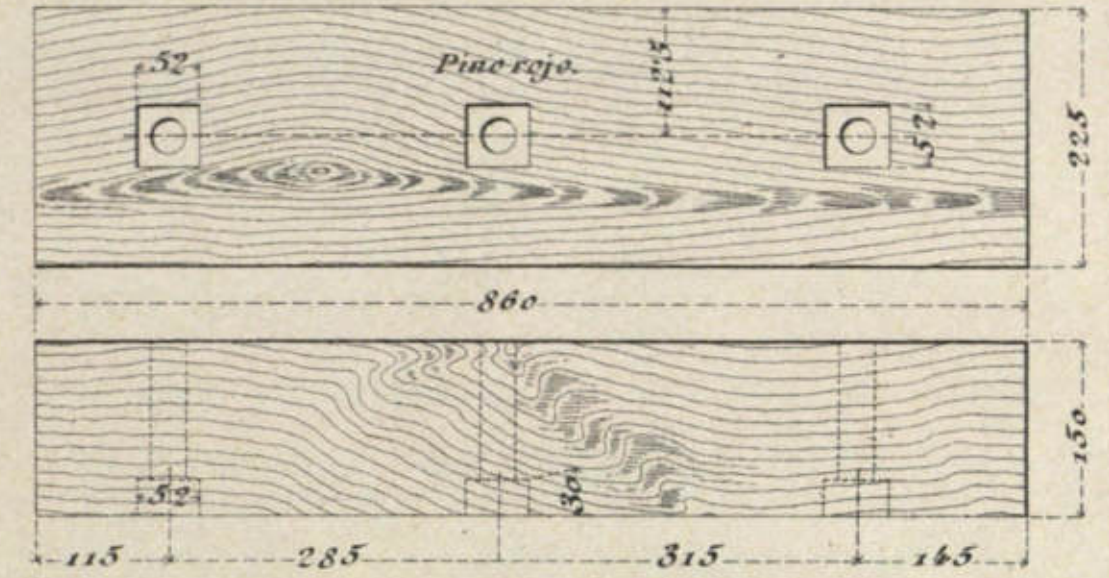
1 placa de contera (1/10)



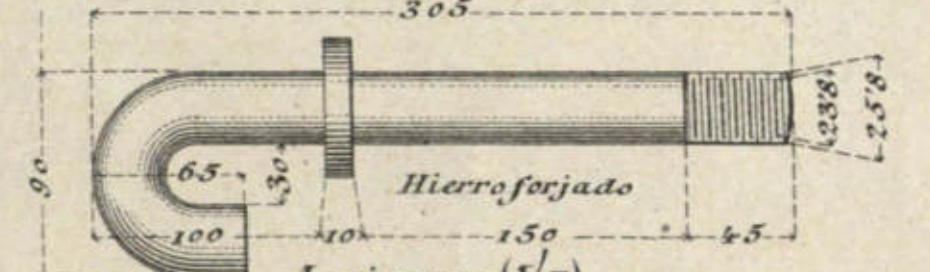
2 placas de ruedas. (1/10)



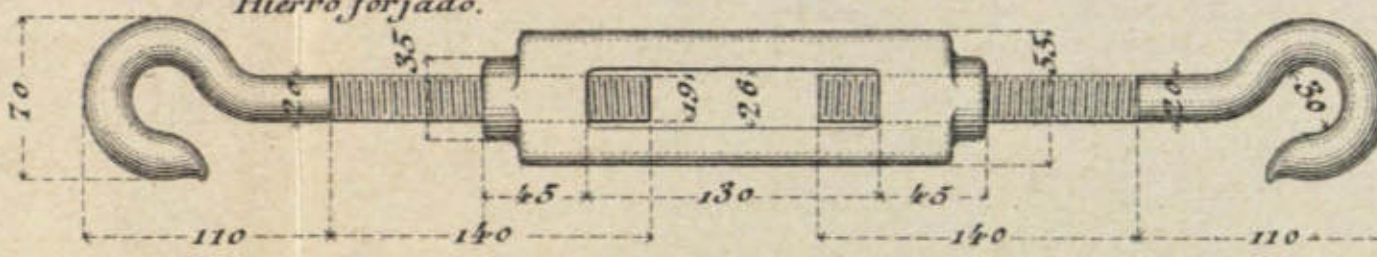
5 piezas (1/10)



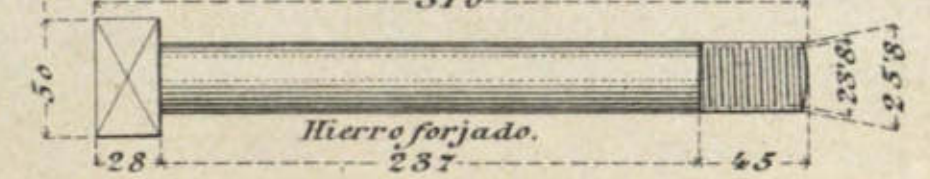
4 piezas (1/5)



4 piezas (1/5)



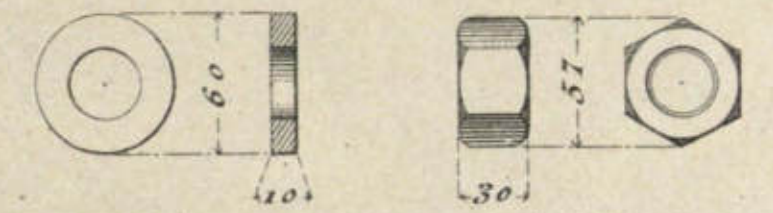
4 piezas (1/5)



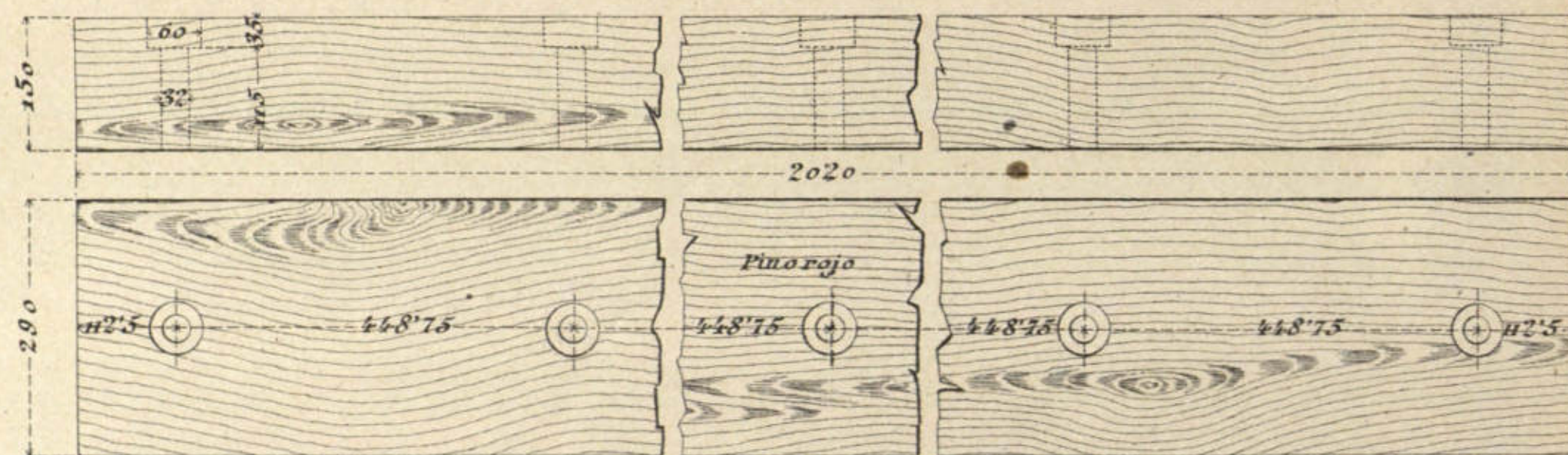
1 pieza (1/5)



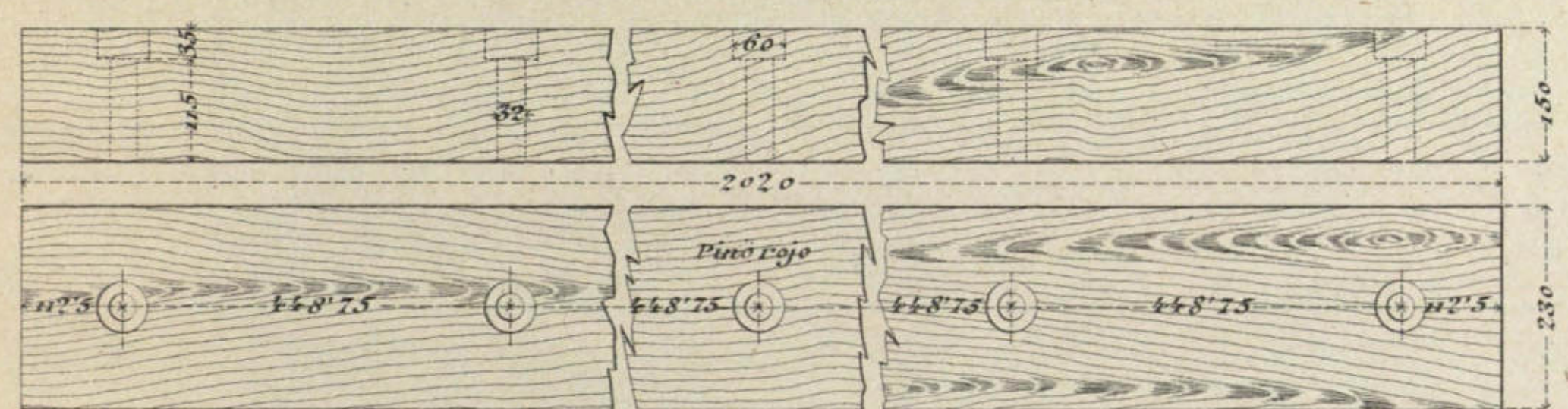
8 piezas (1/5)



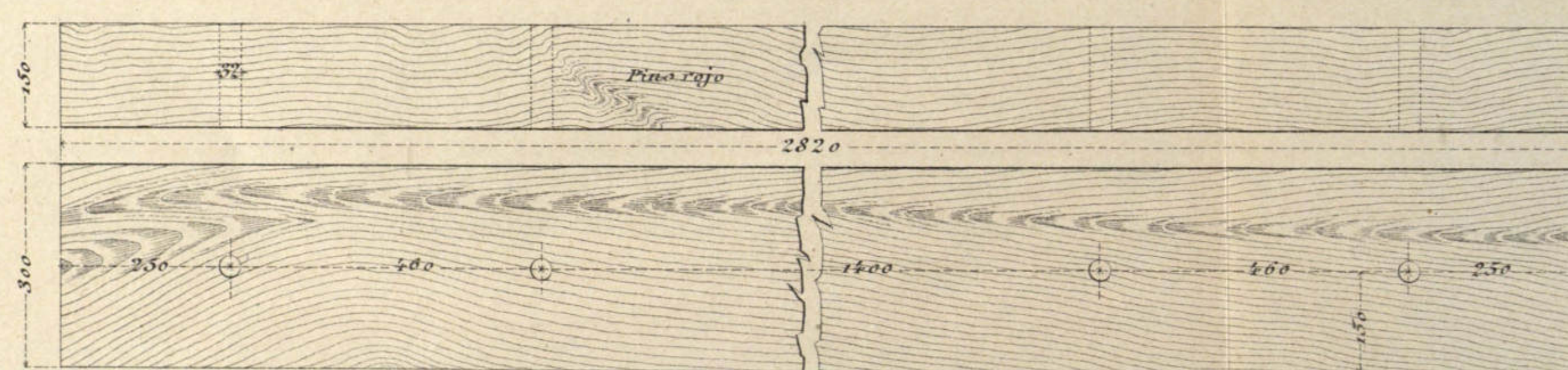
1 pieza (1/10)



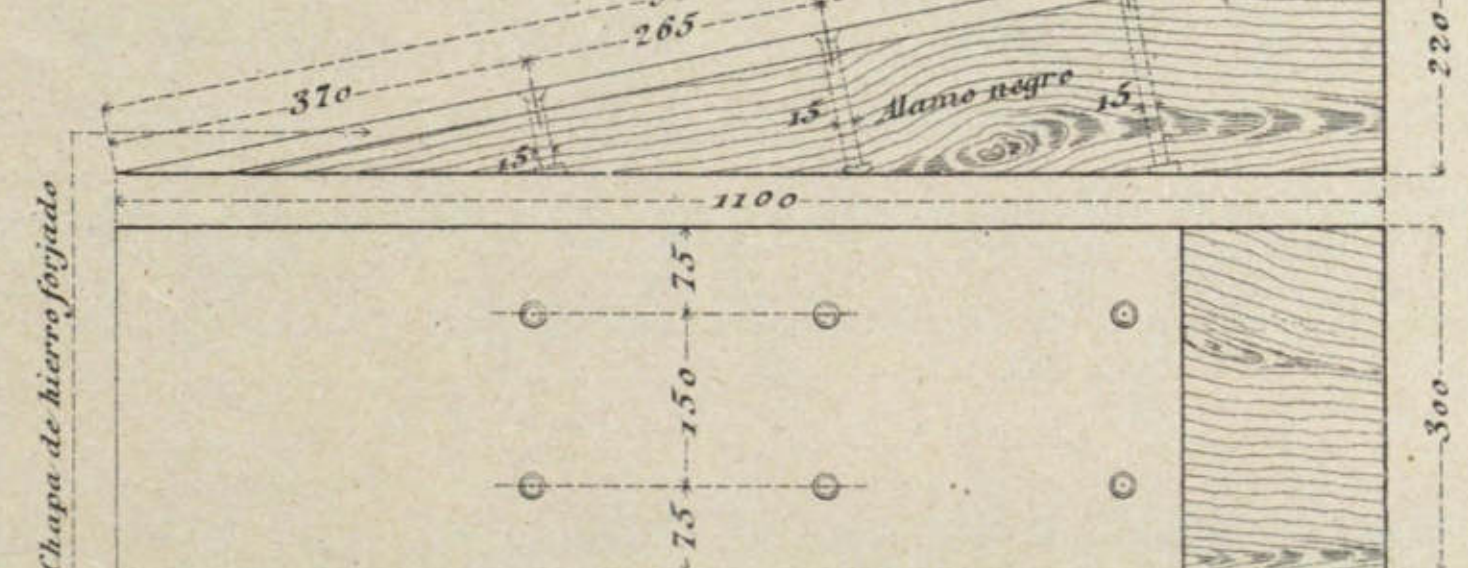
2 piezas (1/10)



1 pieza (1/10)



2 cuñones (1/10)

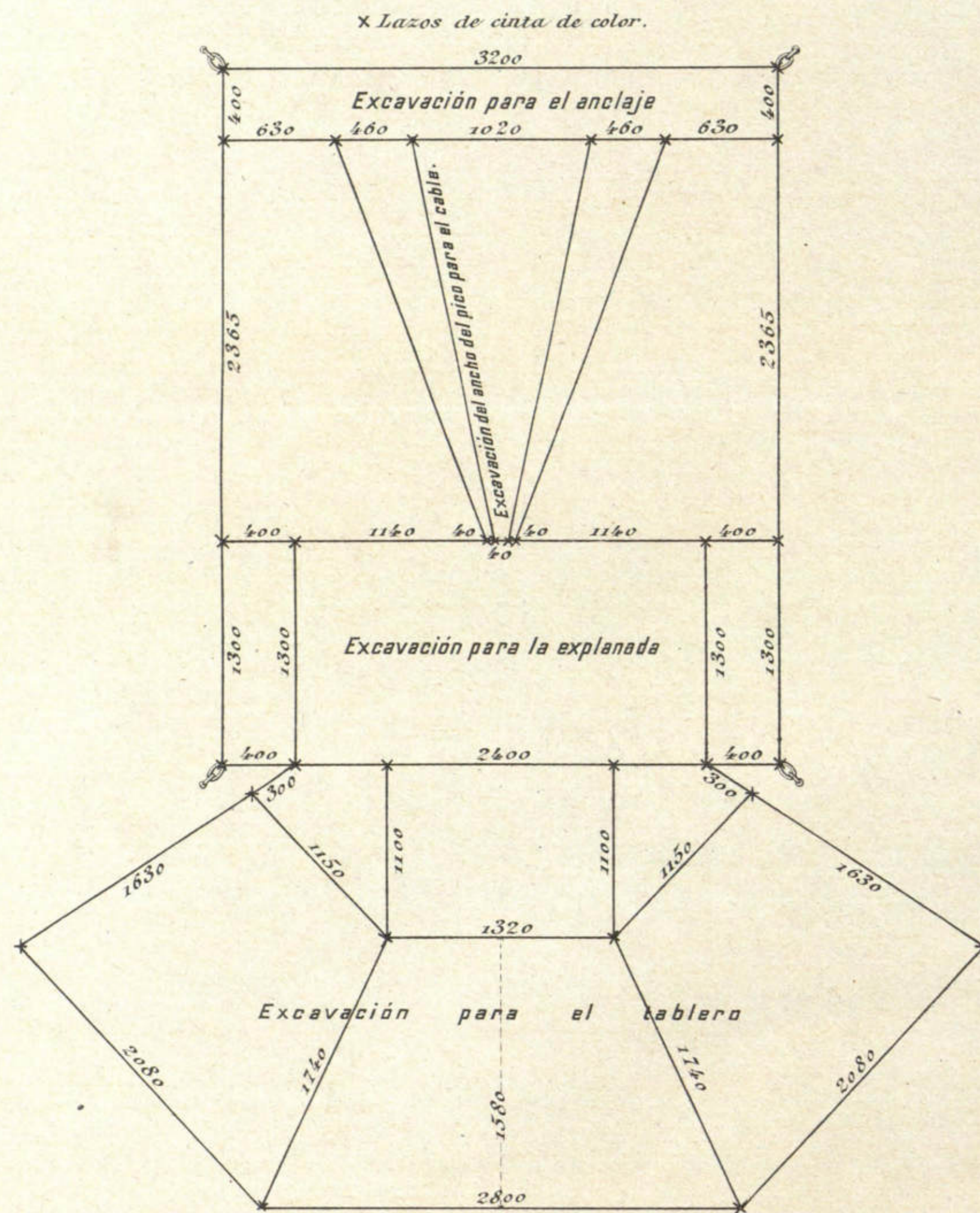


ANCLAJE Y APOYOS Md. 1917 PARA CAÑONES, OBUSES Y MORTEROS DE ARTILLERÍA PESADA Y DE POSICIÓN REFORMADOS EN 1919

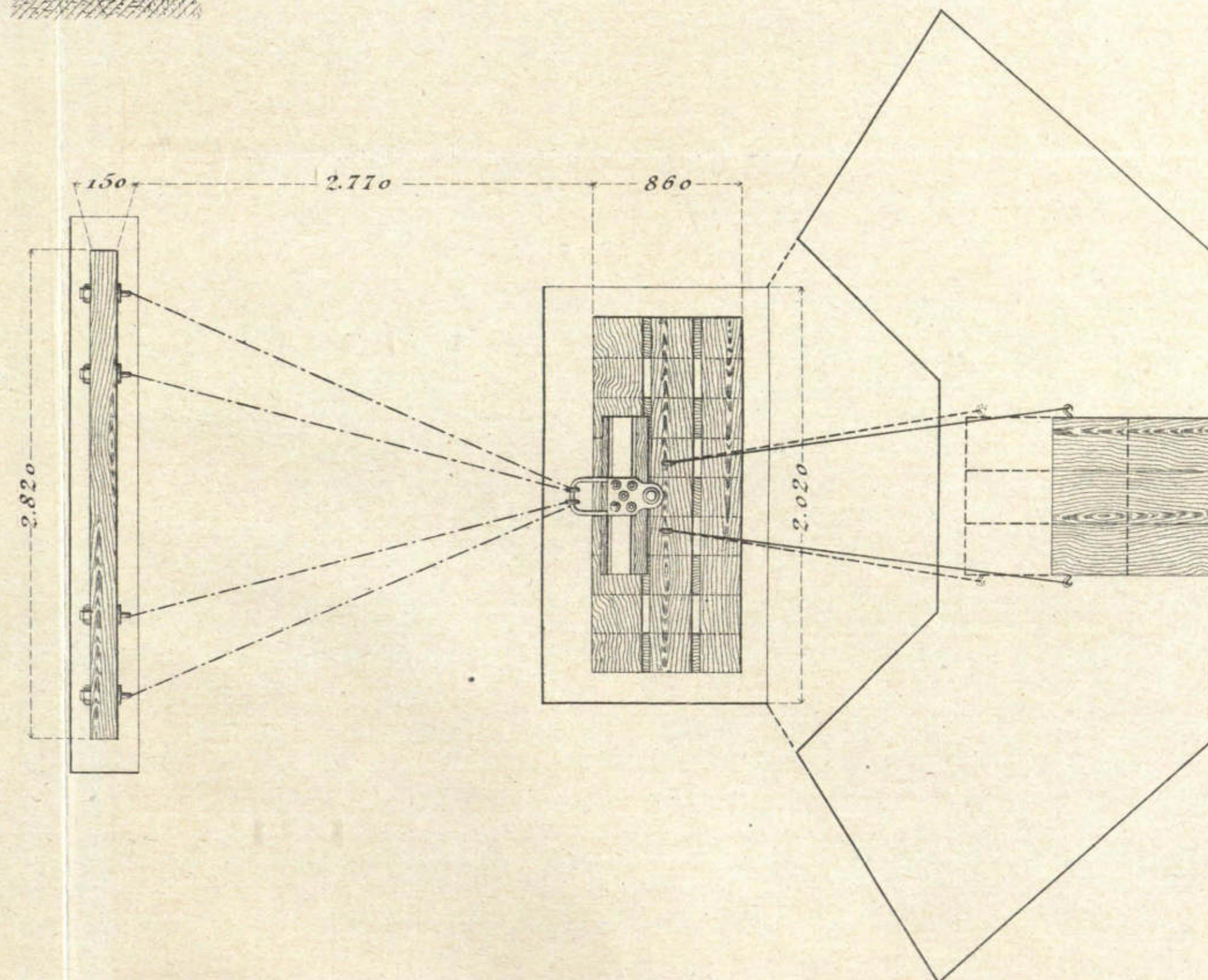
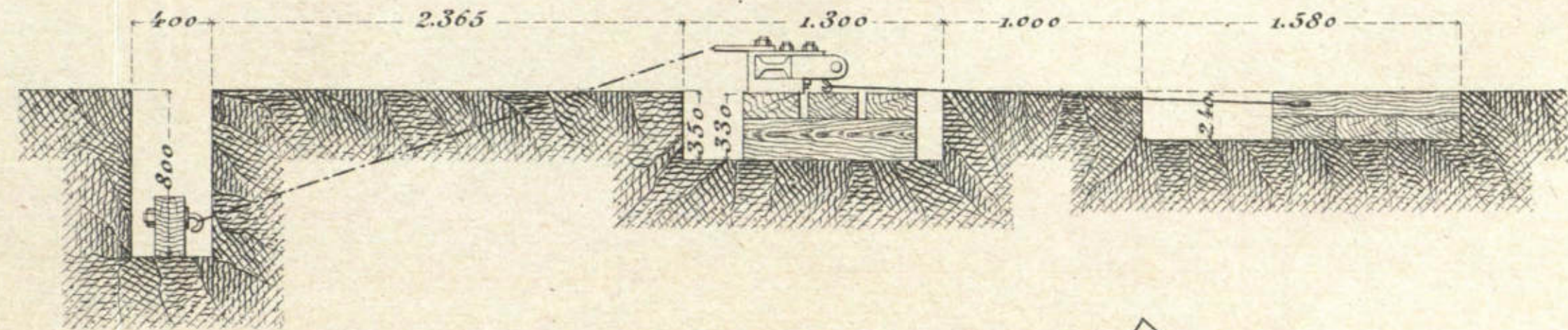
COLOCACIÓN DEL APOYO DE CONTRERA PARA CAÑONES Y OBUSES.

Escala de 25:1000

Plantilla para trazar las excavaciones para el anclaje



Posición en que quedan los elementos de anclaje en el terreno



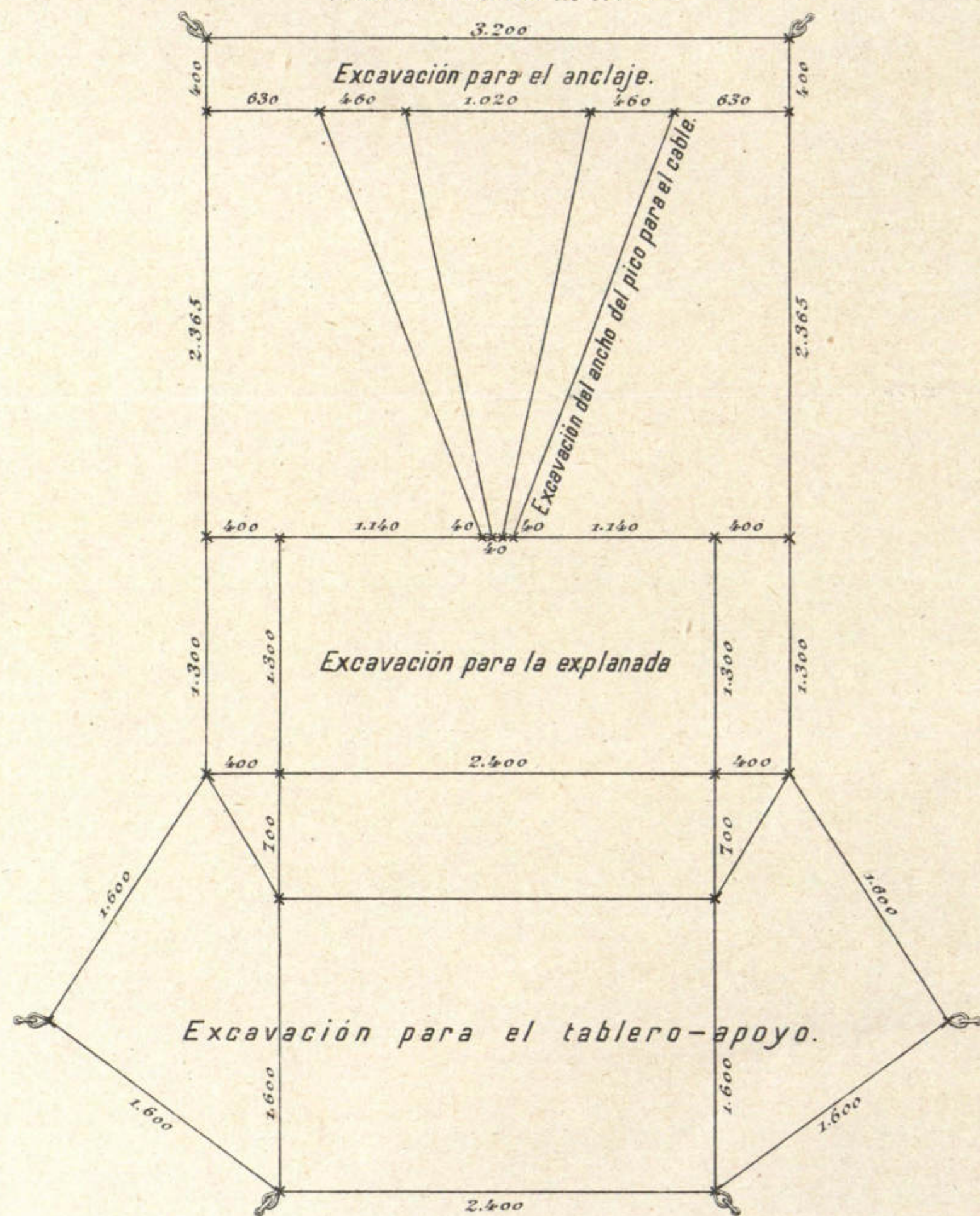
ANCLAJE Y APOYOS Md. 1917 PARA CAÑONES, OBUSES Y MORTEROS DE ARTILLERÍA PESADA Y DE POSICIÓN REFORMADOS EN 1919

COLOCACIÓN DEL APOYO PARA MORTEROS

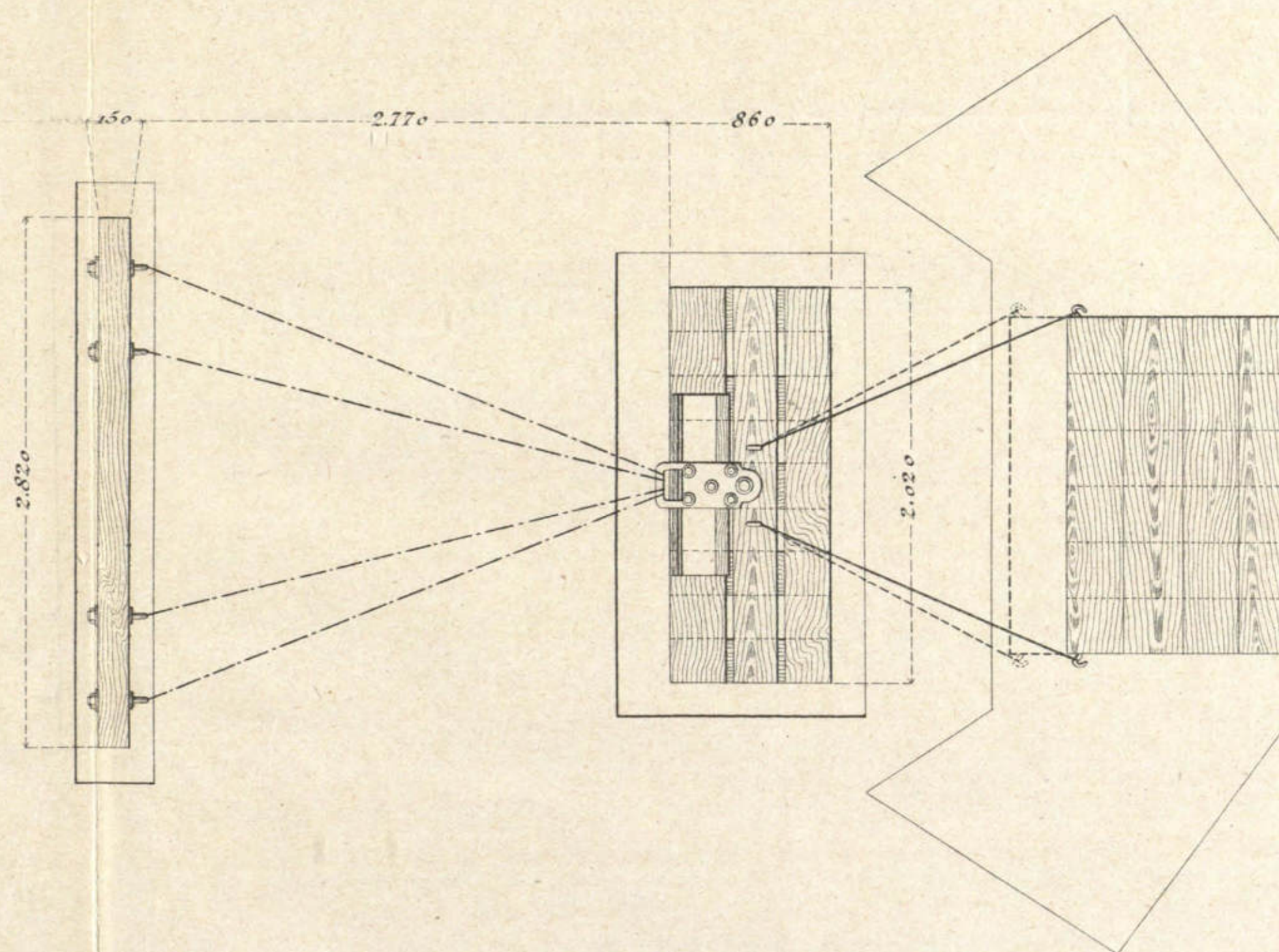
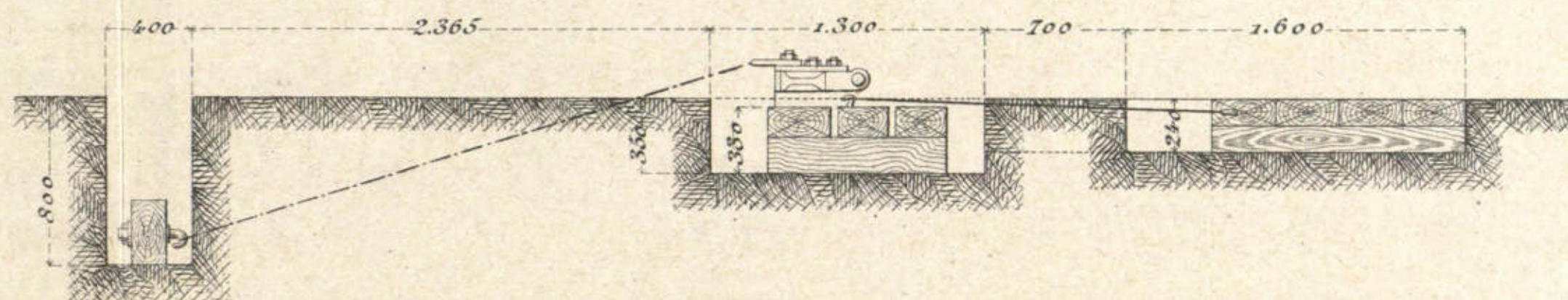
Escala de 25:1.000

Plantilla para trazar las excavaciones para el anclaje

Lazos de cinta de color



Posición en que quedan los elementos de anclaje en el terreno.



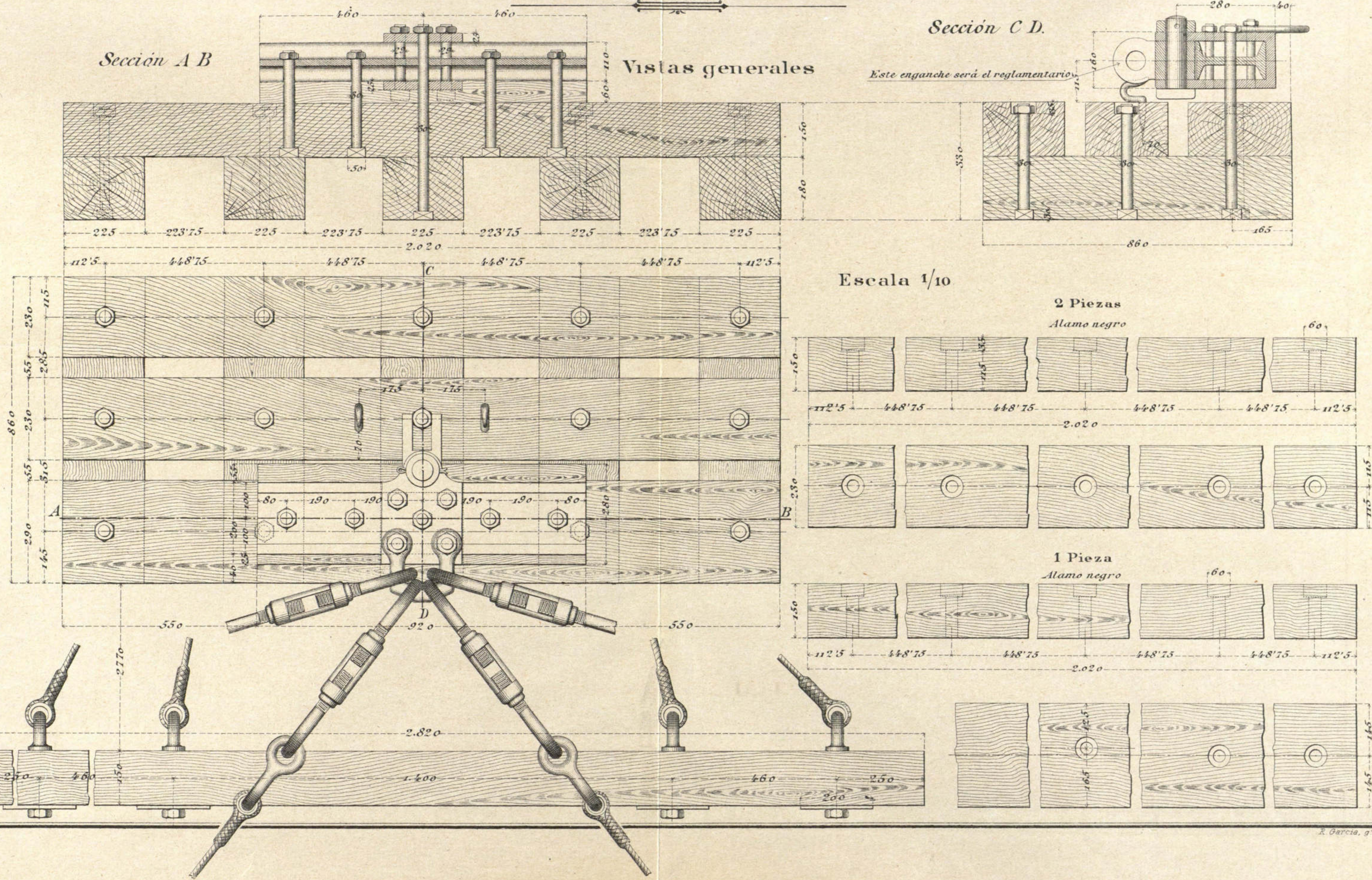
ANCLAJE Y APOYOS Md.1917 PARA CAÑONES, OBUSES Y MORTEROS DE ARTILLERÍA PESADA Y DE POSICIÓN REFORMADOS EN 1919

Sección A B

Vistas generales

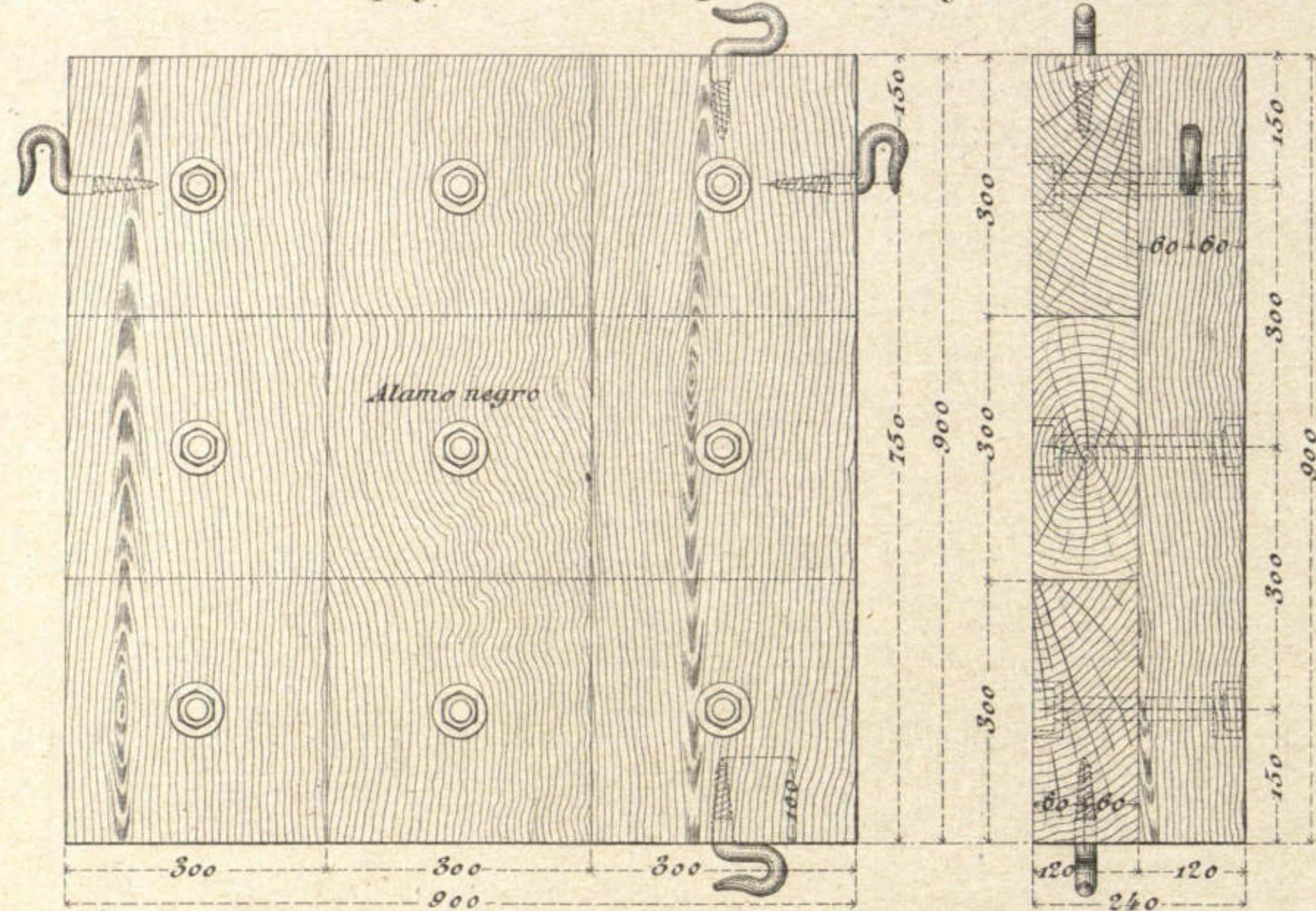
Sección C D.

Este enganche será el reglamentario



ANCLAJE Y APOYOS Md. 1917 PARA CAÑONES, OBUSES Y MORTEROS DE ARTILLERÍA PESADA Y DE POSICIÓN REFORMADOS EN 1919

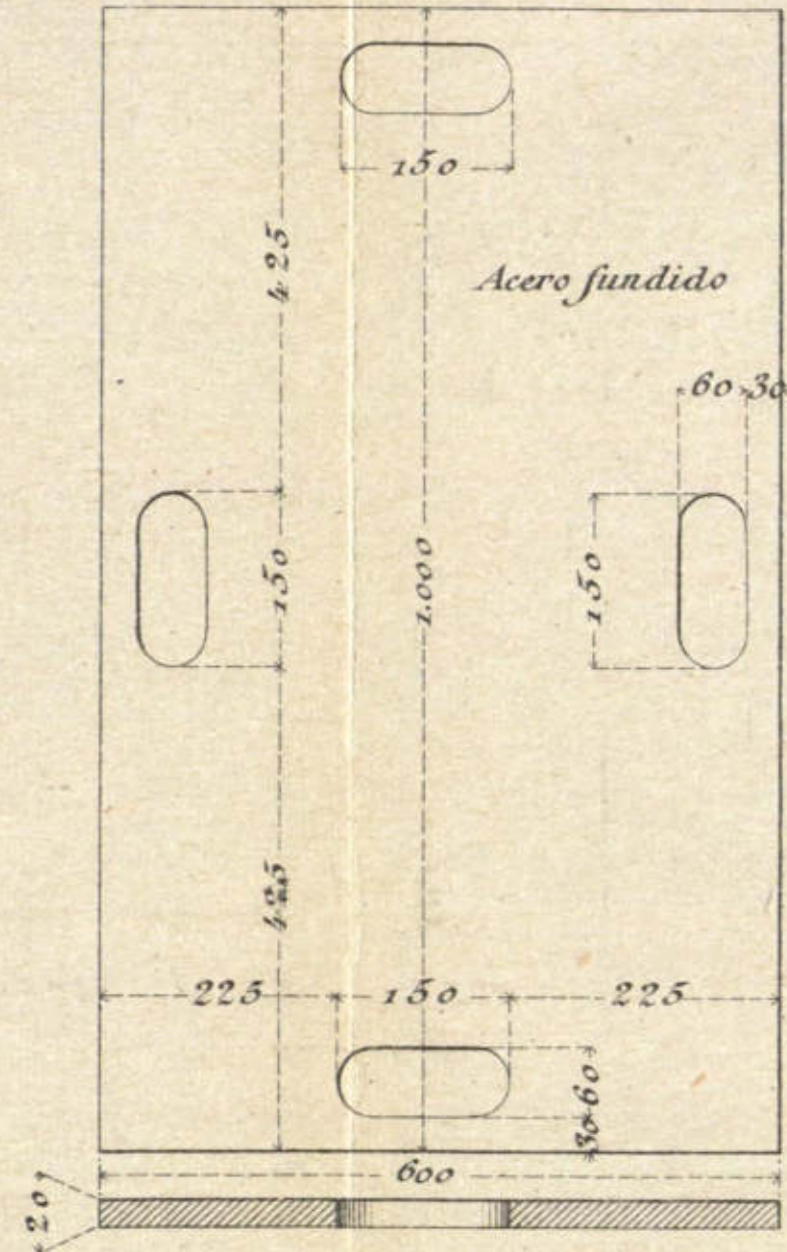
Tablero-apoyo de contera para cañones y obuses



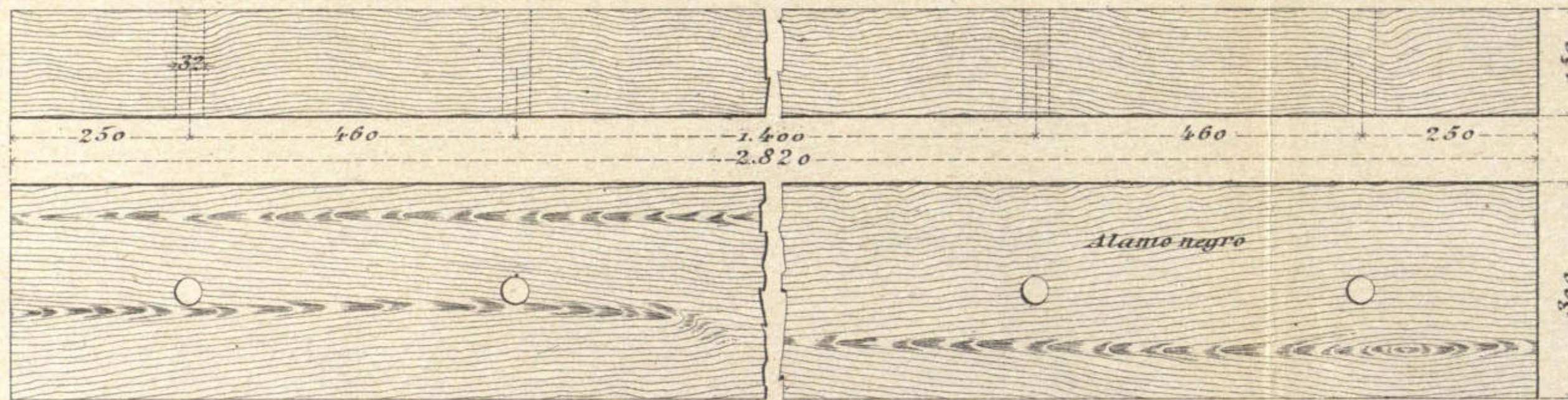
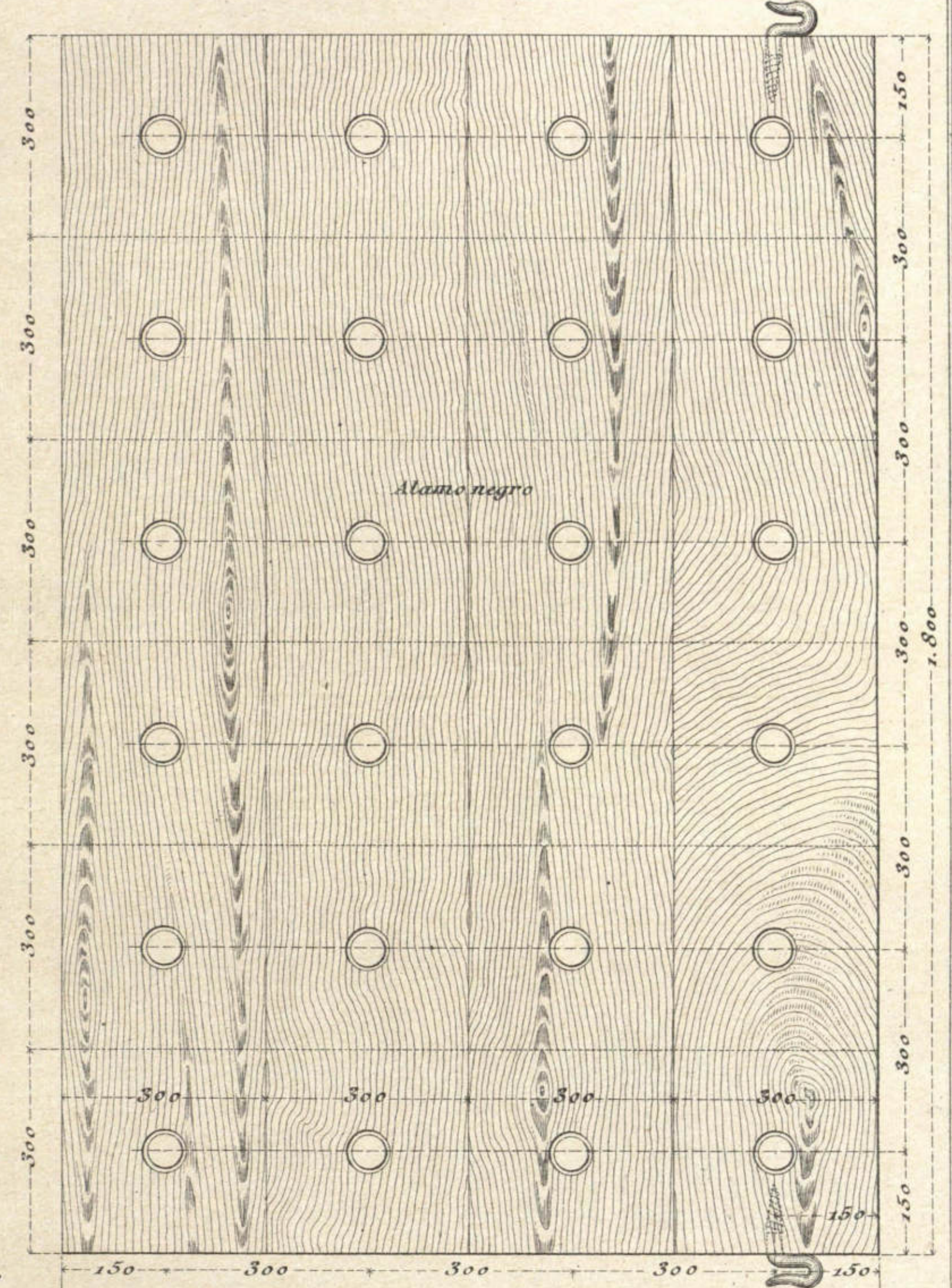
Escala 1/10

1 Pieza

2 Placas de ruedas

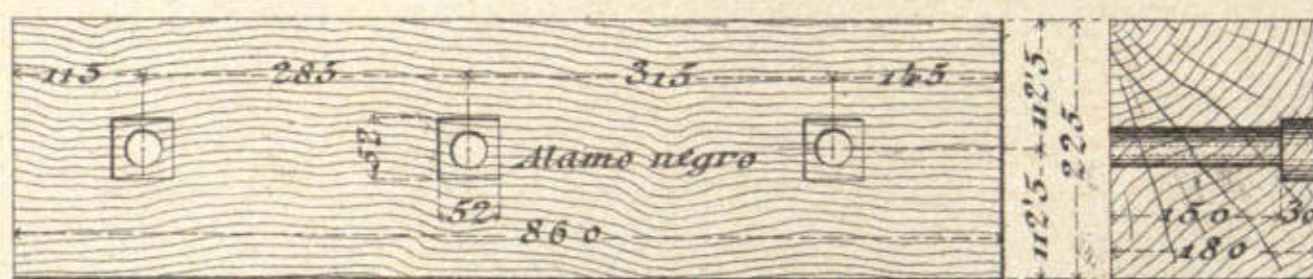


Tablero-apoyo de contera para morteros

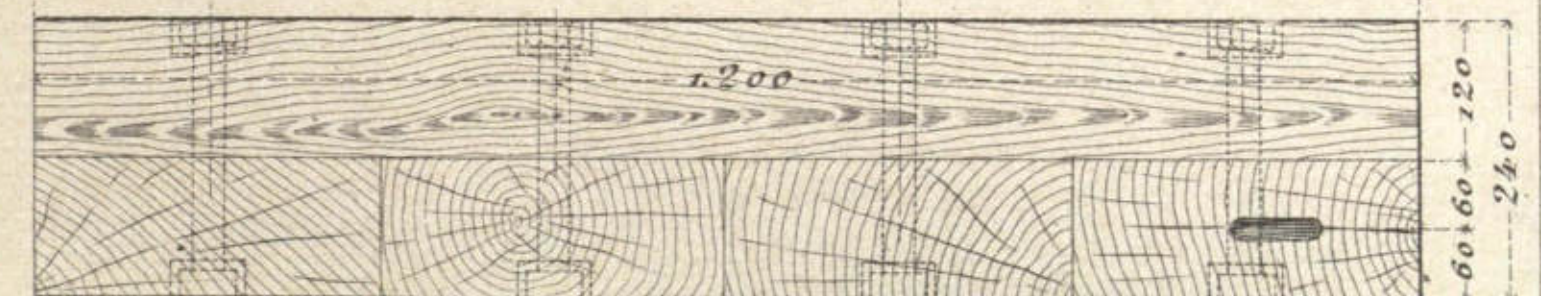
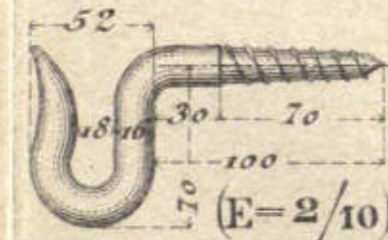


5 Piezas

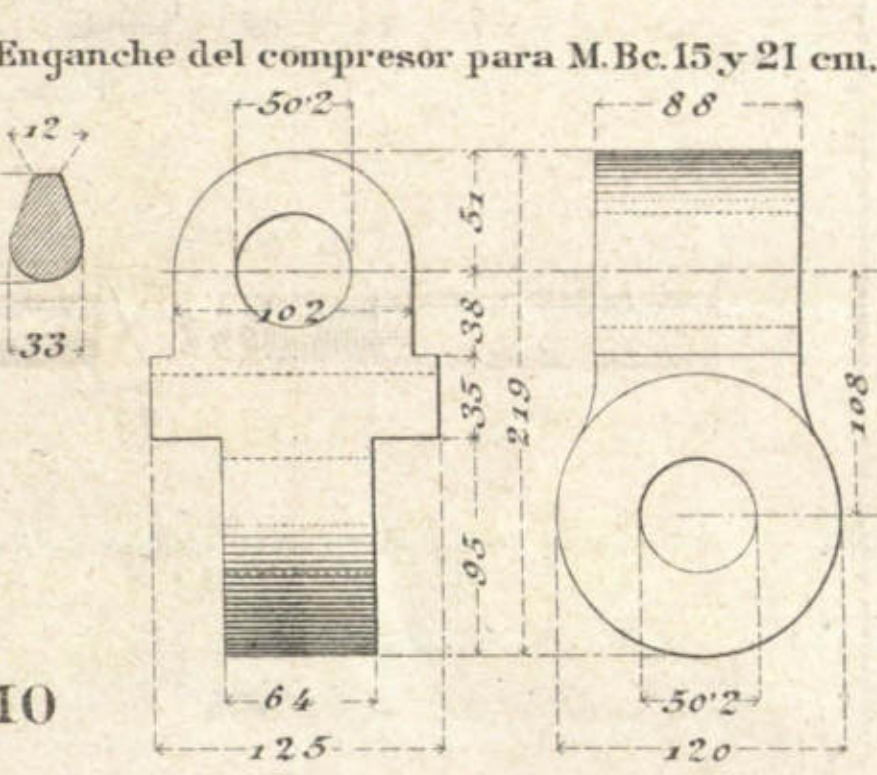
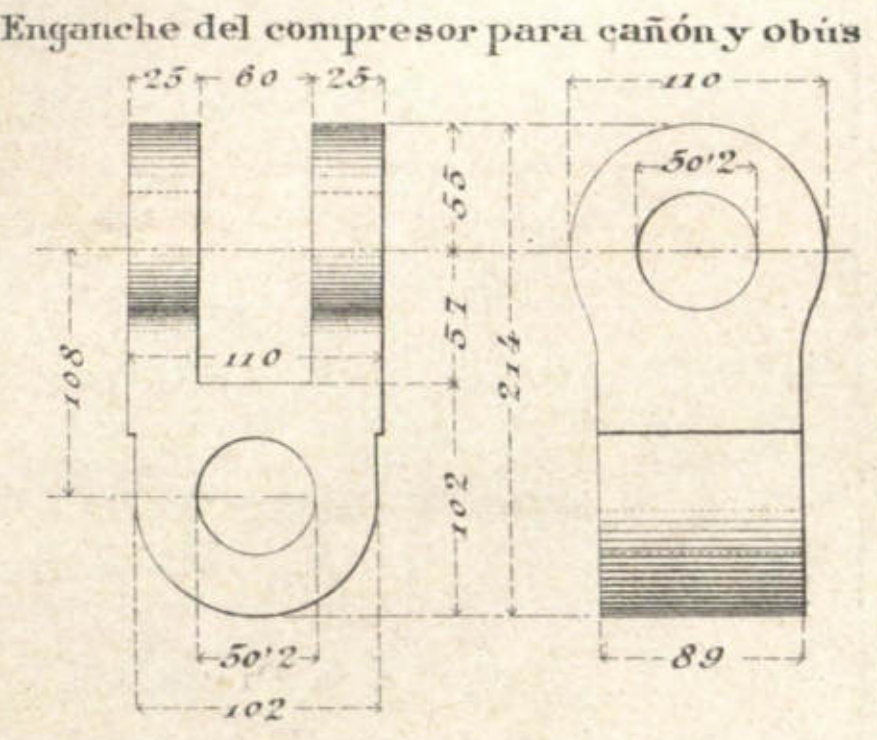
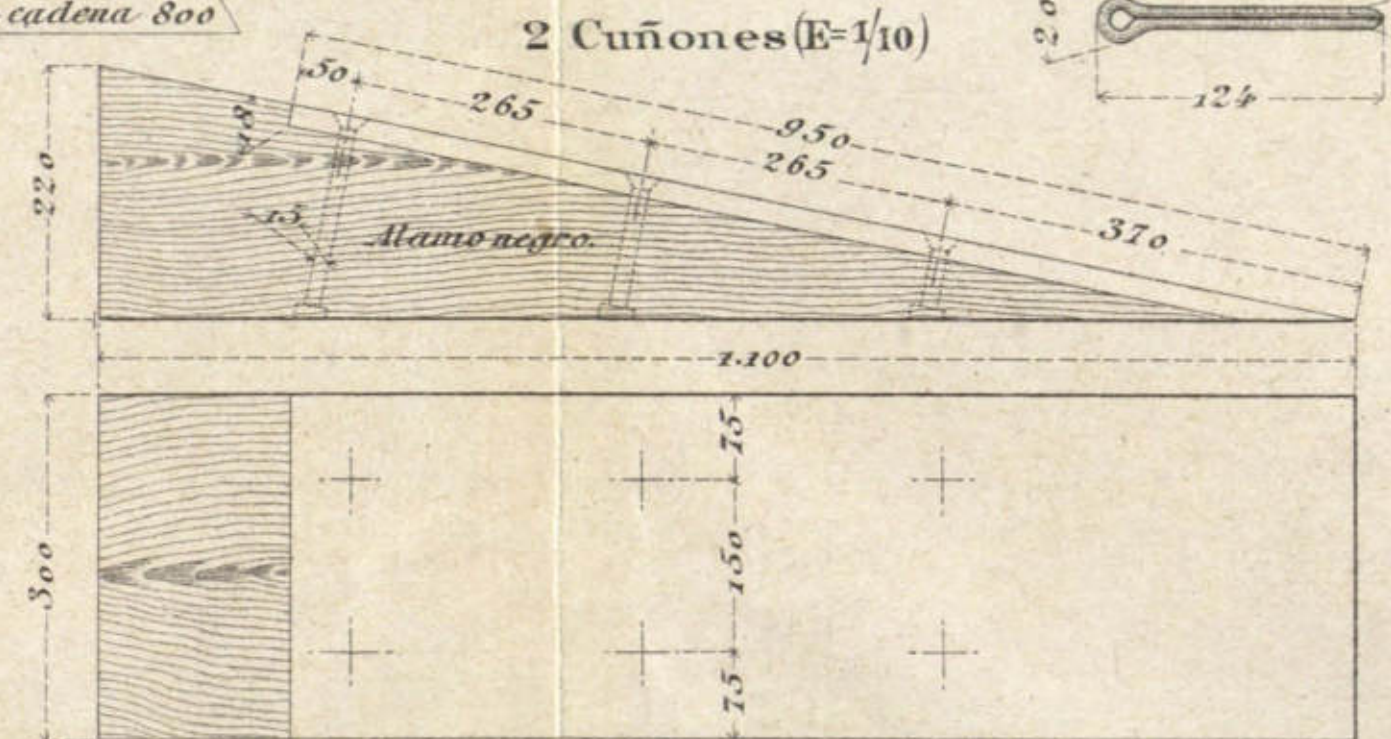
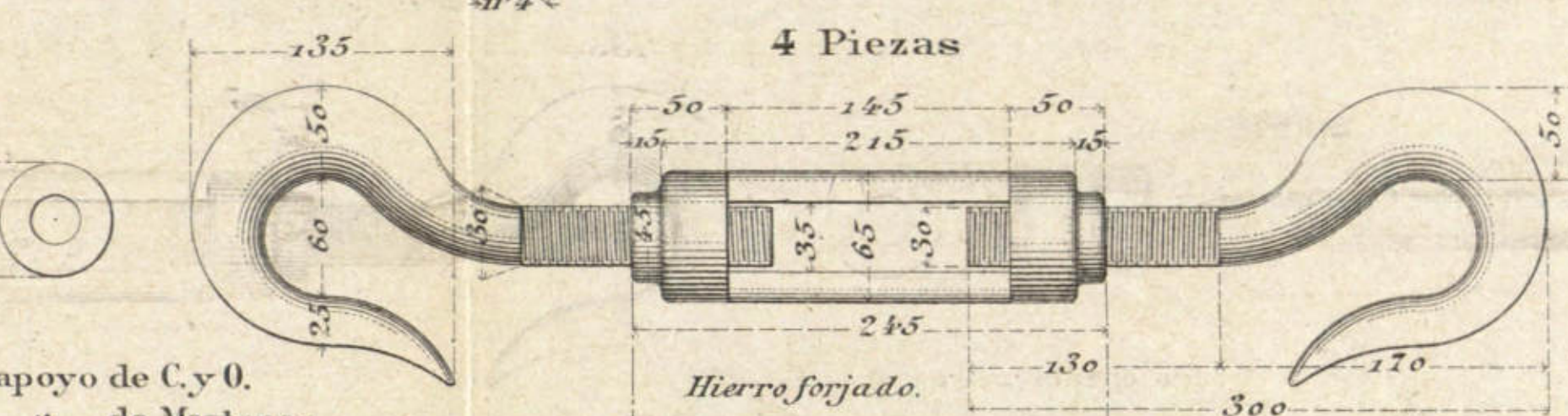
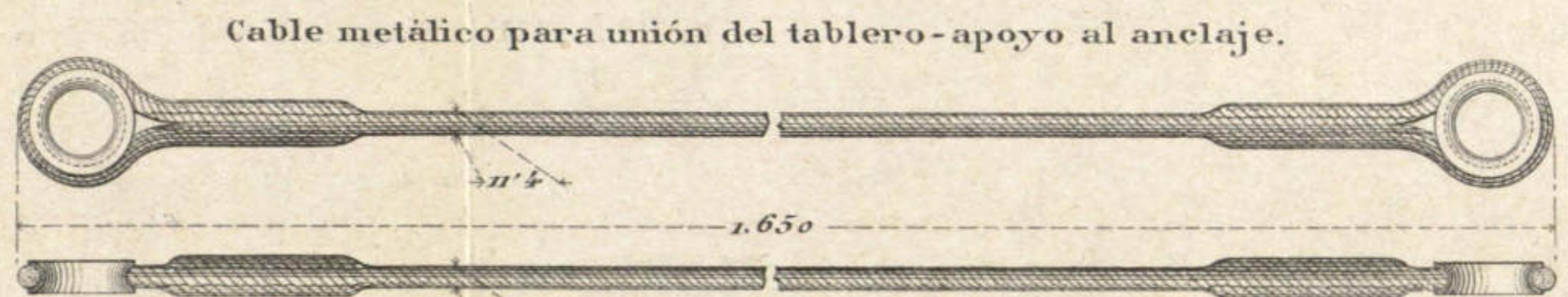
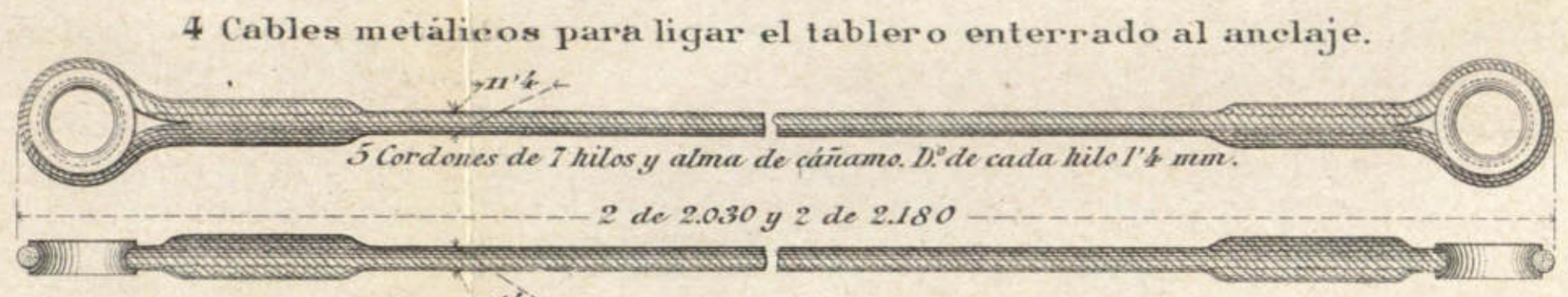
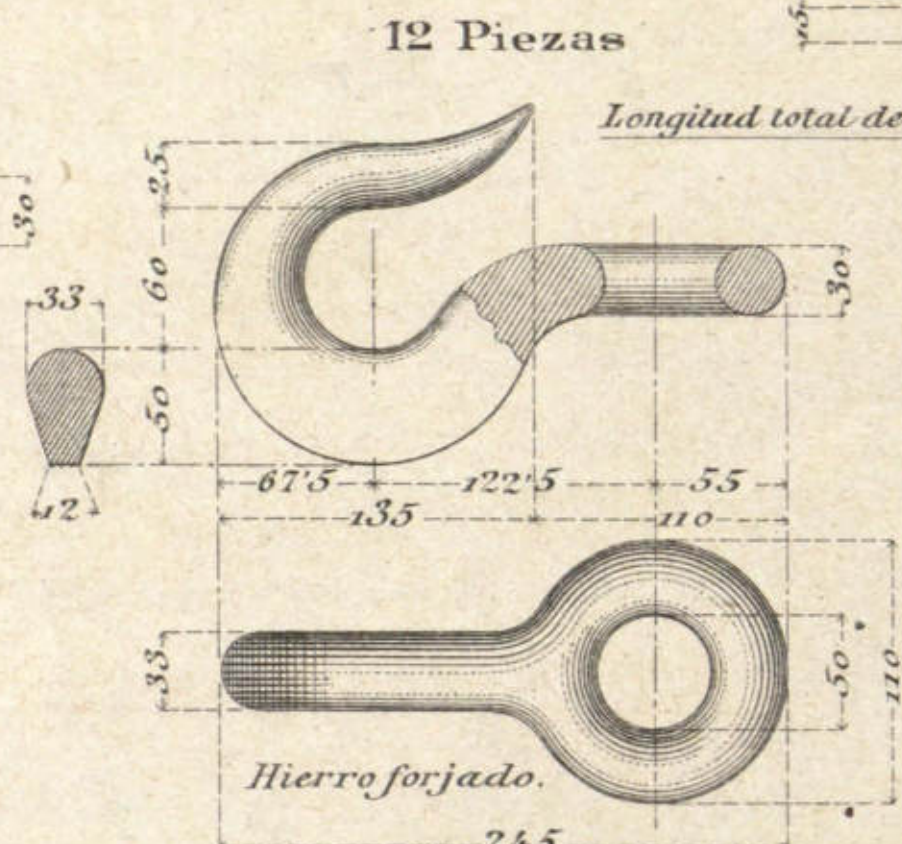
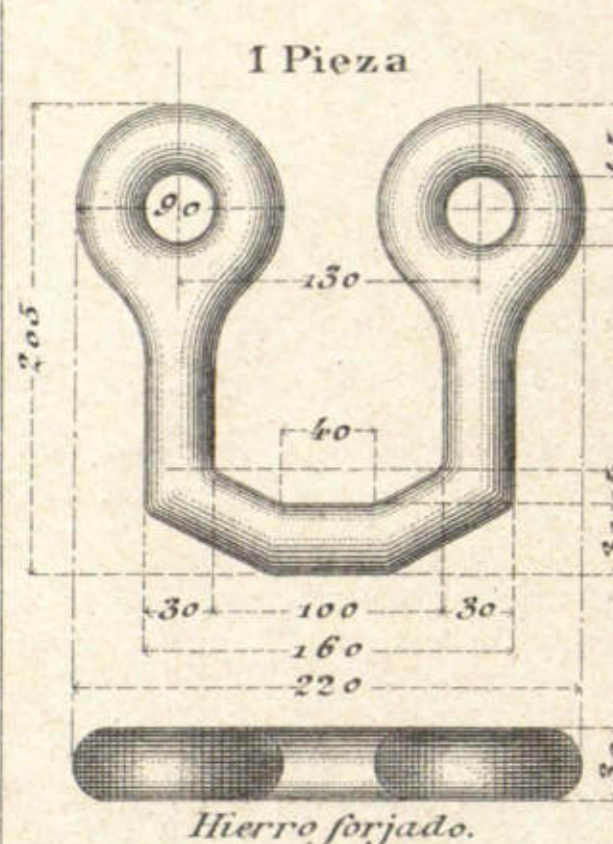
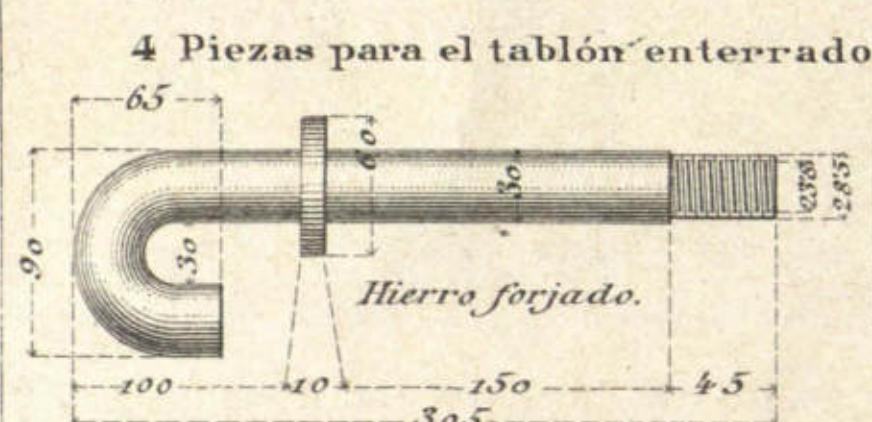
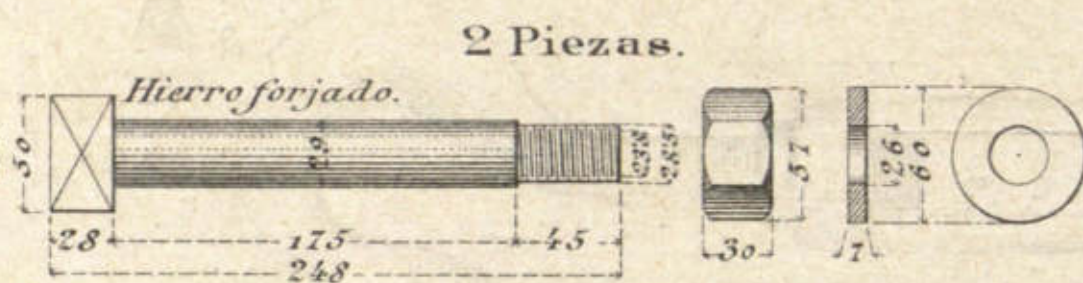
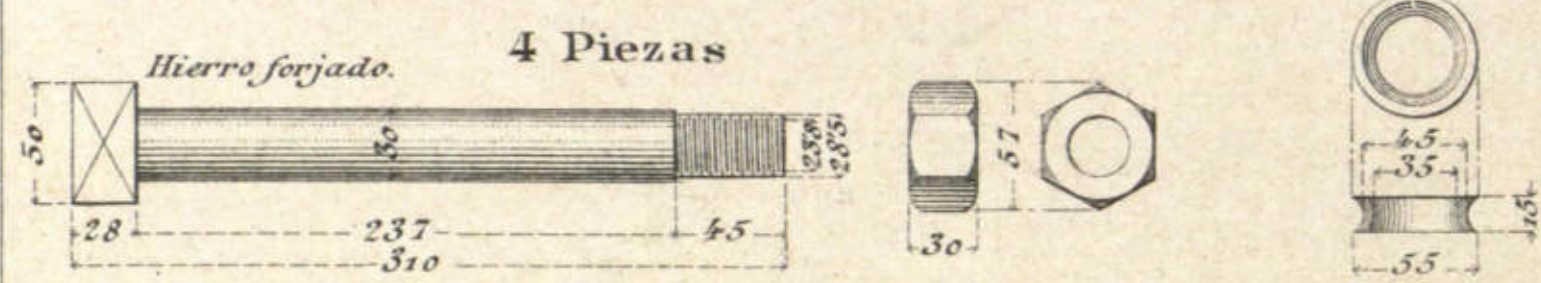
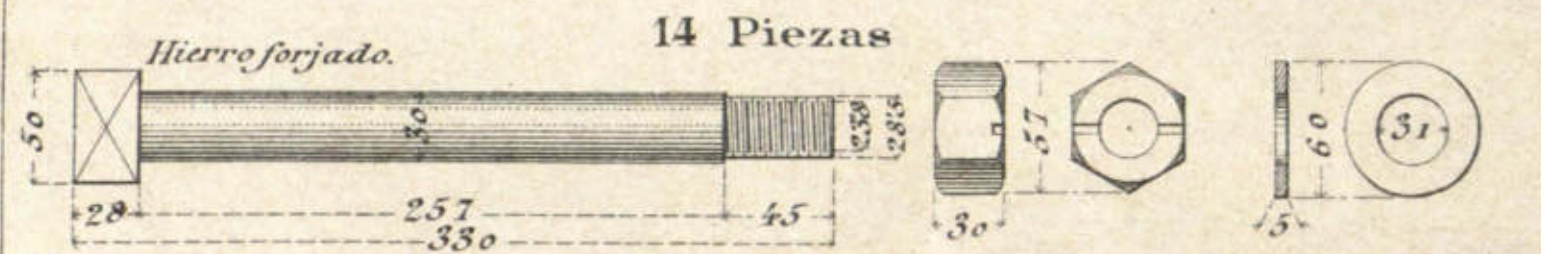
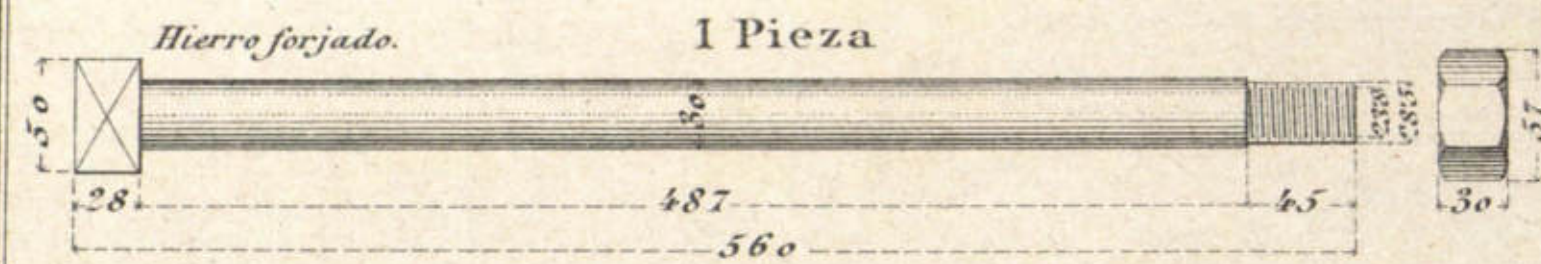
4 Piezas



- 2 Ganchos en el 2º tablón del anclaje.
- 4 id. en el tablero-apoyo de C y O.
- 2 id. en el " " del M.



ANCLAJE Y APOYOS Md.1917 PARA CAÑONES, OBUSES Y MORTEROS DE ARTILLERÍA PESADA Y DE POSICIÓN REFORMADOS EN 1919



Escala 2/10

