

ARREGLO DE 1862.



BIBLIOTECA CENTRAL MILITAR

Inscripción .. { Folio.....
 { Número.....

Clasificación. { División.....
 { Subdivisión.....

Colocación. { Estante..... *2.º*
 { Tabla *6.ª* *caja 1.ª*
 { Número..... *6380*

MUSEO DE LITERATURA MILITAR

ESTADO MAYOR



COMANDO EN JEFE

† EJERCITO ESPAÑOL †

Inscripción { Sala.....
 { Estante *7-B*

Clasificación Colocación { Tabla *2.ª*
 { Núm. *1.869*
B-3

1869

M-1869-B-3

B-3

COLECCION DE LAMINAS
DEL MATERIAL

DE LA

ARTILLERÍA ESPAÑOLA.

—•••—
TOMO II.
—•••—

MADRID.—1869.



ÍNDICE

del tomo 2.º de la Colección de láminas del material de Artillería española, que comprende las publicadas hasta diciembre de 1869.

SERIE C.

Material de batalla.

MATERIAL, MODELO 1863.

- LÁMINA 1. Vista general de la pieza.
2. Cureña: piezas de madera.
3. Id.: herrajes.
4. Armon: piezas de madera.
5. Id.: herrajes.
6. Id.: caja de municiones.
7. Juegos de armas.
8. Vista general del carro de municiones.
9. Carro de municiones: madera.
10. Caja del carro de municiones.
11. Carro de municiones: herrajes.
12. Carro de seccion: vista general.
13. Id.: madera.
14. Id.: herrajes.
15. Fragua: vista general.
16. Id.: madera.
17. Id.: herrajes.
18. Id.: caja de herramientas.
19. Herramientas de carpintero y carretero.
20. Id. de herrero y cerrajero.

Modificación de este material, para aplicarlo al cañon rayado de 8 centímetros cargado por la culata.

- LÁMINA 21. Cureña.
22. Carro de municiones.
23. Armon.

MATERIAL, MODELO 1868.

- LÁMINA 24. Vista general de la cureña.
25. Partes de madera de la cureña.
26. Herrajes de la cureña.
27. Juegos de armas (*).

SERIE D.

Material de montaña.

MATERIAL, MODELO 1863.

- LÁMINA 1. Cureña: vista general, y detalles.
2. Caja de municiones y juegos de armas.
3. Bastes: vistas generales.
4. Detalles de los bastes.
5. Caja para herramienta y botiquin.

(*) El armon, carro de municiones de seccion y fragua, los del material modelo 1863.



Coleccion de laminas del material de Artilleria

3^{ra} Serie

Material de Batalla modelo de 1865.

- Lamina 1^{ra} Vista g^{ral} de la pieza.
- 2^{da} Cúrcula, piezas de Madera.
- 3^{ra} 4^{ta} herrajes.
- 4^{ta} Orunion piezas de madera.
- 5^{ta} 6^{ta} herrajes.
- 6^{ta} 7^{ta} Caja de municiones.
- 8^{ta} Juego de armas.
- 9^{ta} Vista g^{ral} del carro de municiones.
- 10. Carro de municiones madera.
- 11. Caja de municiones herrajes.
- 12. Carro de Seccion vista g^{ral}.
- 13. 14. 4^{ta} 5^{ta} madera.
- 15. 16. 4^{ta} 5^{ta} herrajes.
- 17. Fraqua vista general.
- 18. 19. 4^{ta} 5^{ta} madera.
- 20. 21. 4^{ta} 5^{ta} herrajes.
- 22. Caja de herramientas.
- 23. Herramientas de Carpintero y Carretero.
- 24. 4^{ta} 5^{ta} de herrero y Cerrajero.
- 25. Modificaciones de este material para aplicarlo al cañon rayado de acero de 8 ¹/₄ pulgadas.
- 26. Cúrcula
- 27. Carro de municiones
- 28. Armon

4^{ta} Serie

Material de montaña modelo de 1865.

- Lamina 1^{ra} Vista g^{ral} y detalles.
- 2^{da} Caja de municiones y juego de armas.
- 3^{ra} 4^{ta} Vistas vistas generales.
- 5^{ta} 6^{ta} Detalles de los castes.
- 7^{ta} 8^{ta} Caja para herramientas y botiquin.

5^{ta} Serie

Material de Batalla modelo 1868.

- Lamina 1^{ra} Vista g^{ral} de la cúrcula.
- 2^{da} 3^{ra} Partes de madera de la id.
- 4^{ta} 5^{ta} Herrajes de la id
- 6^{ta} 7^{ta} Juego de armas
- 8^{ta} 9^{ta} El armon, Carro de municiones de Seccion y Fraqua
- 10. 11. Los del material modelo de 1865.

1842

Journal of the ...

... ..

1842

Journal of the ...

... ..

Journal of the ...

1842

Journal of the ...

... ..

1842

Journal of the ...

... ..

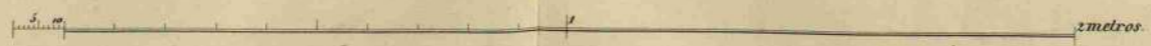
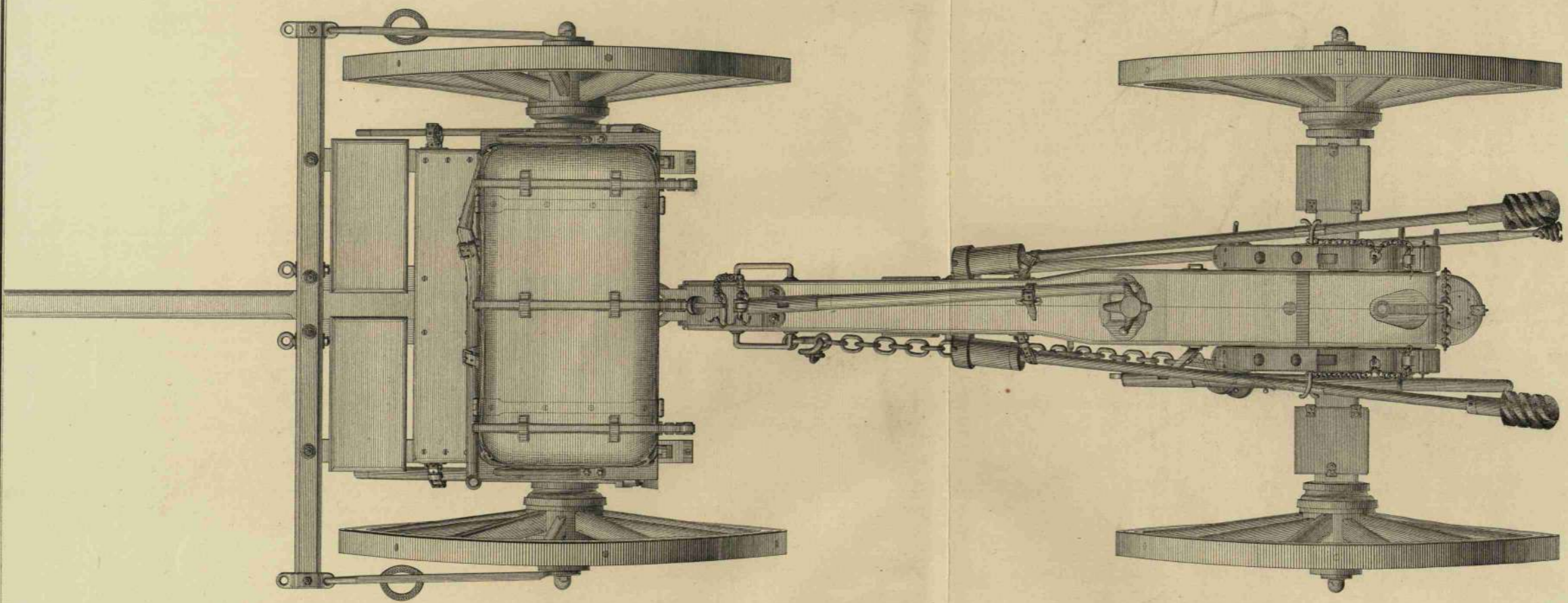
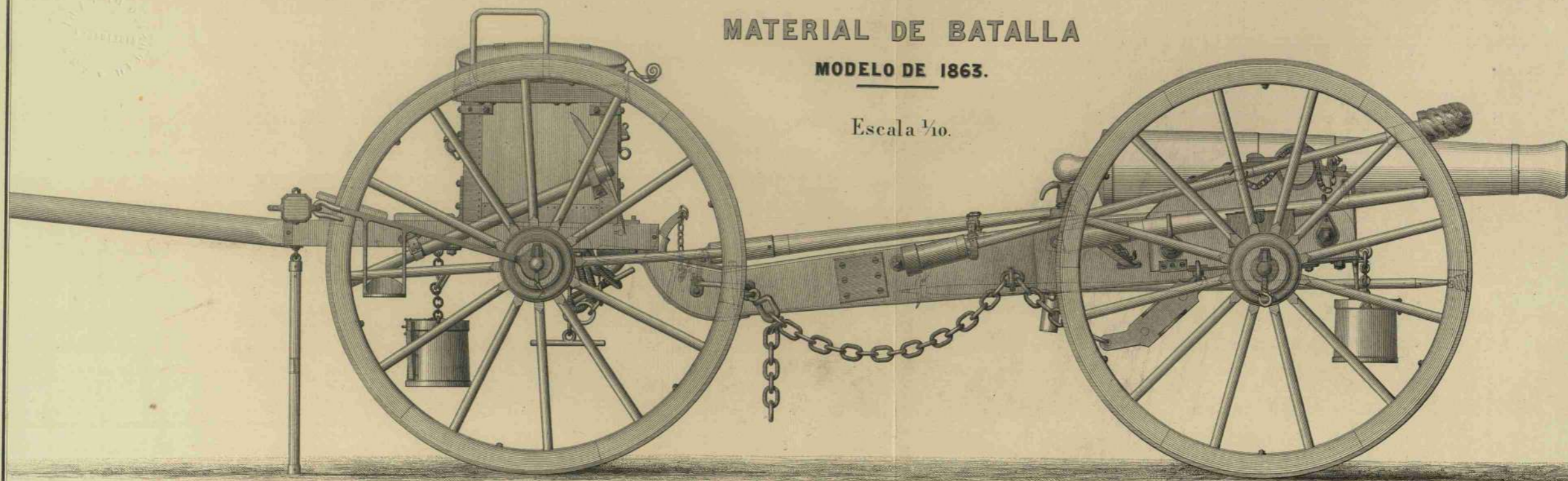
Journal of the ...



MATERIAL DE BATALLA

MODELO DE 1863.

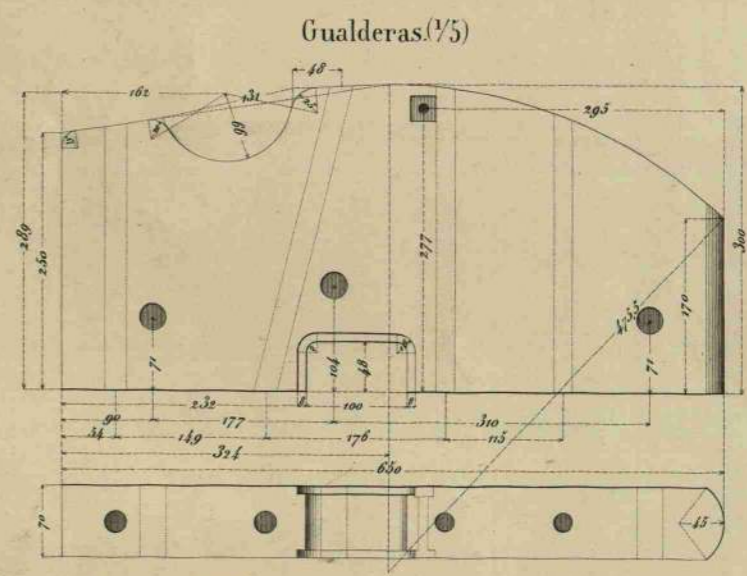
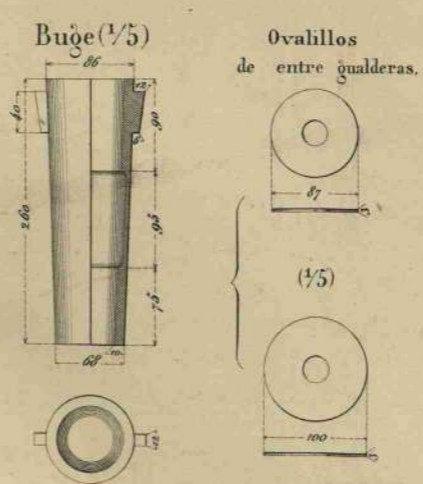
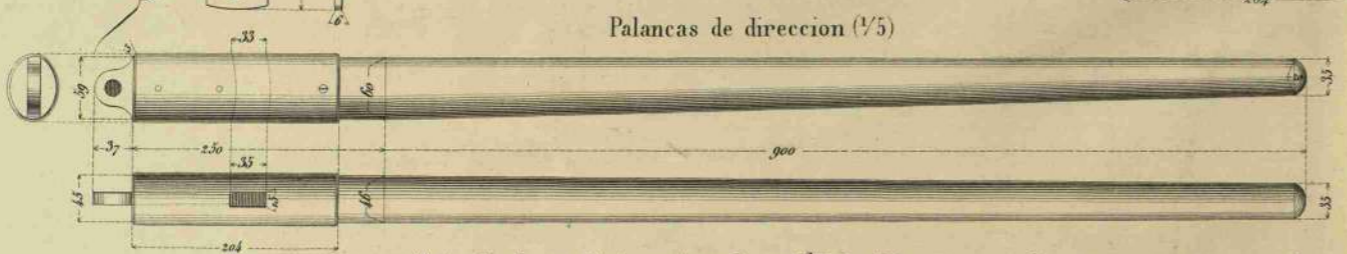
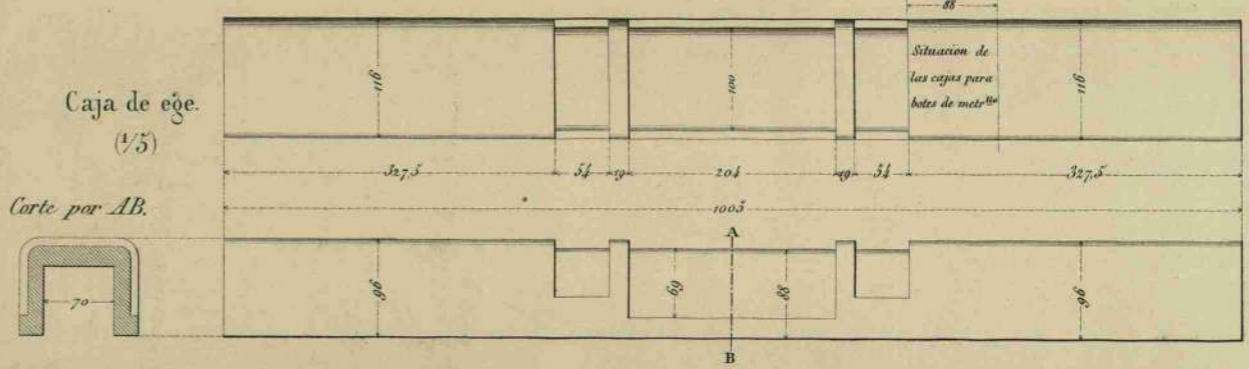
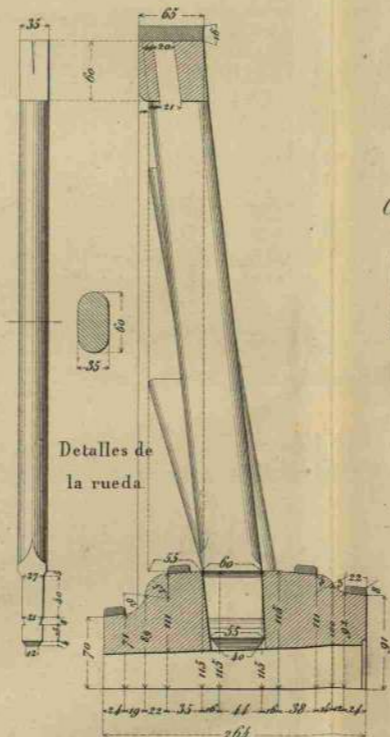
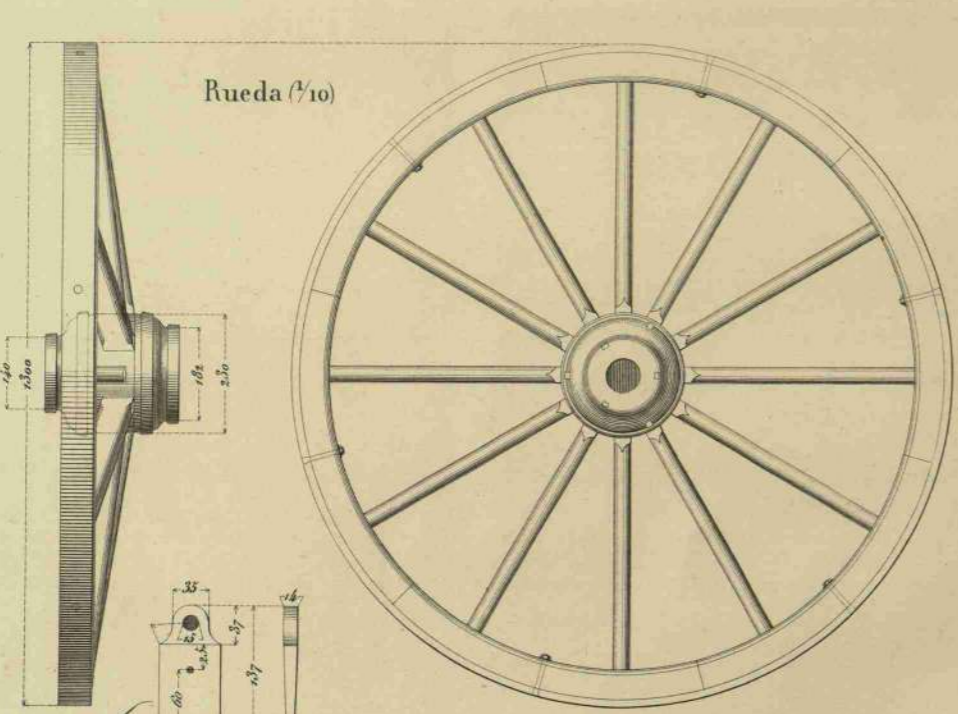
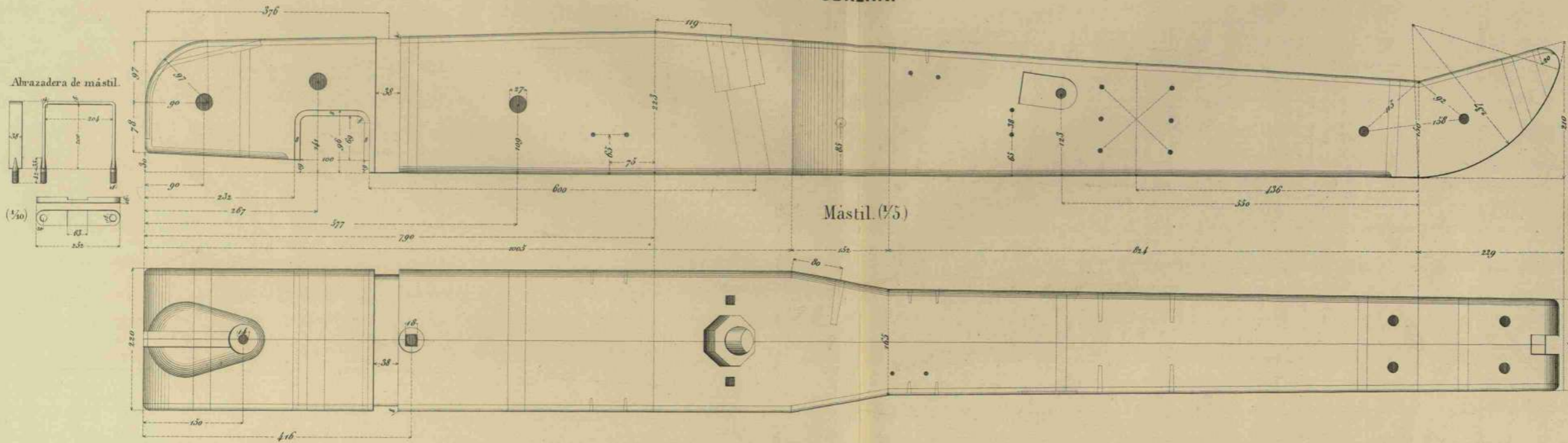
Escala 1/10.



3.^a tirada de esta lámina reformada en Setiembre de 1866.

MATERIAL DE BATALLA MODELO DE 1863.

CUREÑA.



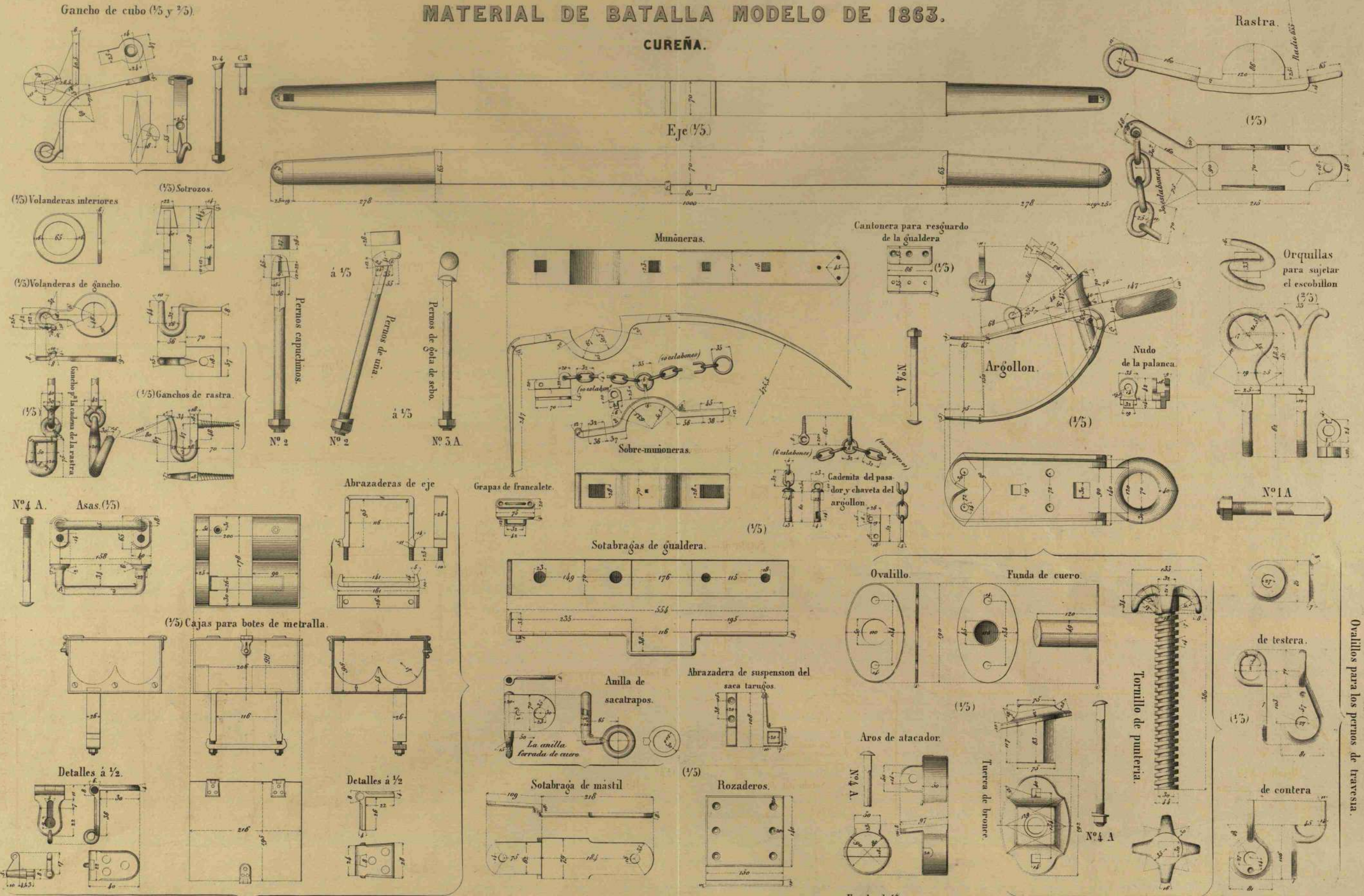
3ª tirada de esta lámina reformada en 7bre de 1866.

Escala de 1/5

10 decim.

MATERIAL DE BATALLA MODELO DE 1863.

CUREÑA.



Febrero de 1865

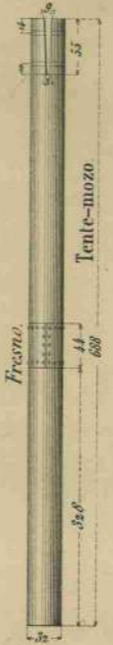
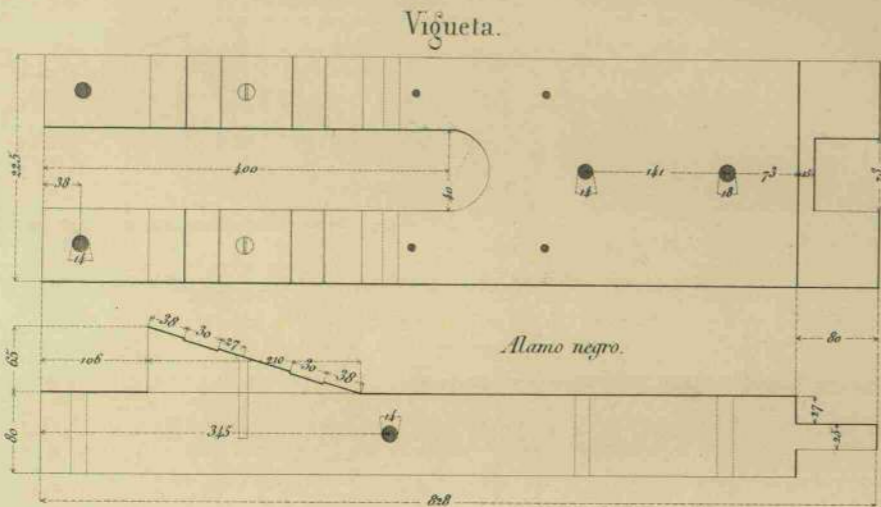
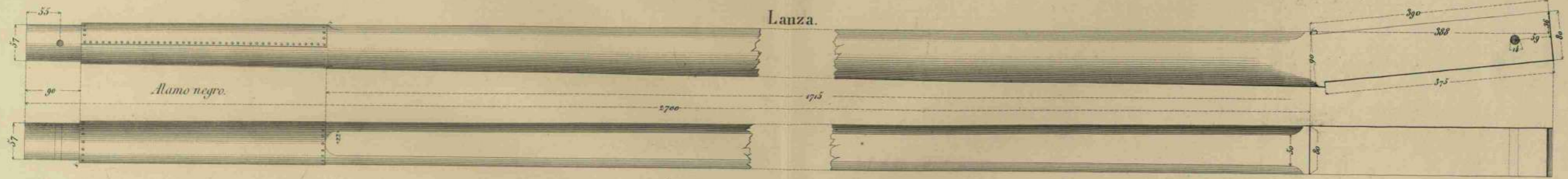
Art.º Litoº del taller de precision

Ovalillos para los pernos de travesia.

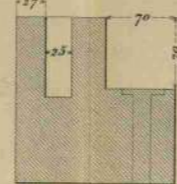
P. J. Guzman

MATERIAL DE BATALLA MODELO DE 1863.

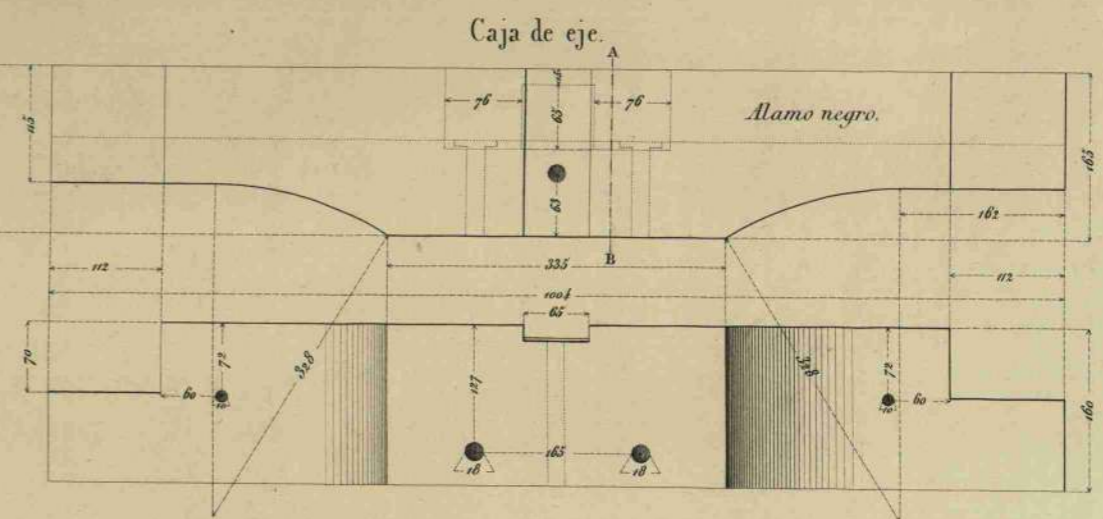
ARMON.



Corte por AB.



Escala 1/5.



Cajas de tabla de concha

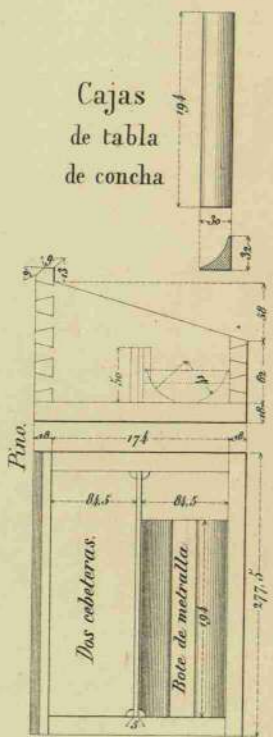
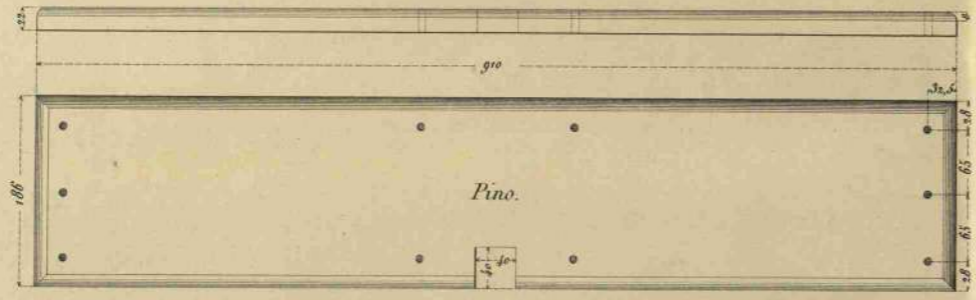
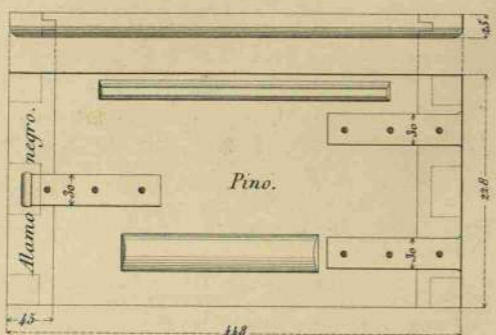


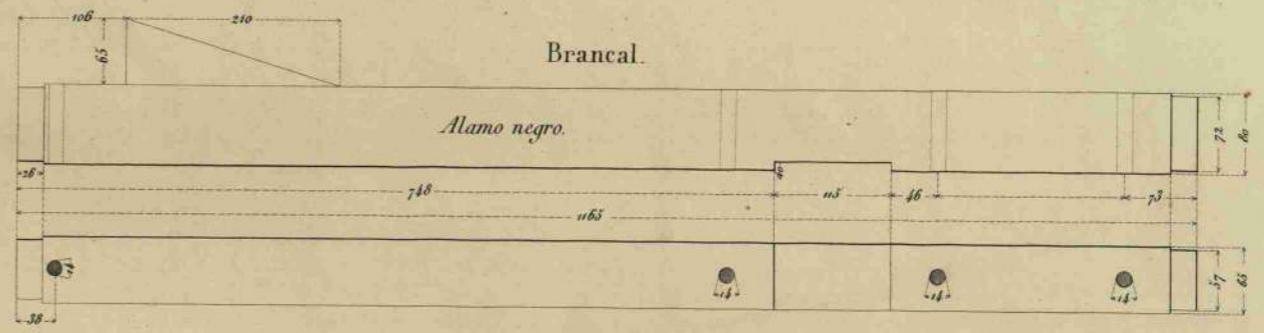
Tabla de piso.



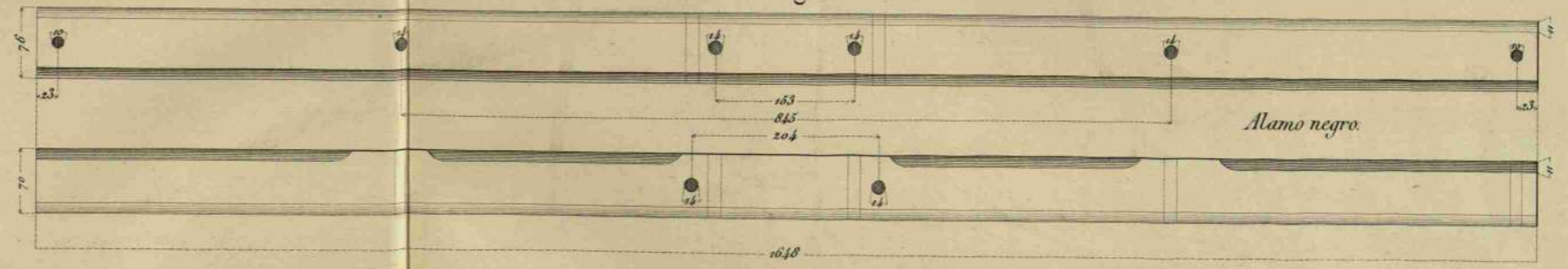
Tablas de concha.



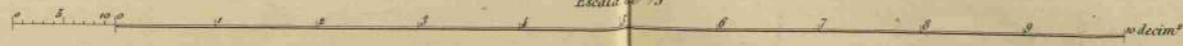
Brancal.



Vara de guardia.



Escala de 1/5

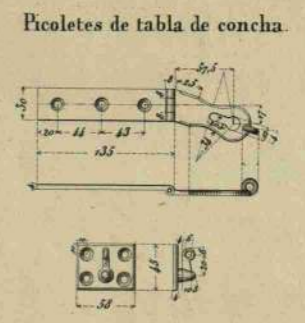
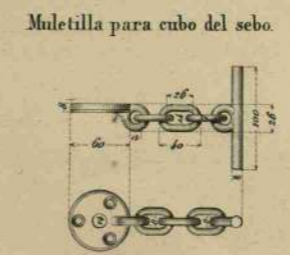
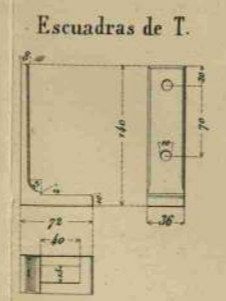
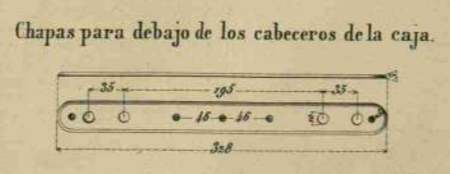
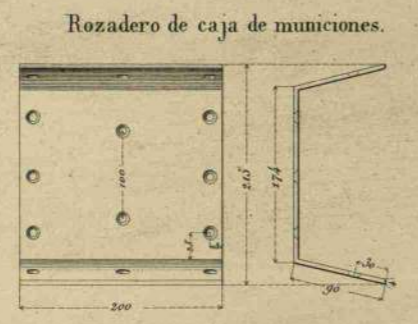
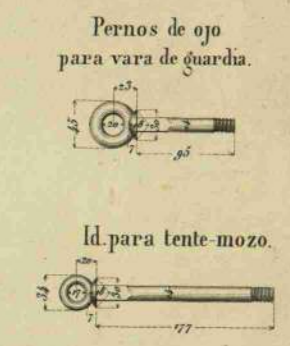
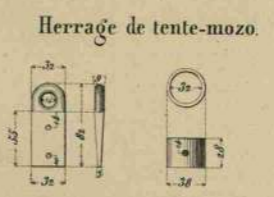
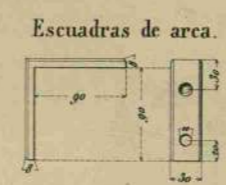
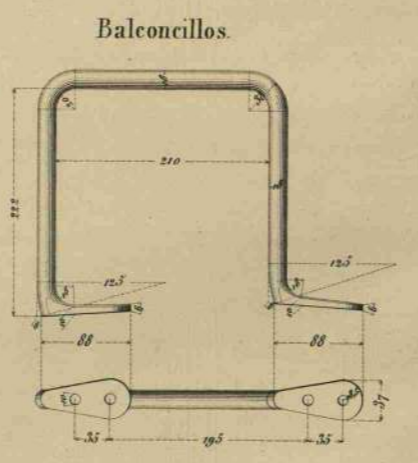
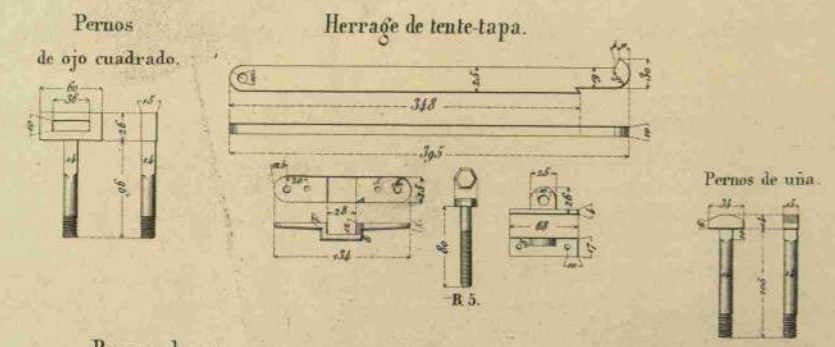
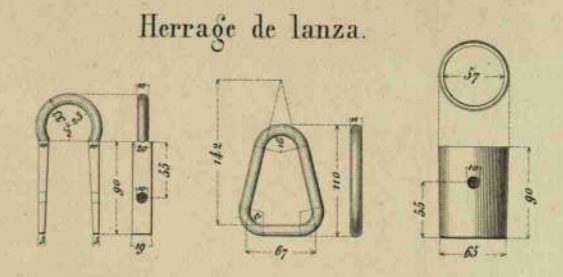
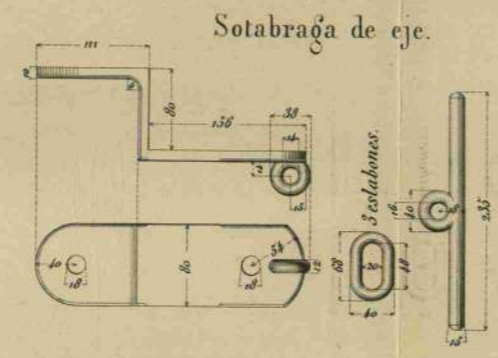
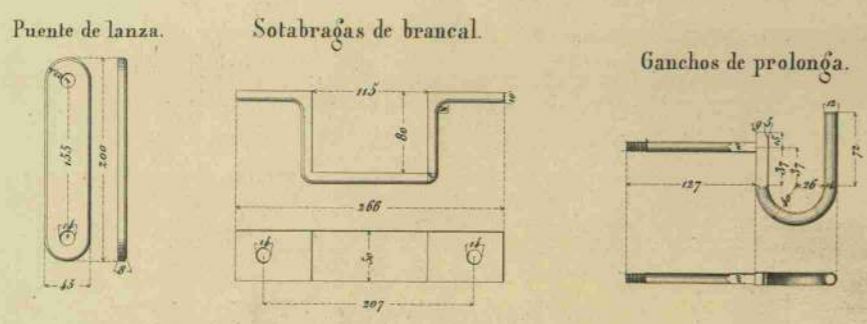
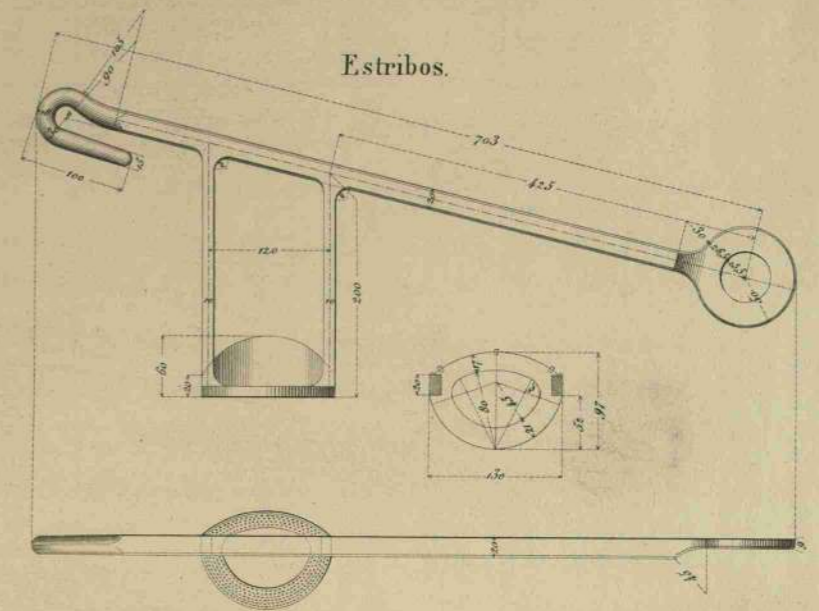
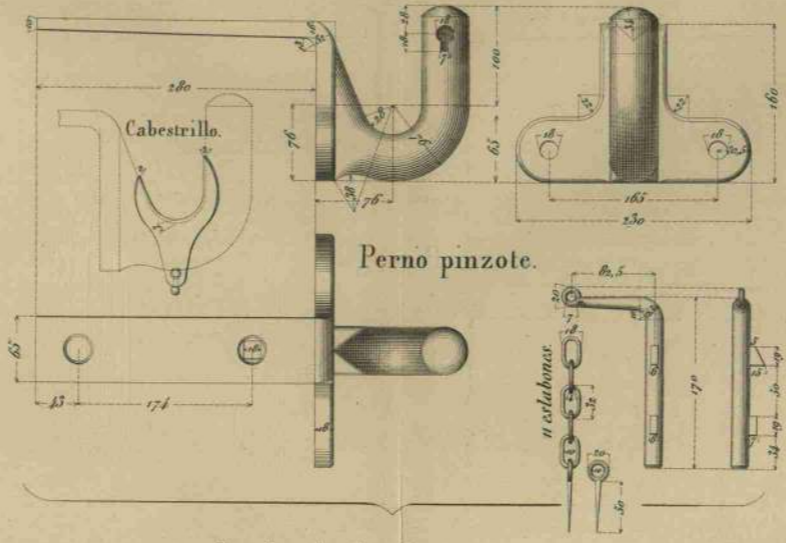
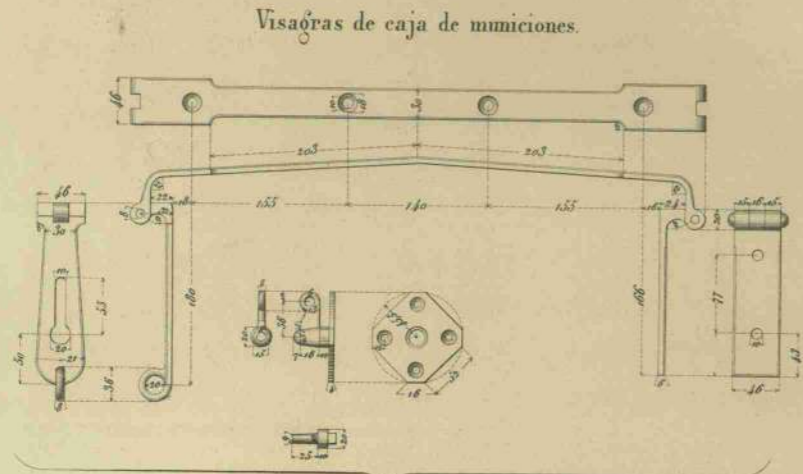


3^a tirada de esta lámina reformada en Setiembre de 1866.

MATERIAL DE BATALLA MODELO DE 1863.

ARMON.

Escala 1/5.



3ª tirada de esta lámina reformada en Setiembre de 1866.



MATERIAL DE BATALLA MODELO DE 1863

JUEGOS DE ARMAS

Escala 1/5

Cubo para sebo.

Tapa-bocas.

Estopador.

Desestopador.

Tirante de mano.

Bolsa de municiones.

Prolonga.

Tirafractor.

Corona.

Cuchillo para E. de T.

Cacerina.

Largo 1035

madera.

Llave para E. de P.

Llave para E. de T.

Escala de 1/5

5 decim⁸

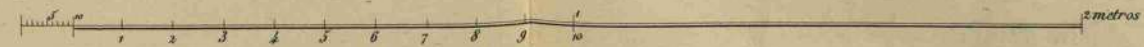
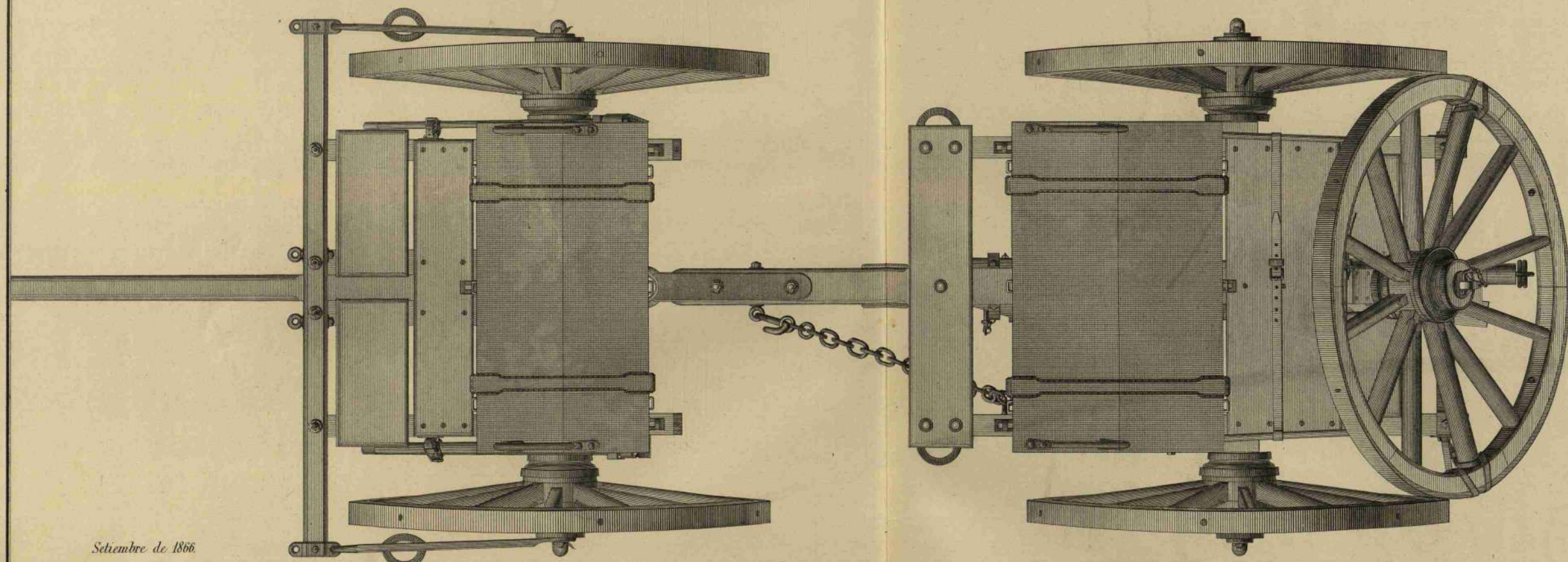
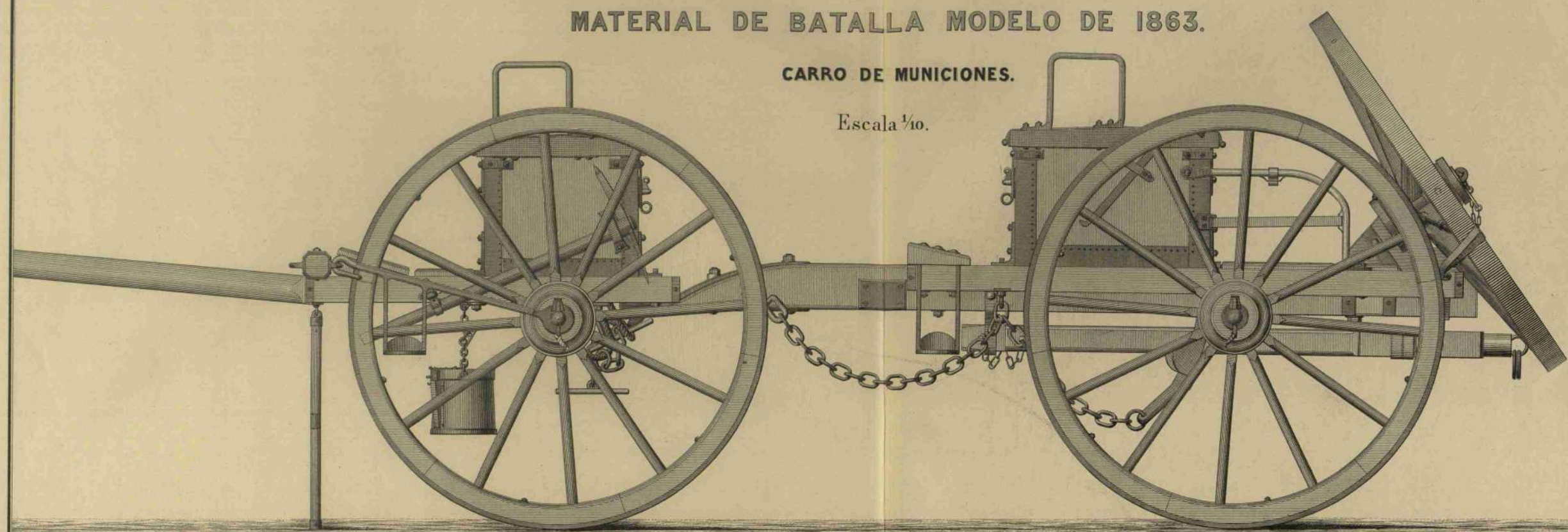
NOTAS 1^a El cubo de agua se diferencia del de sebo en carcer de funda para el cuchillo; se galvanizarán ambos interiormente con estaño; su peso máximo será de 4,500 li. y 4,800 respectivamente. 2^a Las astas de escobillon y sacatrapos serán de majagüa. Las palancas de álamo negro. Los mangos de fresa. 3^a La pala la forman tres chapas empanadas, la del medio de acero en su parte de B à C. 4^a Las palancas se representan en la lámina de los detalles de la cureña.

Octubre de 1865

MATERIAL DE BATALLA MODELO DE 1863.

CARRO DE MUNICIONES.

Escala 1/10.



Setiembre de 1866

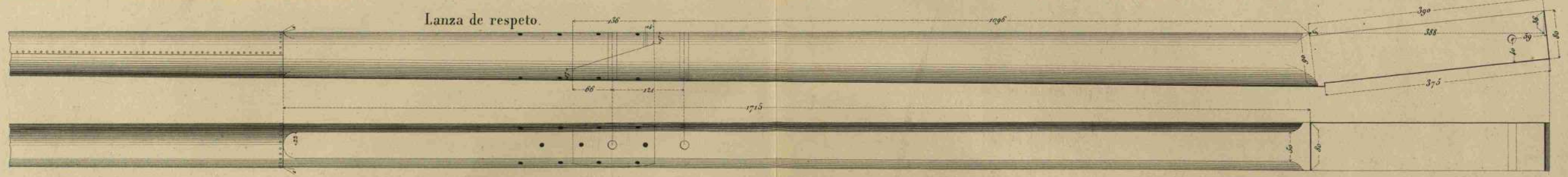
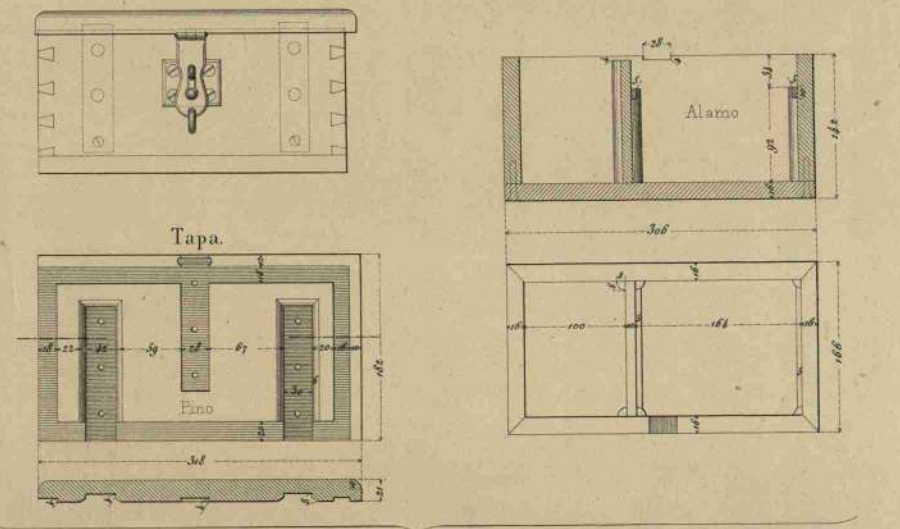
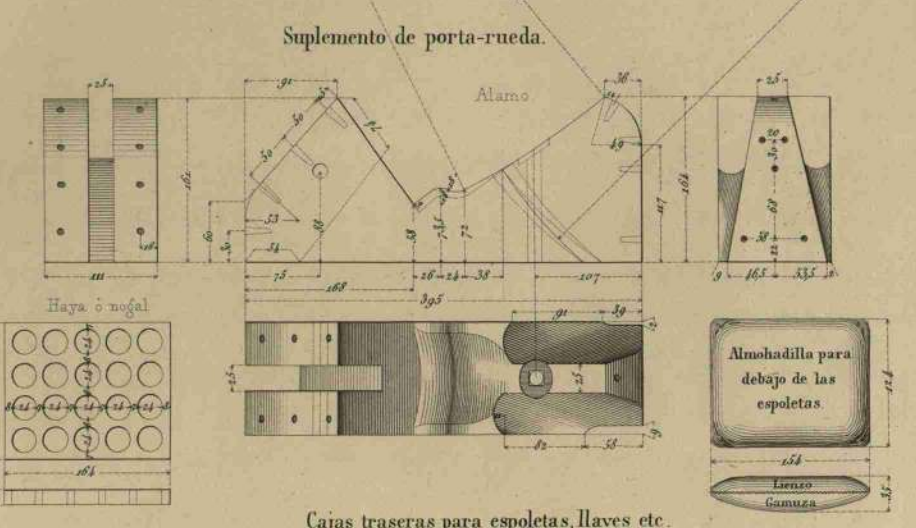
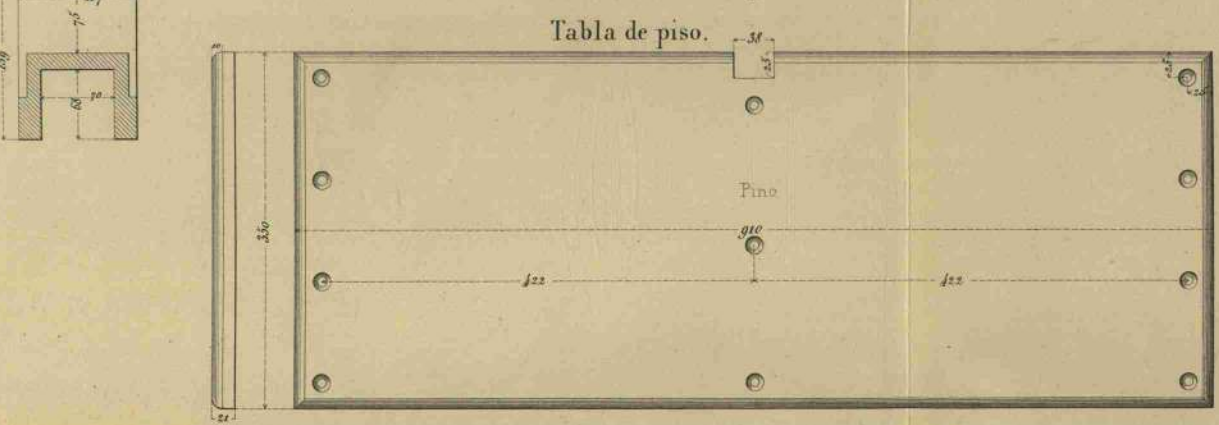
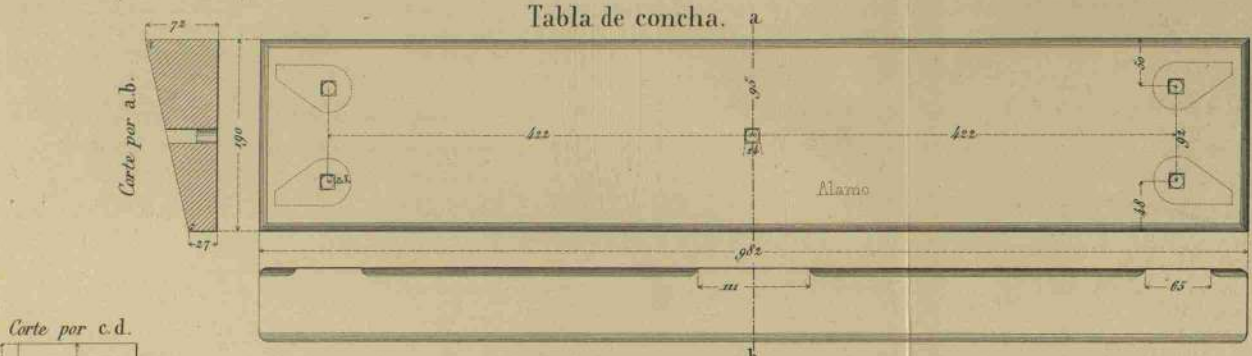
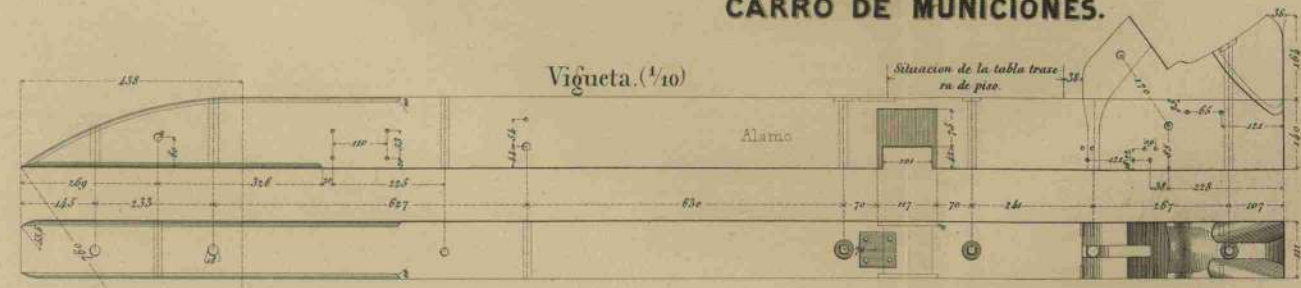
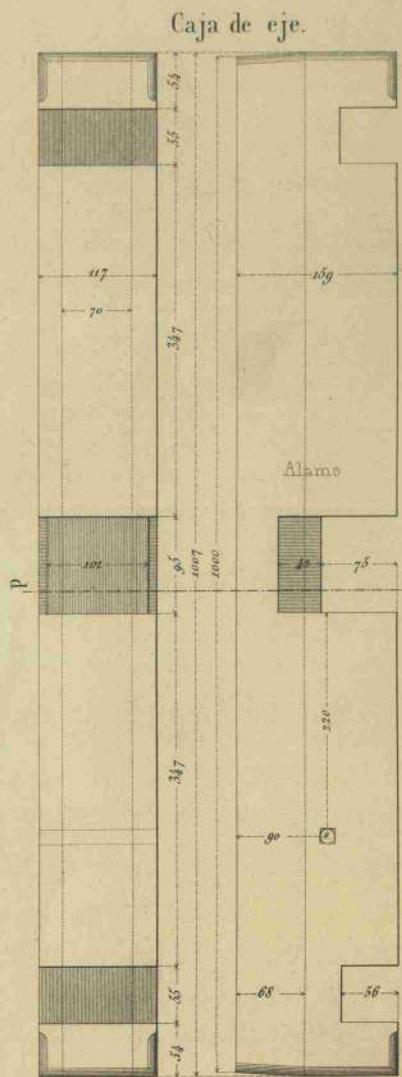
Escudo del soldado por José Muñoz.

Lit. de la Mza de Madrid.

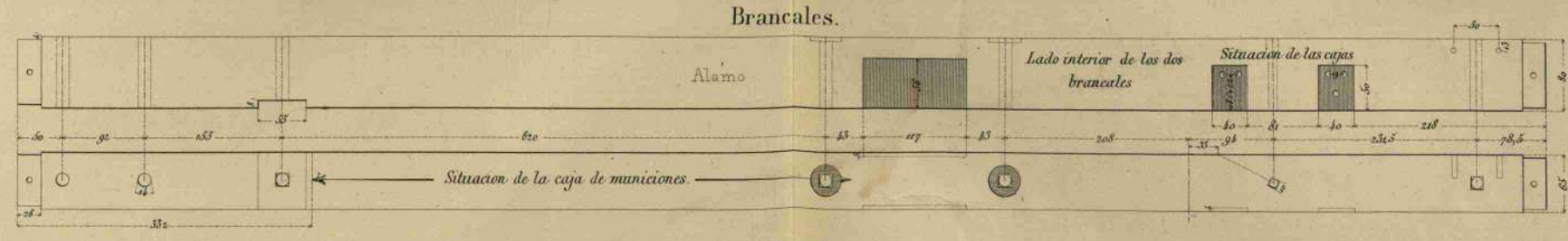
E. J. Gosset 8º

MATERIAL DE BATALLA MODELO DE 1863.

CARRO DE MUNICIONES.



Escala (1/5)



NOTAS.¹En la tapa de la caja de espoletas se fija otra almohadilla de igual dimension que la representada y con solo 10^{mm} en su mayor altura para comprimir las cabezas de las espoletas. ²La caja de la izquierda no lleva division. ³Estas cajas ademas de la sujecion que tienen con sus herrajes se aseguran al brancal por medio de dos tornillos de rosca de madera.

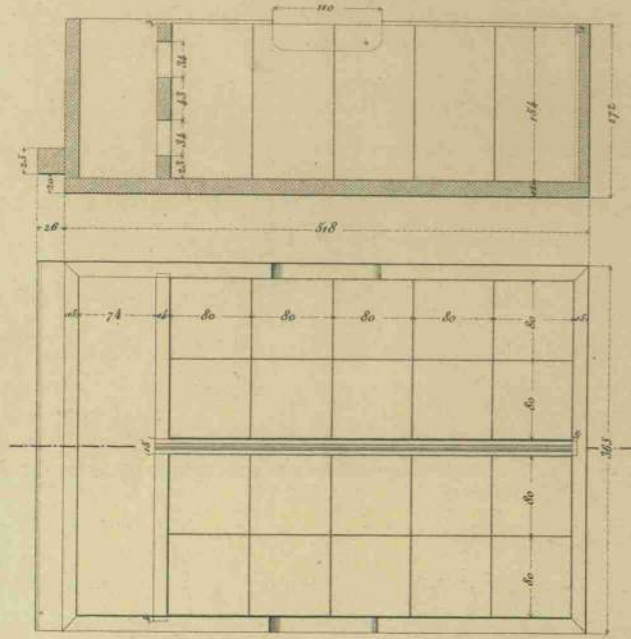
Octubre de 1866.

MATERIAL DE BATALLA MODELO DE 1863.

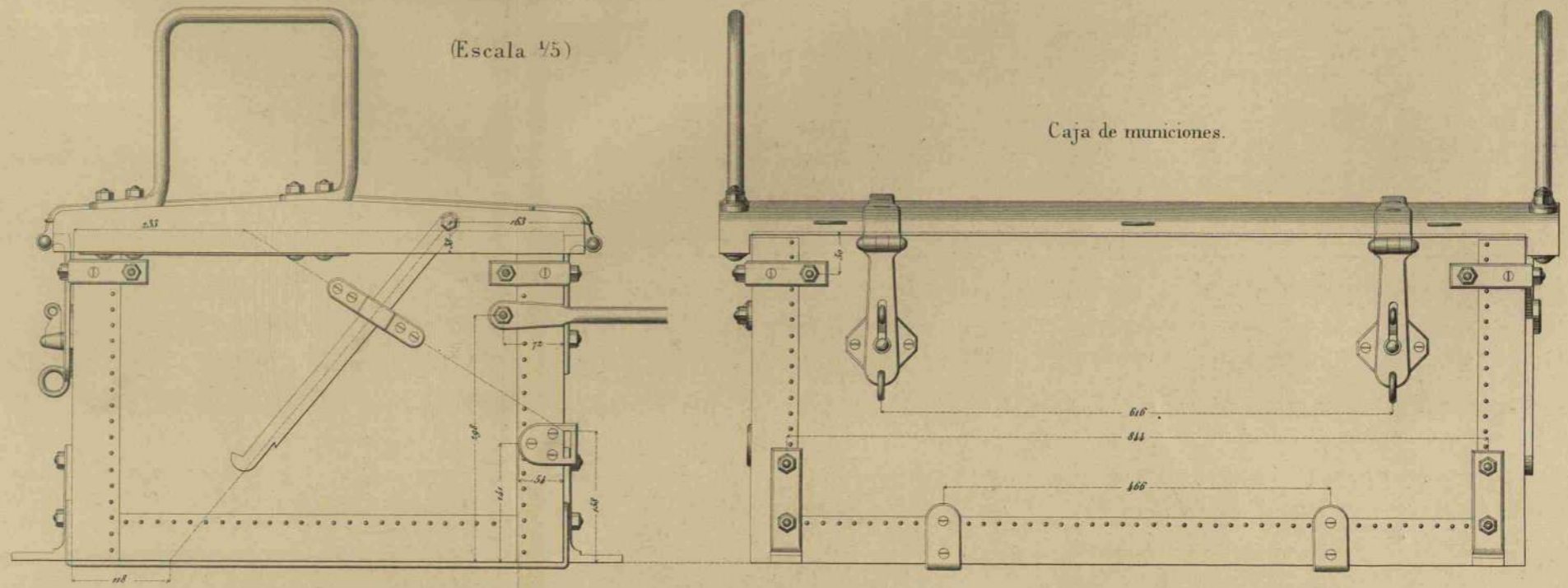
CARRO DE MUNICIONES.

(Escala 1/5)

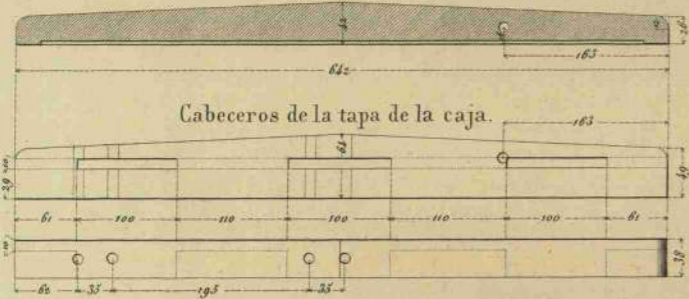
Cajas para cartuchos.



Caja de municiones.

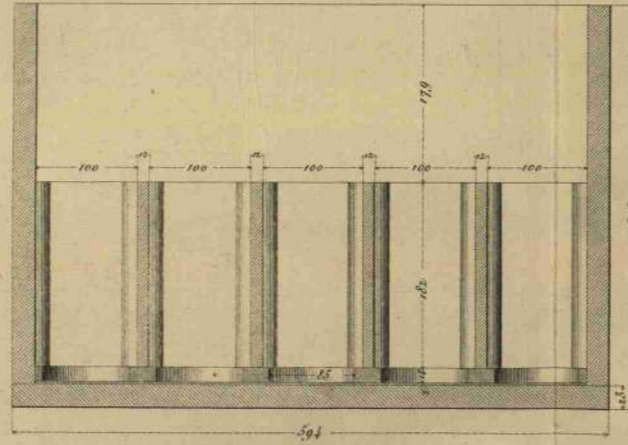


Grueso de la tapa de la caja.

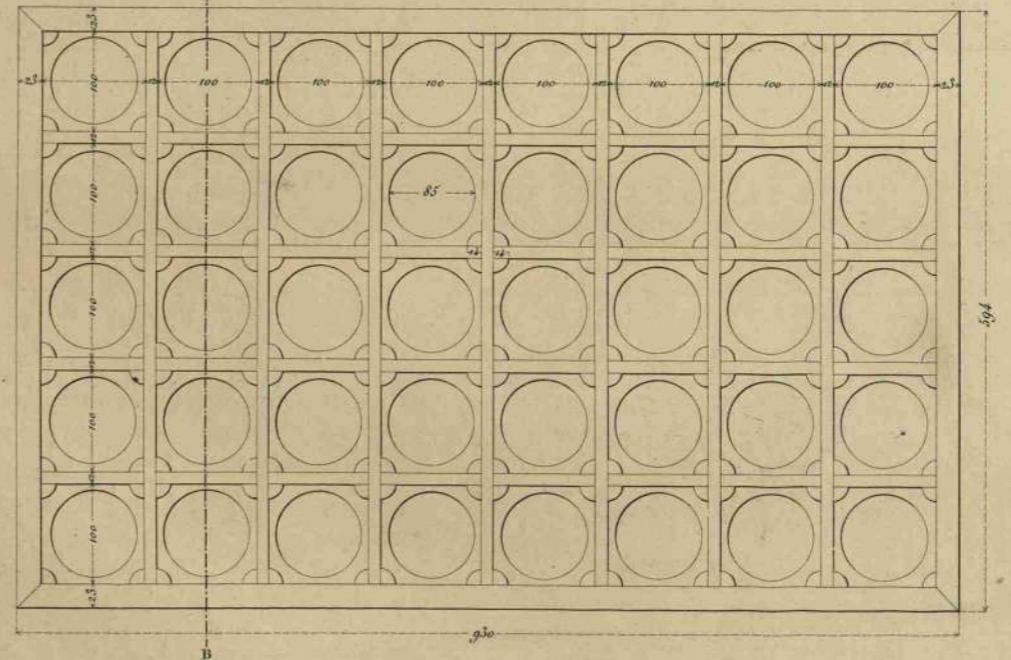


Cabeceros de la tapa de la caja.

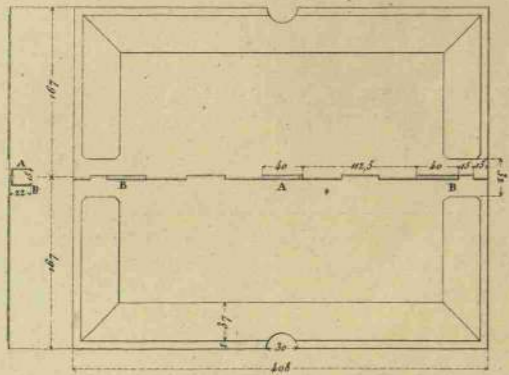
Corte de la caja por AB.



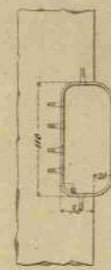
Distribucion interior de la caja.



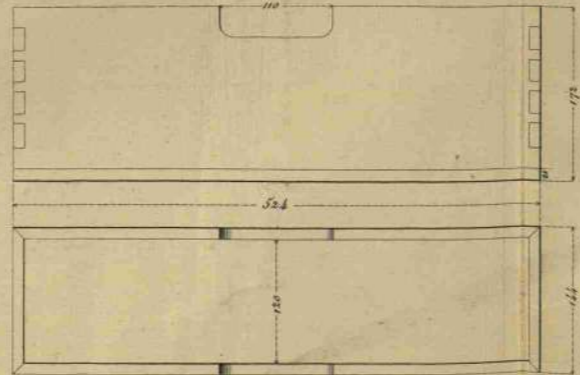
Tapa de zinc para las cajas de cartuchos.



Asas de cuero p.ª las cajas.



Caja del centro.



Corte de la tapa de la caja.



La madera de las cajas es de pino exceptuando la del sobre-fondo y cabeceros de la tapa que es de álamo negro.

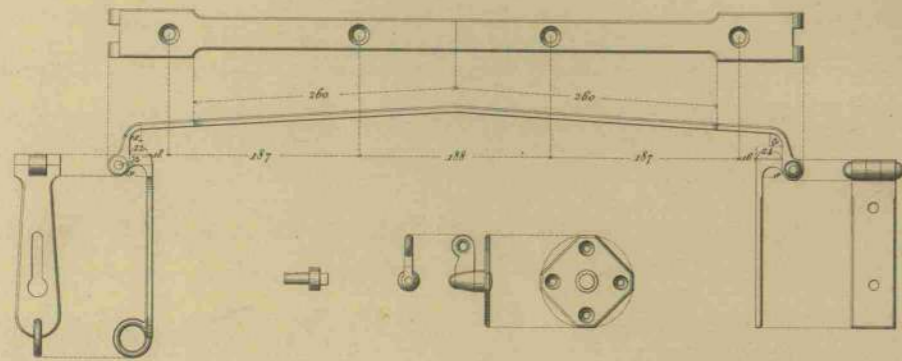
Noviembre de 1866.

MATERIAL DE BATALLA MODELO DE 1863.

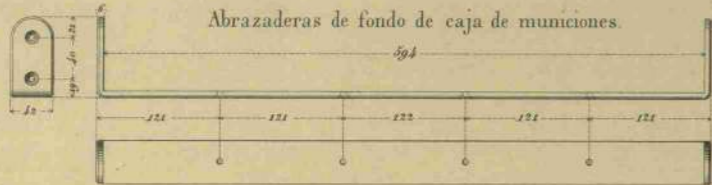
CARRO DE MUNICIONES.

Escala 1/5.

Visagras de caja de municiones.



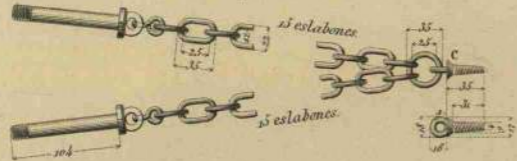
Abrazaderas de fondo de caja de municiones.



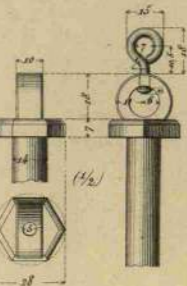
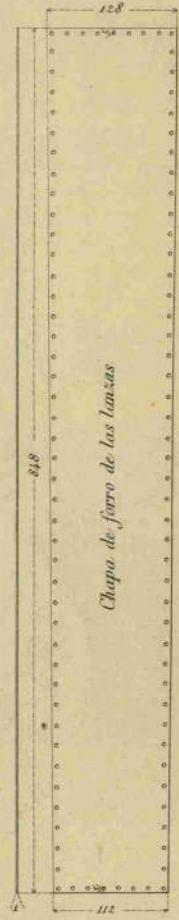
Casquillo de lanza de respeto.



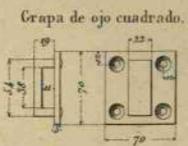
Cadena y pernos de casquillo de lanza de respeto.



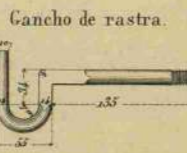
Chapa de fierro de las lanzas.



Rozaderos.



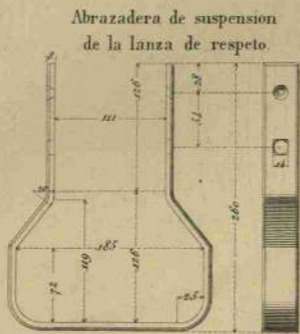
Grapa de ojo cuadrado.



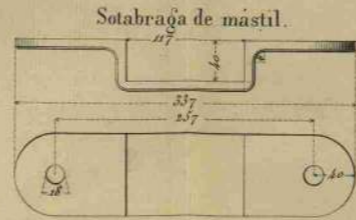
Gancho de rastra.



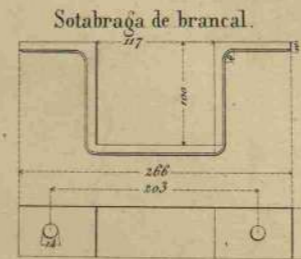
2ª de francaletes de lanza de respeto.



Abrazadera de suspension de la lanza de respeto.



Sotabraja de mástil.

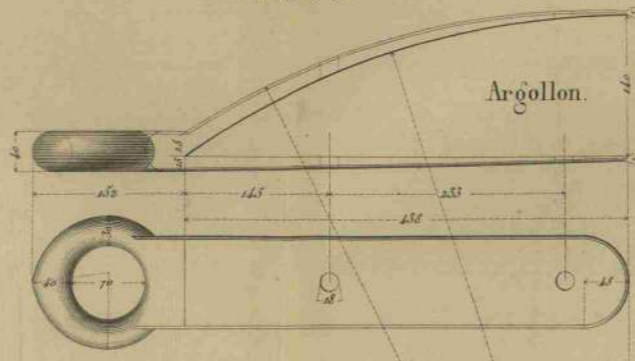


Sotabraja de brancal.

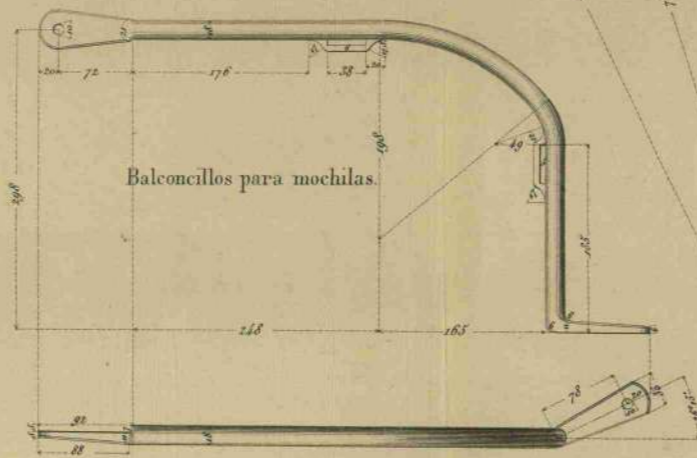


2ª de francaletes de lanza de respeto.

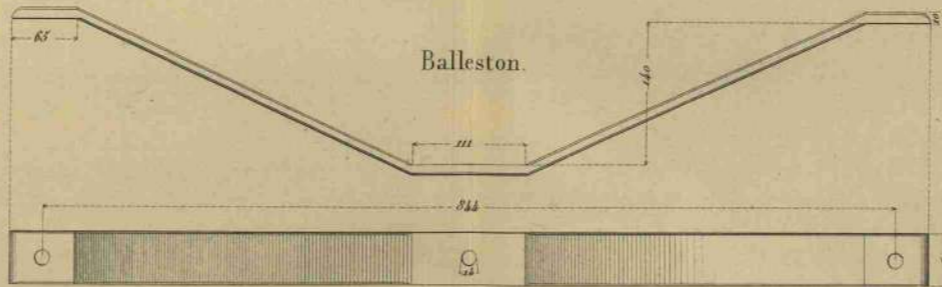
Argollon.



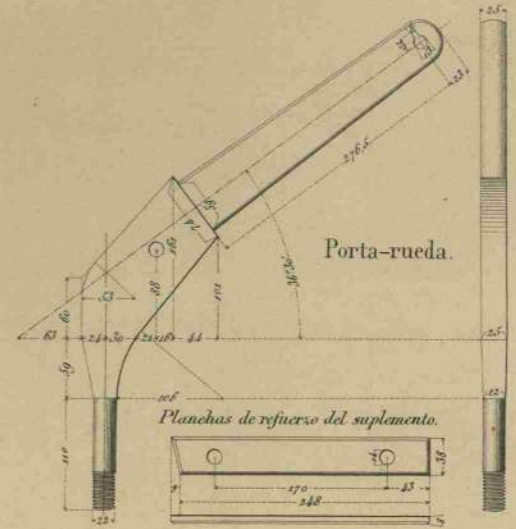
Balconillos para mochilas.



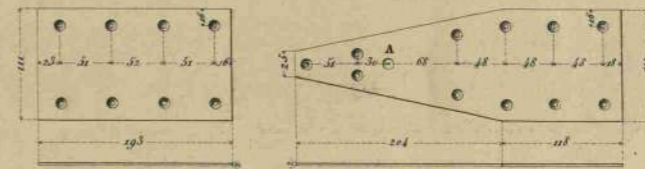
Balleston.



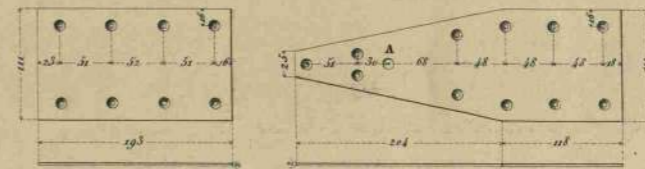
Porta-rueda.



Planchas de refuerzo del suplemento.



Chapas del suplemento de porta-rueda.

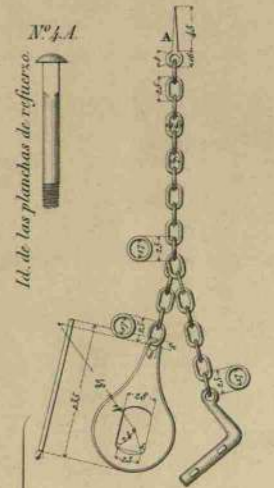


Nº 4.C.

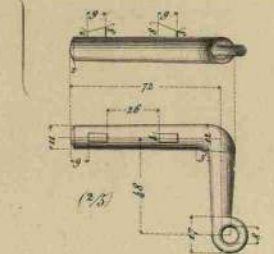
Perno del suplemento.

Nº 4.A.

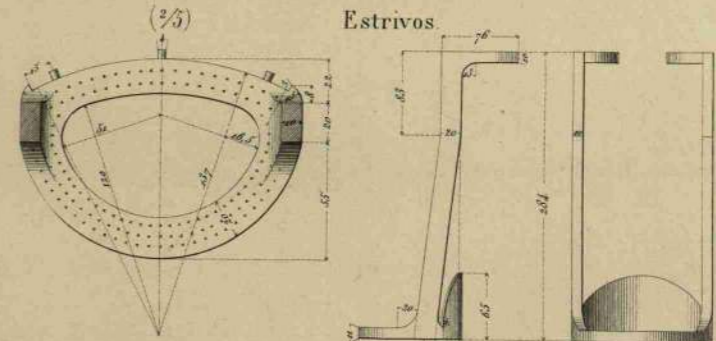
Id. de las planchas de refuerzo.



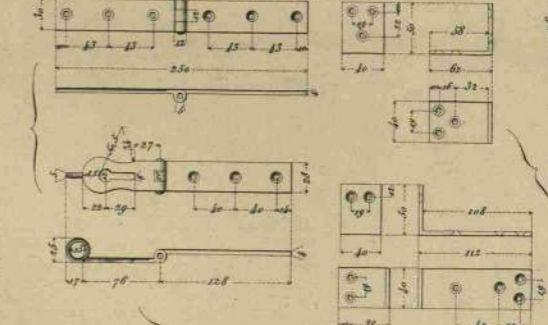
Volandera y llave del Porta-rueda.



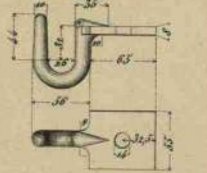
Estrivos.



Herrajes de las cajas de espoletas y llaves.



Gancho de suspension de cadena de rastra.



NOTA Las piezas de herraje no representadas en esta lámina, son las mismas que las correspondientes á la caja de municiones de armen, como balconillos, lente-topa, escuadras, etc. etc. y casquillos de brancal y pernos de uña.

Noviembre de 1866.

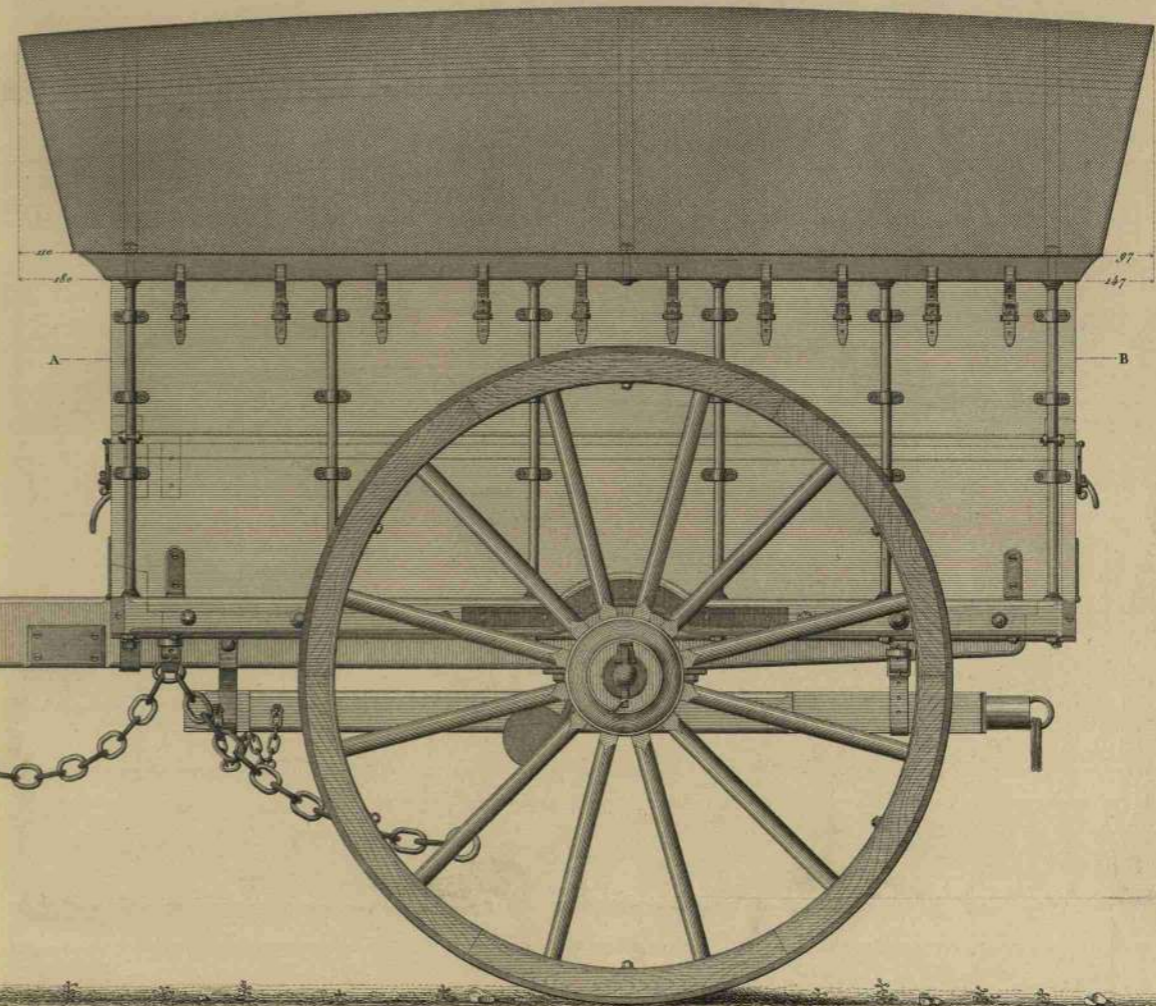
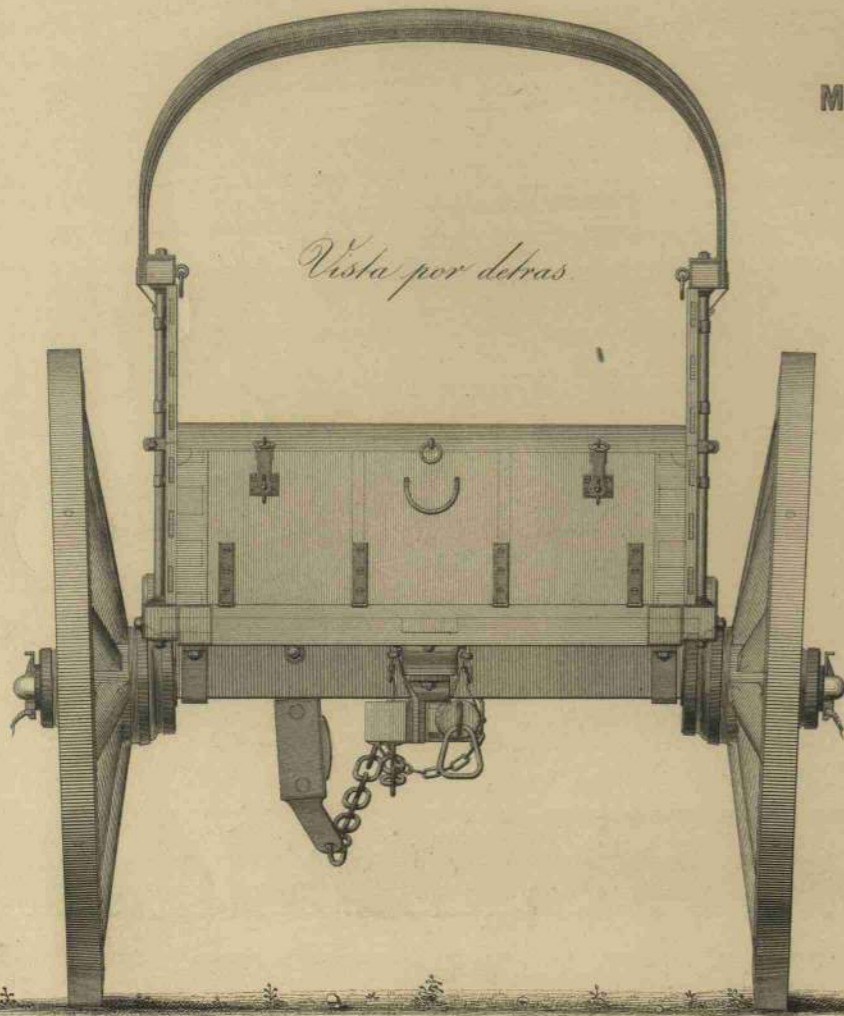
MATERIAL DE BATALLA

modelo de 1863

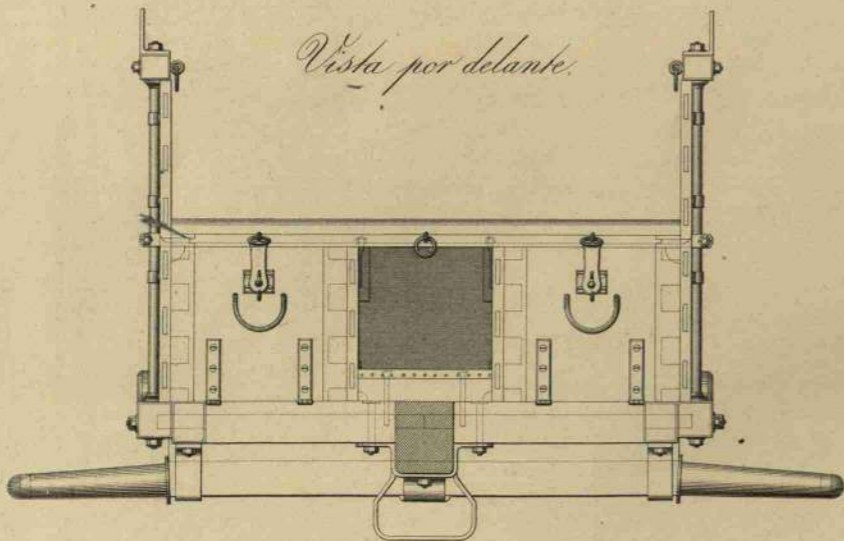
CARRO DE SECCION.

Escala 1/10

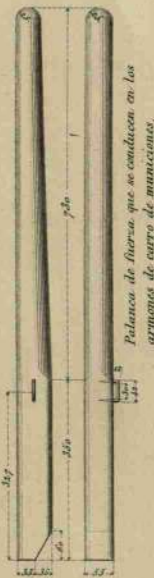
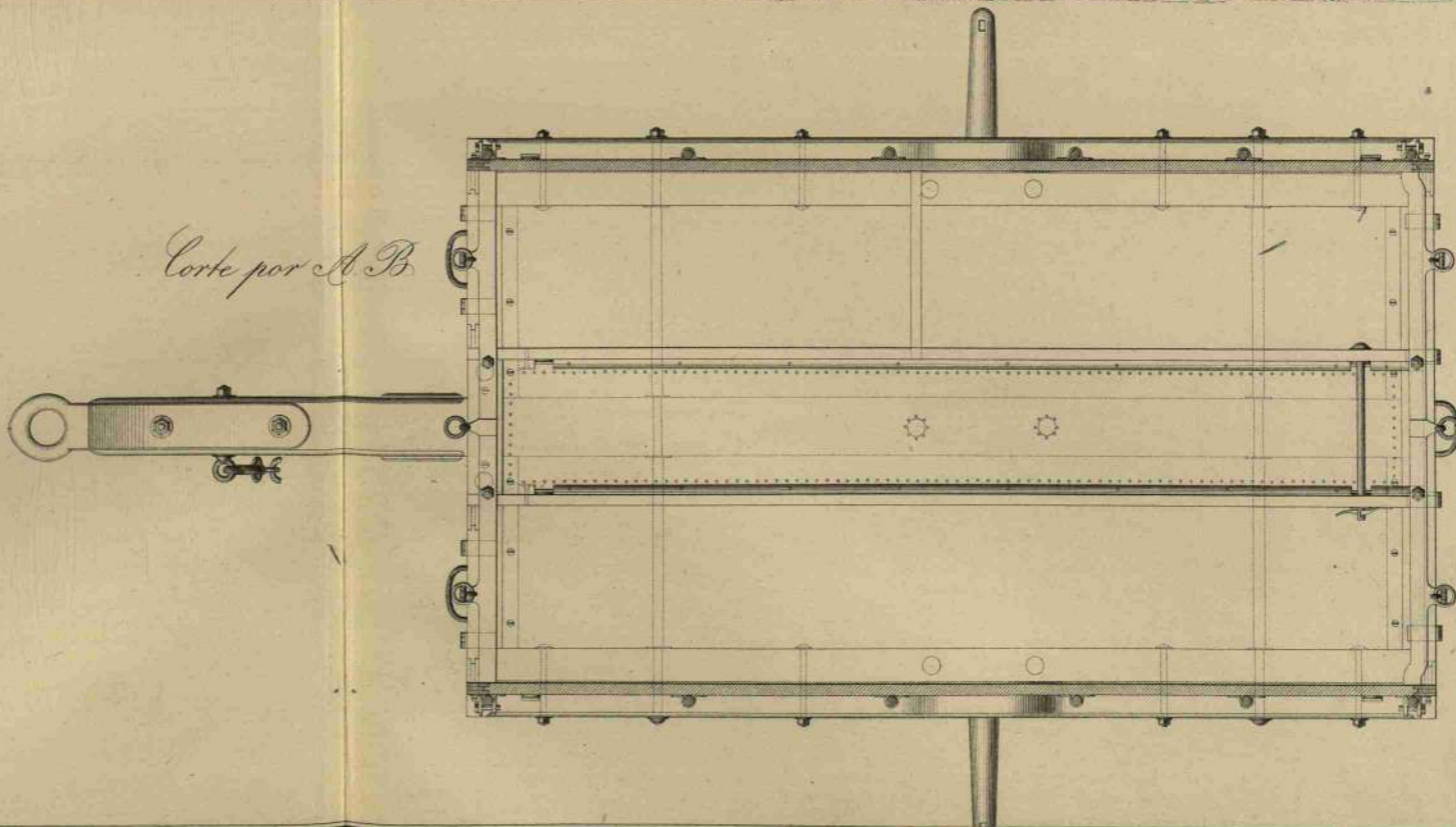
Vista por detras.



Vista por delante.



Corte por A.B.

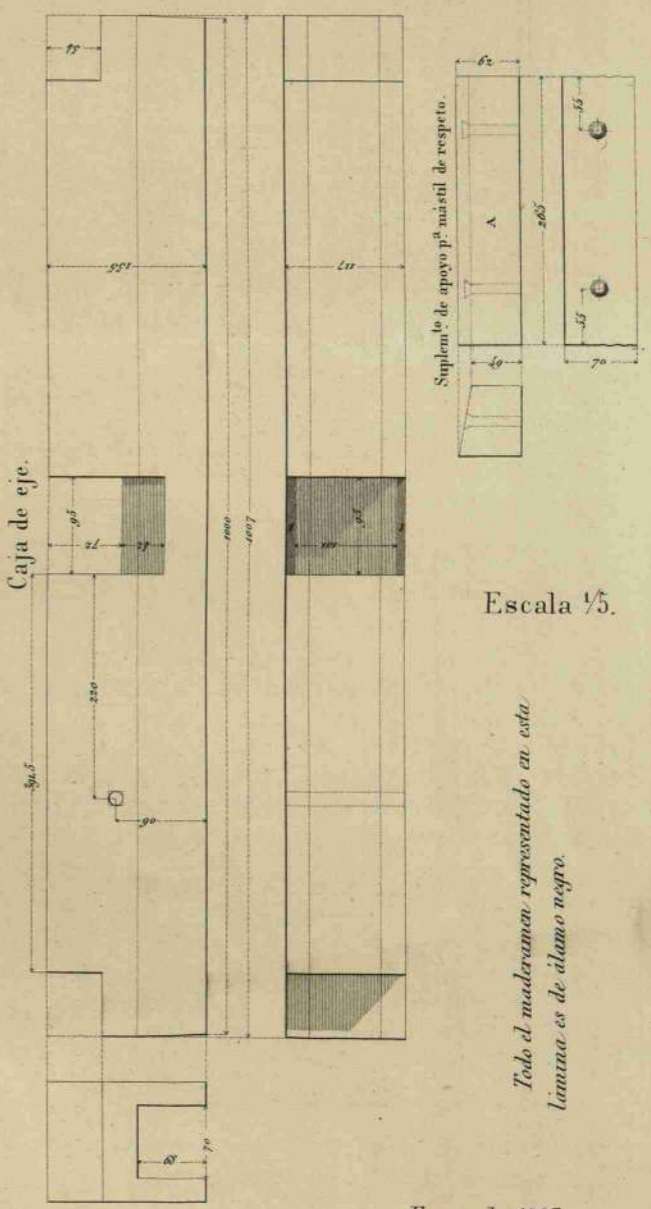
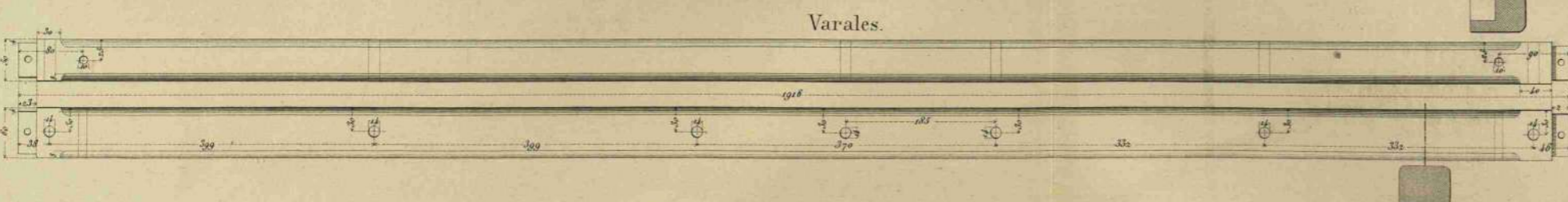
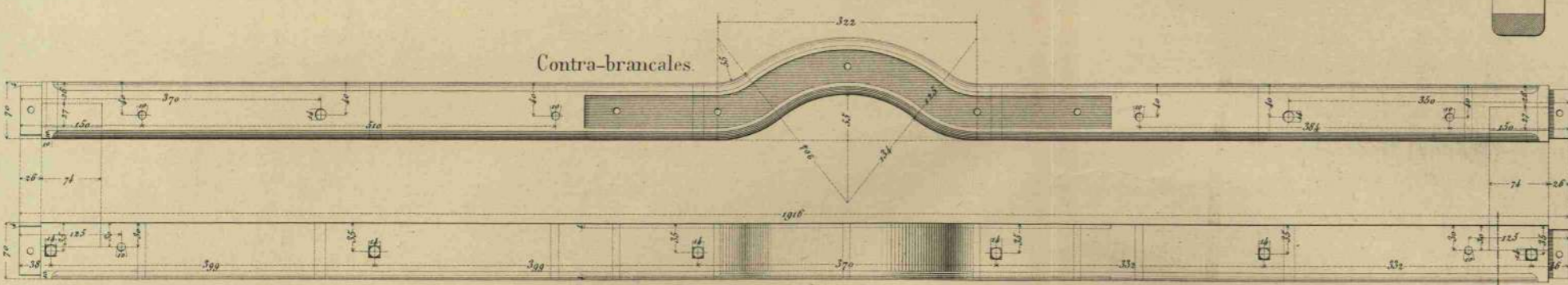
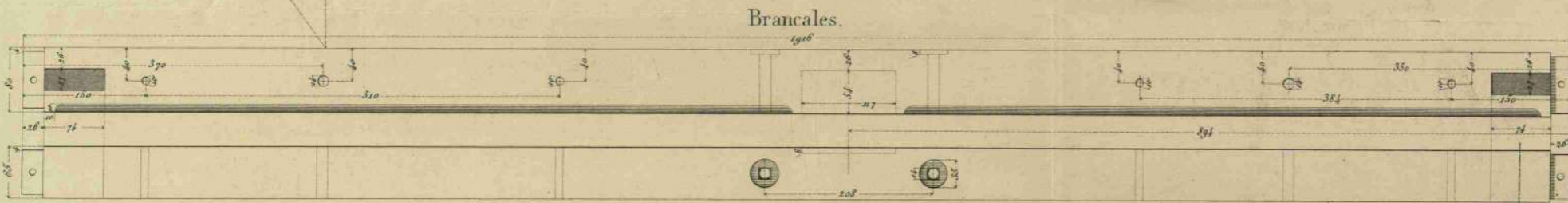
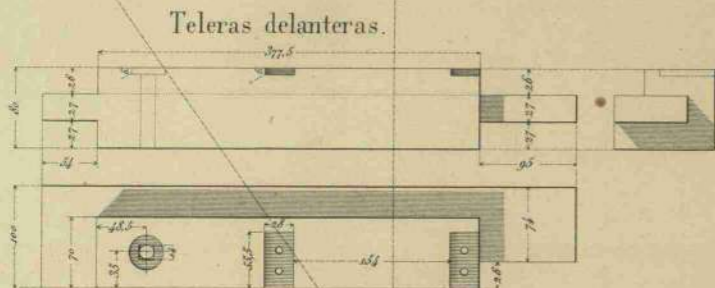
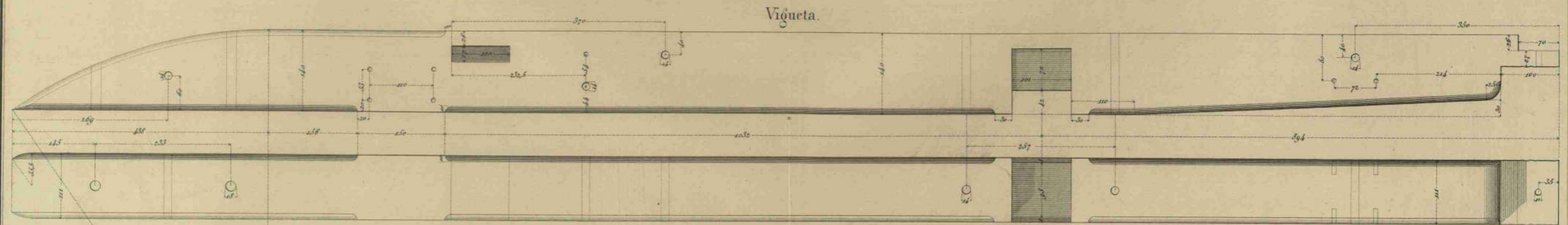


Palanca de fuerza que se conducen en los armaros de carro de municion.

Enero de 1867

MATERIAL DE BATALLA MODELO DE 1863

CARRO DE SECCION.



Escala 1/5.

Todo el material representado en esta lámina es de álamo negro.

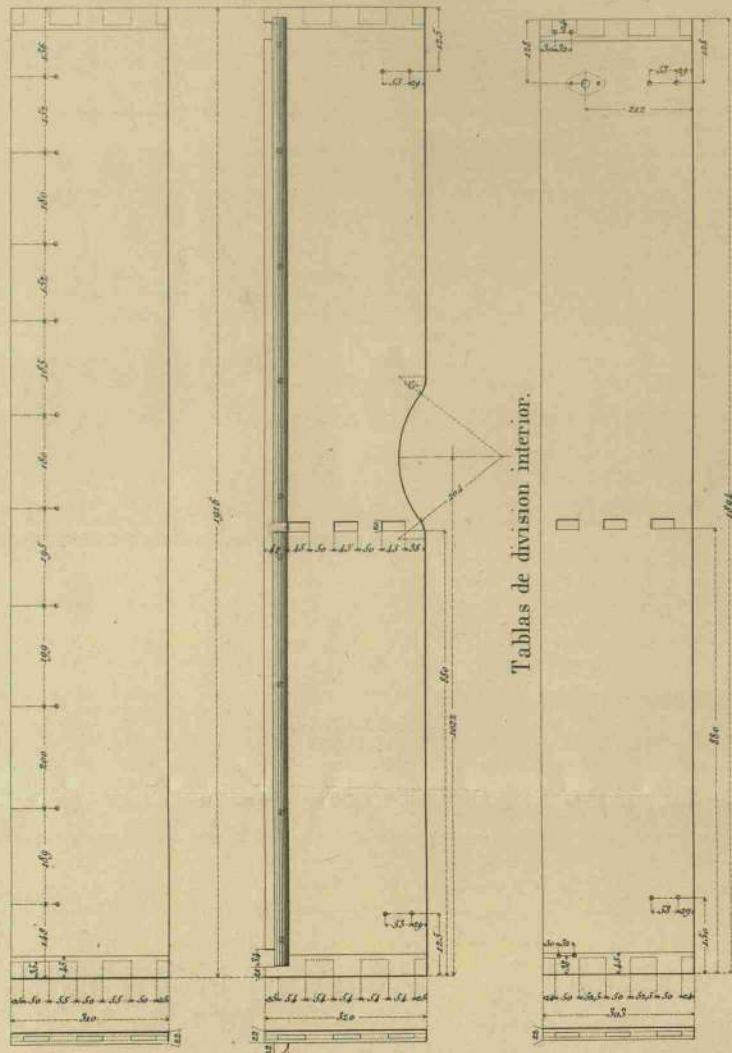
Enero de 1867.

MATERIAL DE BATALLA MODELO DE 1863.

CARRO DE SECCION.

Escala p^a las tablas y el arquillo 1/10 Herraçes 1/5.

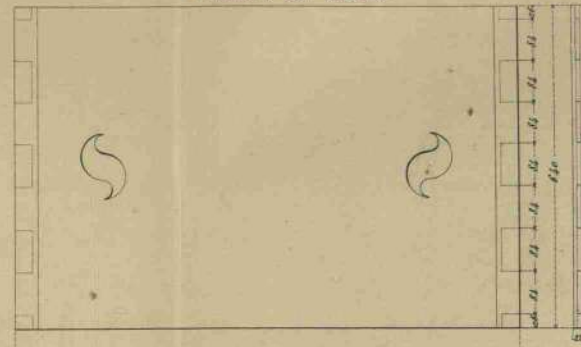
Tablas de los costados.



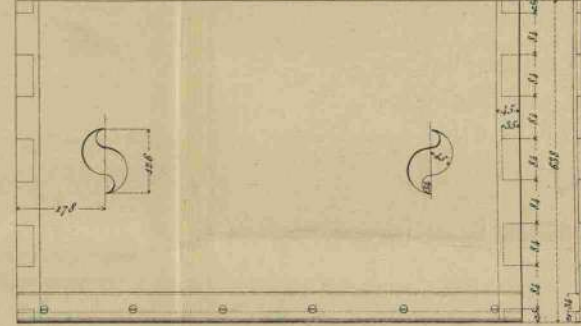
Tablas de fondo.



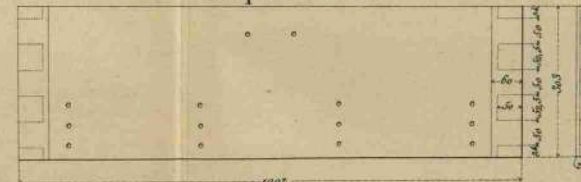
Tablero del centro.



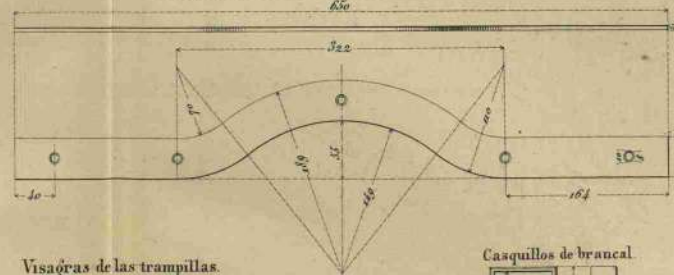
Tableros delantero y trasero.



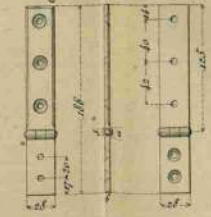
Trampilla trasera.



Chapas de los contra-brancales.



Visagras de las trampillas.



Casquillo de contra-brançal.



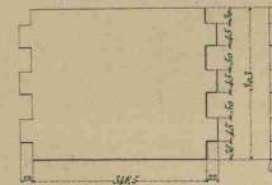
Casquillos de brançal.



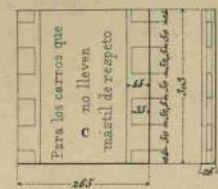
Casquillos de varal.



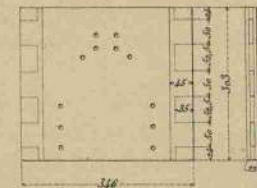
Tabla de subdivision.



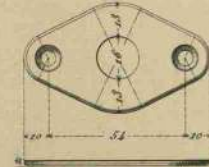
Trampilla movable.



Trampilla delantera.



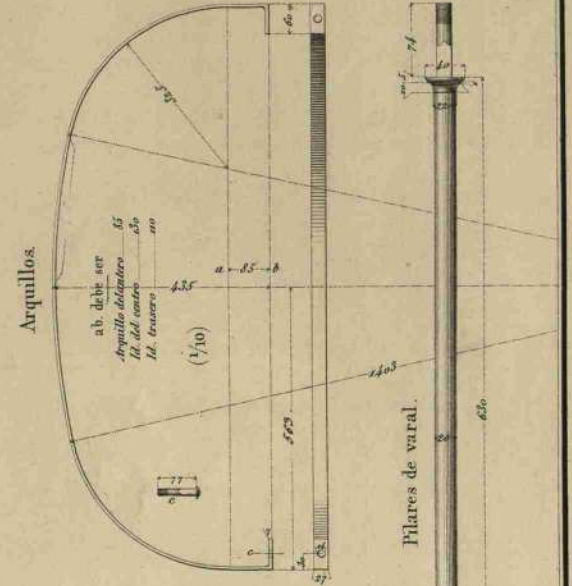
(1/2)



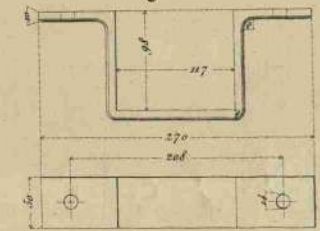
Ovahllos y perno pasador para sujetar el mástil de respeto.



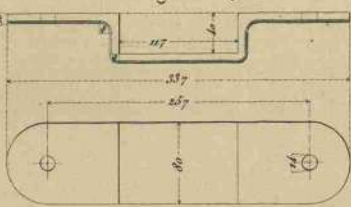
Arquillos.



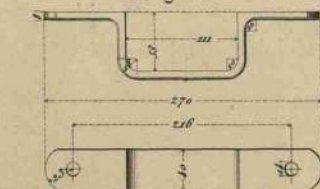
Sotabraça de brançal.



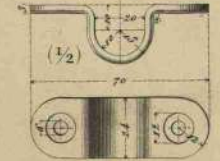
Sotabraça de vigueta.



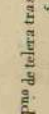
Sotabraça de telera.



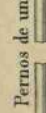
Grapas de varal.



Piso de telera trasera.



Pernos de union.



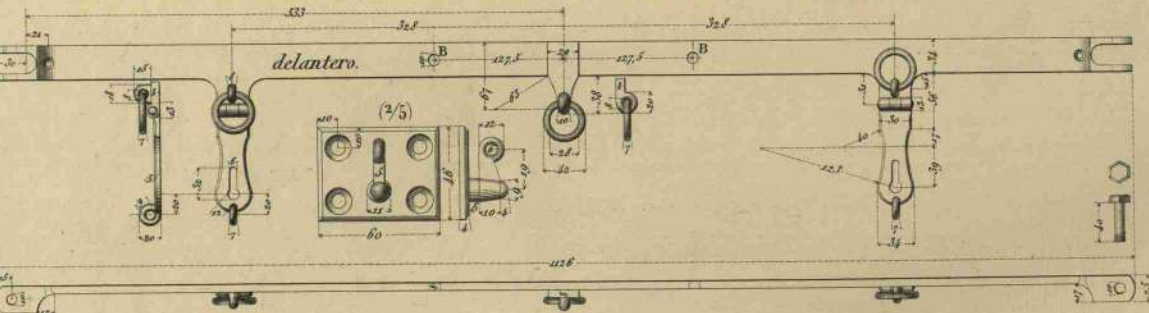
Pernos de union.



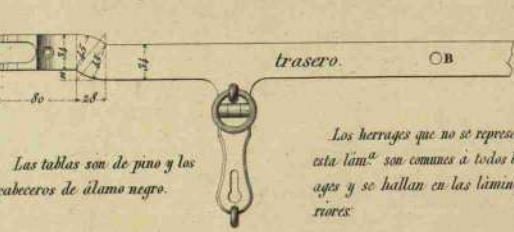
Tubos de Perno de union ó travesia.



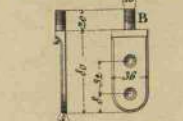
Pilares de varal.



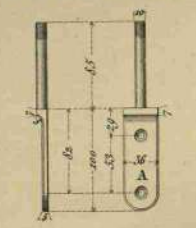
Puentes de sujecion de varal con cerraderos y anillas.



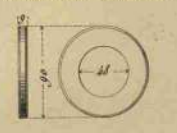
Pernos de sujecion de las tablas de division.



Pernos de sujecion de las tablas de costado.



Volanderas exteriores.



Enero de 1867.

J. Moñes y J. Rodriguez d^o

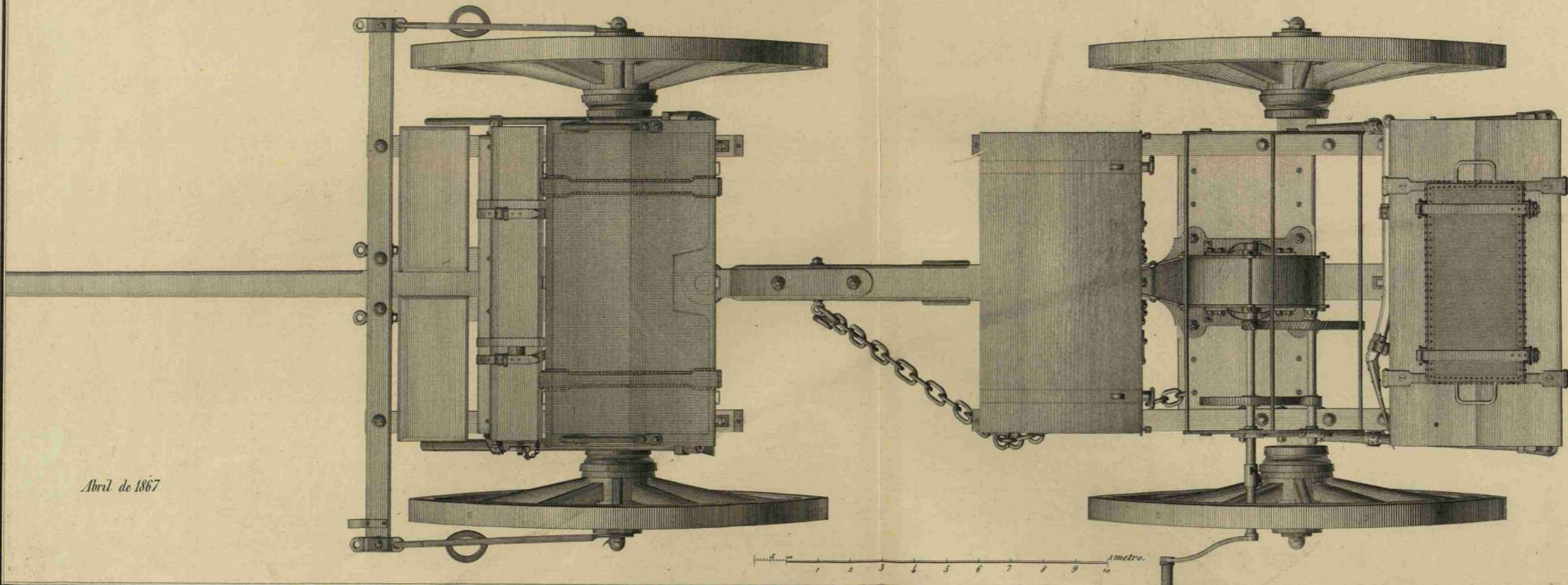
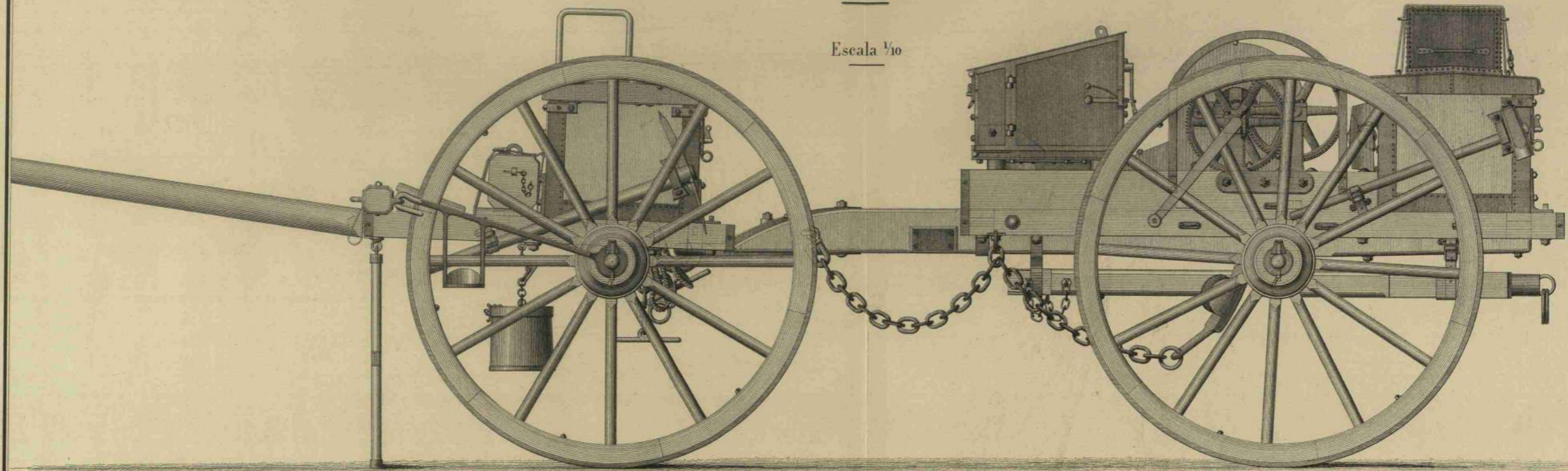
Litoç de la Mza. de Madrid.

J. Moñes y J. Rodriguez d^o

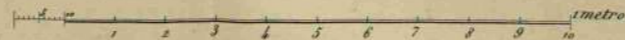
MATERIAL DE BATALLA MODELO DE 1863.

FRAGUA.

Escala $\frac{1}{10}$

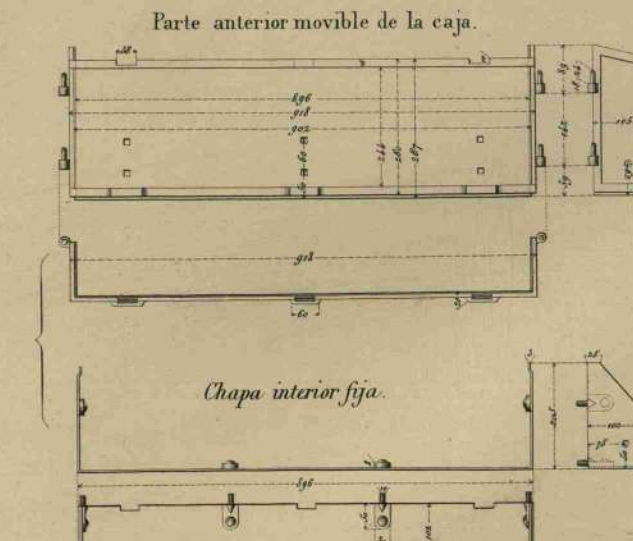
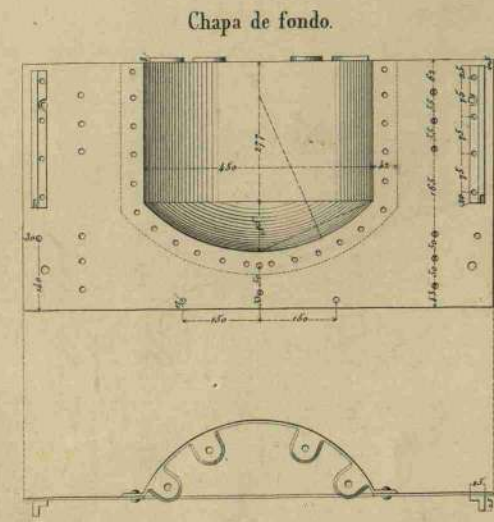
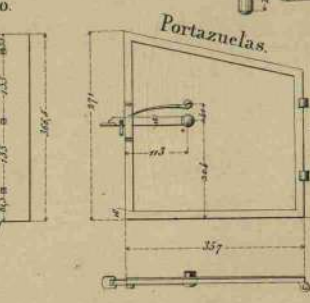
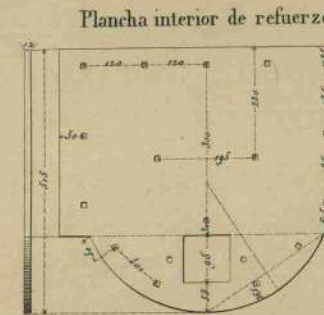
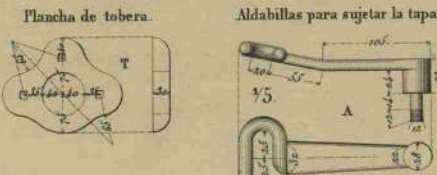
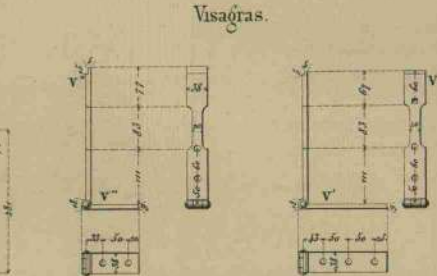
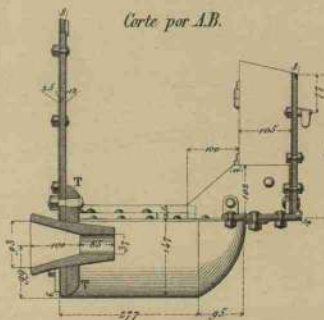
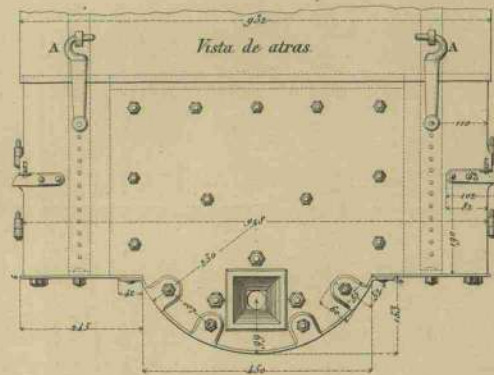
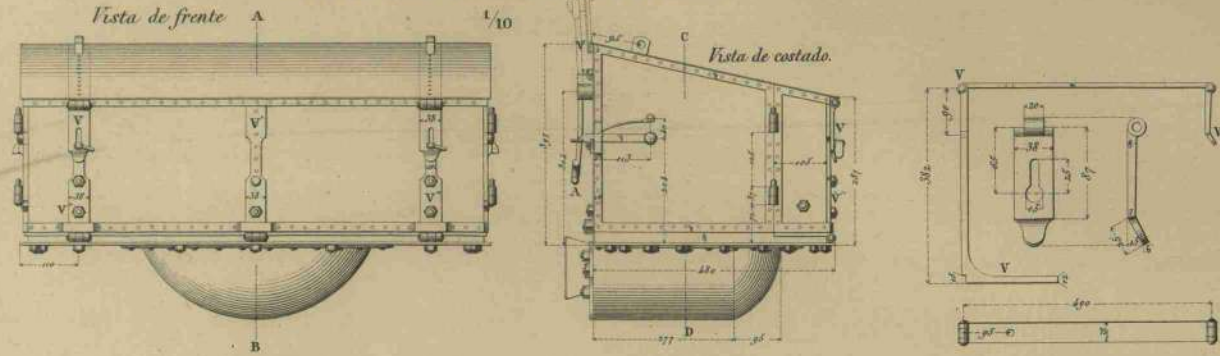


Abril de 1867

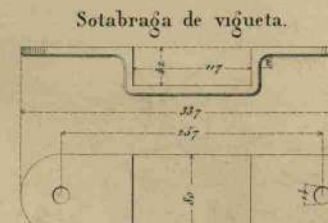
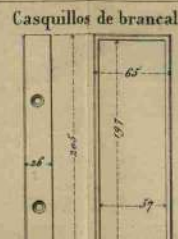
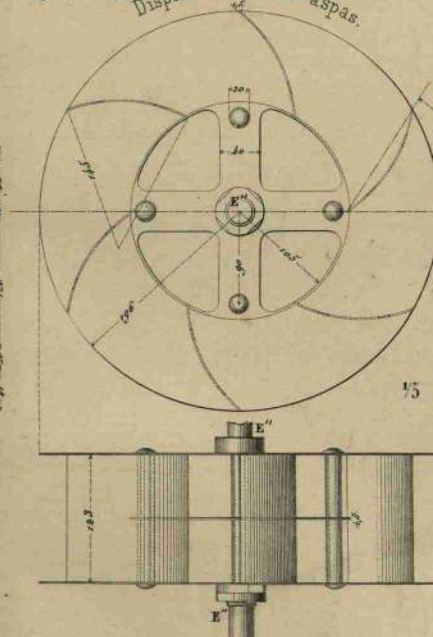
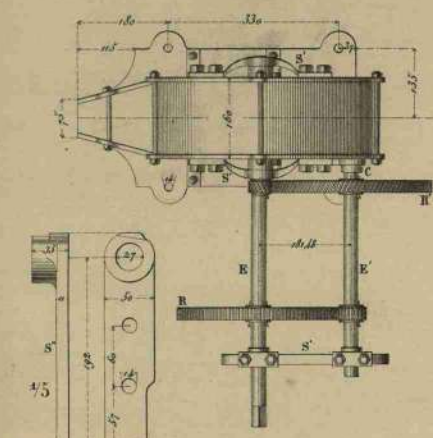
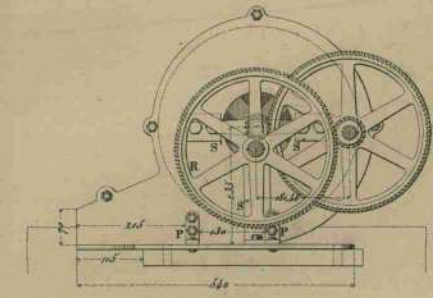


MATERIAL DE BATALLA MODELO DE 1863.

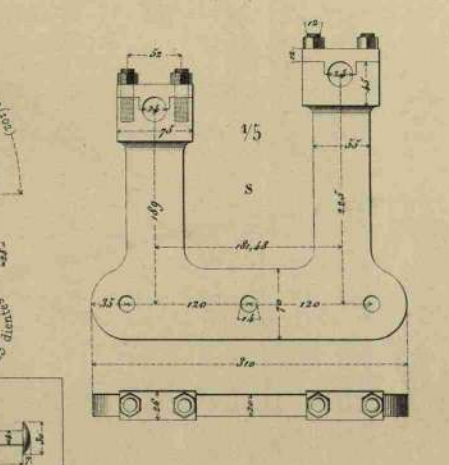
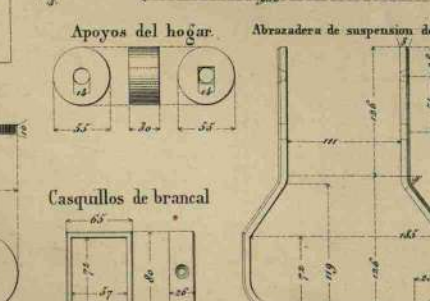
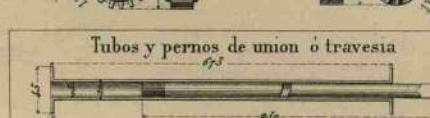
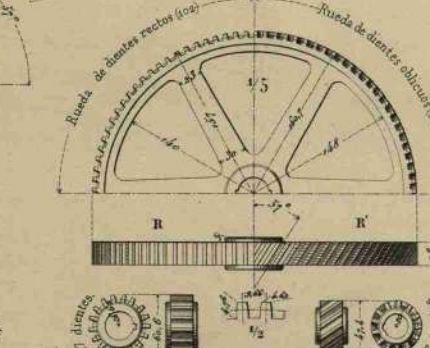
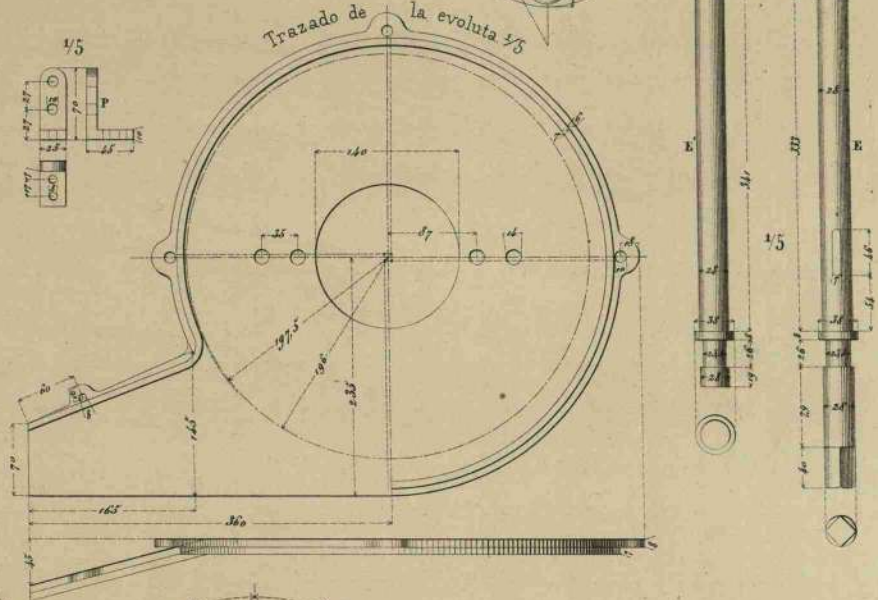
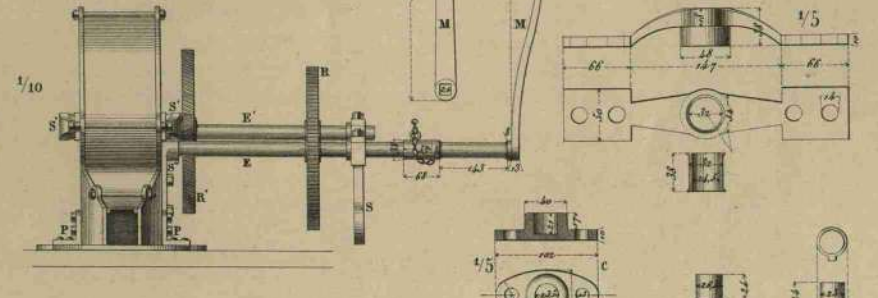
VISTAS DEL HOGAR Y DETALLES.



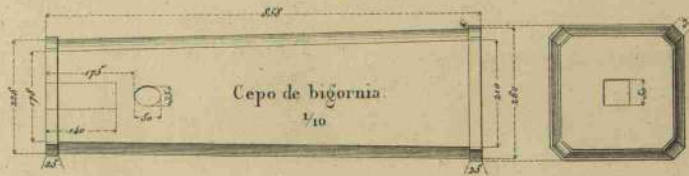
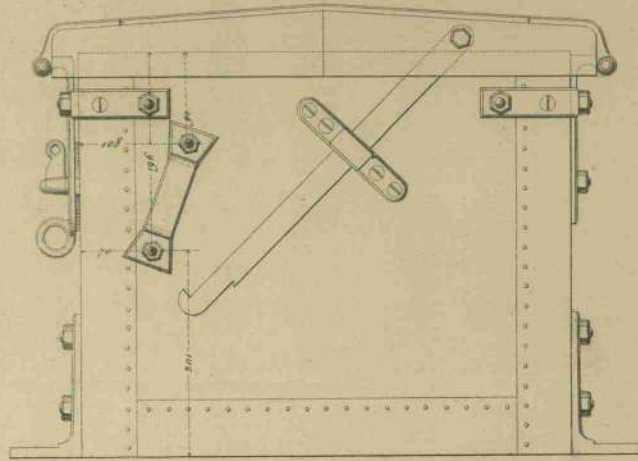
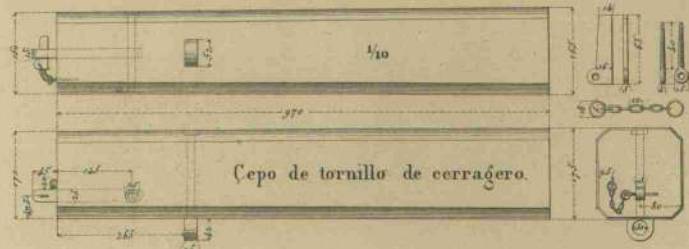
FRAGUA.



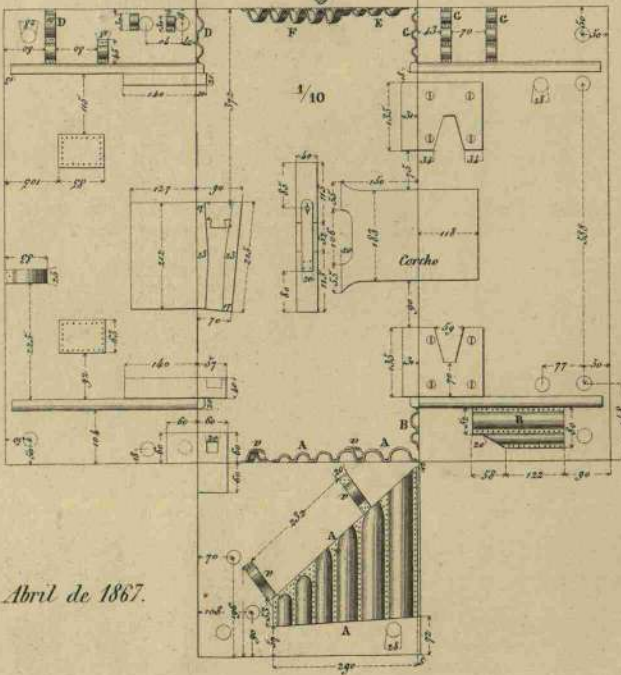
VISTAS DEL VENTILADOR Y DETALLES.



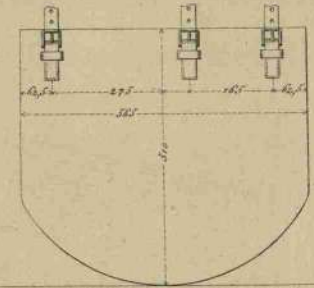
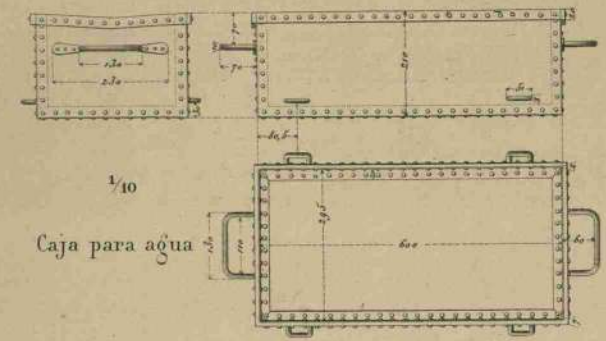
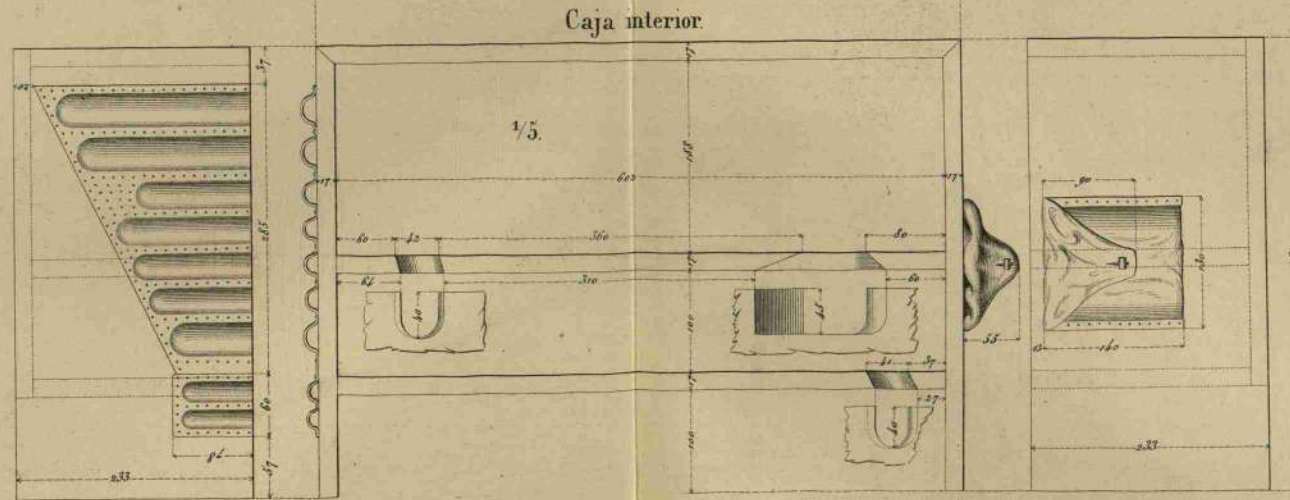
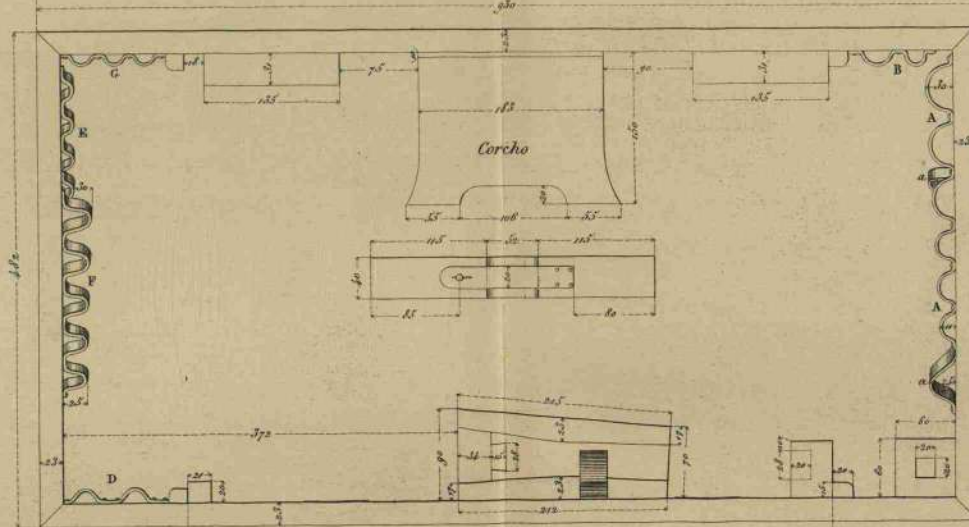
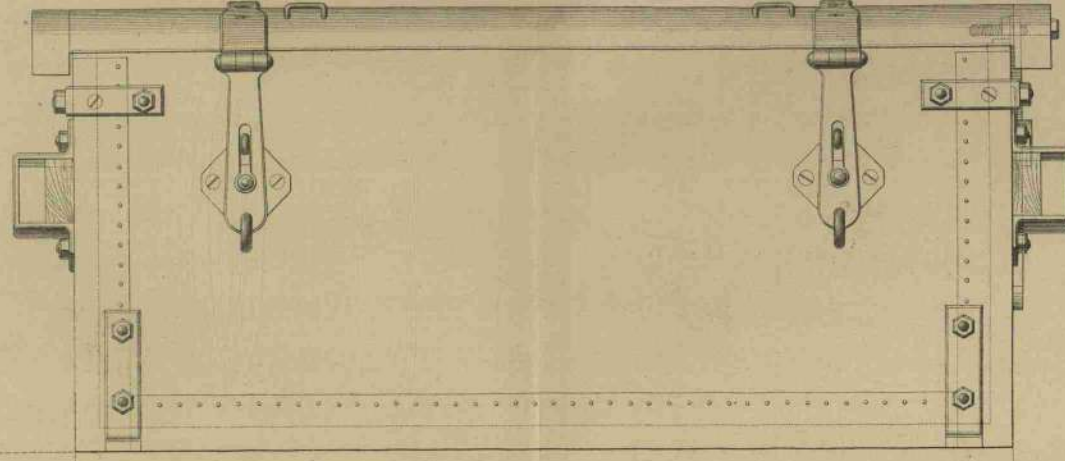
MATERIAL DE BATALLA MODELO DE 1863. FRAGUA.



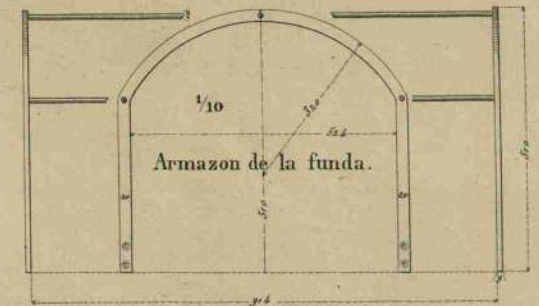
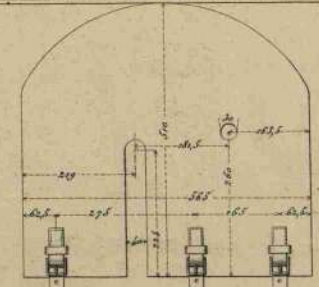
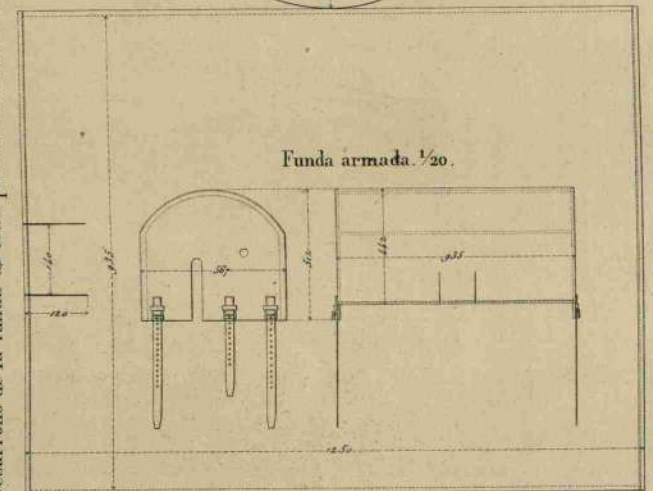
Desarrollo de la parte interior de la caja para herramientas.



Caja para herramientas. $\frac{1}{5}$



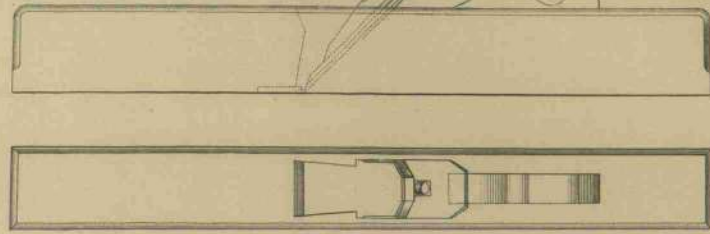
Desarrollo de la funda de lona para el ventilador. $\frac{1}{10}$



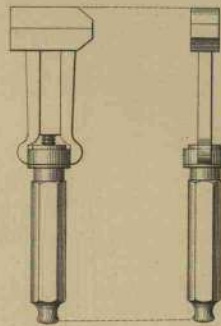
MATERIAL DE BATALLA MODELO DE 1863.

HERRAMIENTAS DE CARPINTERO-CARRETERO.

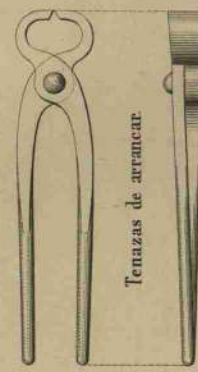
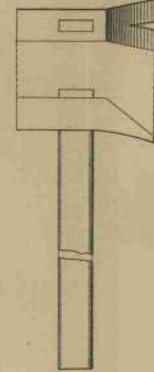
Garlopa con hierro de dos hojas



Llave para tuercas



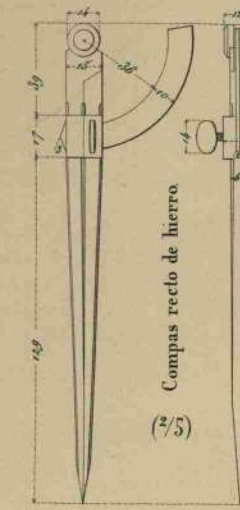
Martillo de orejas



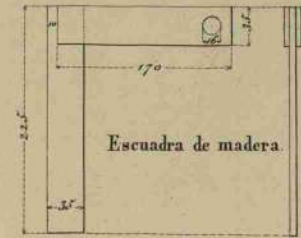
Tenazas de arrancar



Botadores.

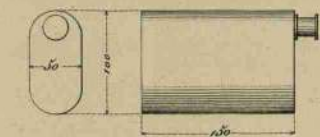


Compas recto de hierro (2/5)



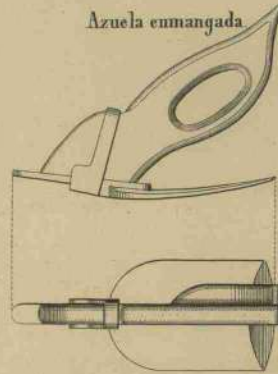
Escuadra de madera.

Bote para aceite comun.

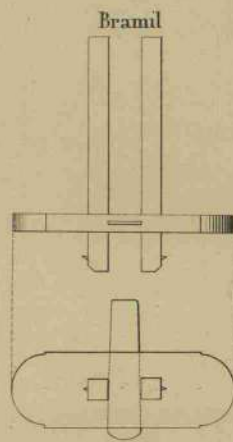


Cepillo con hierro de una hoja

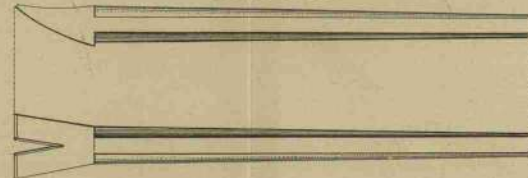
Azuela emangada



Bramil



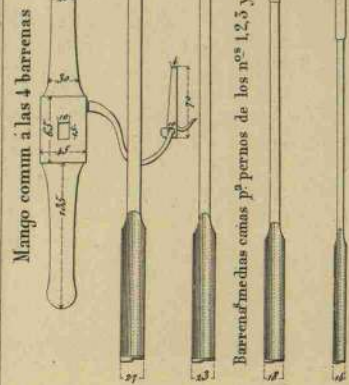
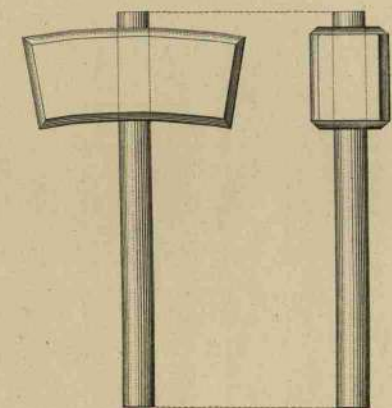
Pie de cabra



Serrucho de costilla



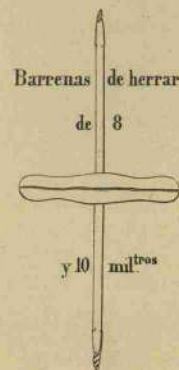
Mazo.



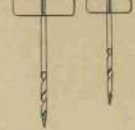
Mango comun a las 4 barrenas

Barrenas de mano con 1º, 2º, 3º y 4º pernos de los n.ºs 1, 2, 3 y 4.

Barrenas de herrar de 8 y 10 mil^lros



Barrenas de mano



Cortatruos



Lima basta triangular



Escofina



Lima basta media caña



Gubias de espiga



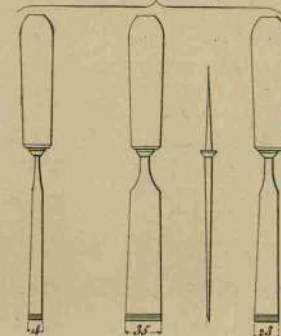
Destornillador.



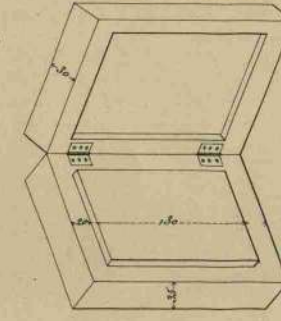
Formones de cubo



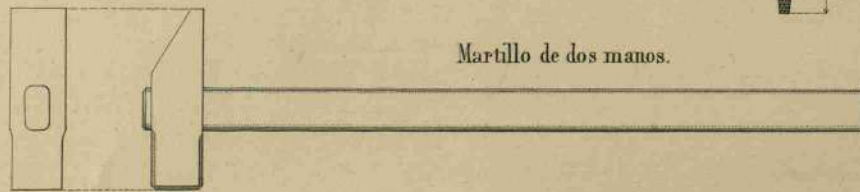
Formones de espiga



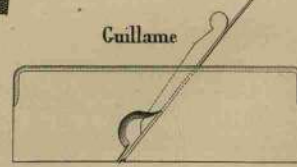
Piedra de sentar filos



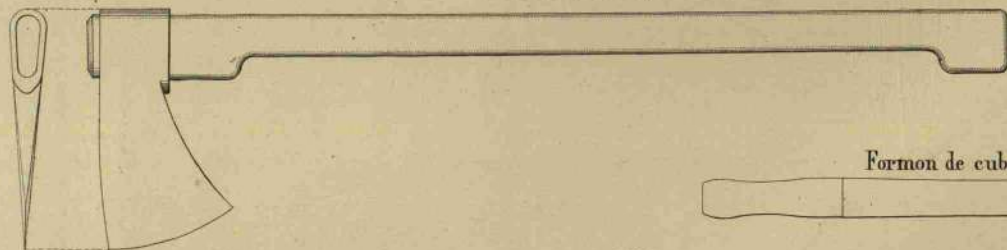
Martillo de dos manos.



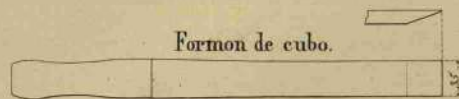
Cuillame



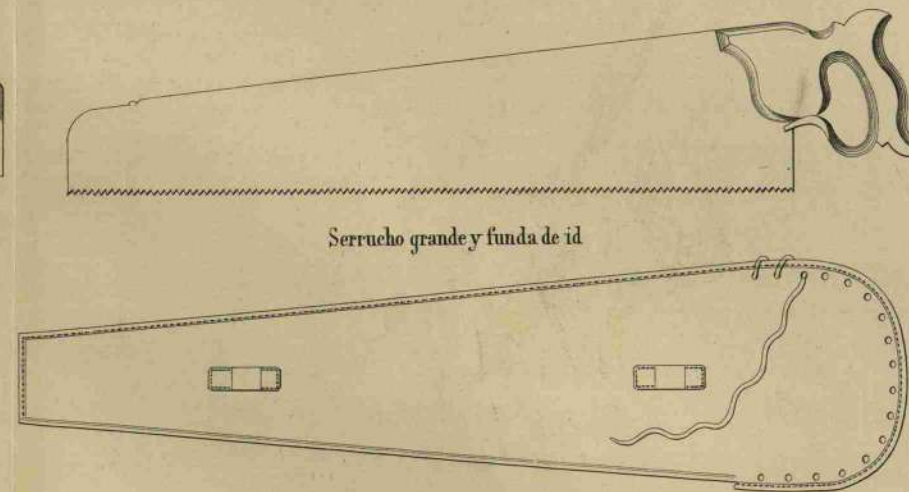
Hacha de dos manos.



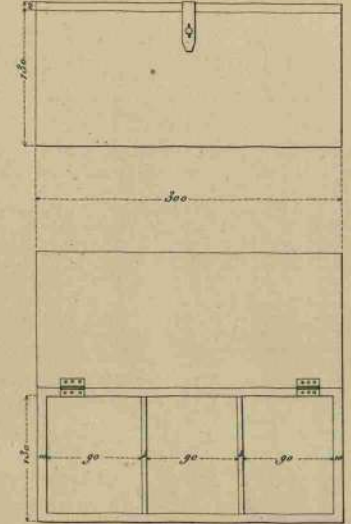
Formon de cubo.



Serrucho grande y funda de id



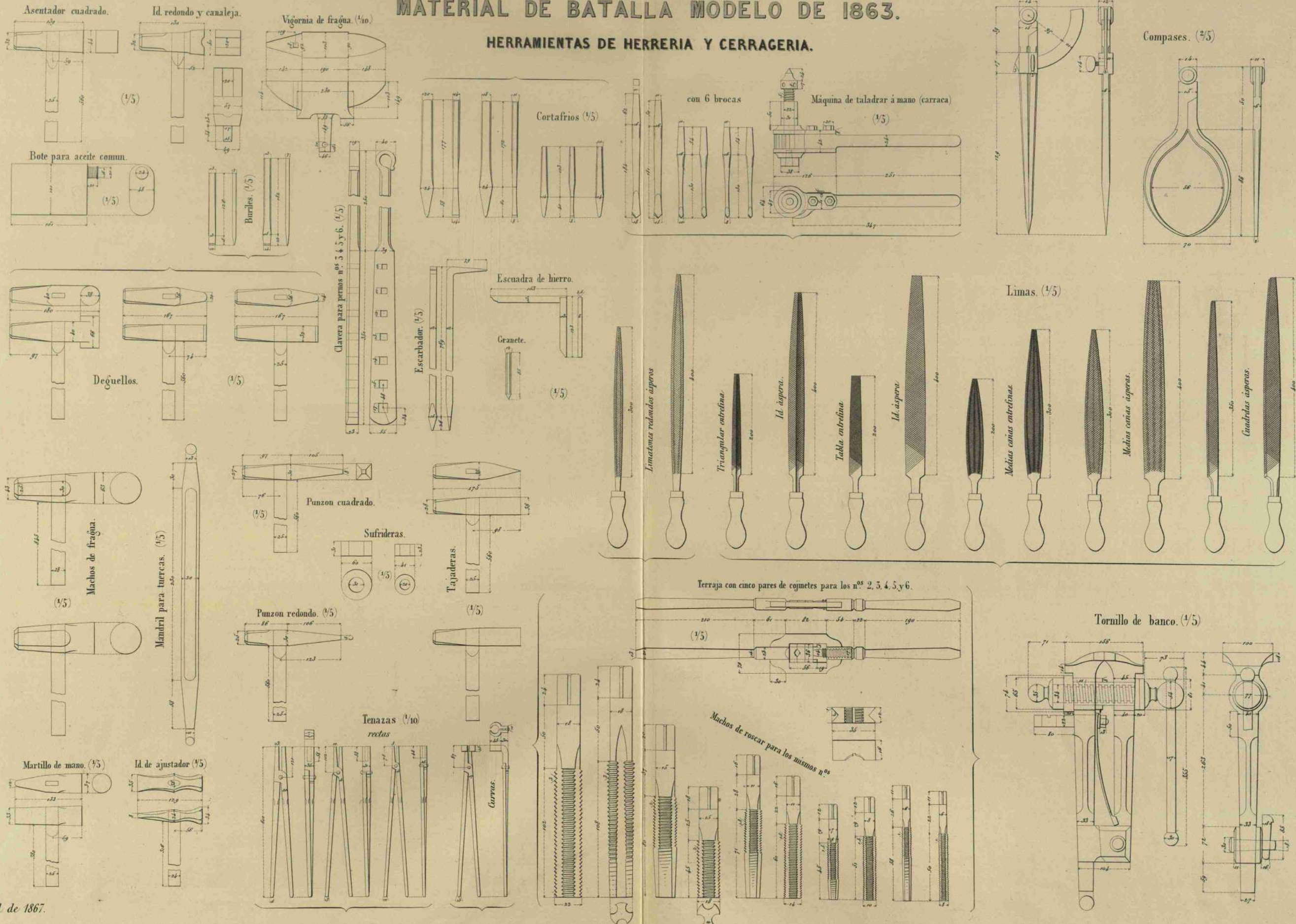
Cajita para tornillos de madera y puntas de Paris



Escala General 1/5

Circulada en de 1863.

MATERIAL DE BATALLA MODELO DE 1863. HERRAMIENTAS DE HERRERIA Y CERRAGERIA.



Abril de 1867.

Dibujado por el Sargento Ant.º Cela.

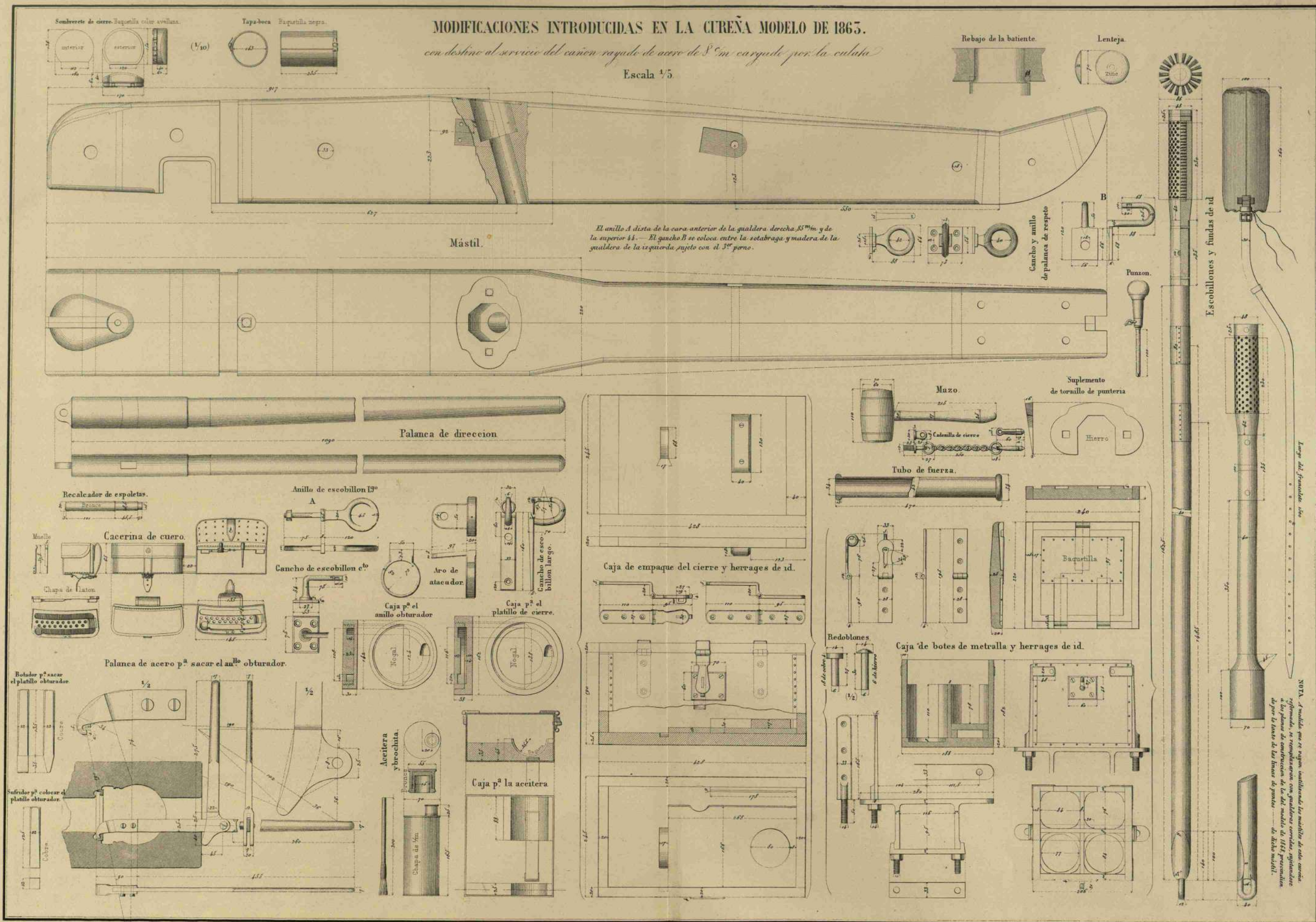
Litog. del Parque de Madrid.

P. J. Gasset.

MODIFICACIONES INTRODUCIDAS EN LA CUREÑA MODELO DE 1865.

con destino al servicio del cañón rayado de acero de 8^{ma} cargado por la culata

Escala 1/5.

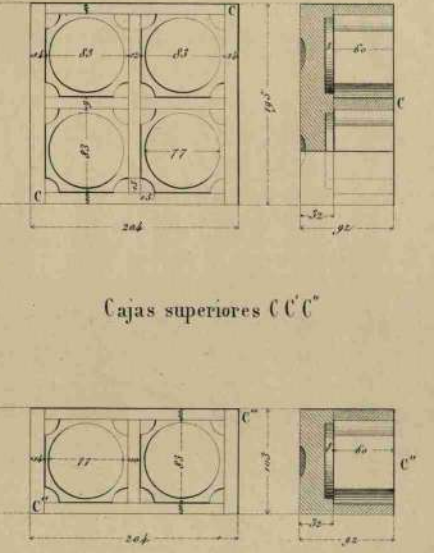
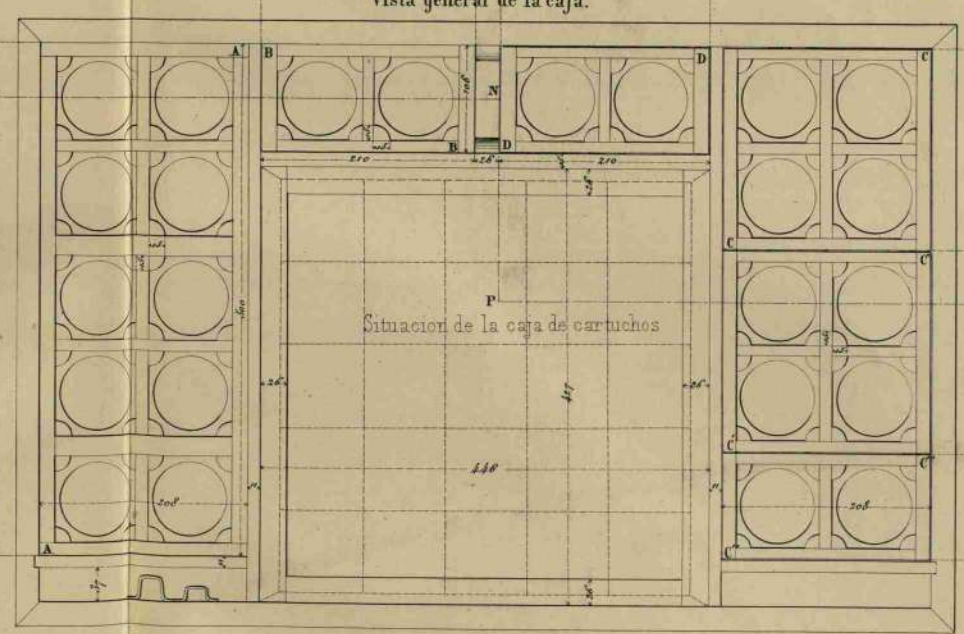
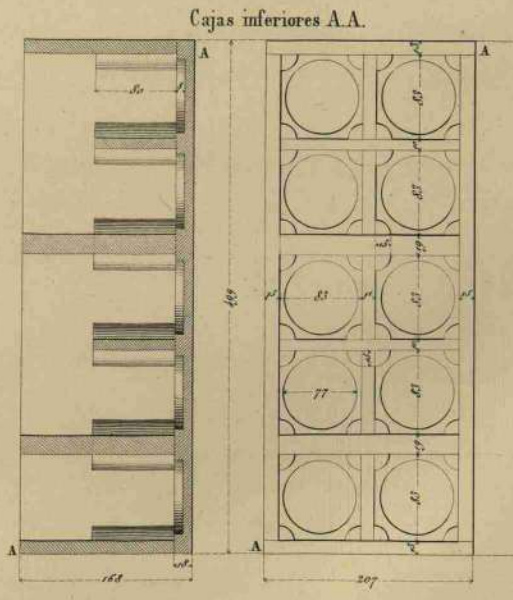
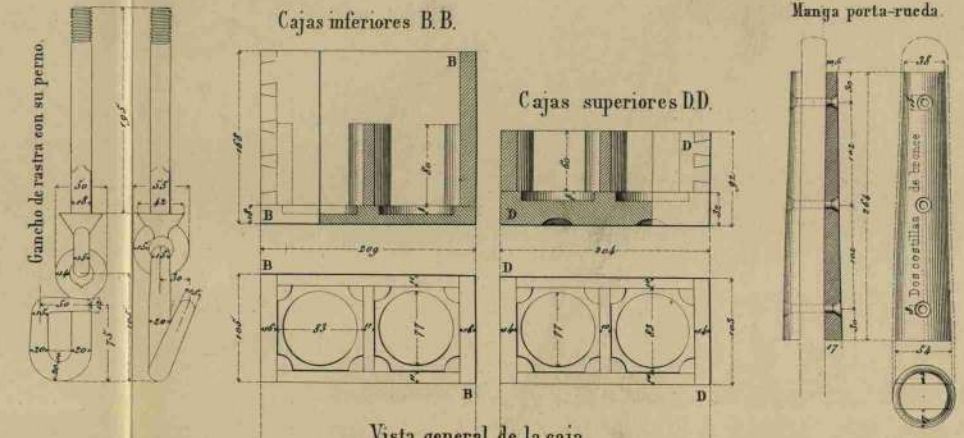
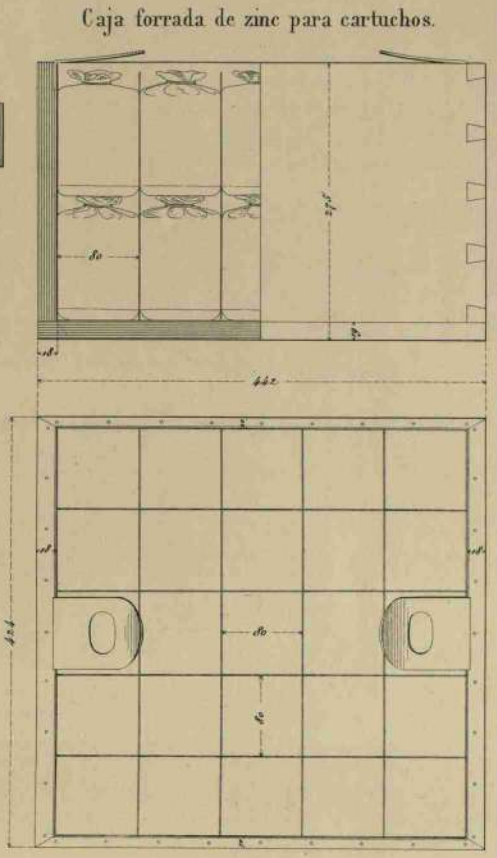
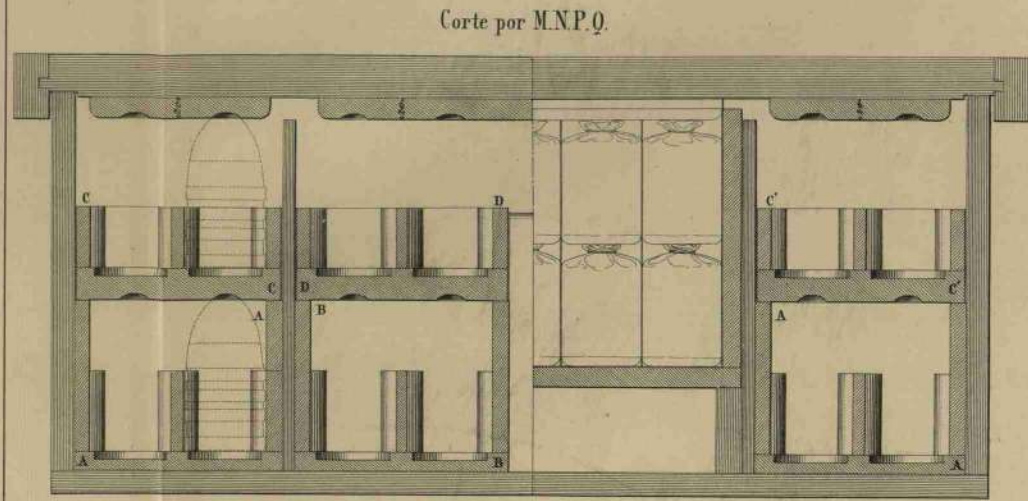
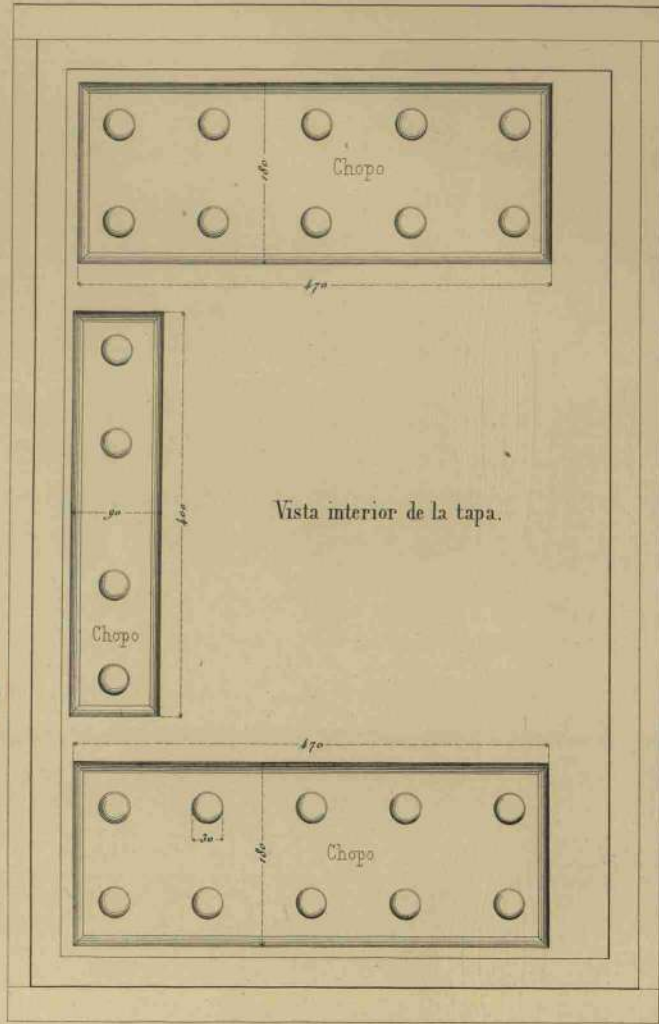
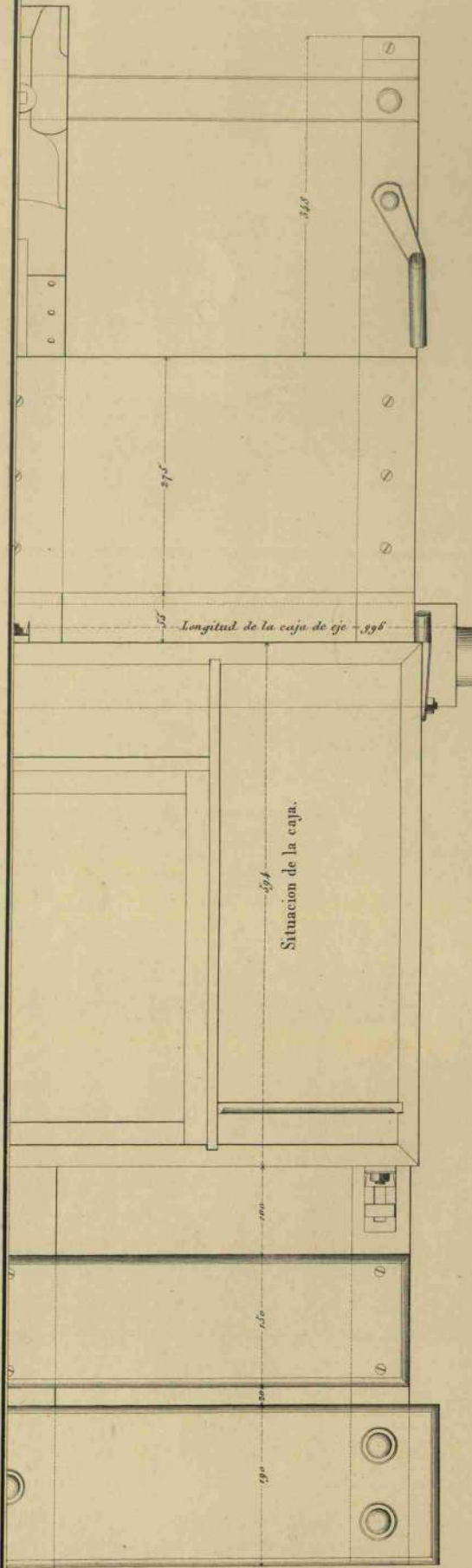


El anillo A dista de la cara anterior de la gualdera derecha 85^{mm} y de la superior 44. — El gancho B se coloca entre la sotabraga y madera de la gualdera de la izquierda sujeto con el 3^{er} perno.

NOTA: El modelo que se sigue, sustituyendo las medidas de este anterior, se recomienda con gualderas conchas, aplicándose los pernos de empunadura de la del modelo de 1865, presentando de por sí tanto de las masas de puntas de dicho modelo.

MODIFICACIONES INTRODUCIDAS EN EL CARRO DE MUNICIONES MODELO DE 1865

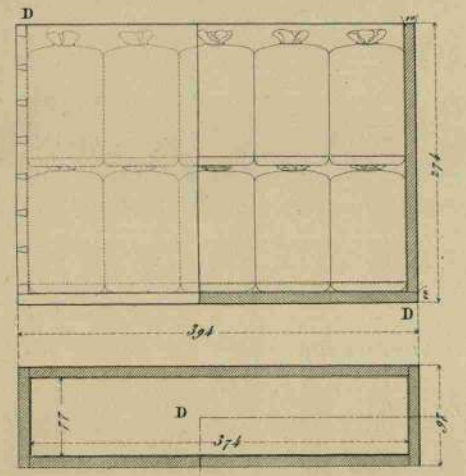
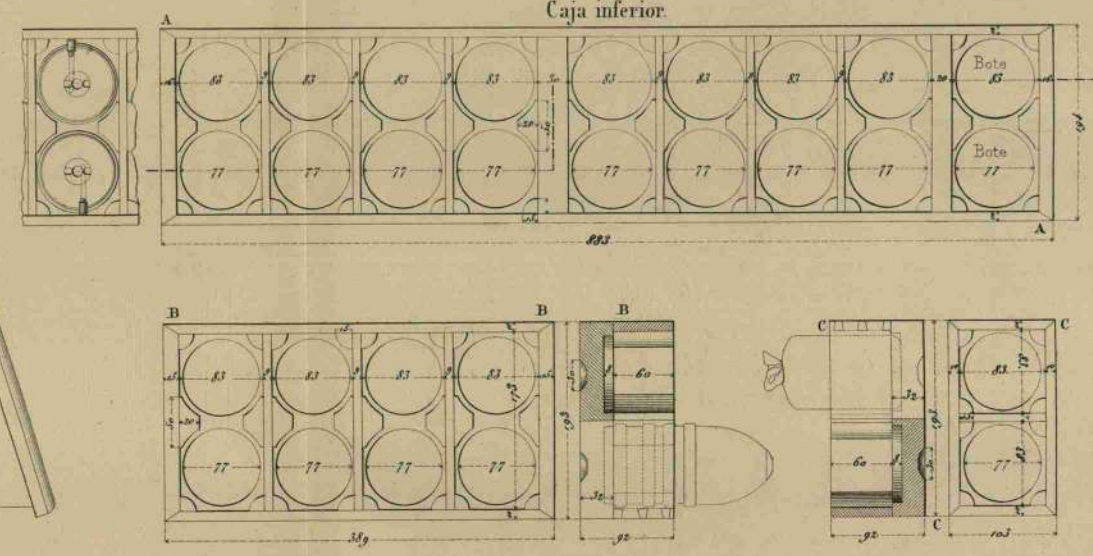
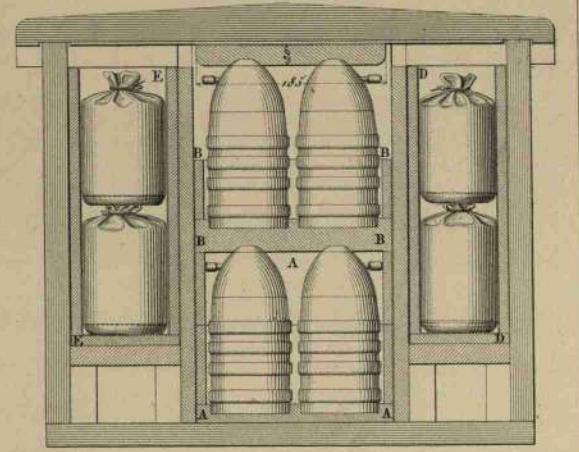
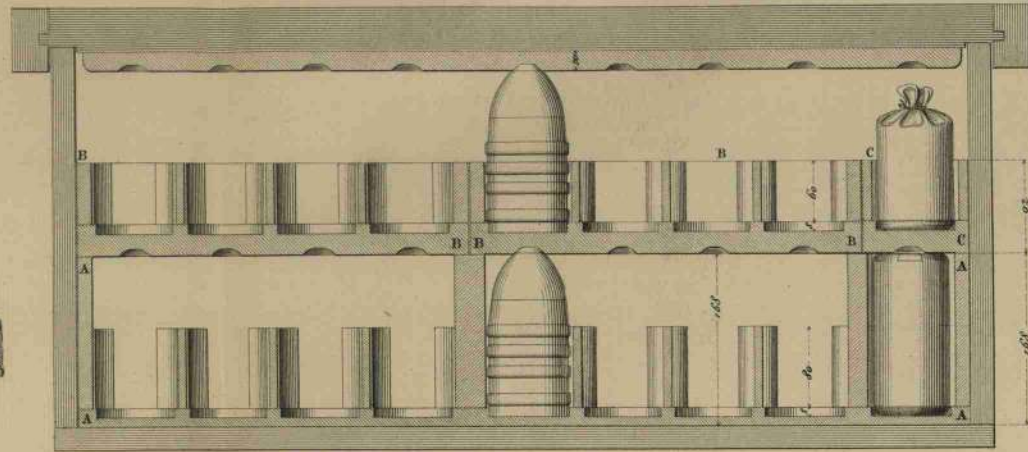
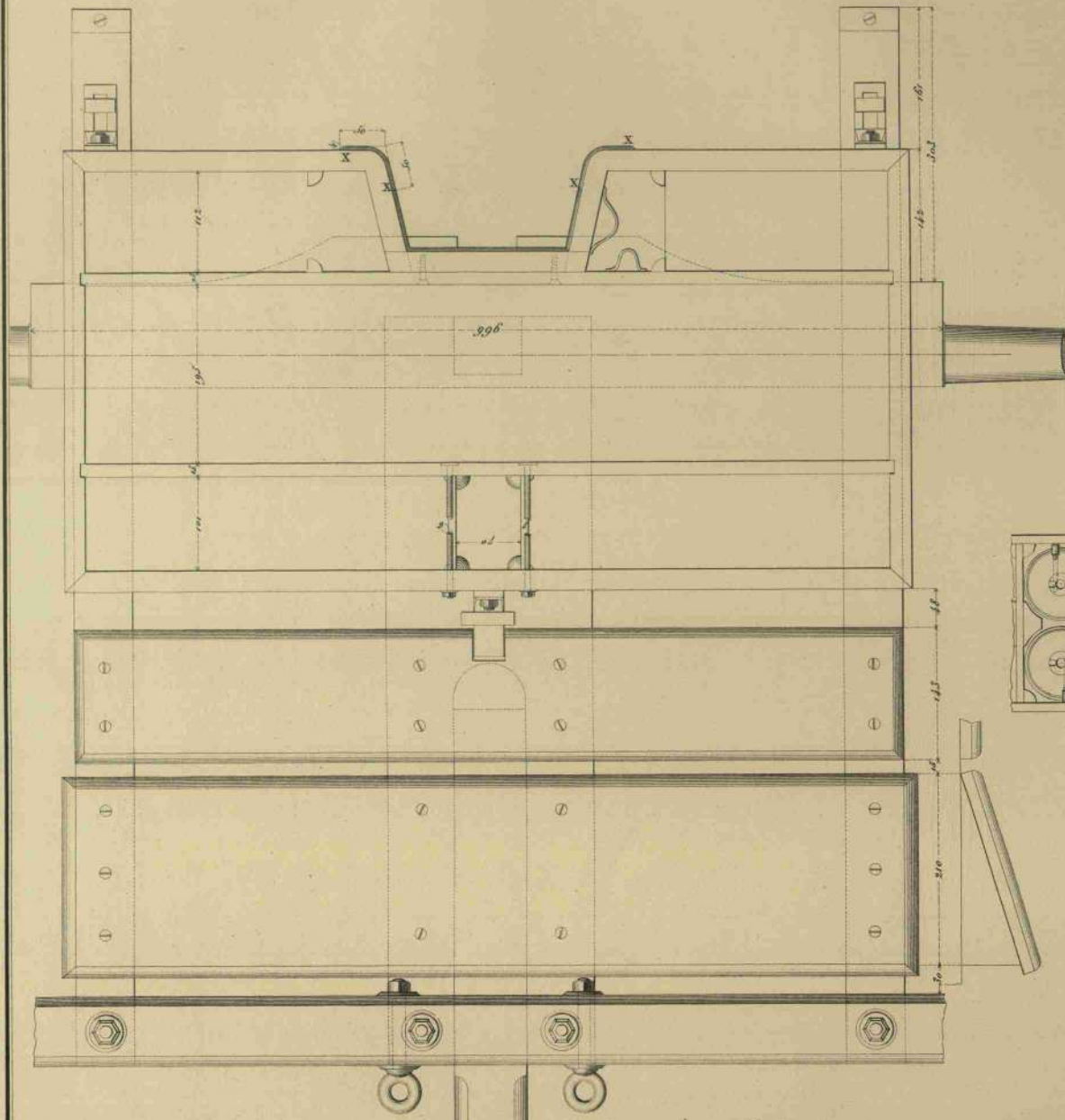
con destino al servicio del cañon rayado de acero de 8^{ma} cargado por la culata



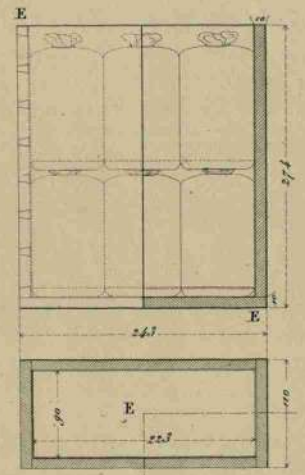
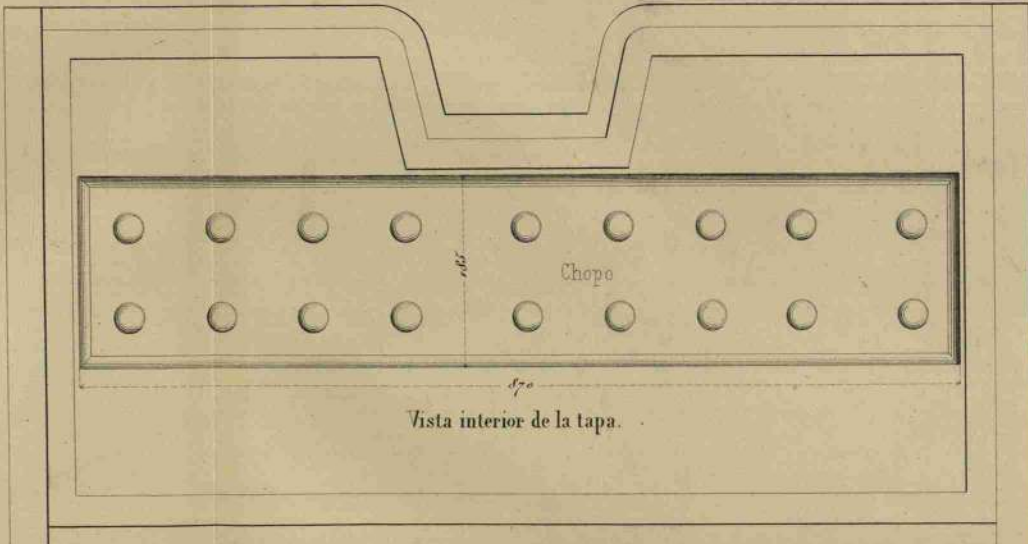
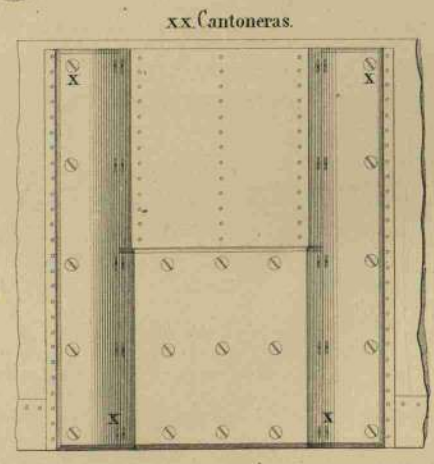
Escala 1/5

MODIFICACIONES INTRODUCIDAS EN EL ARMON MODELO DE 1865

con destino al servicio del cañon rayado de acero de 8^{va} cargado por la culata

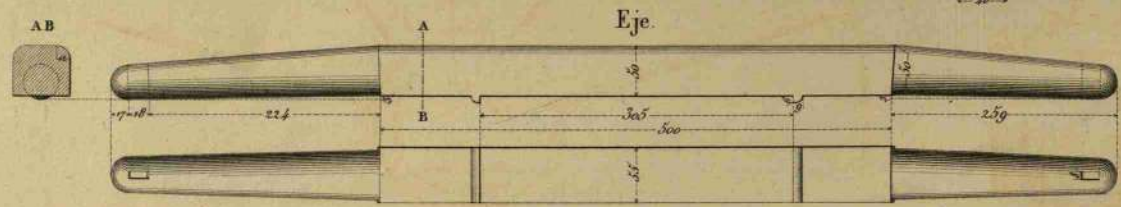
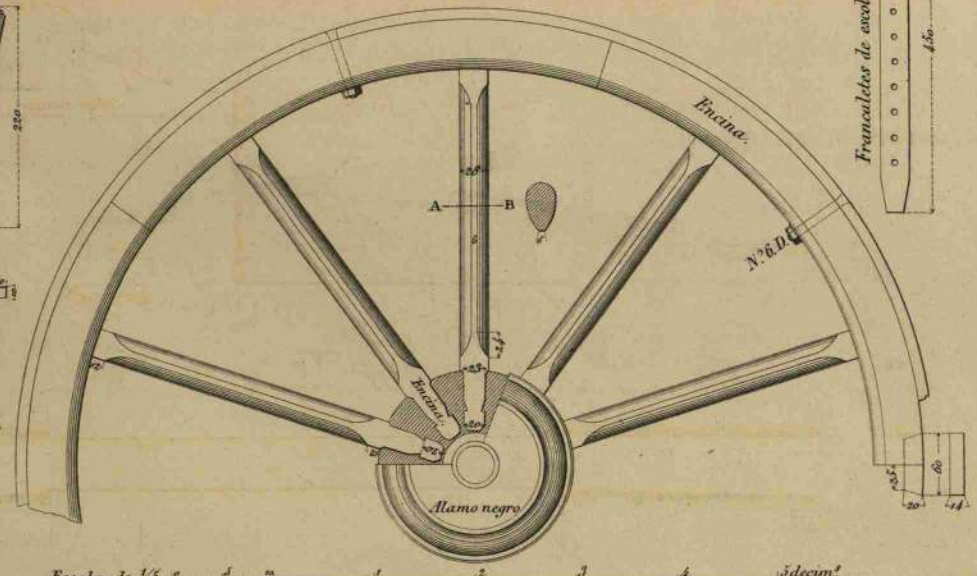
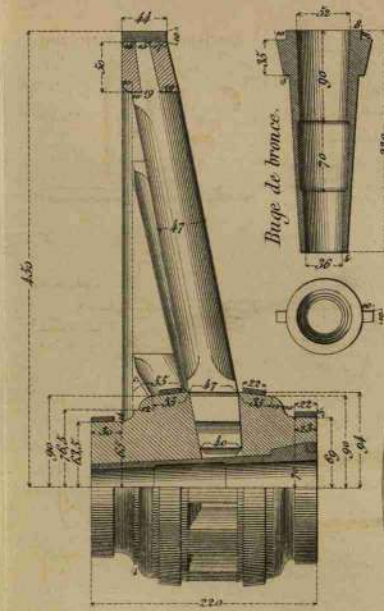
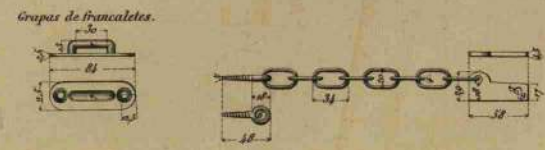
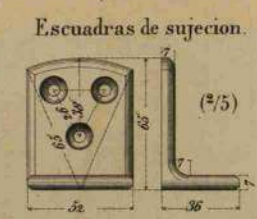
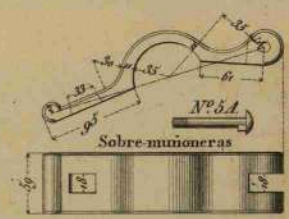
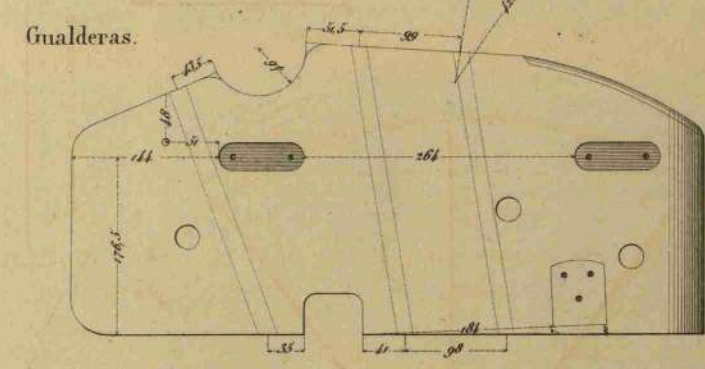
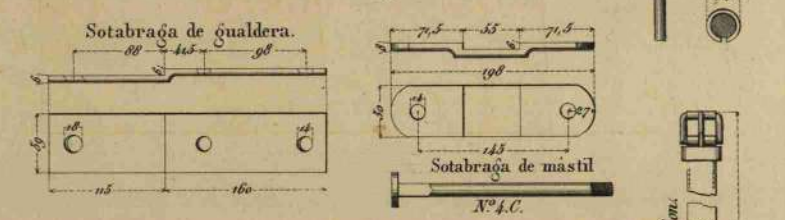
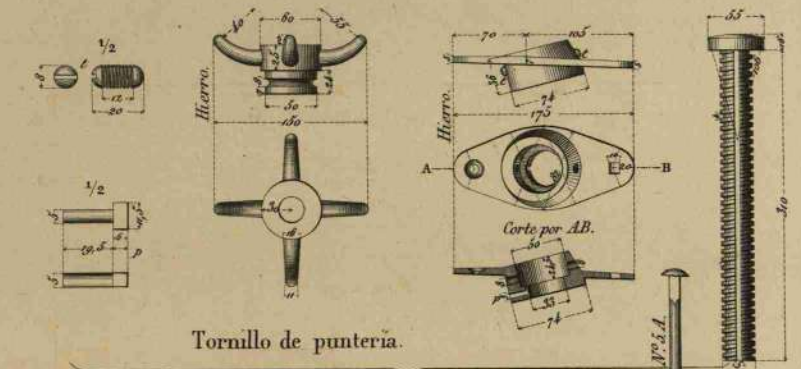
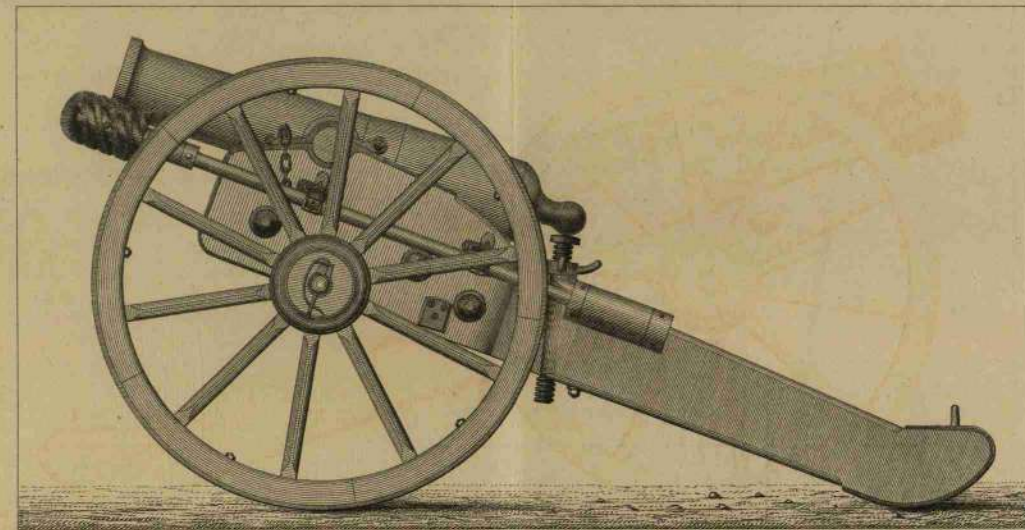
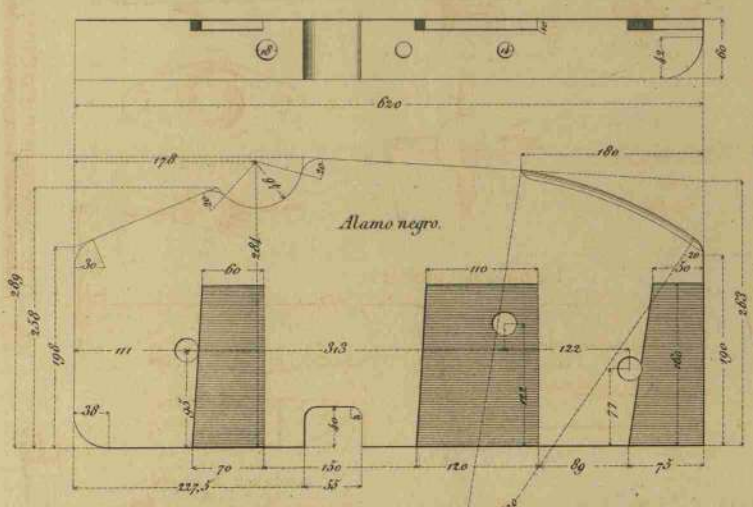
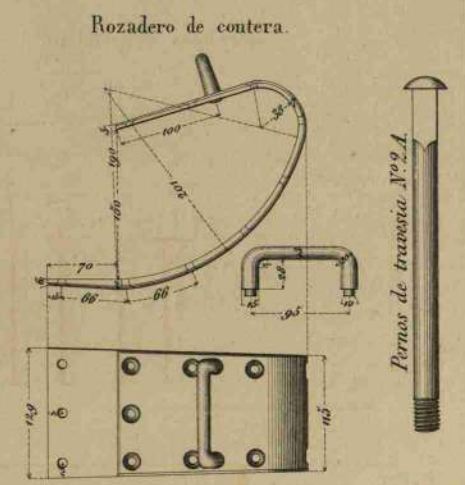
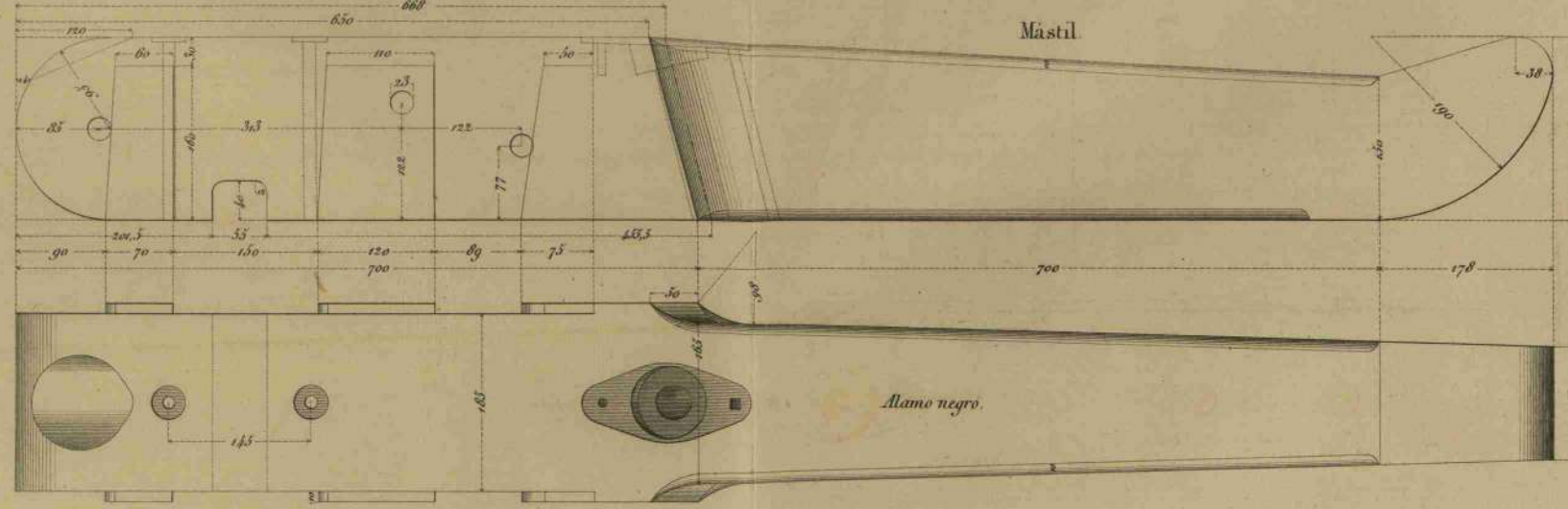
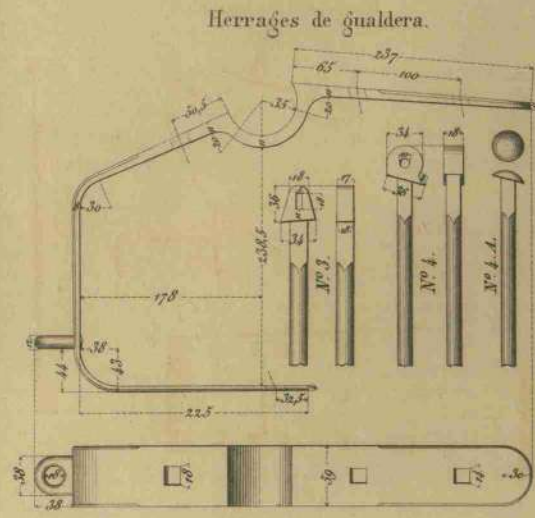


1^ª Todos los fondos y cabeceros de las cajas de empaque de proyectiles son de alamo negro. El resto de las cajas es de pino.
 2^ª Las cajas de empaque de cartuchos son de pino forradas de zinc del n.º 11.



MATERIAL DE MONTAÑA DE 8^c/M MODELO DE 1863.

Escala 1/5.



Diciembre de 1865.

Jose Mator d.

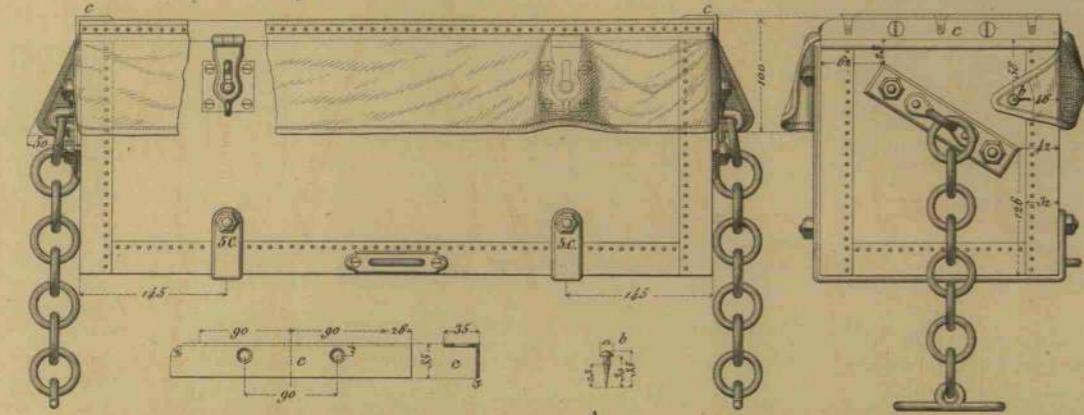
Art^a Lito^a del taller de precision.

P. J. Corral y

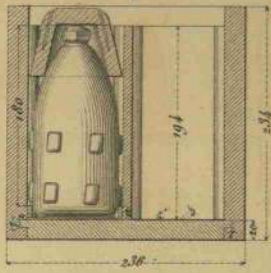
L. Molina 82

MATERIAL DE MONTAÑA DE 8^C/M MODELO DE 1863.

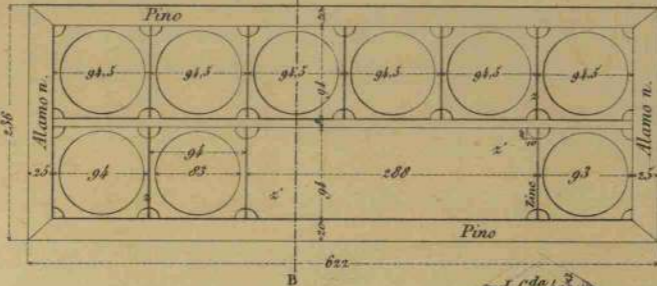
Caja de municiones.



Corte por A.B.

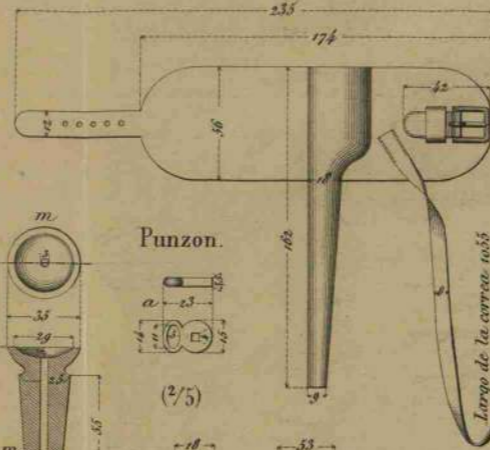


Vista horizontal

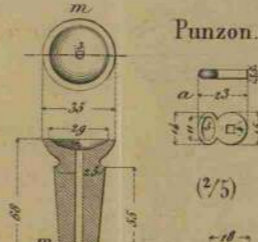


CAJA DE MUNICIONES Y JUEGOS DE ARMAS.

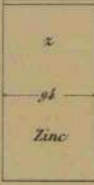
Escala 1/5



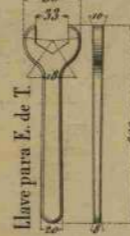
Punzon.



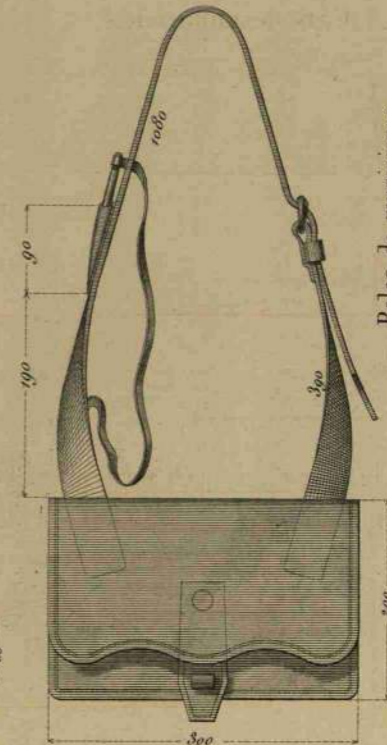
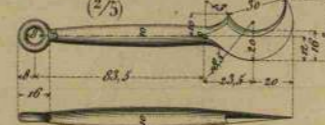
Divisiones.



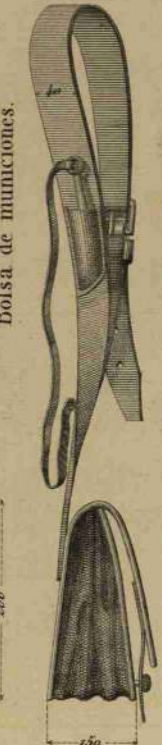
Llave para E. de T.



Cuchillo para E. de T.



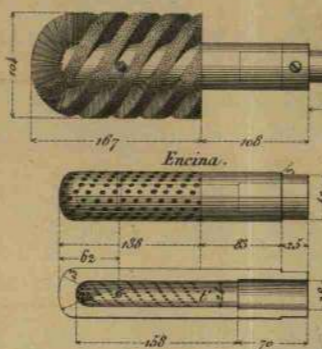
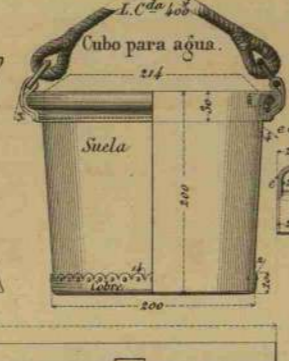
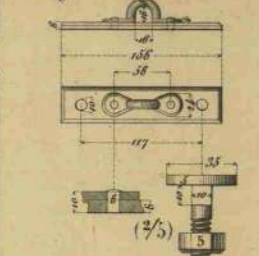
Bolsa de municiones.



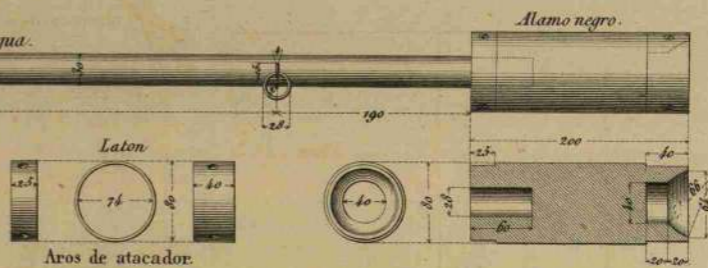
Tirante de mano.



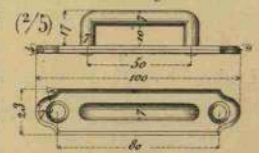
Herrajes de las cadenas.



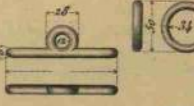
Escobillon.



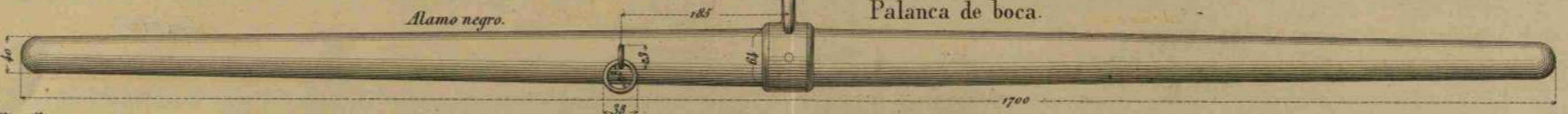
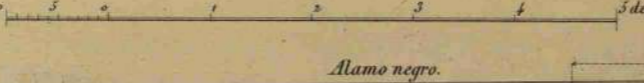
Grapa de sujecion.



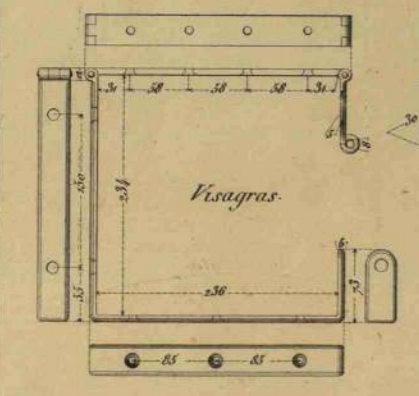
H. de las cadenas.



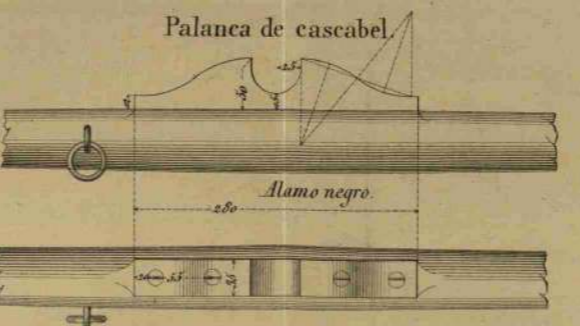
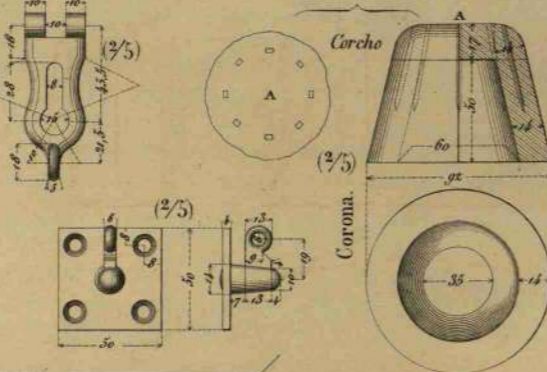
Escala de 1/5



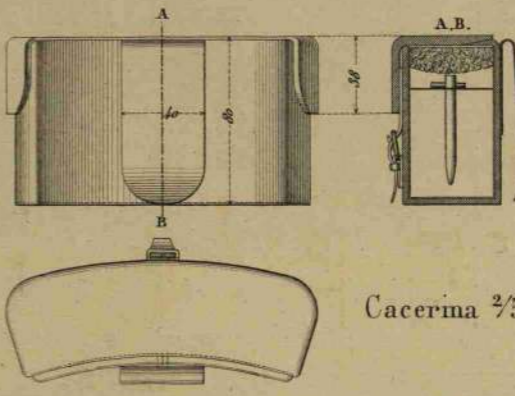
Palanca de boca.



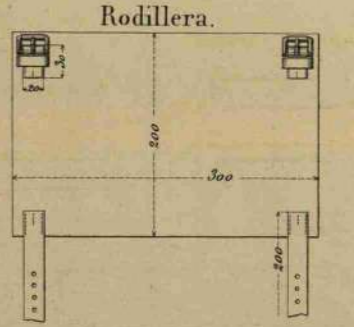
Visagras.



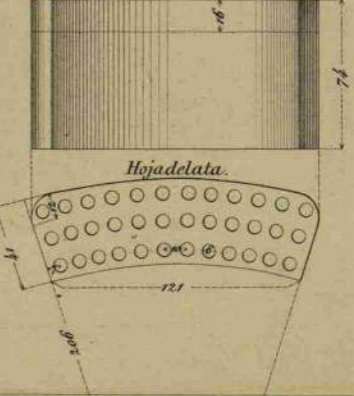
Palanca de cascabel.



Cacerina 2/5



Rodillera.



Hojalata.

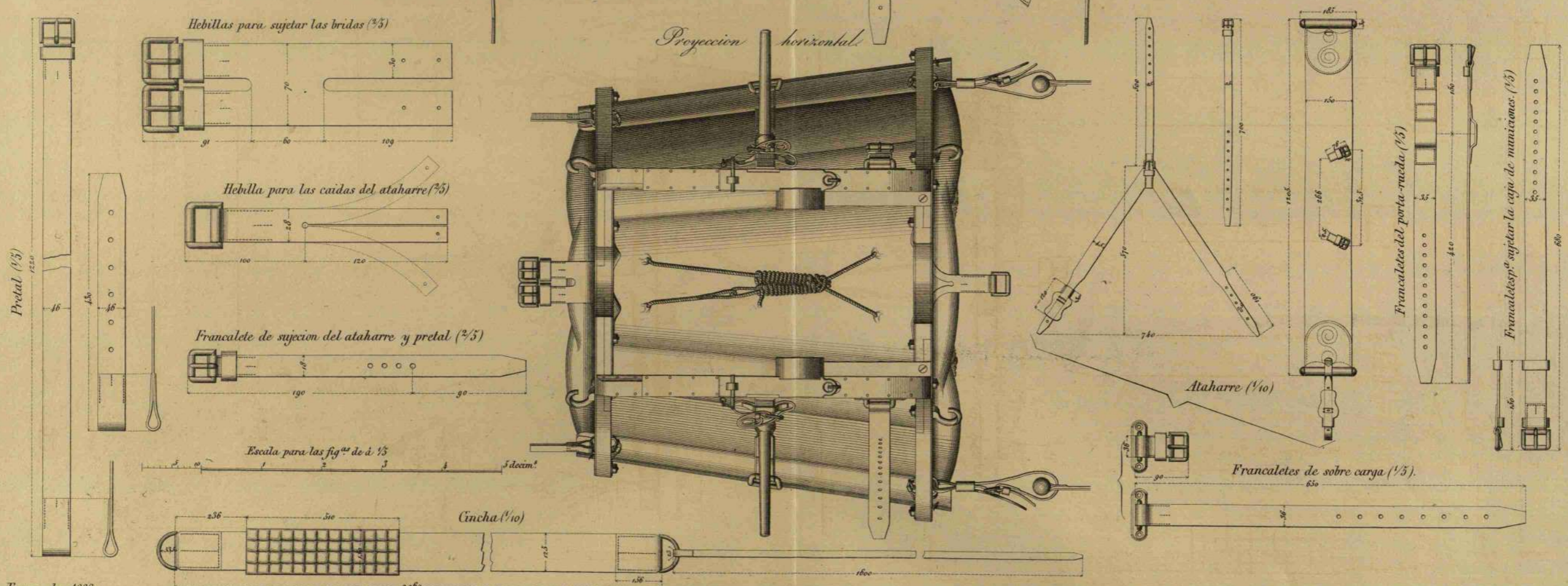
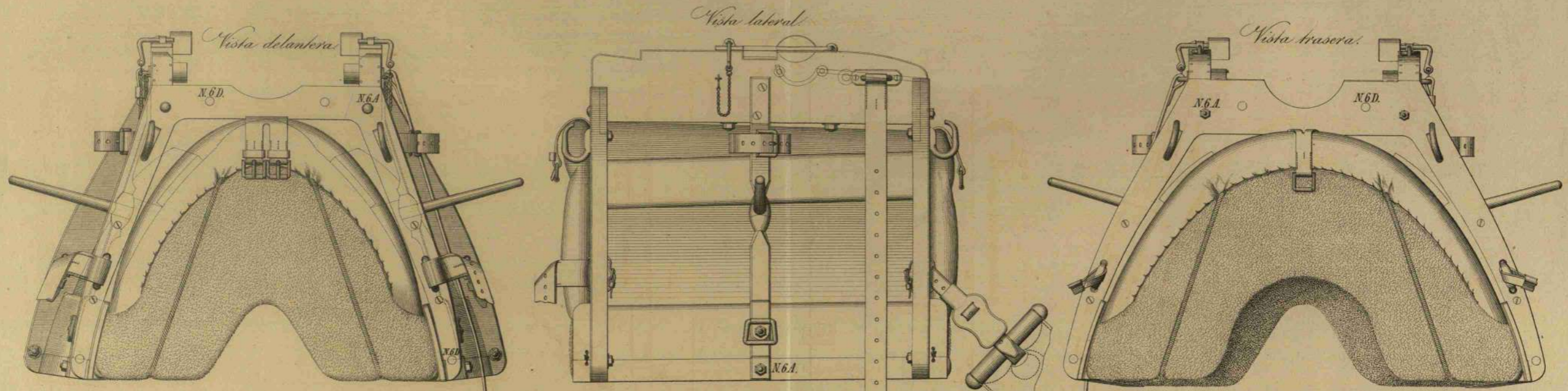
Noviembre de 1865

Litog del taller de precision.

P. J. Garcia

MATERIAL DE MONTAÑA DE 8^c/M MODELO DE 1863.

BASTE - Escala 1/5



Enero de 1866

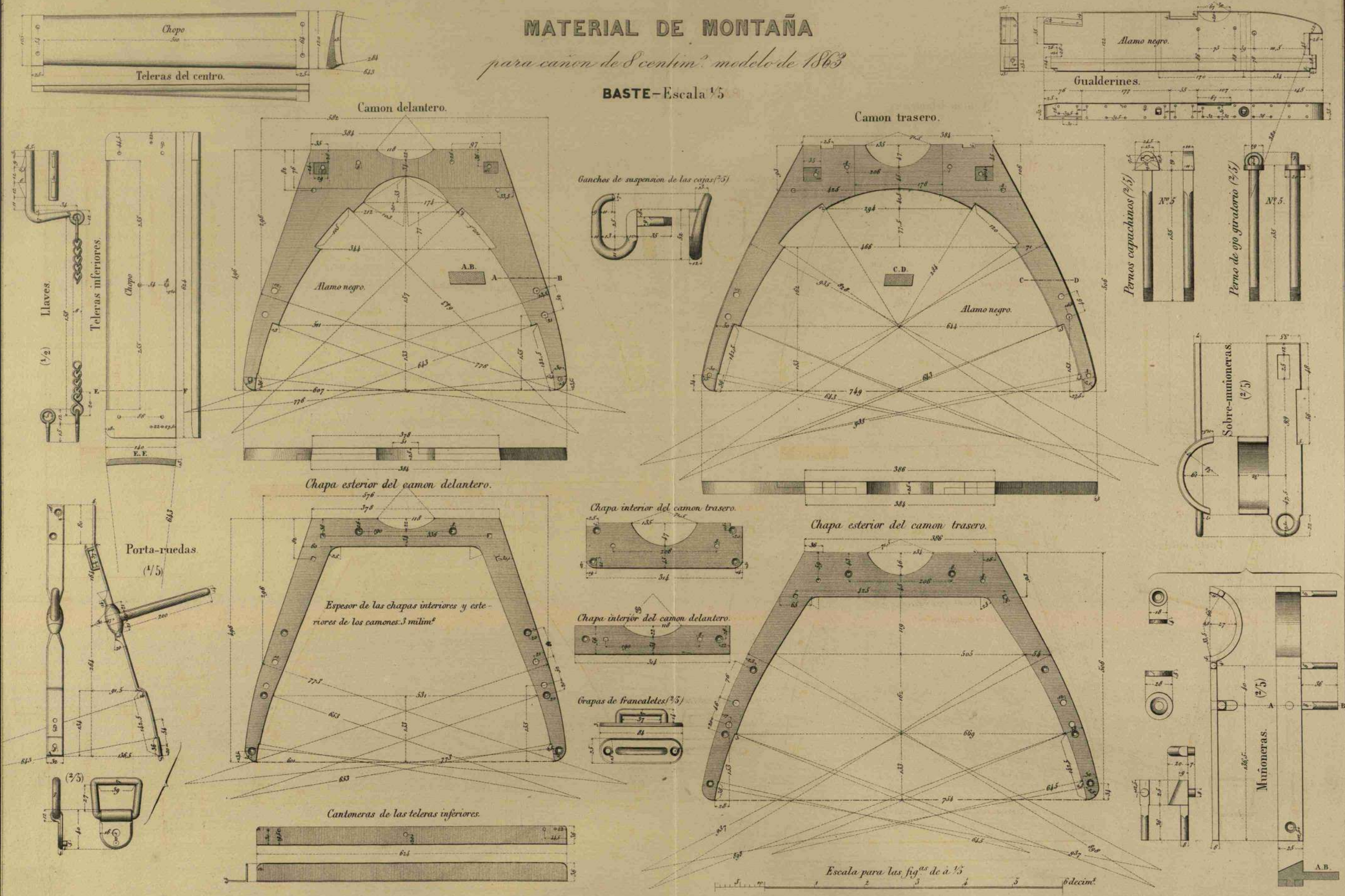
Jose Maria Lo dibujó

Mza de Art.^a taller de precision.

P.J. Gosset lo grabó

MATERIAL DE MONTAÑA para cañon de 8 centim. modelo de 1863

BASTE-Escala 1/5



Febrero de 1866

San Martin lo dibujo

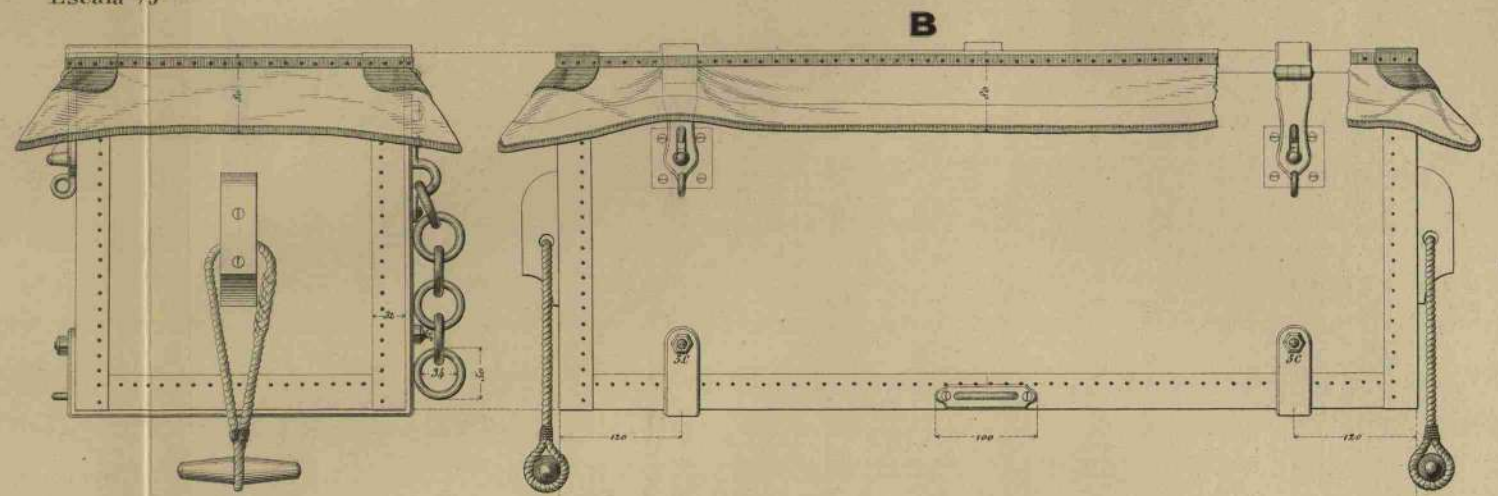
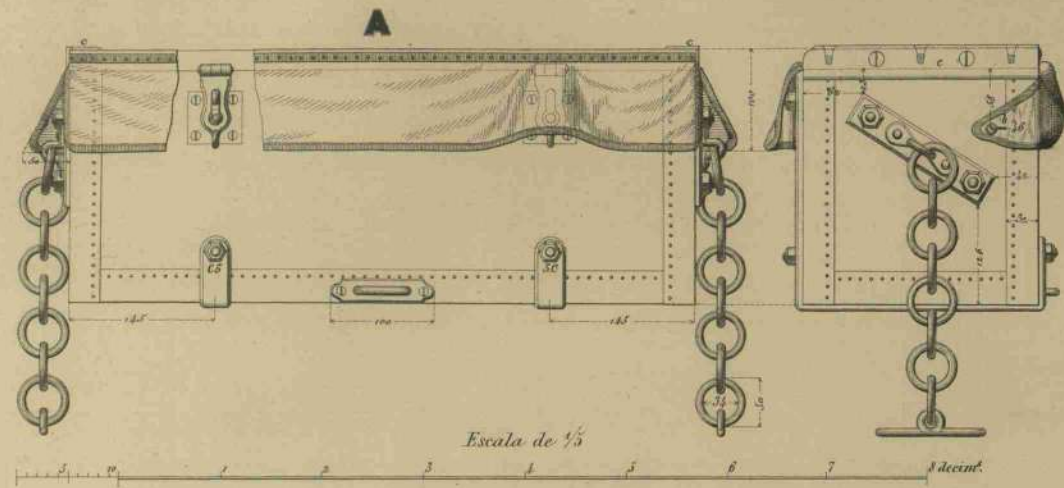
Mza de Art.º taller de precision.

En Guard. de G.

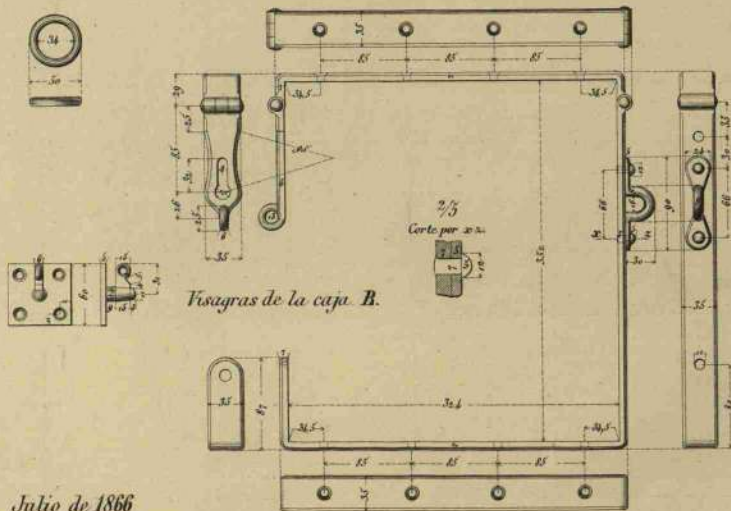
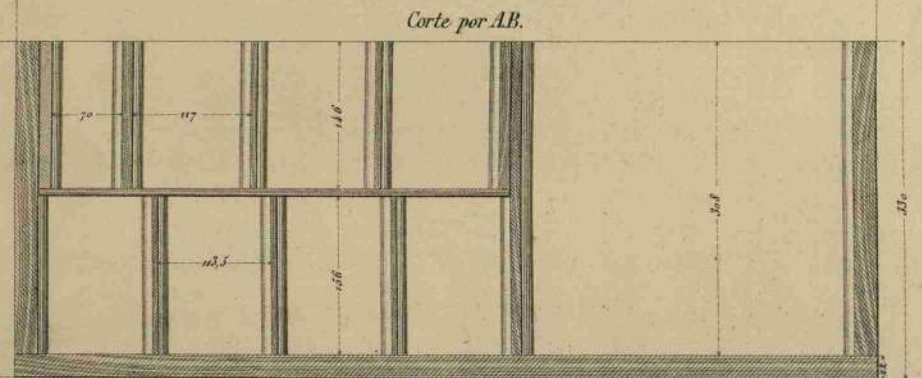
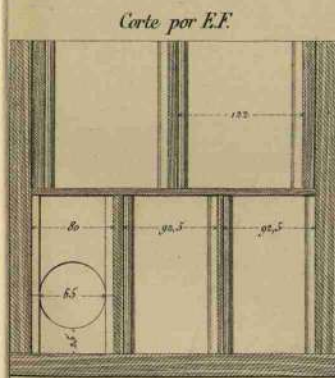
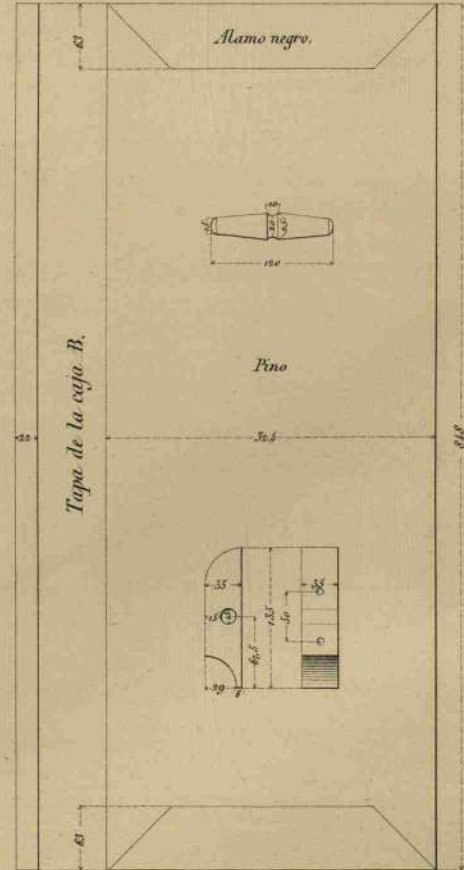
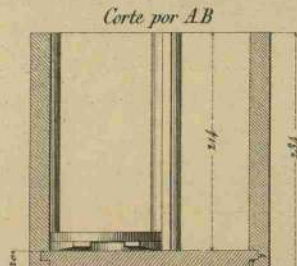
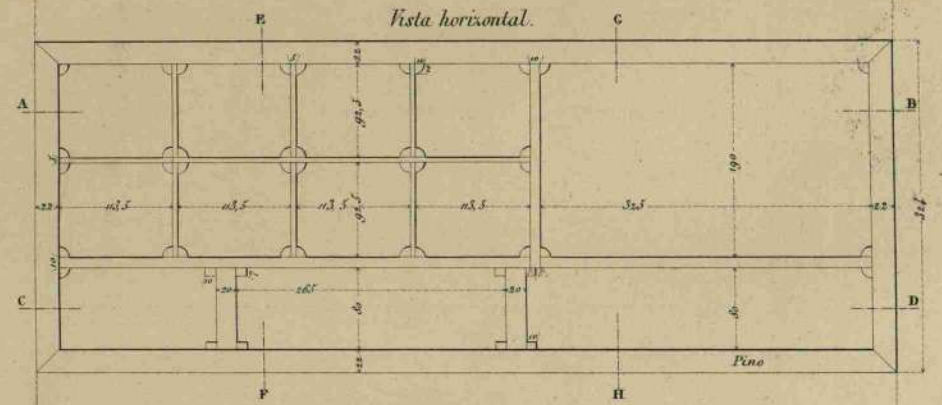
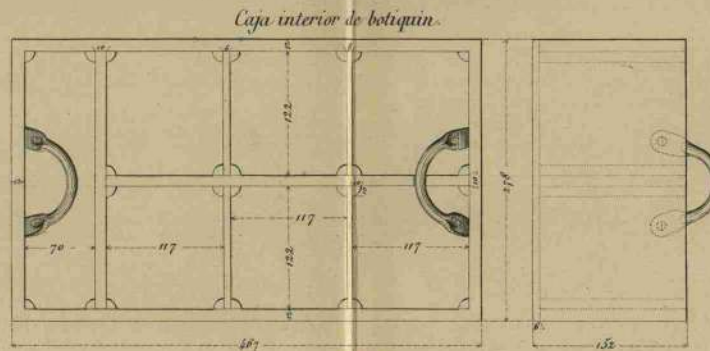
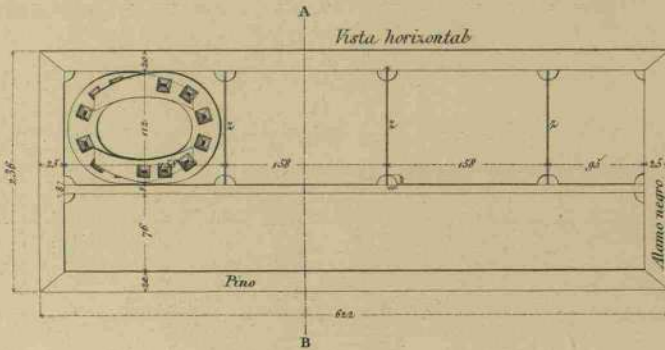
MATERIAL DE MONTAÑA DE 8^{c/m} MODELO DE 1863.

CAJA **A** PARA HERRAMIENTAS Y HERRAGES Y **B** PARA BOTIQUIN Y EQUIPAGES.

Escala 1/5



NOTA Los detalles de la caja A no representados en esta lám.^a, son iguales á los de la caja de municiones del mismo material lám.^a 2.^a



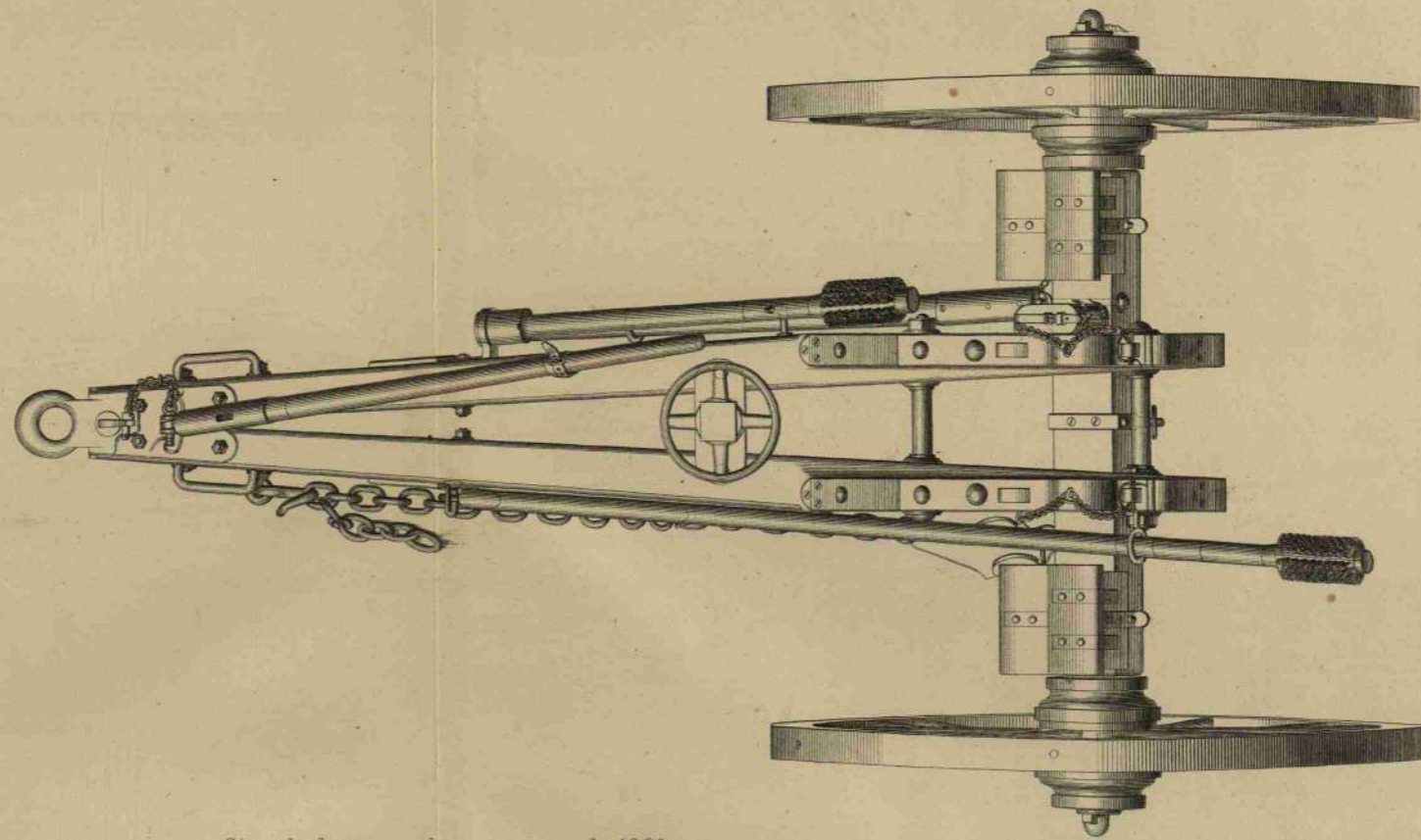
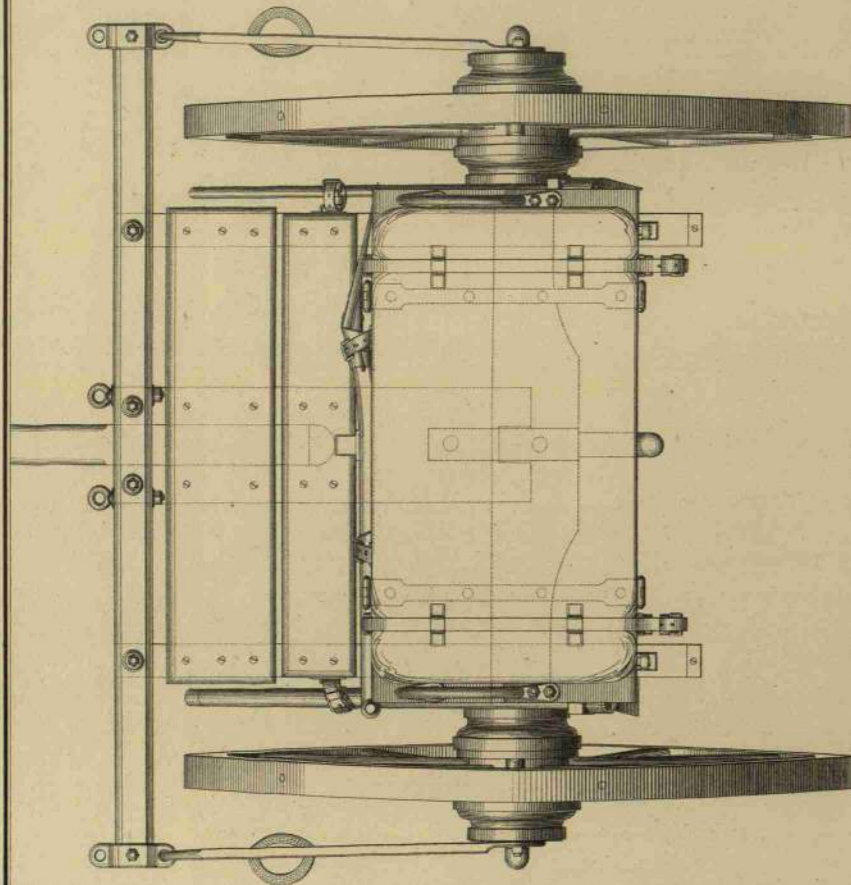
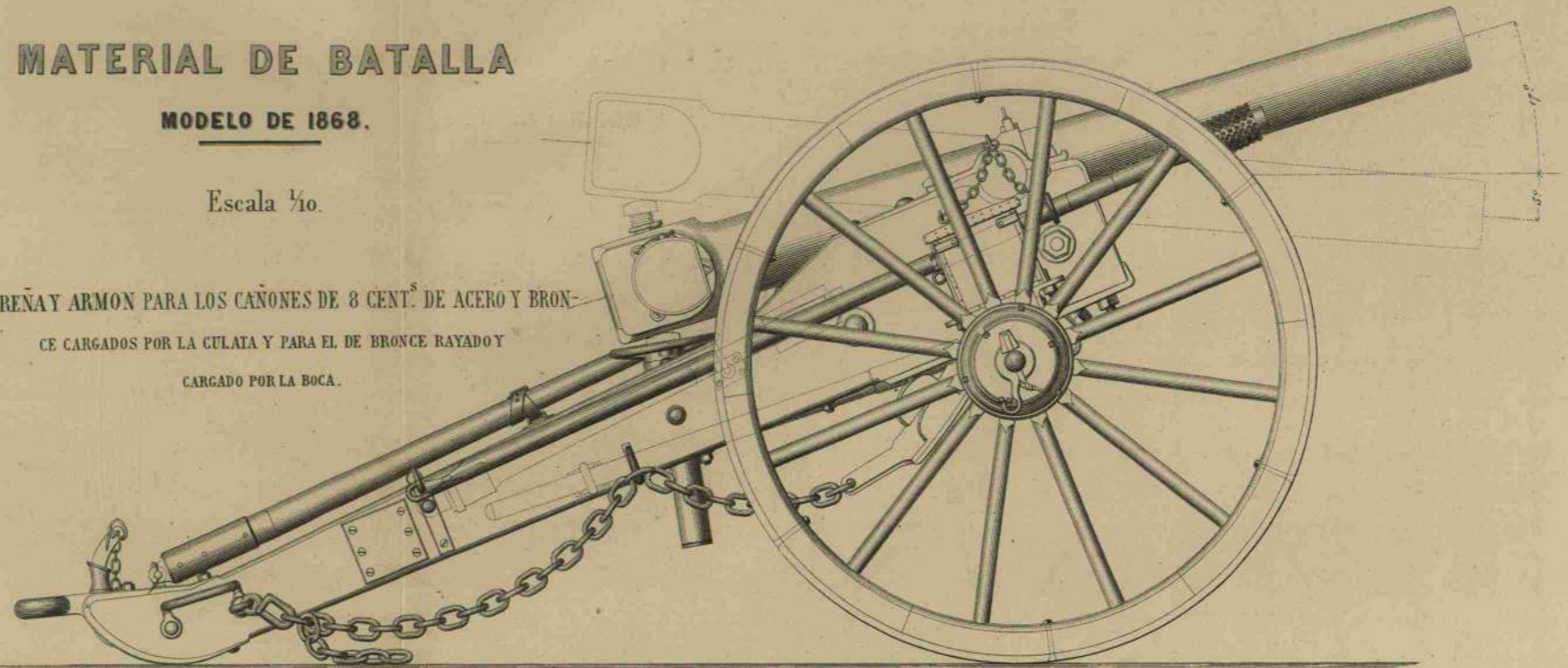
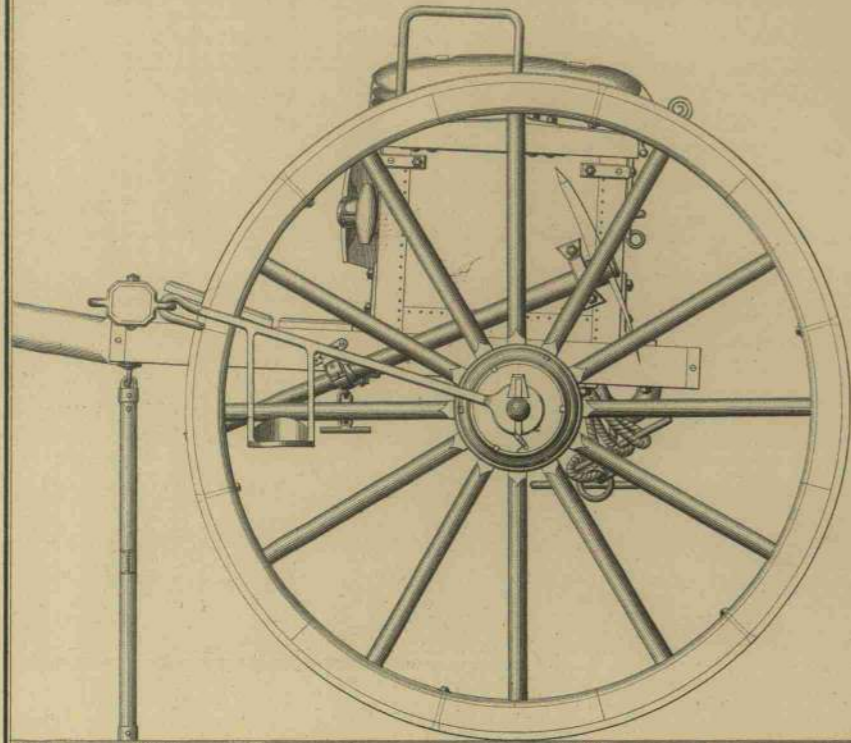
Julio de 1866

MATERIAL DE BATALLA

MODELO DE 1868.

Escala $\frac{1}{10}$.

CUREÑAY ARMON PARA LOS CAÑONES DE 8 CENT. DE ACERO Y BRONCE CARGADOS POR LA CULATA Y PARA EL DE BRONCE RAYADO Y CARGADO POR LA BOCA.

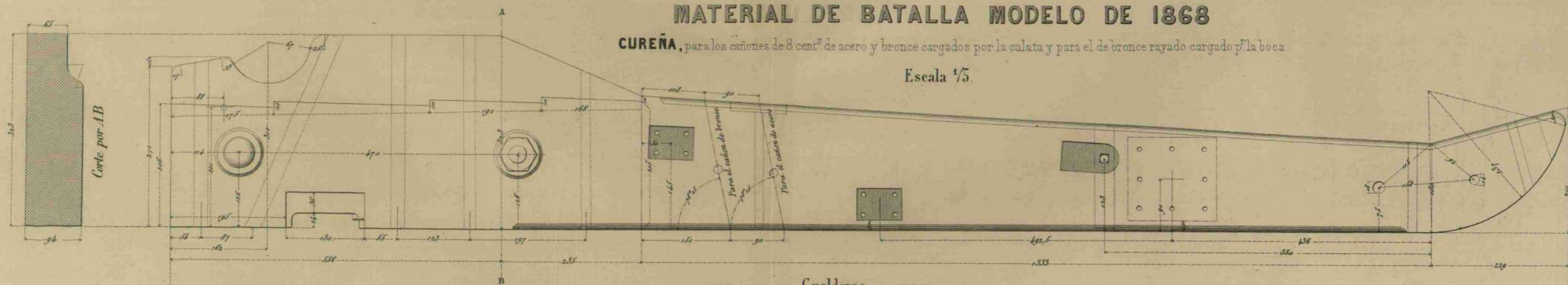


Circulada en de de 1869.

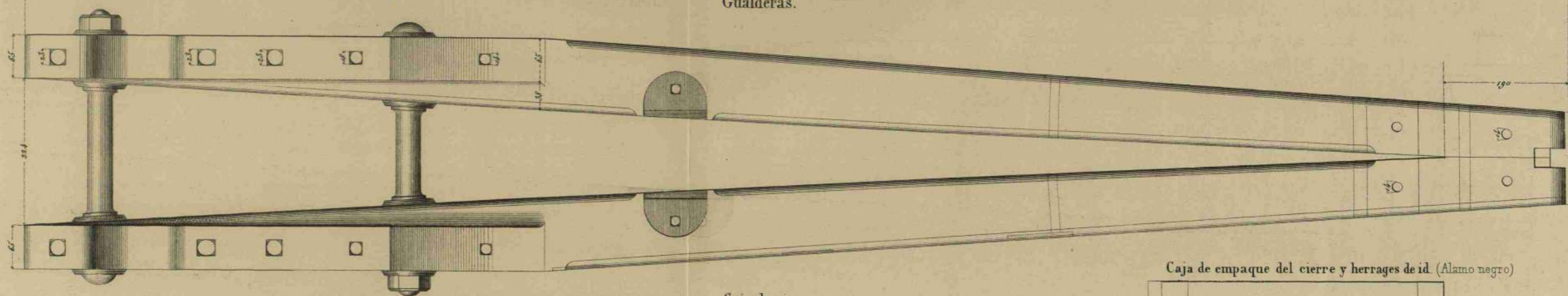
MATERIAL DE BATALLA MODELO DE 1868

CUREÑA, para los cañones de 8 cent^{os} de acero y bronce cargados por la culata y para el de bronce rayado cargado p^{or} la boca

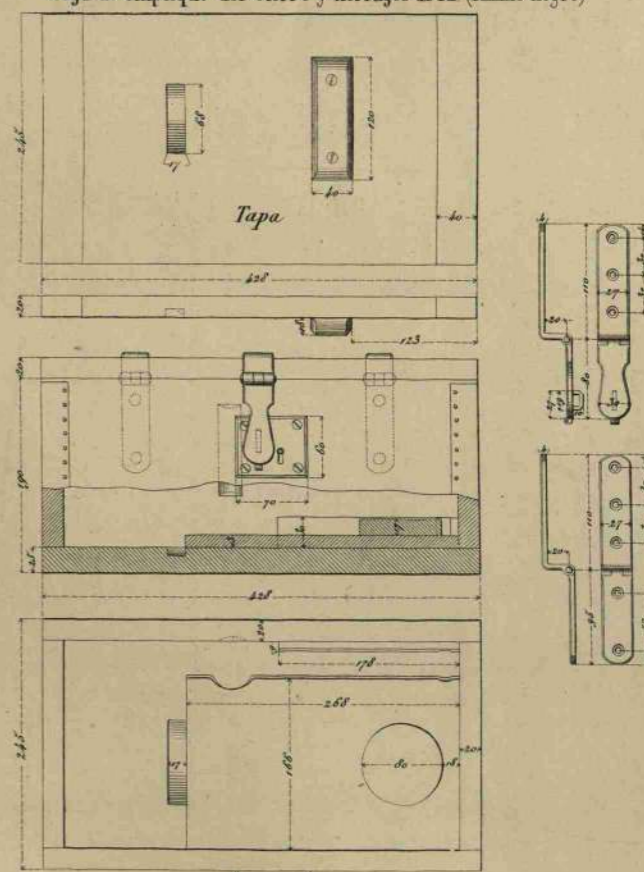
Escala 1/5



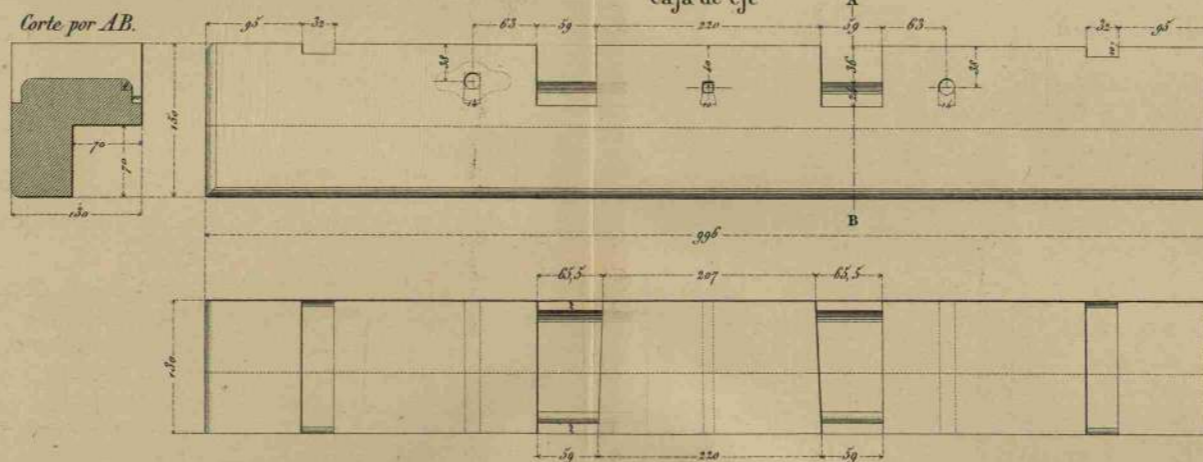
Gualdas.



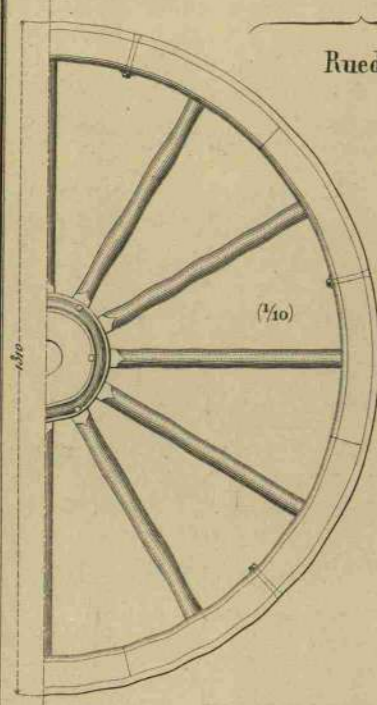
Caja de empaque del cierre y herrajes de id (Alamo negro)



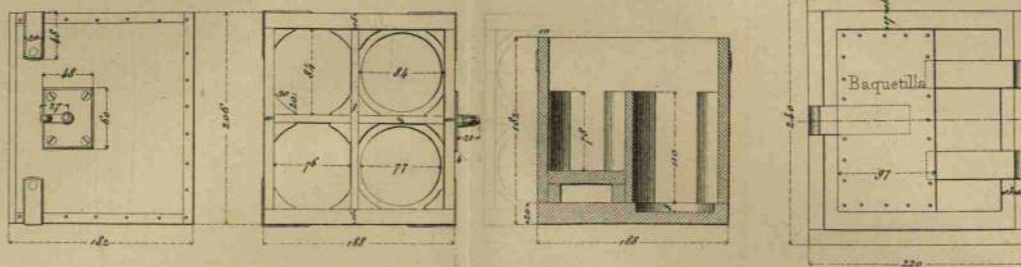
Caja de eje



Rueda



Caja de botes de metralla (Alamo negro)

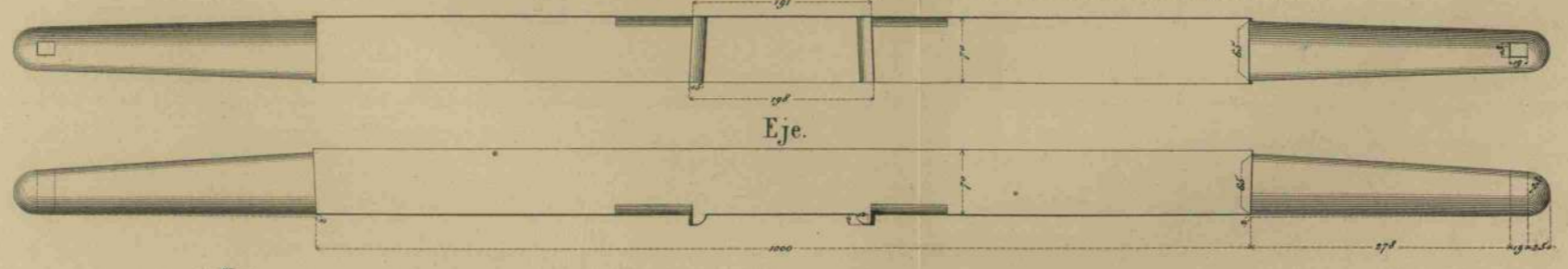
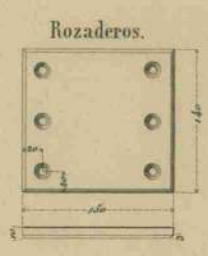


Circulada en _____ de 1869

MATERIAL DE BATALLA MODELO DE 1868

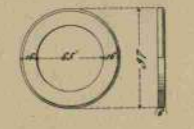
HERRAJES DE CUREÑA.

1^o Los cañones de 8 cent^{os} de acero y bronce cargados por la culata y 2^o el de bronce rayado y cargado por la boca.

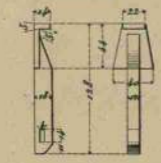


Escala general 1/5.

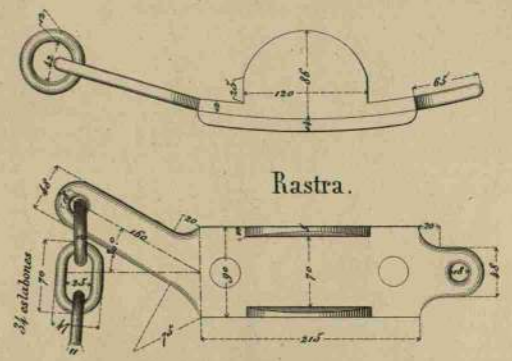
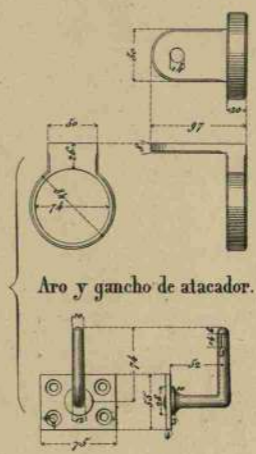
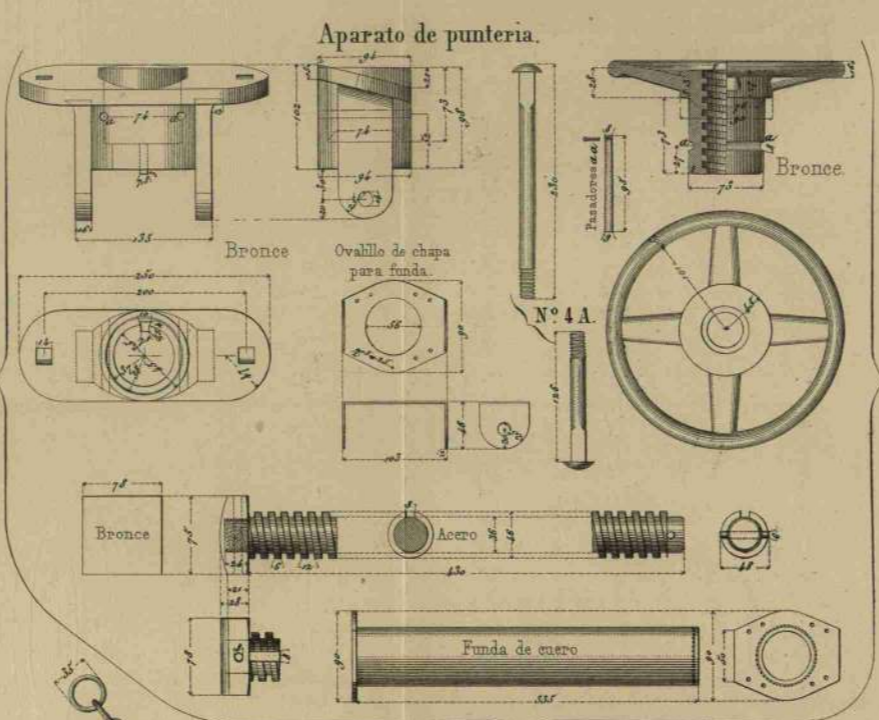
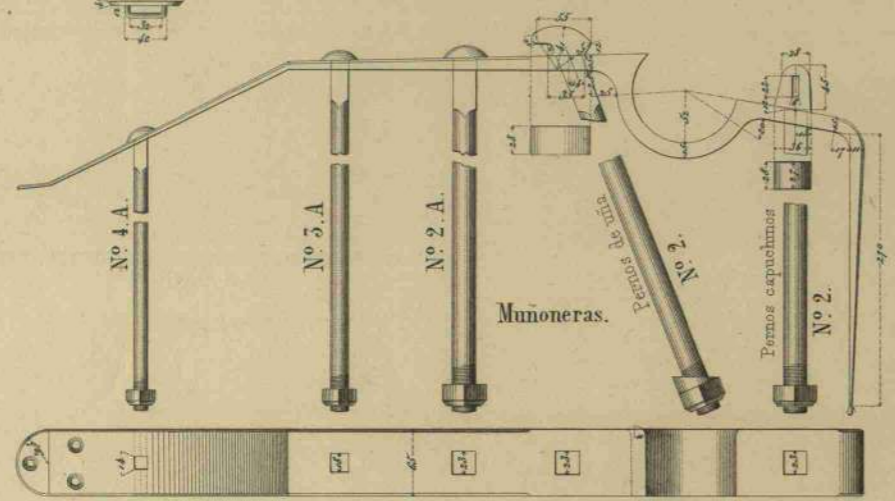
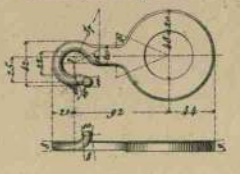
Volanderas interiores.



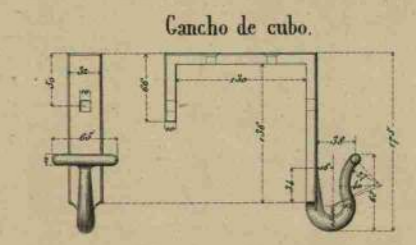
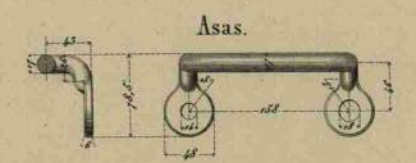
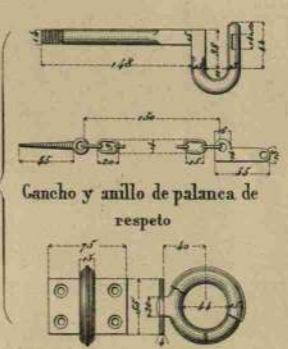
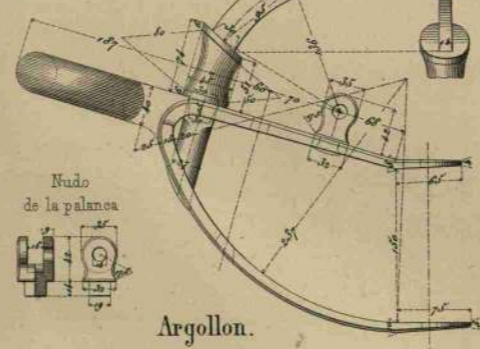
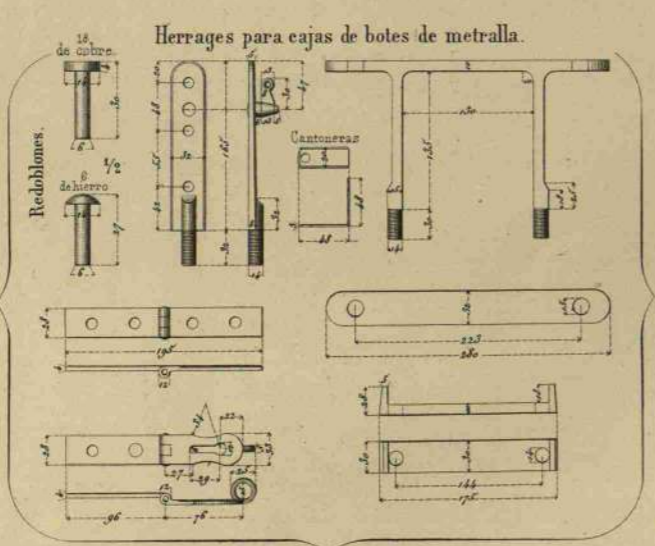
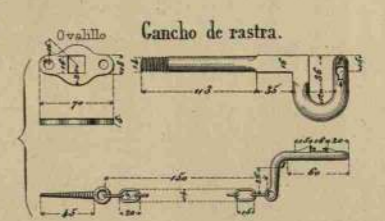
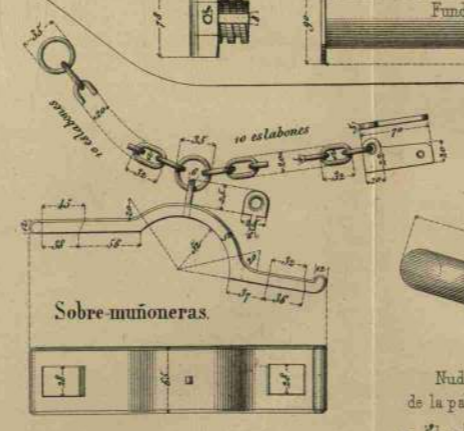
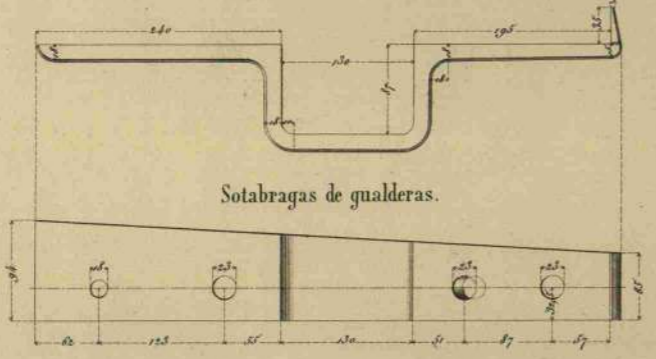
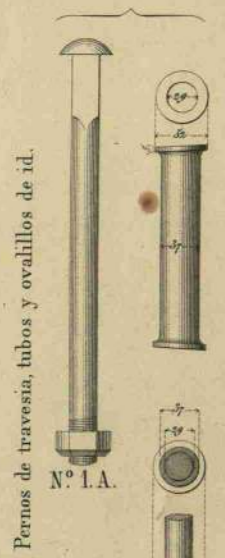
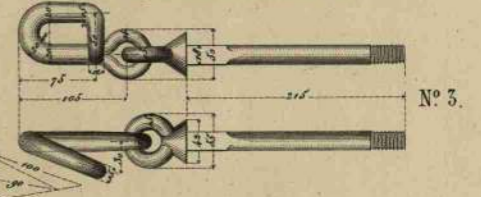
Sotrozos.



Volanderas de gancho.



Gancho de suspension de la cadena de rastra.



Circulada en de 1869

F. Gassier y J. Michon 2^o

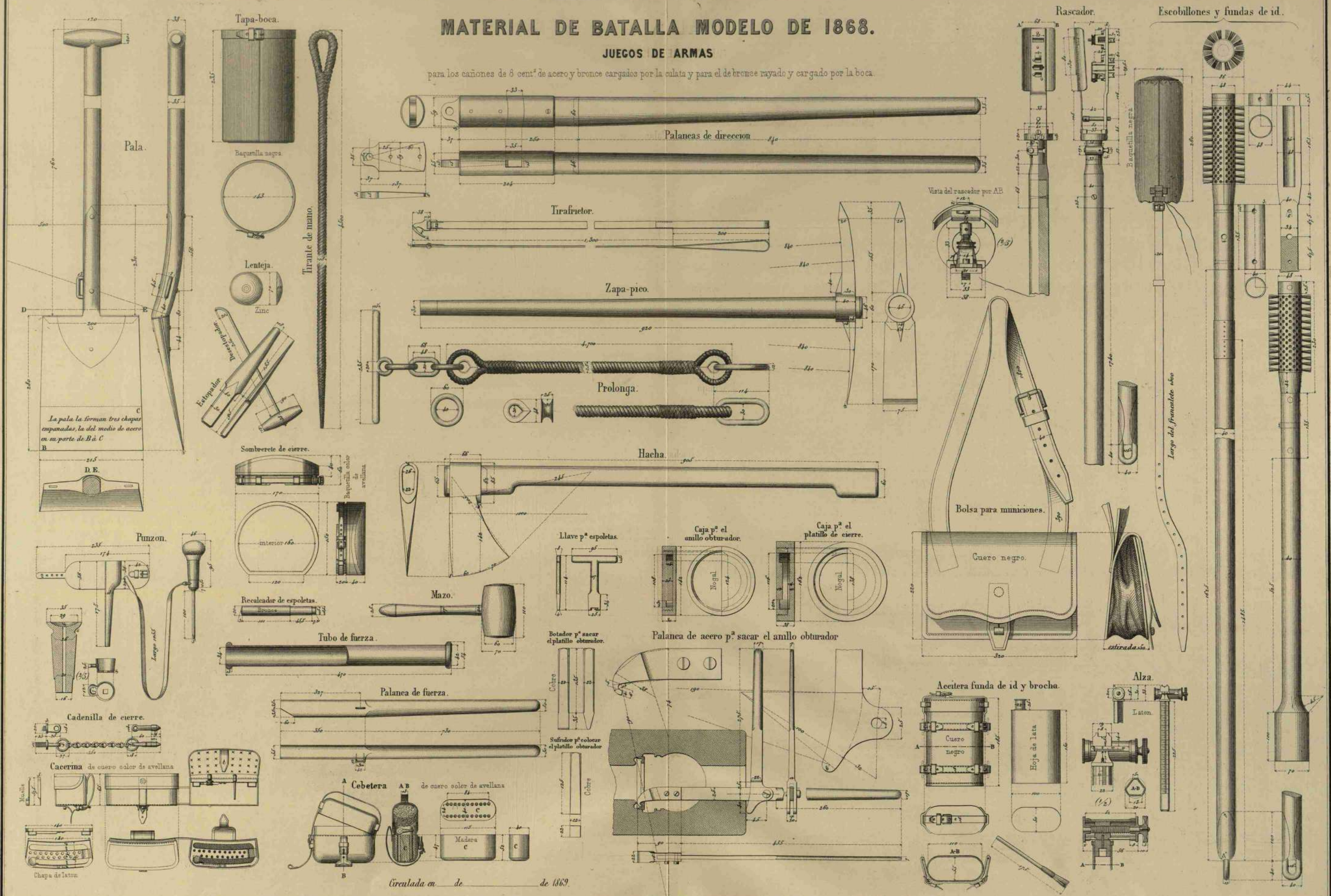
Litoq. del Parque de Madrid

P. J. Gassier y J.

MATERIAL DE BATALLA MODELO DE 1868.

JUEGOS DE ARMAS

para los cañones de 8 cent^{os} de acero y bronce cargados por la culata y para el de bronce rayado y cargado por la boca.



Circulada en de de 1869.

