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7.1



L'ARTE MODERNA DEL FABBRICARE

TRATTATO
PRATICO

PER GLI INGEGNERI

G. MISURACA e M. A. BOLDI

Volume I.

LA

Tecnica del Fabbricare

ATLANTE



CASA EDITRICE

DOTTOR FRANCESCO VALLARDI

MILANO

1840

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1840

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G. MISURACA E M. A. BOLDI
INGEGNERI

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TRATTATO PRATICO

AD USO DEGLI

Ingegneri, Costruttori, Capimastri
E STUDENTI

Vol. I

La Tecnica del Fabbricare

ATLANTE

CASA EDITRICE

DOTTOR FRANCESCO VALLARDI
MILANO

NAPOLI — FIRENZE — ROMA — TORINO — PALERMO
BOLOGNA — GENOVA — PISA — PADOVA — CATANIA — CAGLIARI — SASSARI — BARI

TRIESTE — BUENOS AIRES — MONTEVIDEO — ALESSANDRIA D'EGITTO

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Stabilimenti Riuniti di Arti Grafiche - Milano, Corso Magenta, 48.



FIG. 1 *L'attacco degli sterri allo scoperto.*

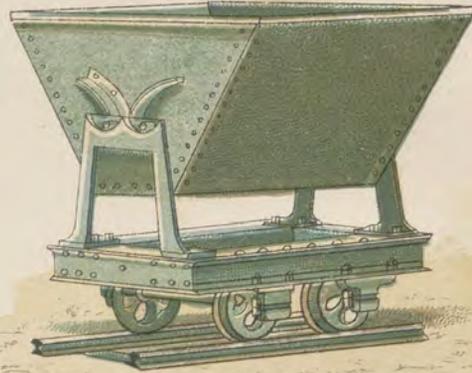


FIG. 2 *Il carro Decauville con rovesciamento di fianco.*

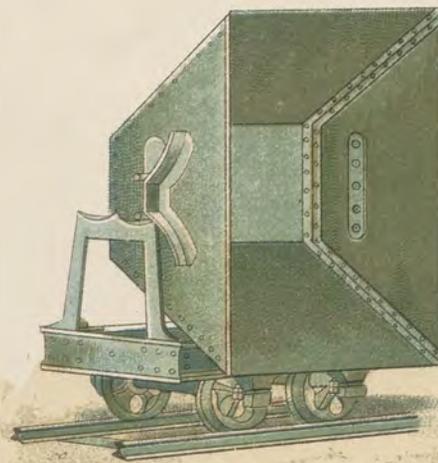


FIG. 3

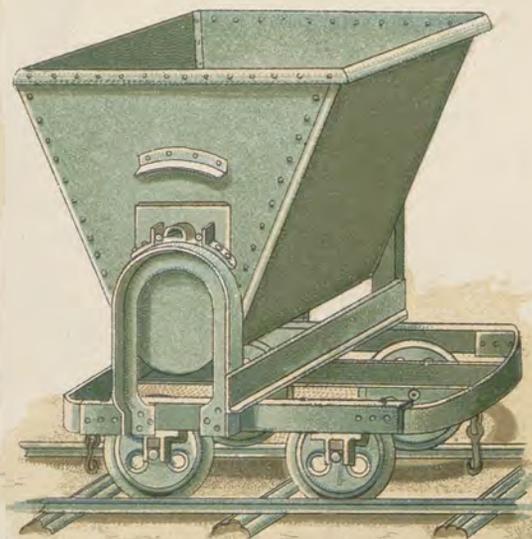
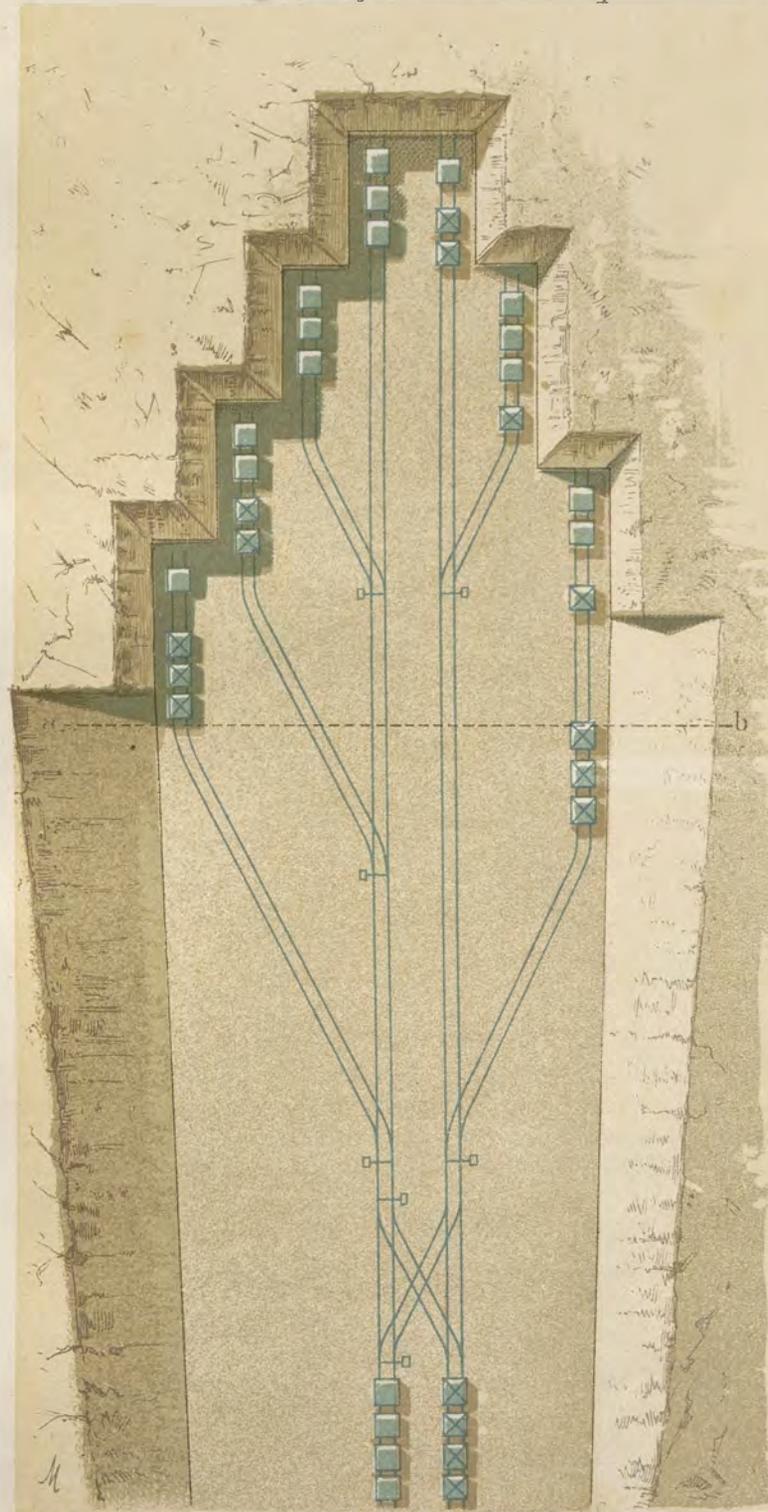


FIG. 4 *Il carro Decauville con rovesciamento di fronte.*



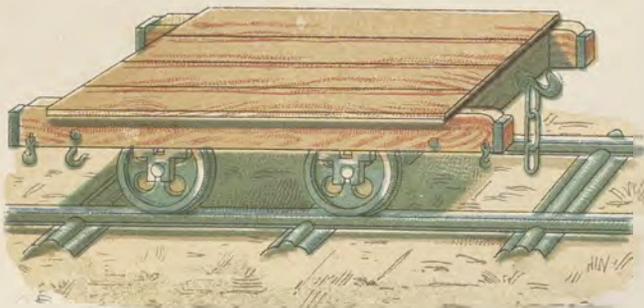


FIG. 1 Il carro piatto per il trasporto dei legnami e dei materiali di costruzione

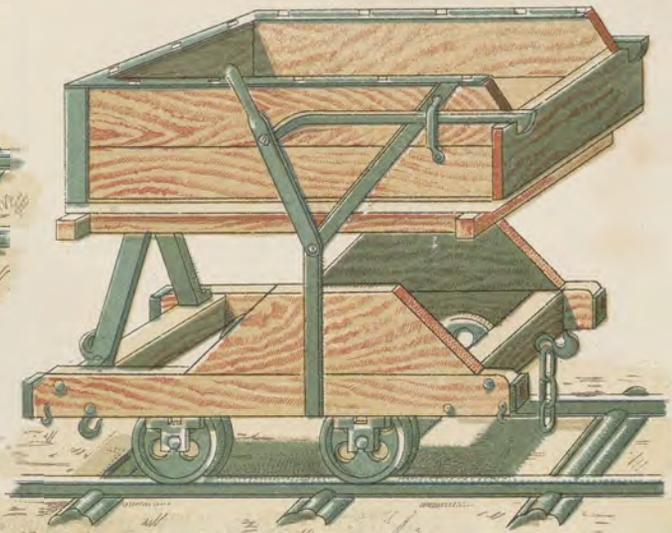
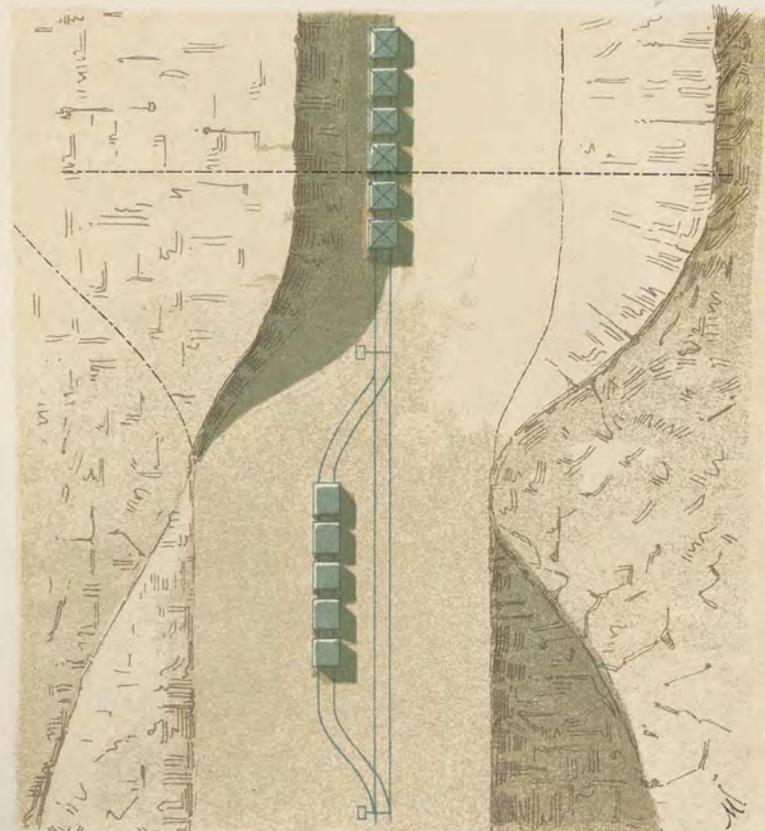


FIG. 2 Il carro del tipo francese con rovesciamento di fronte anteriore

FIG. 4 Lo scambio a lingue mobili



FIG. 3 L'attacco degli sterri col metodo all'inglese



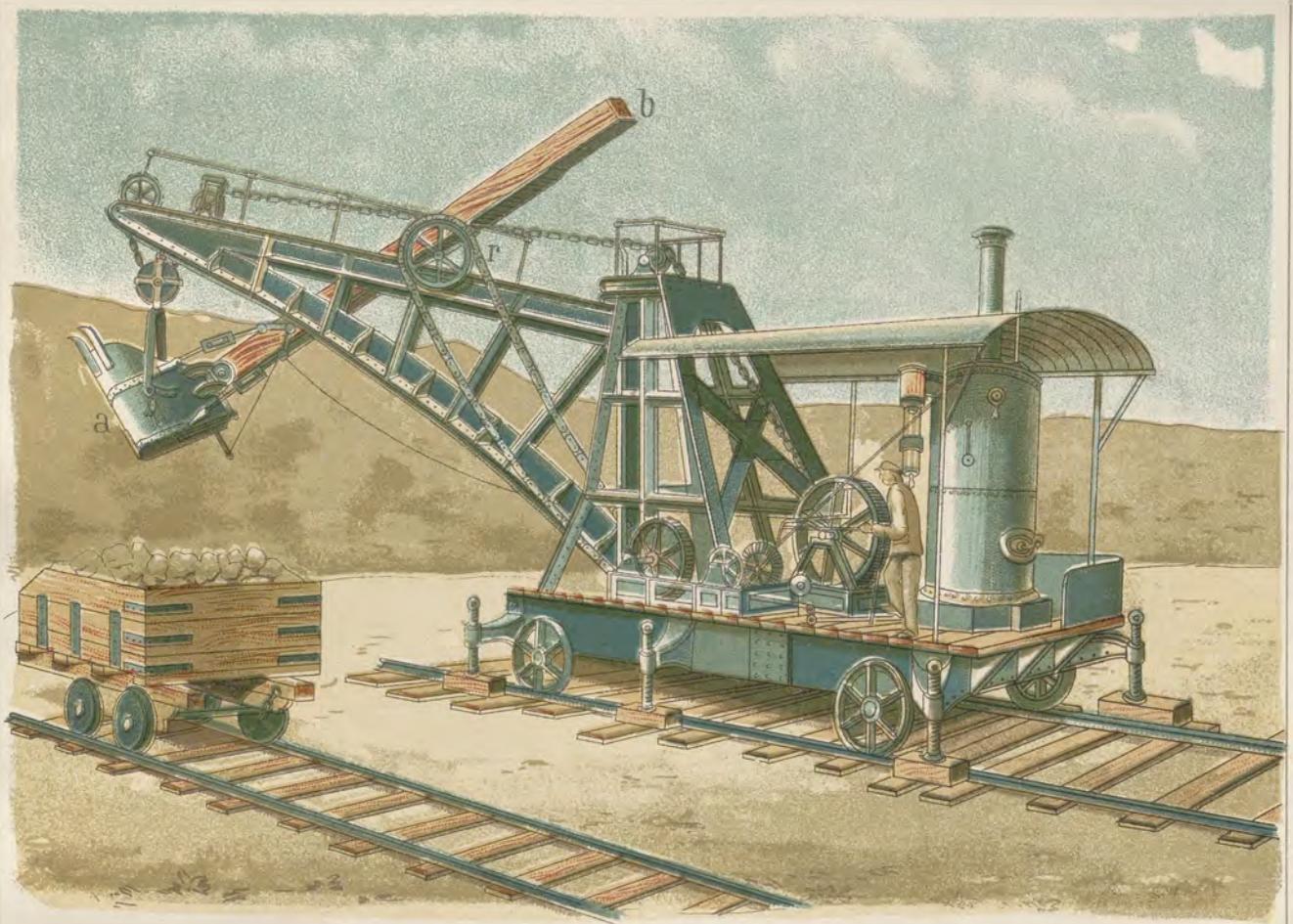


FIG. 1 *L'escavatore a cucchiaia di Dumbar e Ruston*

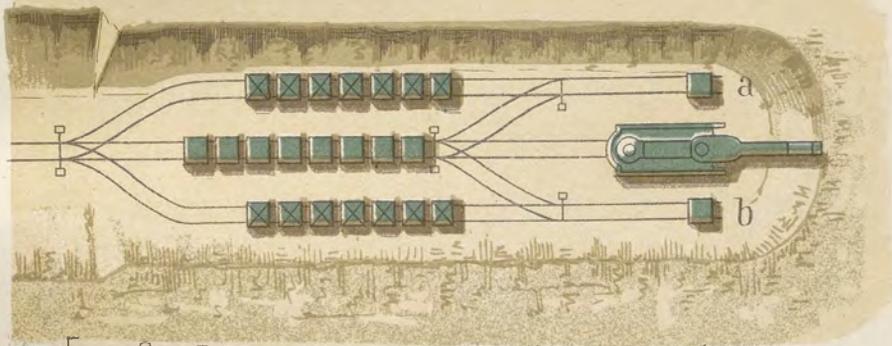
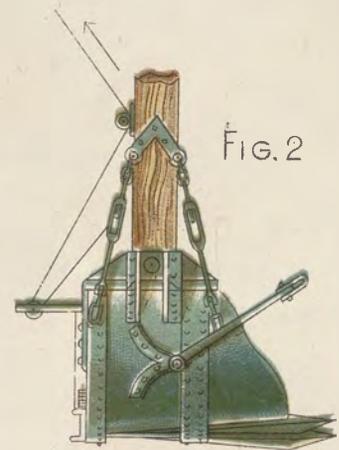
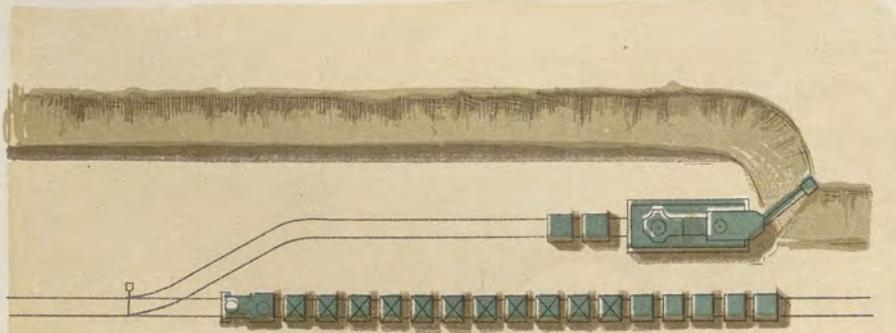


FIG. 3 *La disposizione dei binari di avanzamento*



La cucchiaia dell'escavatore Dumbar



A. FIG. 4 *La disposizione dei binari di allargamento*

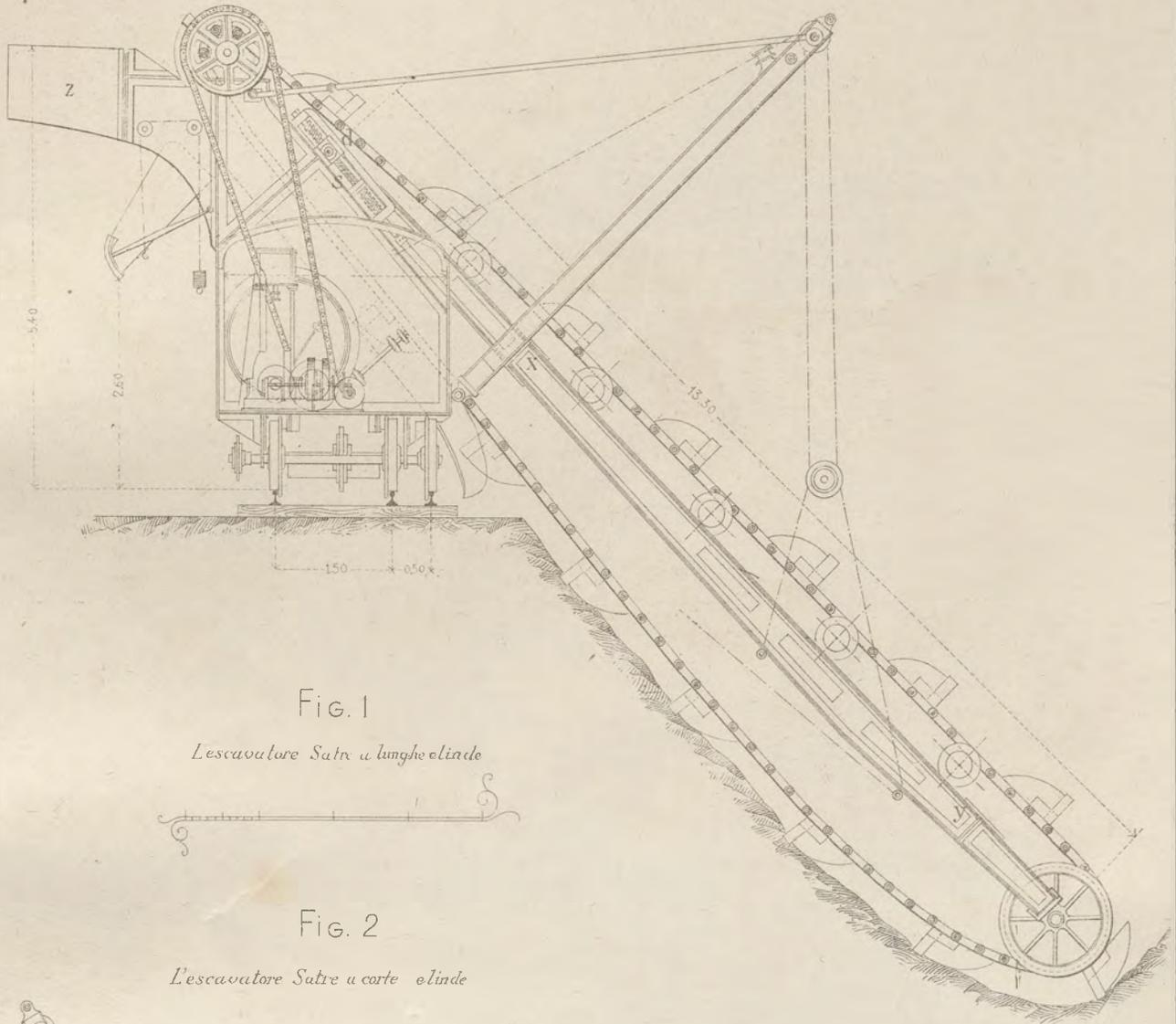


FIG. 1

L'escavatore Satri a lunghe cilindre



FIG. 2

L'escavatore Satri a corte cilindre

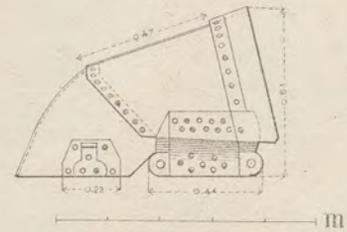
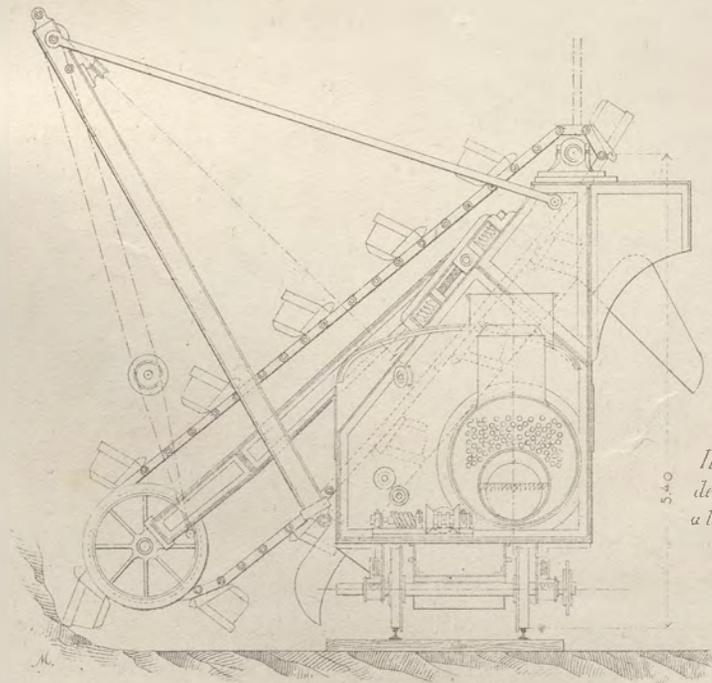
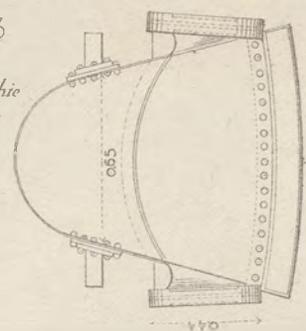


FIG. 3

Il particolare delle secchie dell'escavatore Covorenza a lunghe cilindre



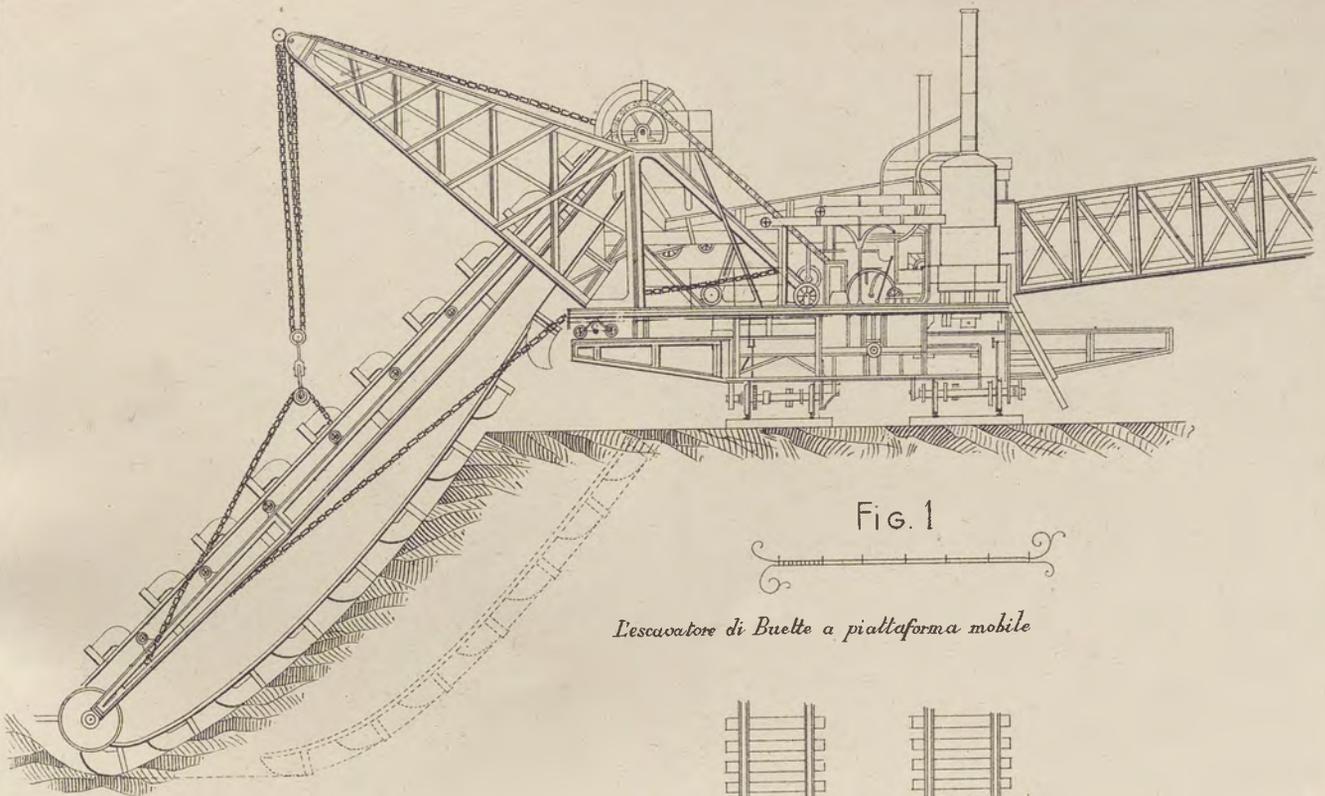
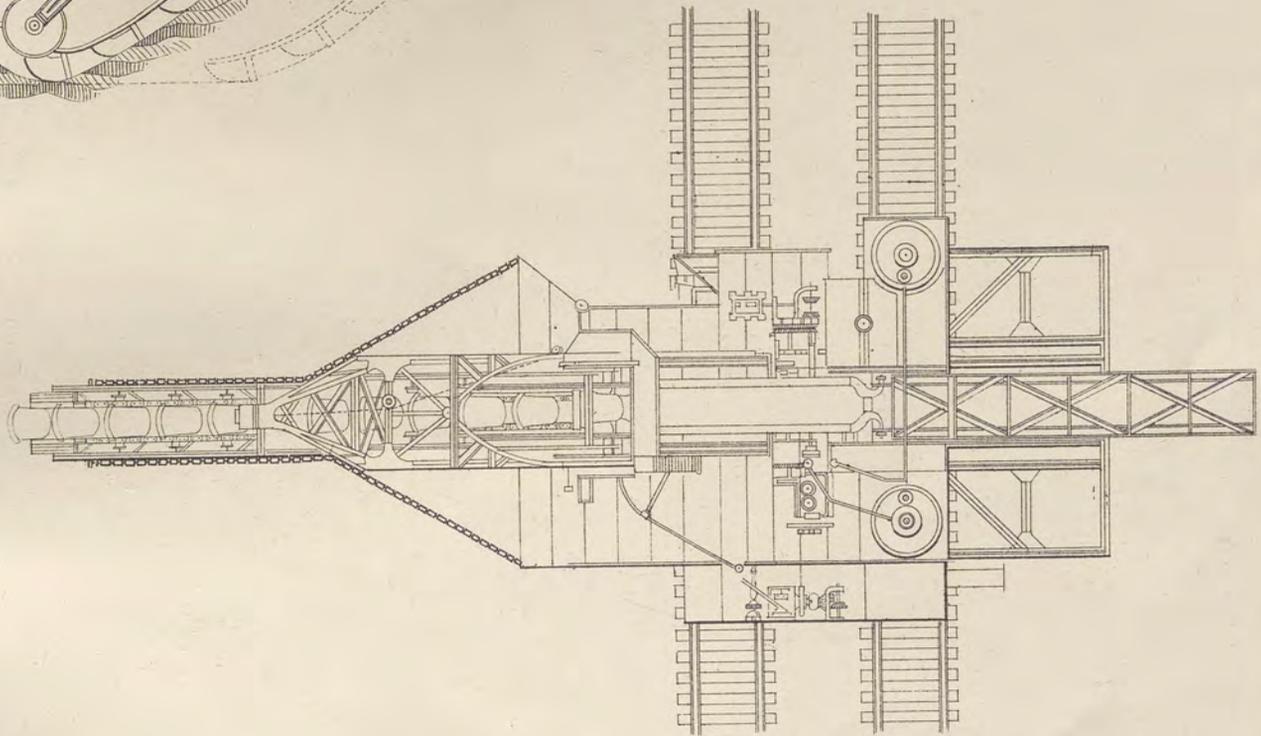


FIG. 1

L'escavatore di Buette a piattaforma mobile



*Il particolare delle secchie dell'escavatore
Covrea a corte eliche*

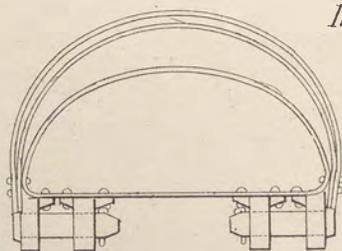
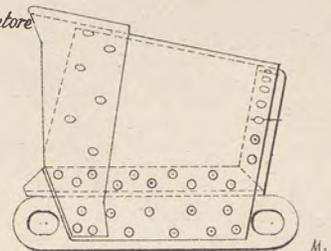
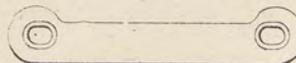


FIG. 2

0,5



M.

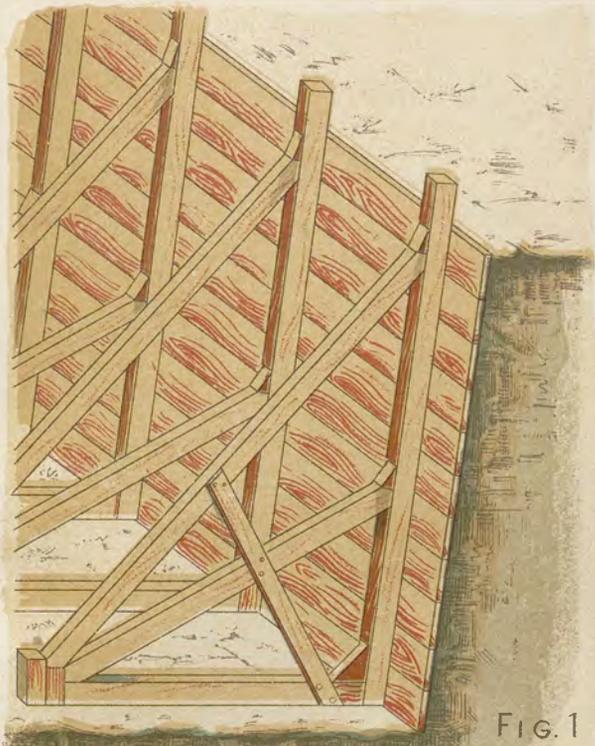


FIG. 1

La sbadacchiatura di un sterno generale.

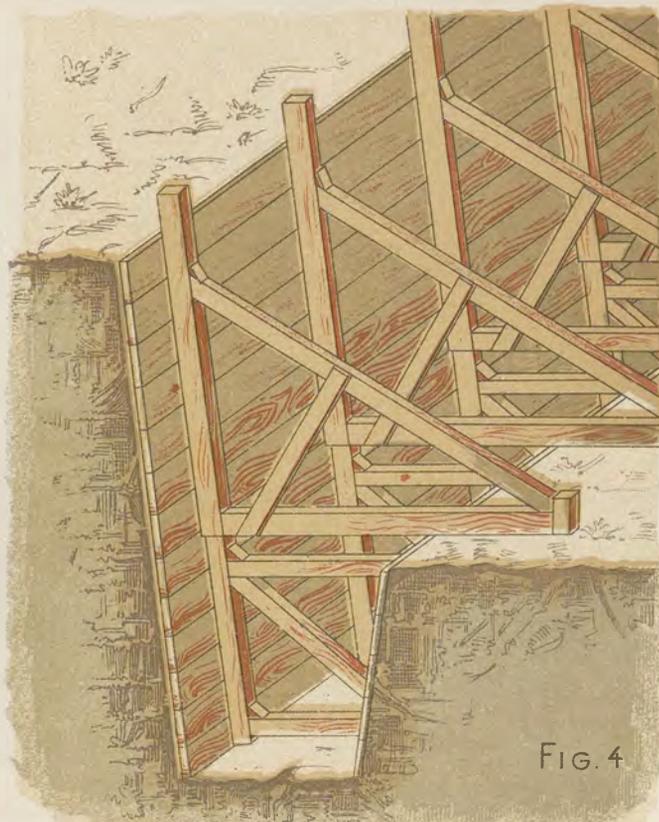


FIG. 4

La sbadacchiatura dei cavi in terreni sciolti.

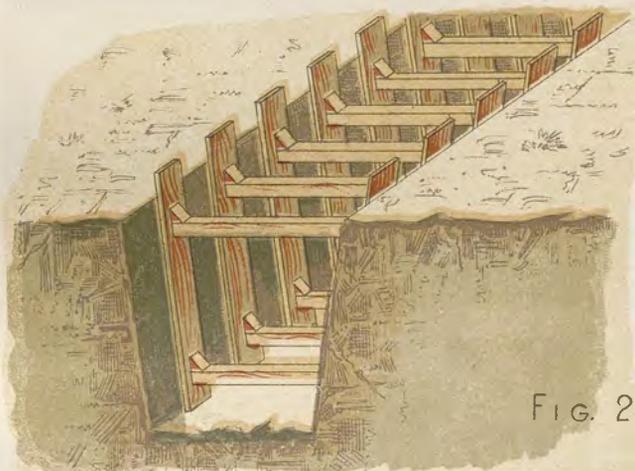


FIG. 2

La sbadacchiatura dei cavi in terreni consistenti.

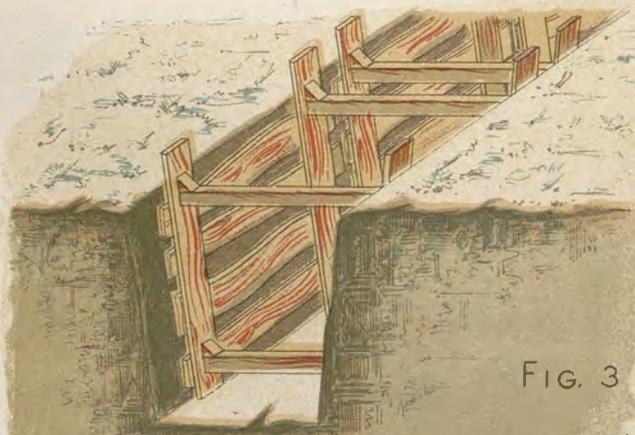


FIG. 3

Altro sistema di sbadacchiatura dei cavi in terreni consistenti.

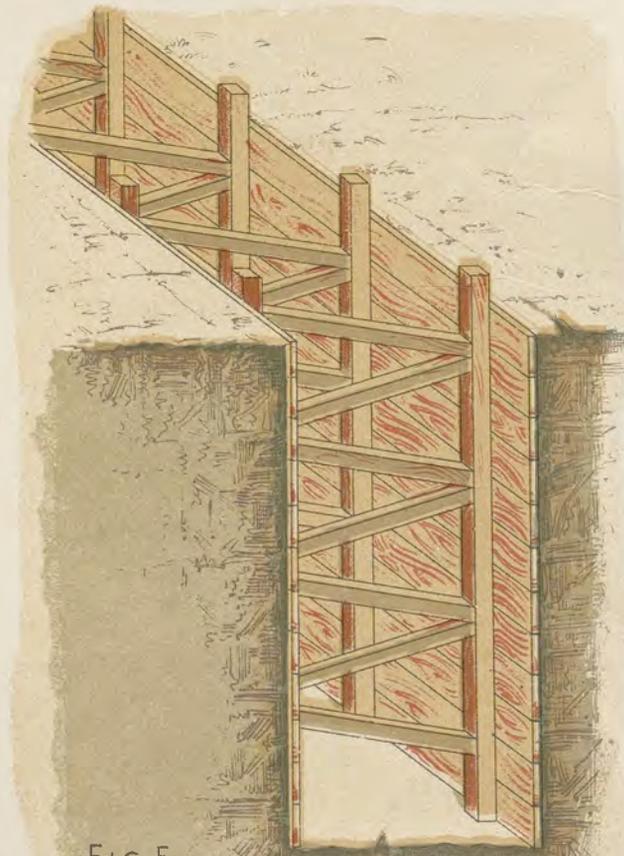


FIG. 5

Altro sistema di sbadacchiatura dei cavi in terreni sciolti.

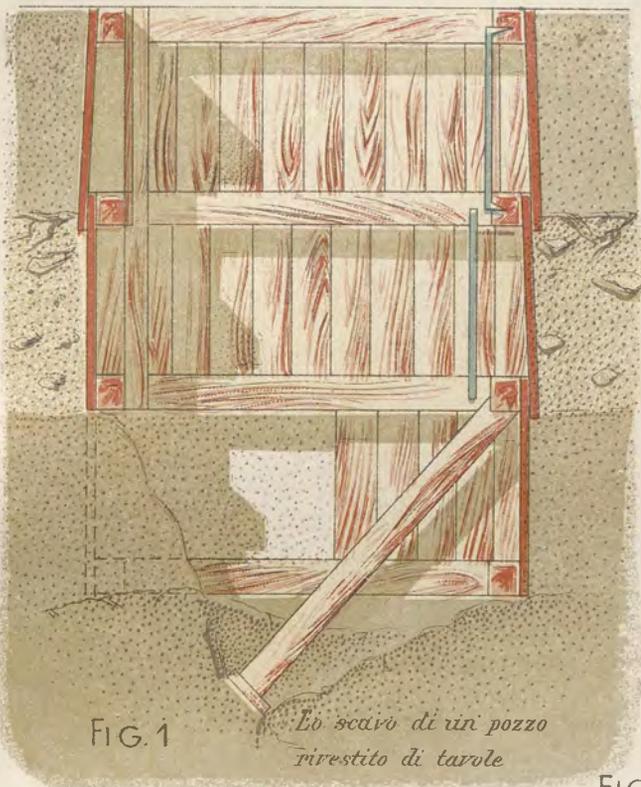


FIG. 1

Lo scavo di un pozzo rivestito di tavole

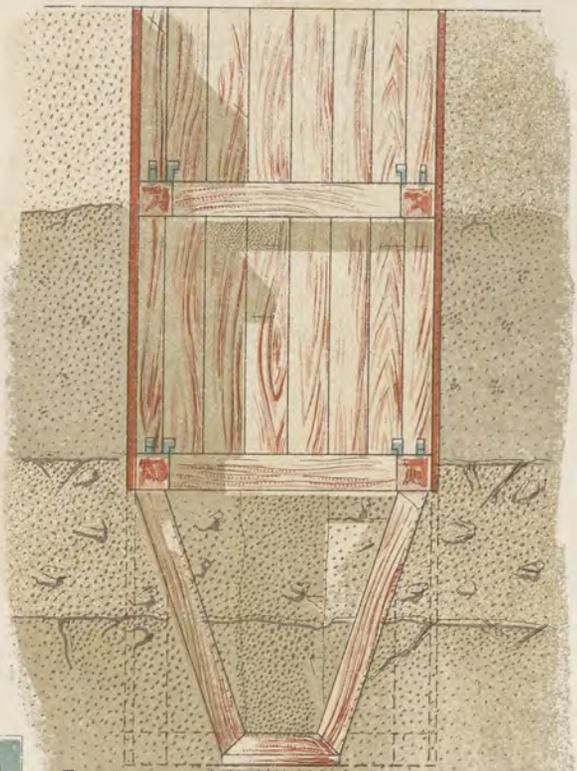


FIG. 2 *La sbadacatura più comune dello scavo dei pozzi*

FIG. 3
La cariglia di ferro

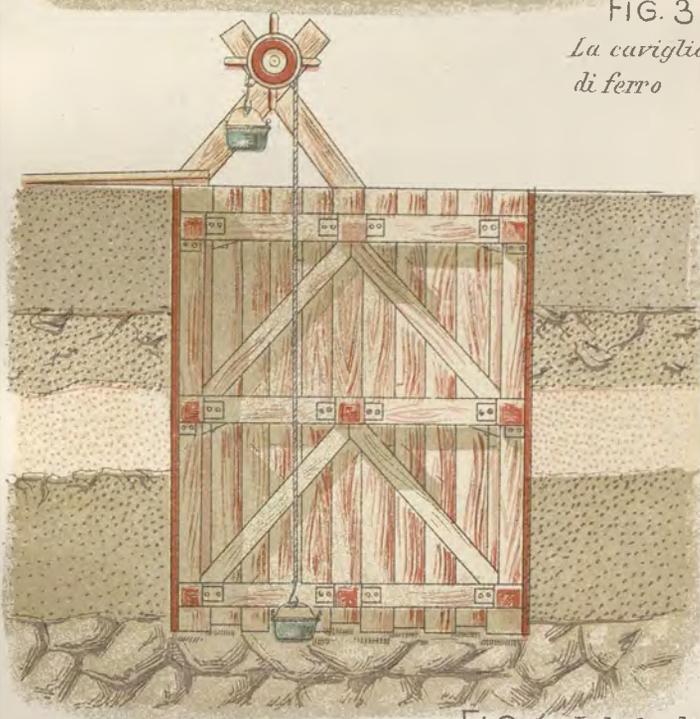
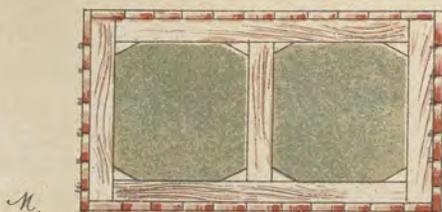


FIG. 4 *I sbadacchi ed i saettoni di rinforzo negli scavi di grandi pozzi*



FIG. 5 *L'armatura in terreni consistenti*



M.



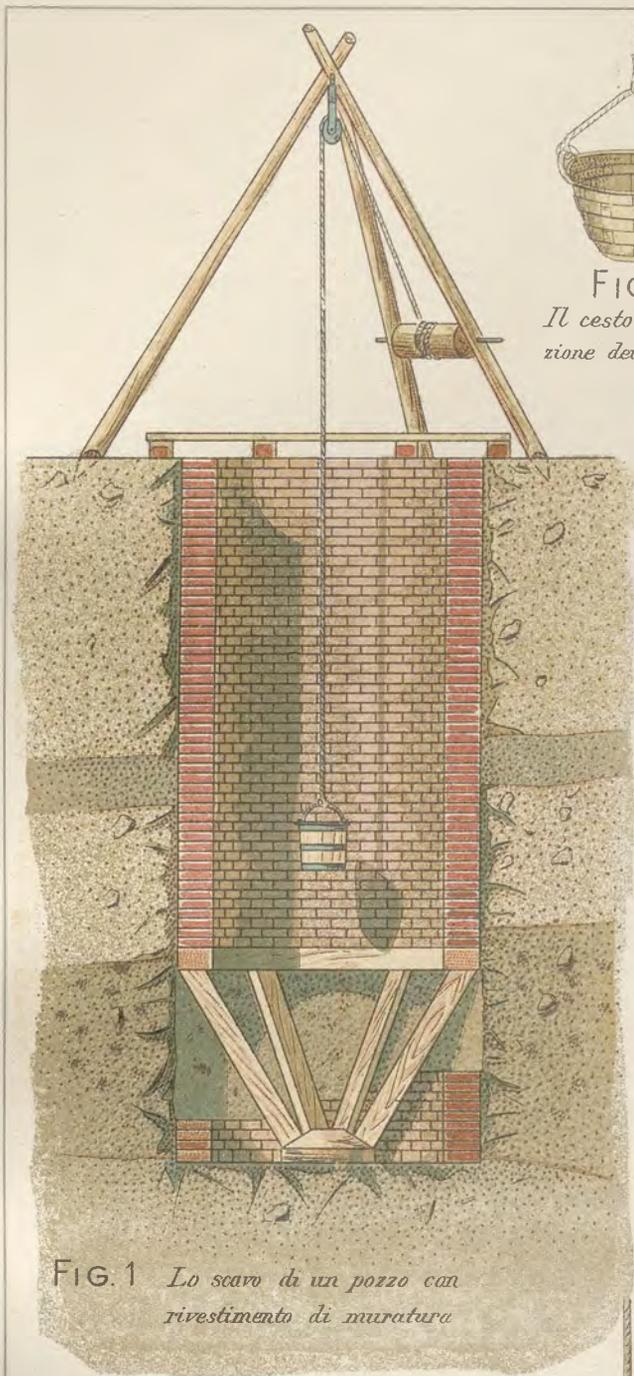
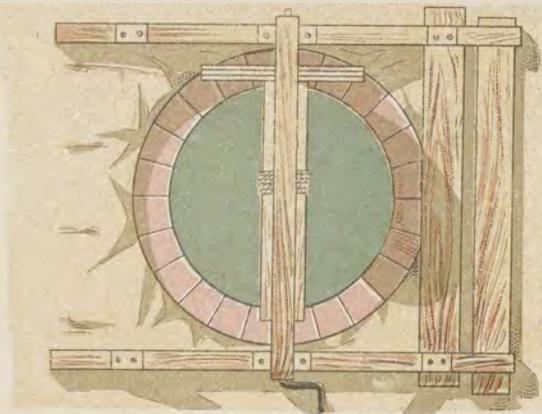


FIG. 1 *Lo scavo di un pozzo con rivestimento di muratura*



FIG. 3 *Il cesto per l'estrazione dei materiali*



L'altro sistema di sottofondazione del rivestimento

FIG. 2

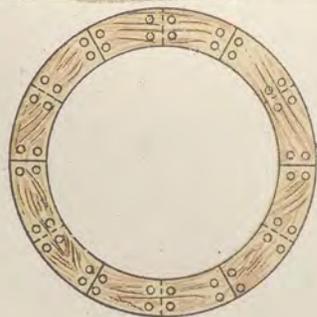
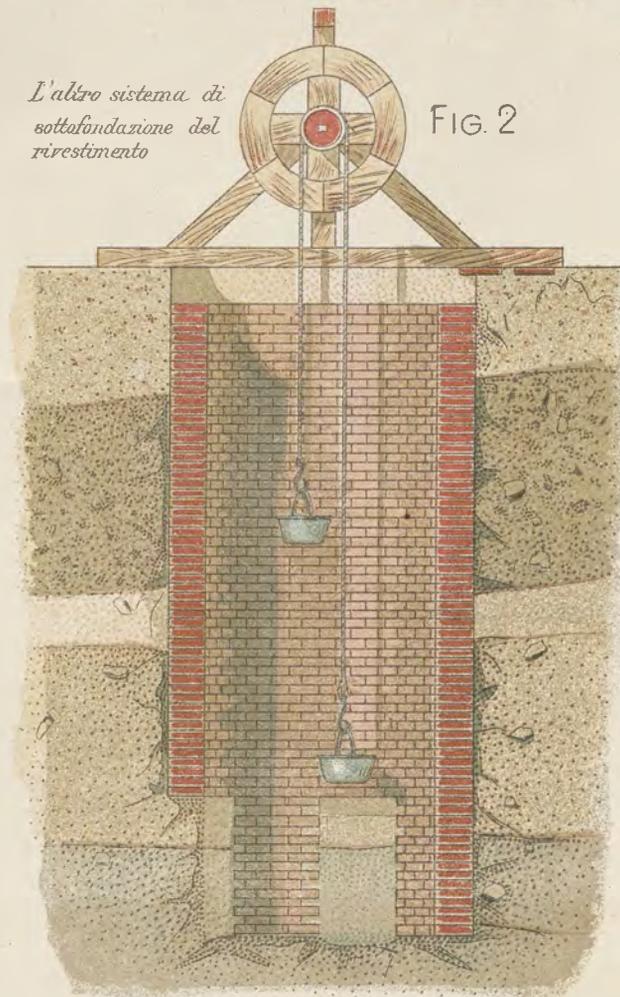
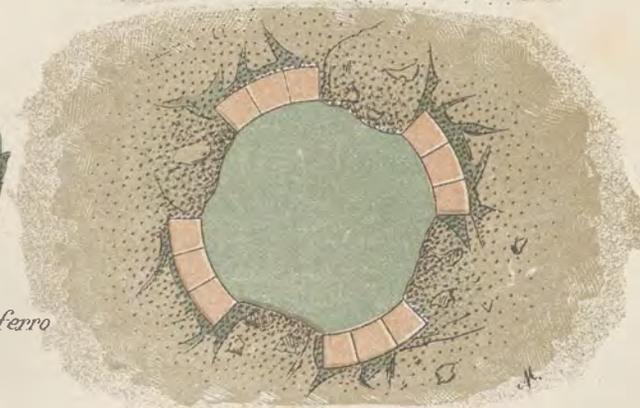


FIG. 4 *Il secchio di ferro per le calcine*



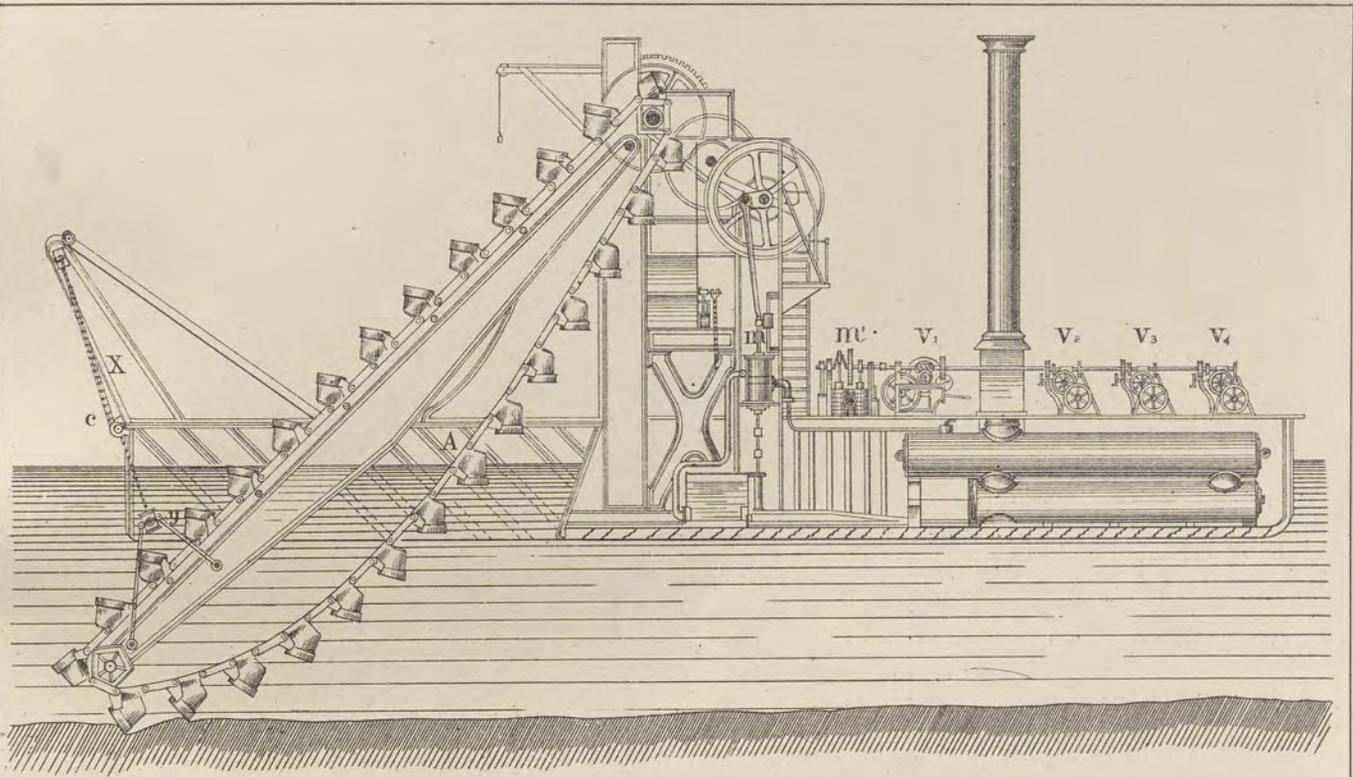


FIG. 1 *La draga Gouin*

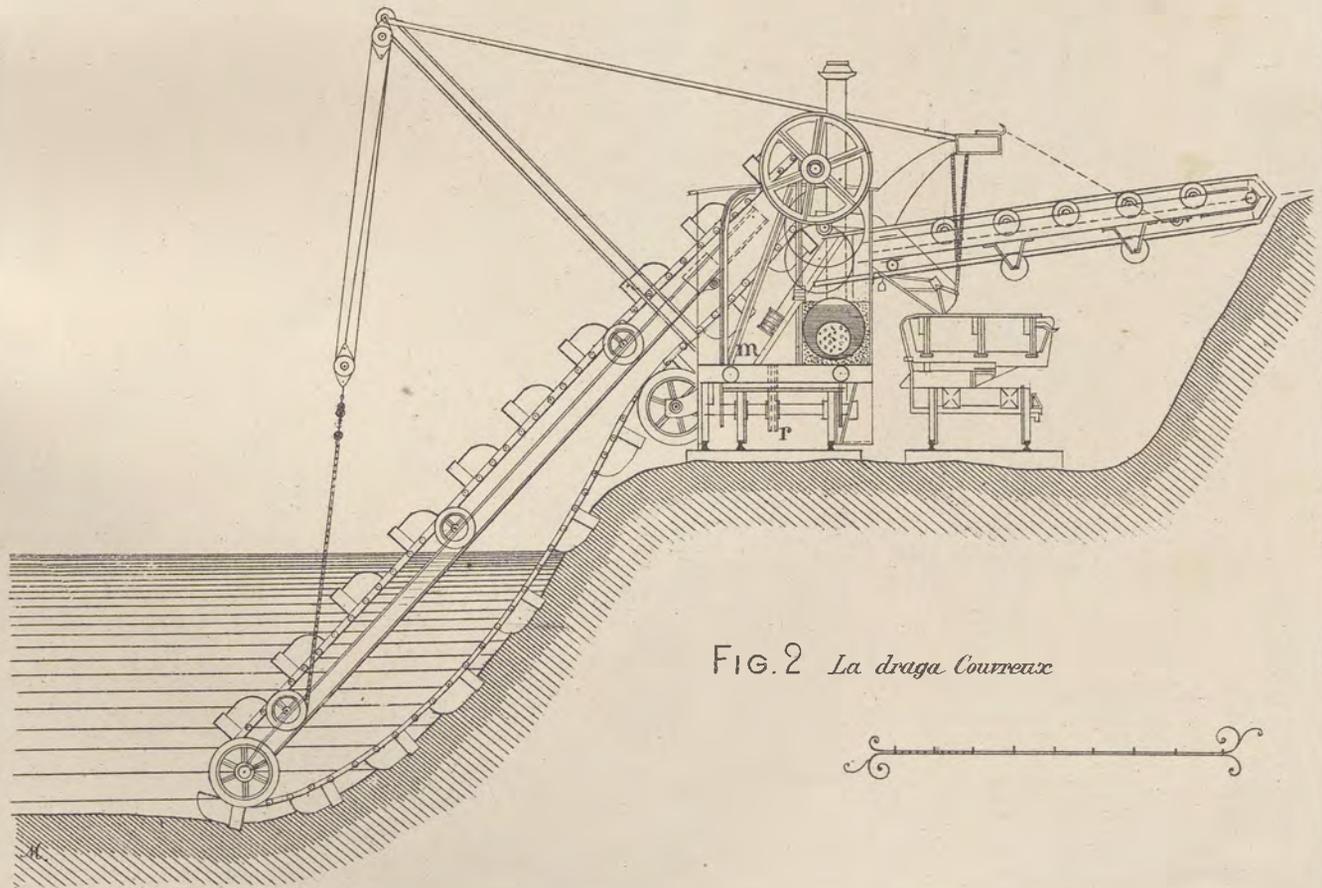


FIG. 2 *La draga Courreux*



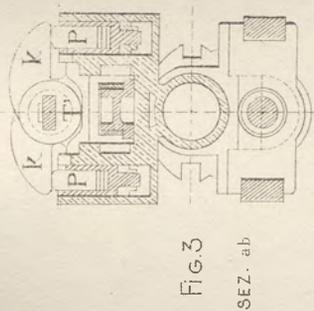


Fig. 3
SEZ. ab

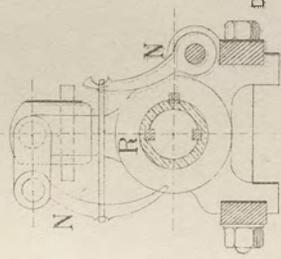
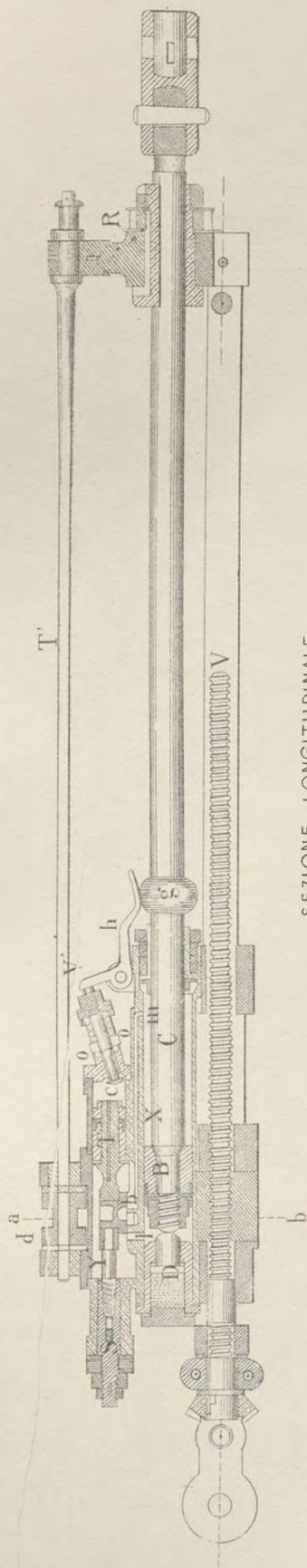
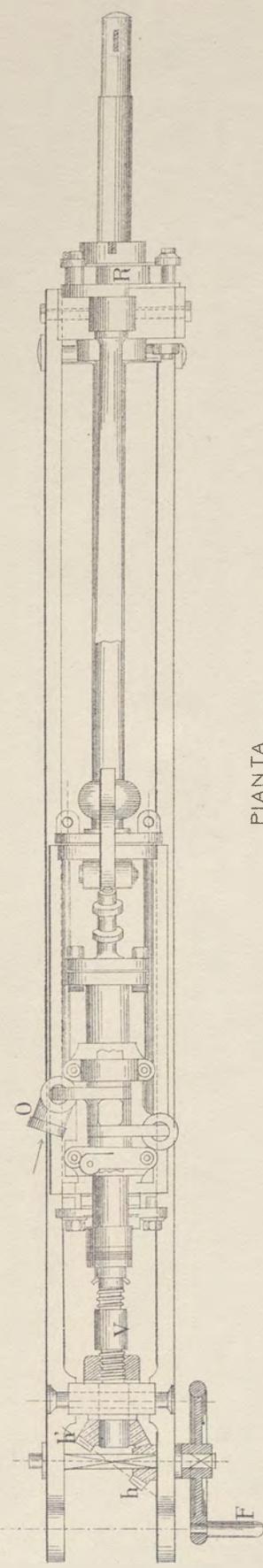


Fig. 4
APPARECCHIO
DI ROTAZIONE



SEZIONE LONGITUDINALE
Fig. 1



PIANTA
Fig. 2

LA PERFORATRICE DUBOIS-FRANCOIS

FIG. 1
SEZIONE LONGITUDINALE

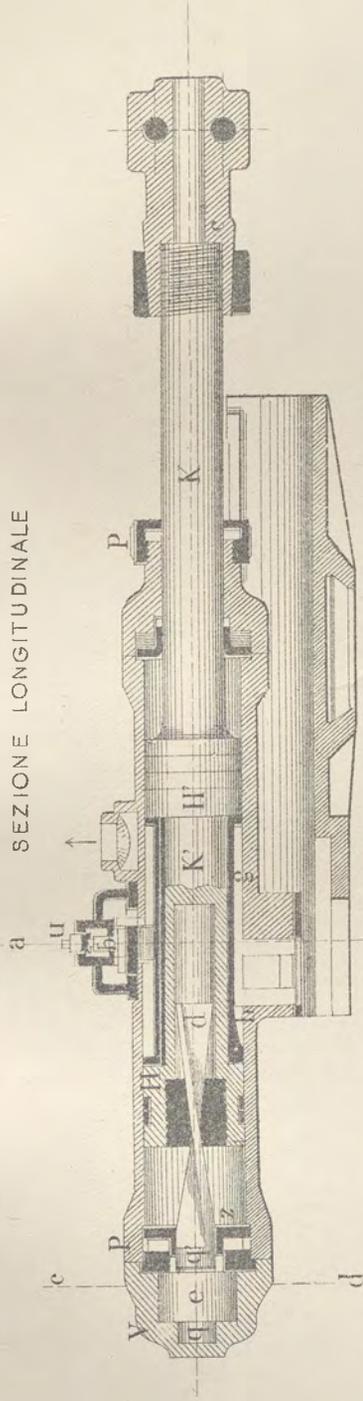


FIG. 3 SEZIONE ab

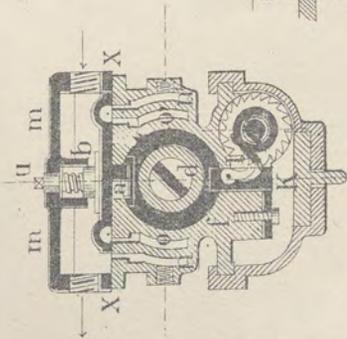


FIG. 4 SEZIONE cd

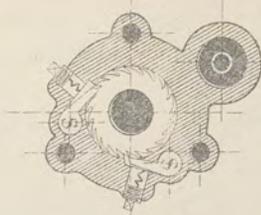


FIG. 5

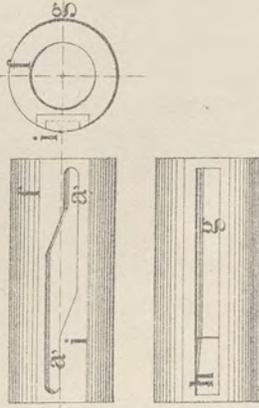


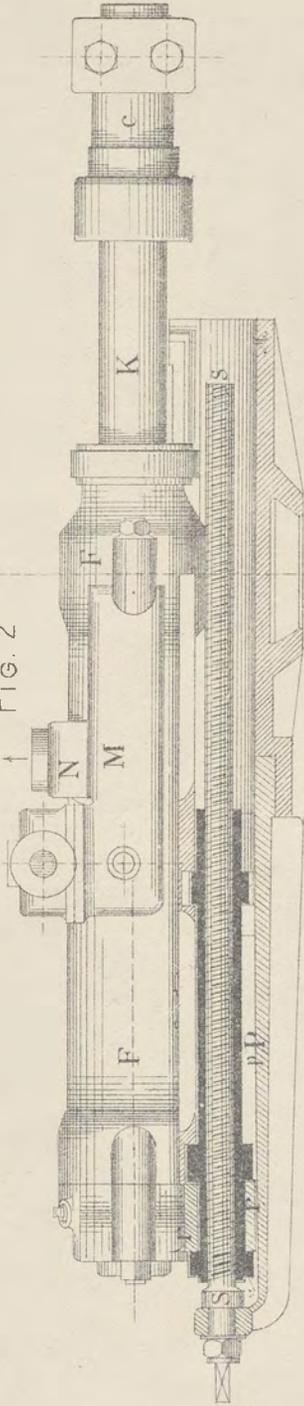
FIG. 6



PARTICOLARE. K



FIG. 2



LA PERFORATRICE ALLISON

M

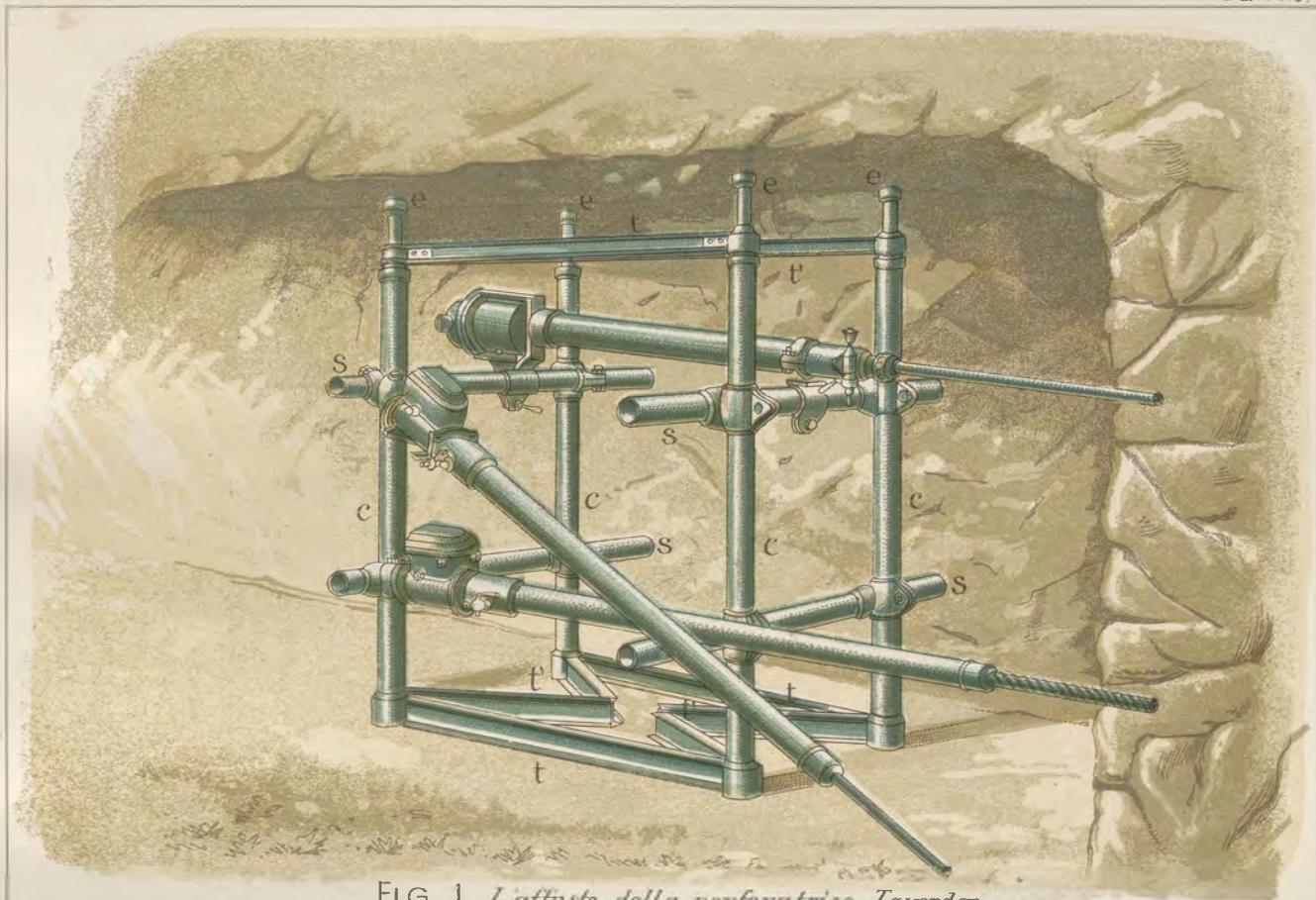


FIG 1 *L'affusto della perforatrice Taverdou*

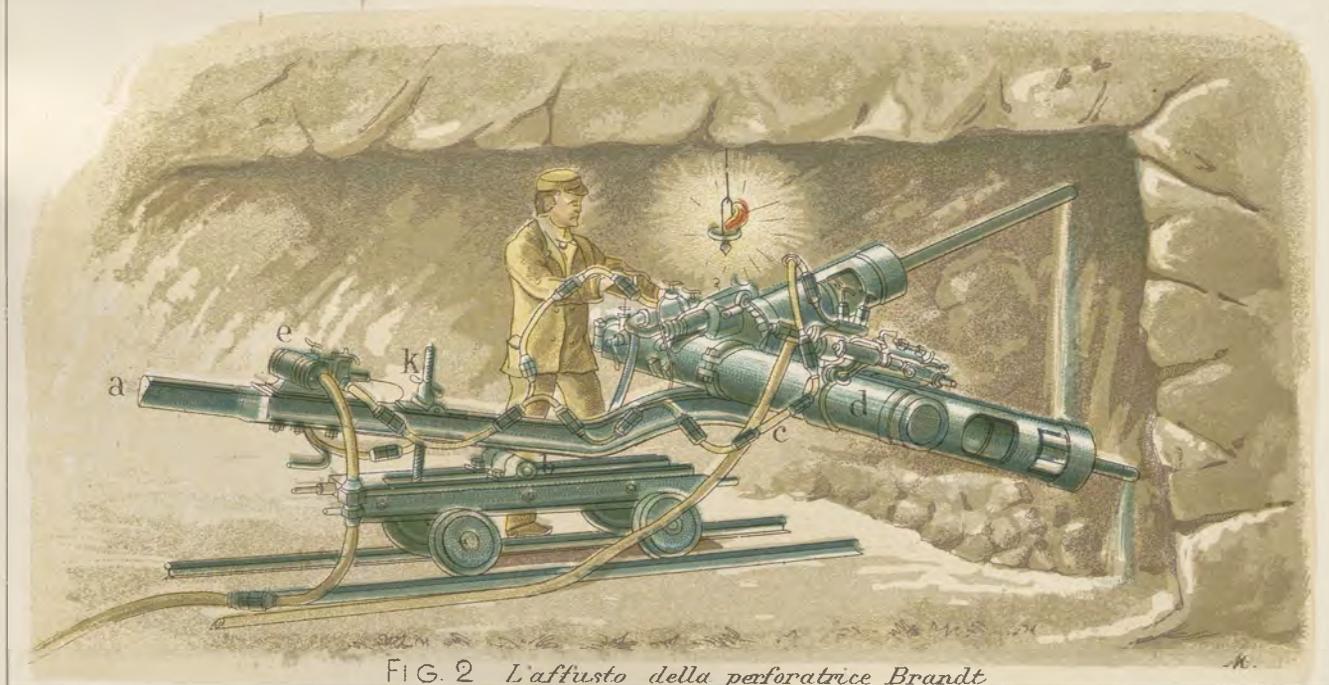


FIG. 2 *L'affusto della perforatrice Brandt*

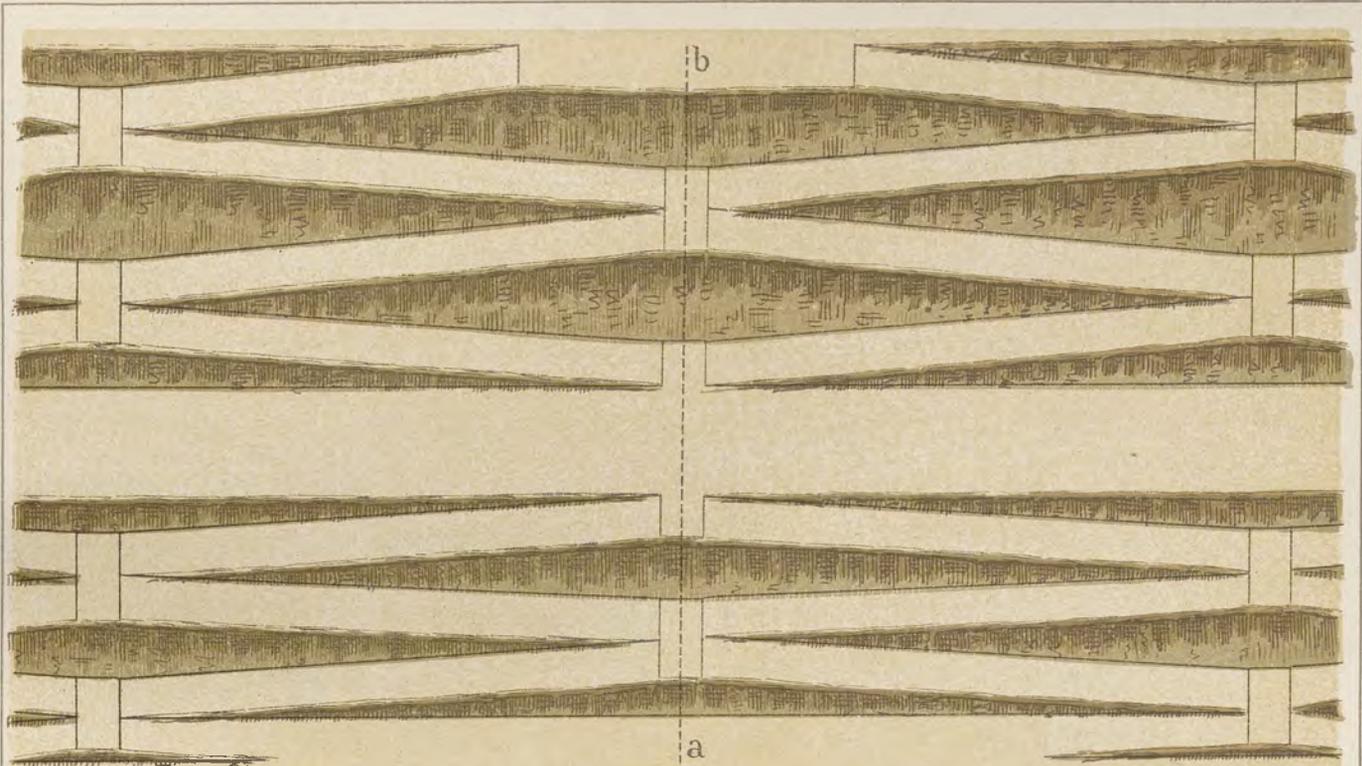


FIG. 3



FIG. 4

FIG. 1 *Le rampe multiple di servizio nei grandi sterri*

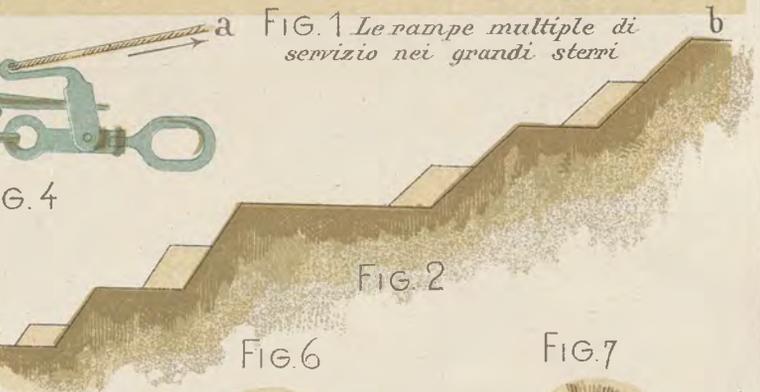


FIG. 2

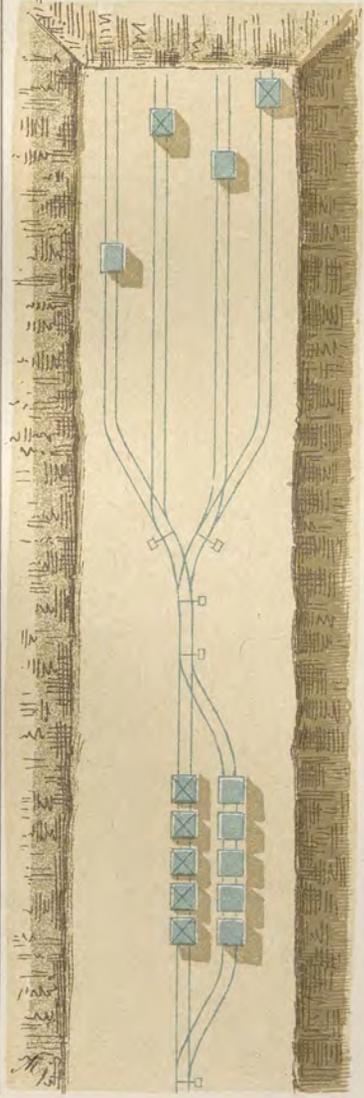


FIG. 5

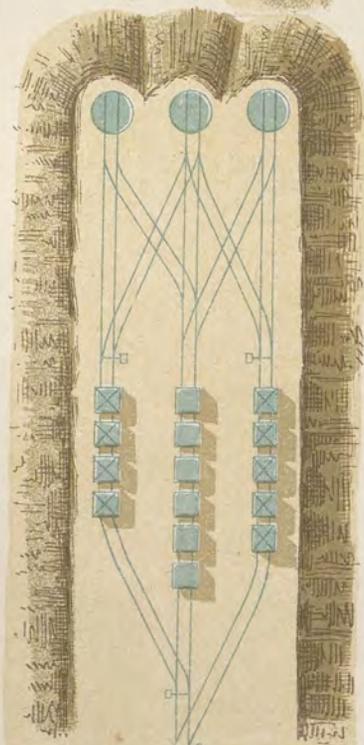


FIG. 6



FIG. 7

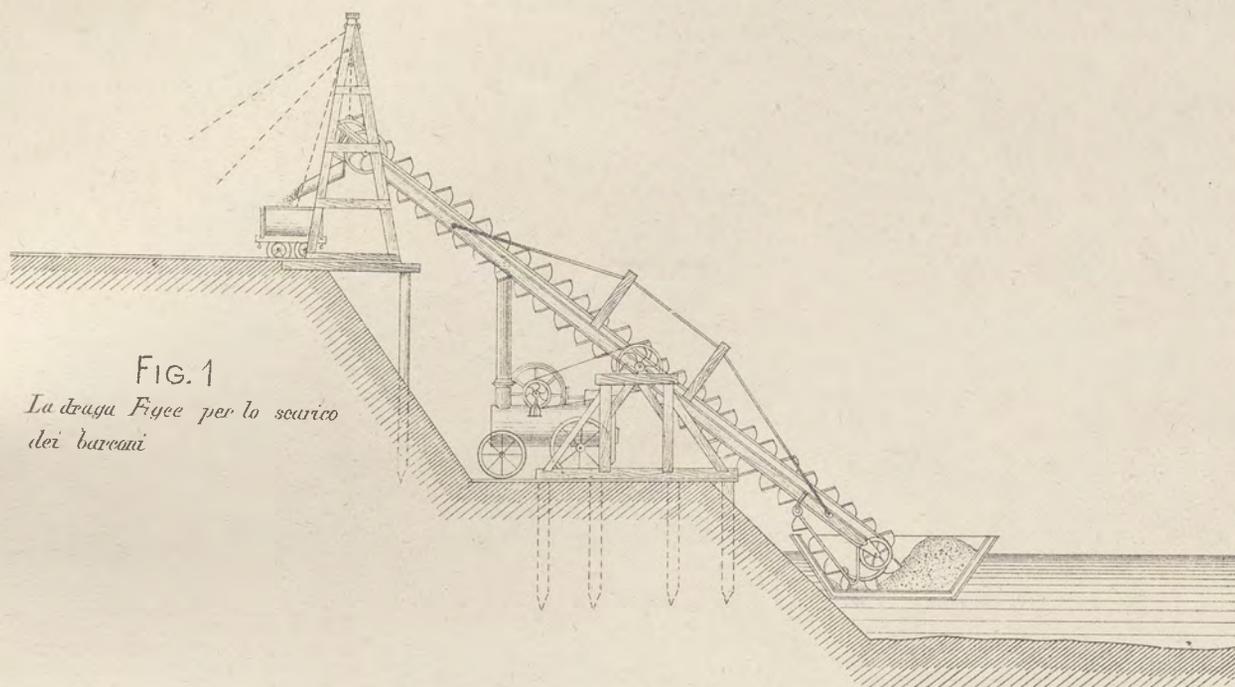


FIG. 1
*La draga Figee per lo scarico
dei barconi*

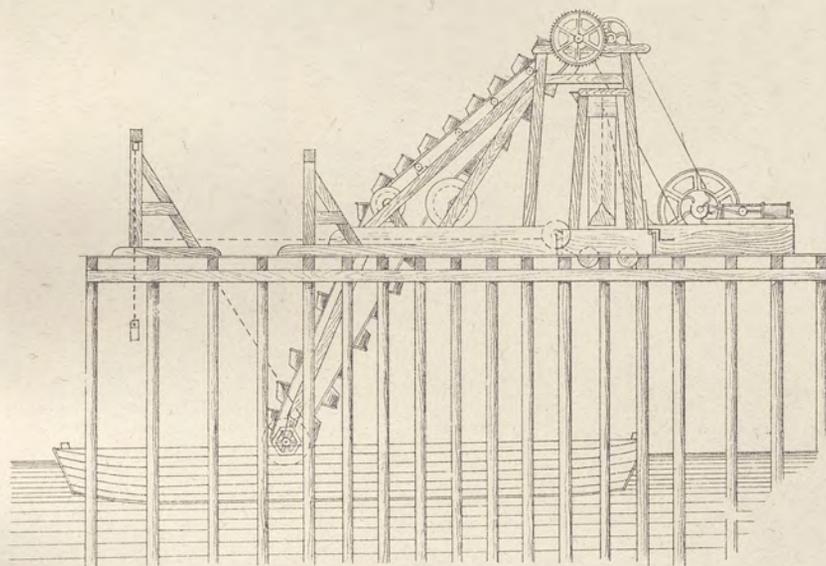


FIG. 2 *La draga Figee di grande portata*

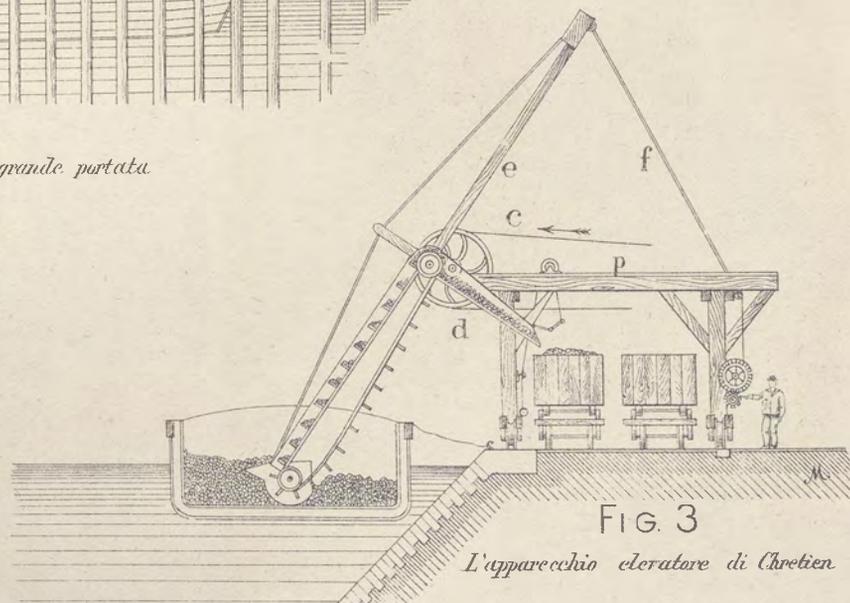


FIG. 3
L'apparecchio elevatore di Chretien

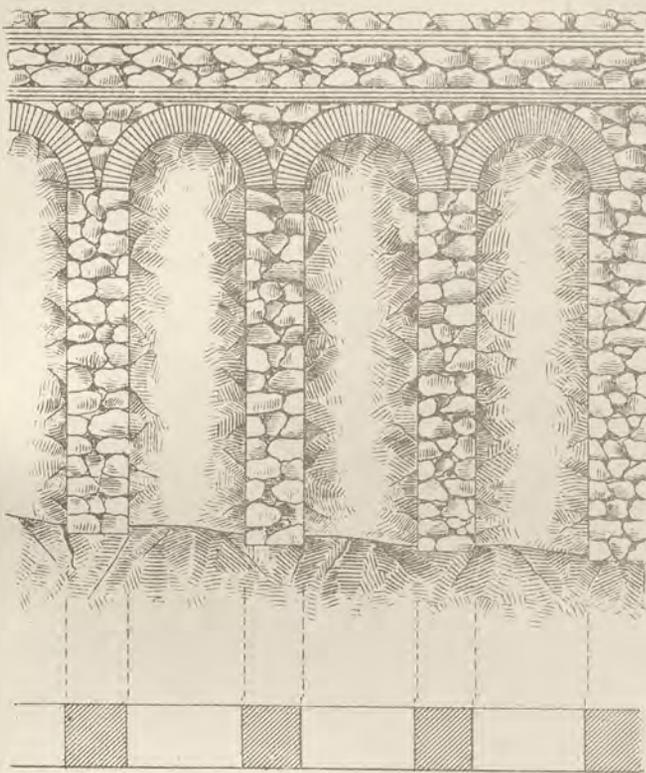


FIG. 1 *La fondazione con pilastri*

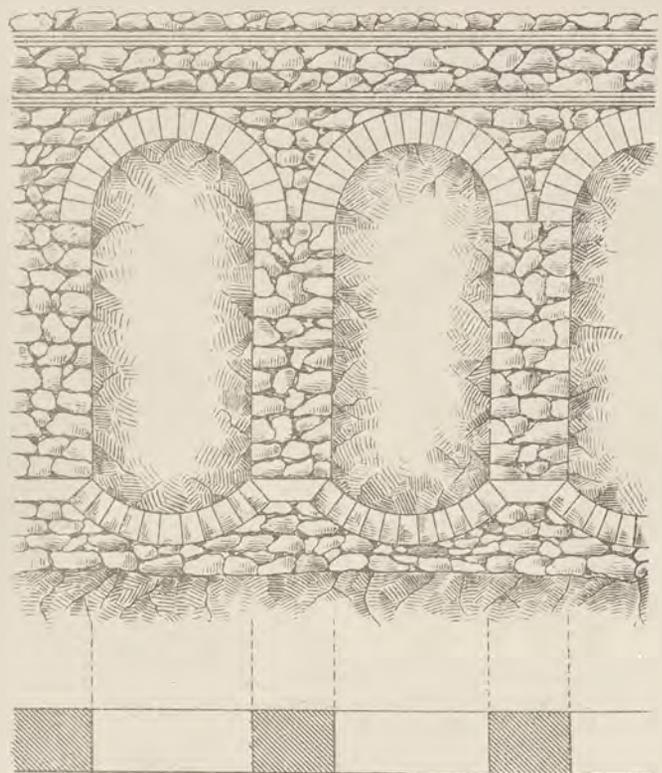


FIG. 2 *La fondazione con archi rovesci*

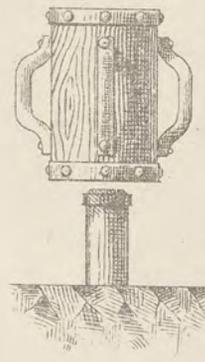
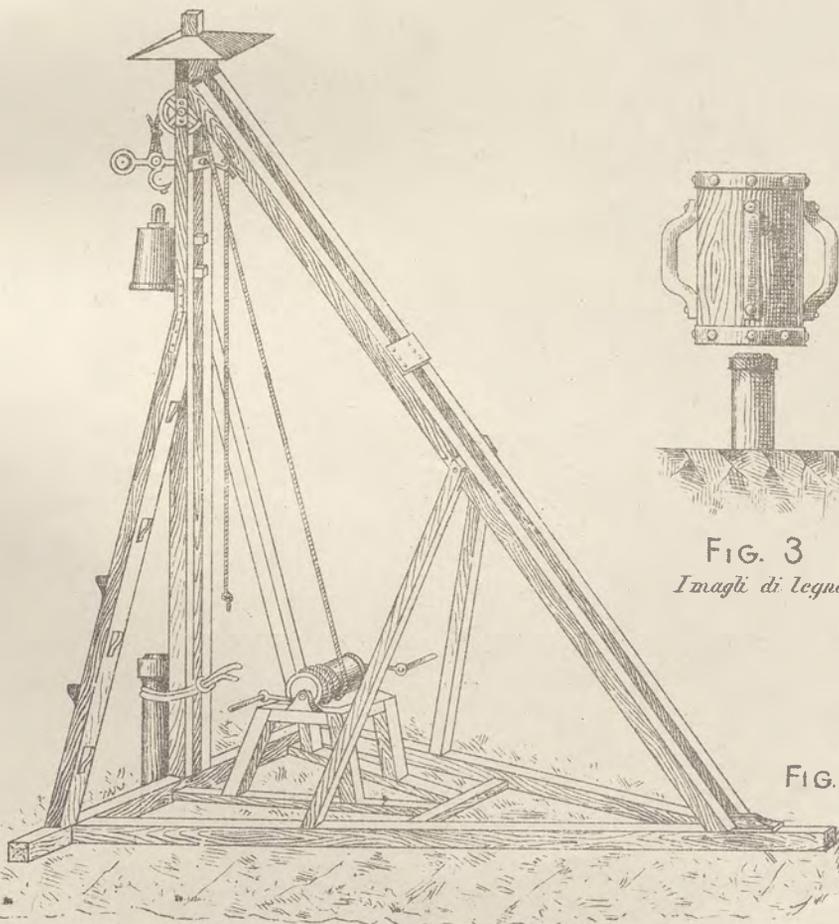


FIG. 3
Imaghi di legno per l'affondamento dei pali

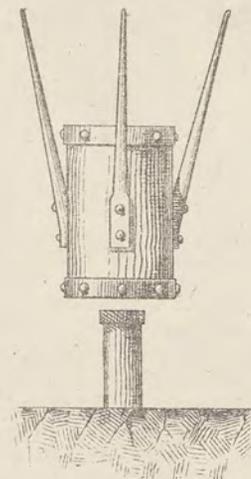


FIG. 4

FIG. 5 *Il battipalo del sistema Rua*





FIG. 1

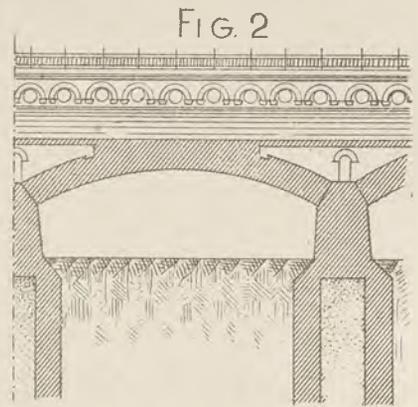


FIG. 2

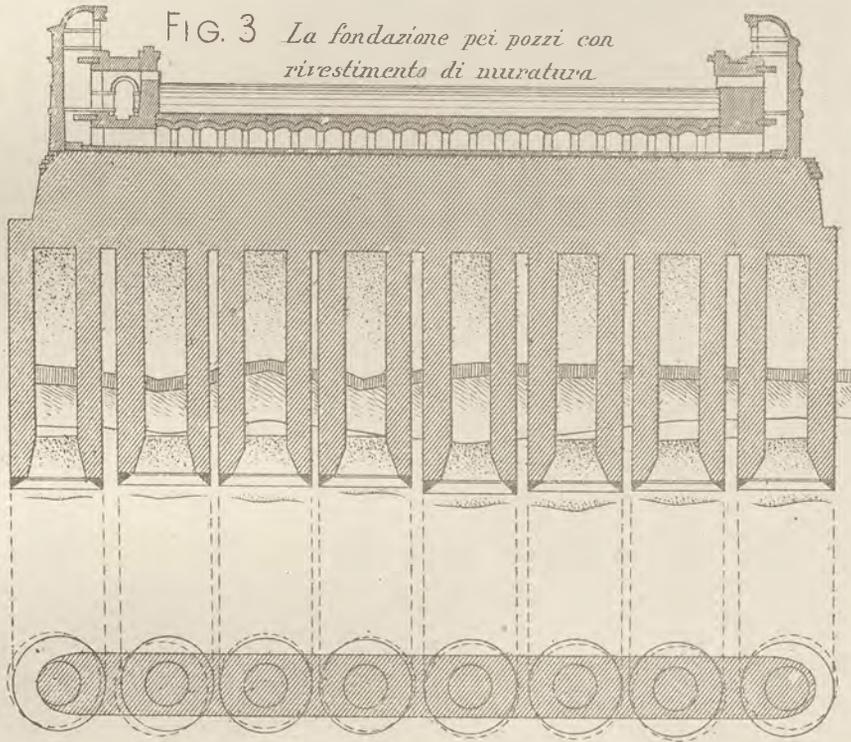


FIG. 3 *La fondazione per pozzi con rivestimento di muratura*

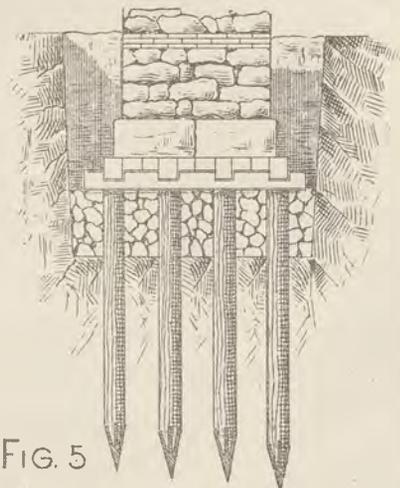


FIG. 5

La fondazione con sostegni di palafitte

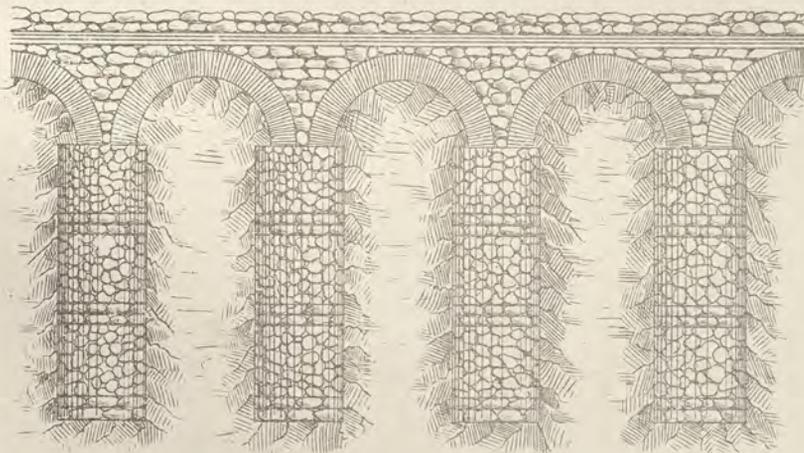
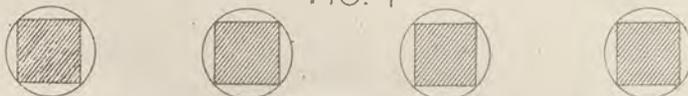
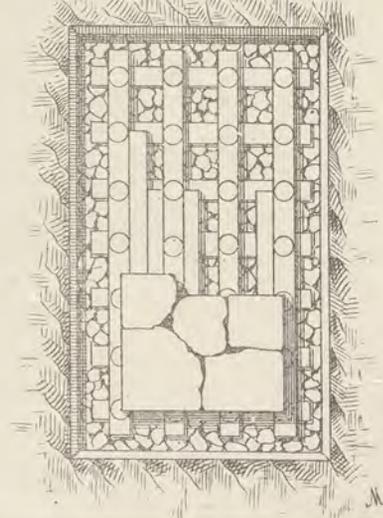


FIG. 4



La fondazione per pozzi



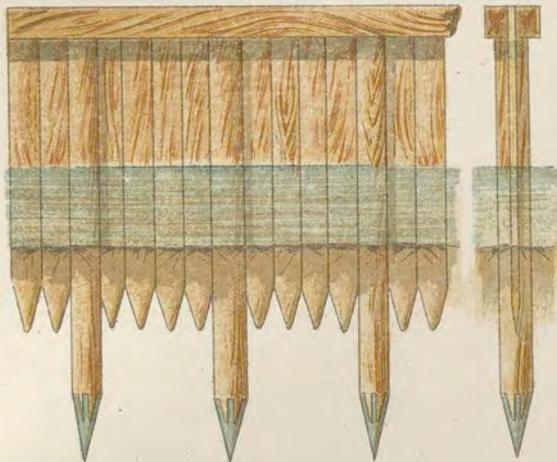


FIG. 1 La parete di tavole nelle ture

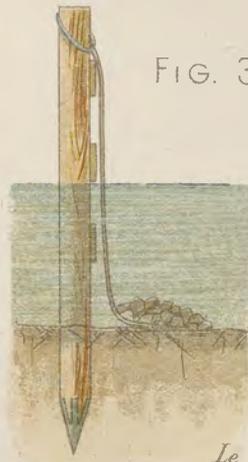


FIG. 3



Le ture di tela

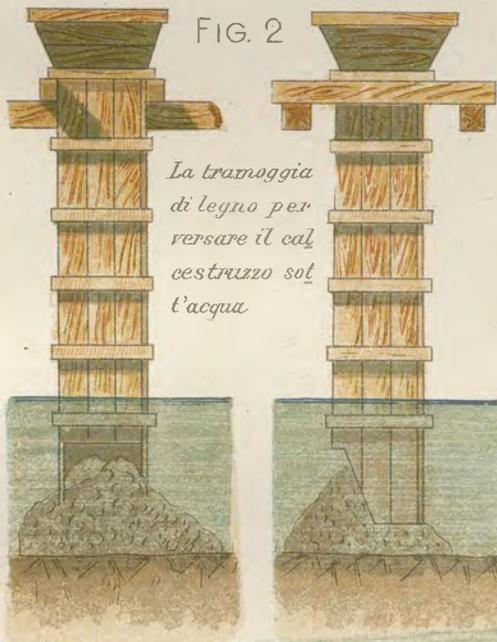


FIG. 2

La tramoggia di legno per versare il calcestruzzo sott'acqua

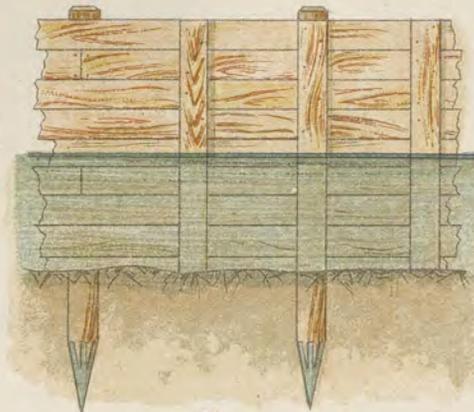


FIG. 4

L'altra maniera di costruire le pareti di tavole nelle ture

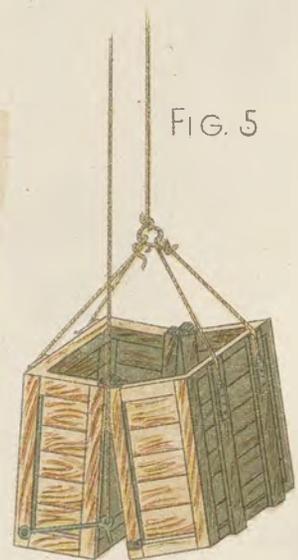


FIG. 5

La cassetta di legno per versare il calcestruzzo sott'acqua

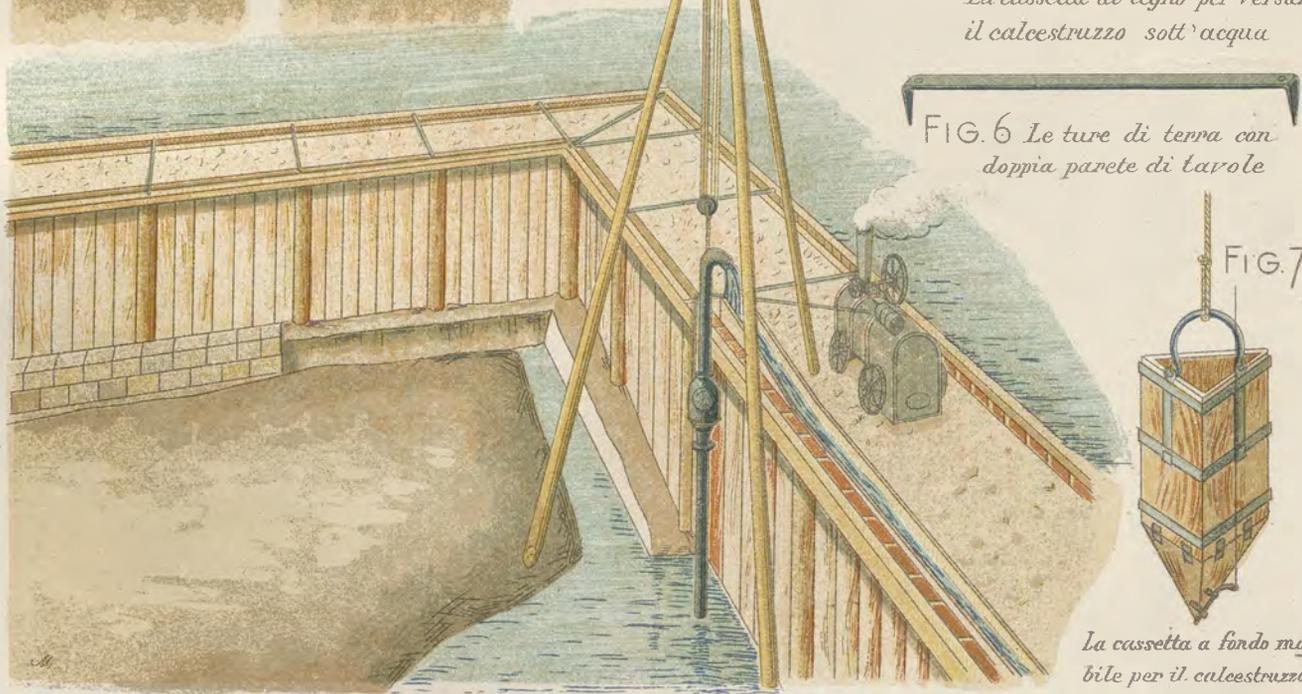


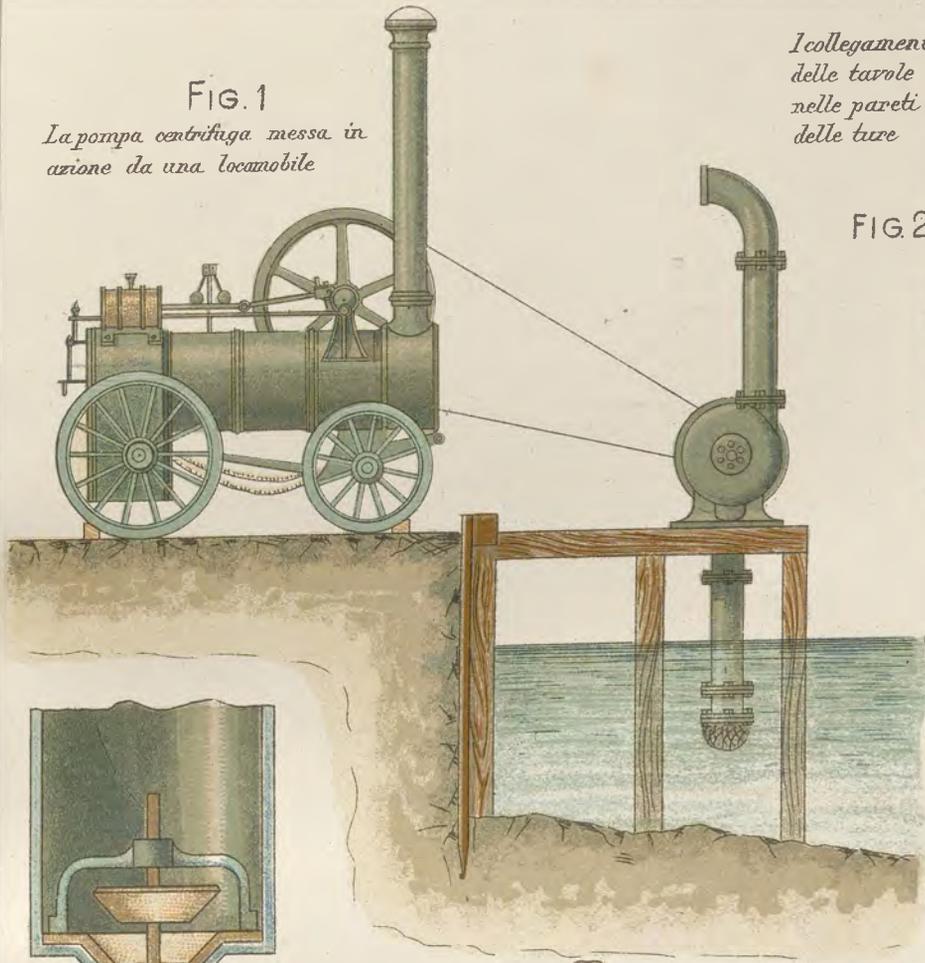
FIG. 6 Le ture di terra con doppia parete di tavole



FIG. 7

La cassetta a fondo mobile per il calcestruzzo

FIG. 1
La pompa centrifuga messa in azione da una locomobile



I collegamenti delle tavole nelle pareti delle ture

FIG. 2

FIG. 3

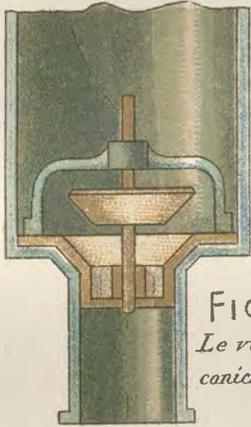
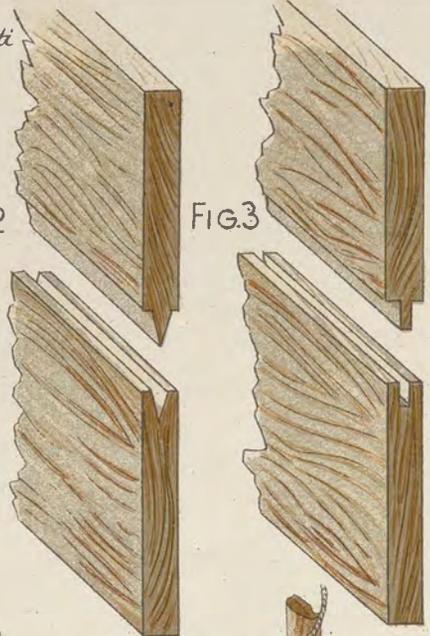


FIG. 7
Le valvole coniche



La cucchiaia di ferro per il versamento del calcestruzzo sott'acqua

FIG. 4

FIG. 5
La costruzione delle pareti nelle ture

FIG. 6

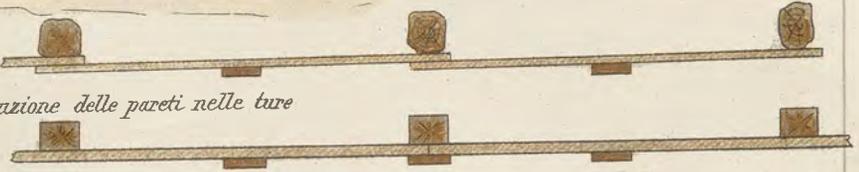
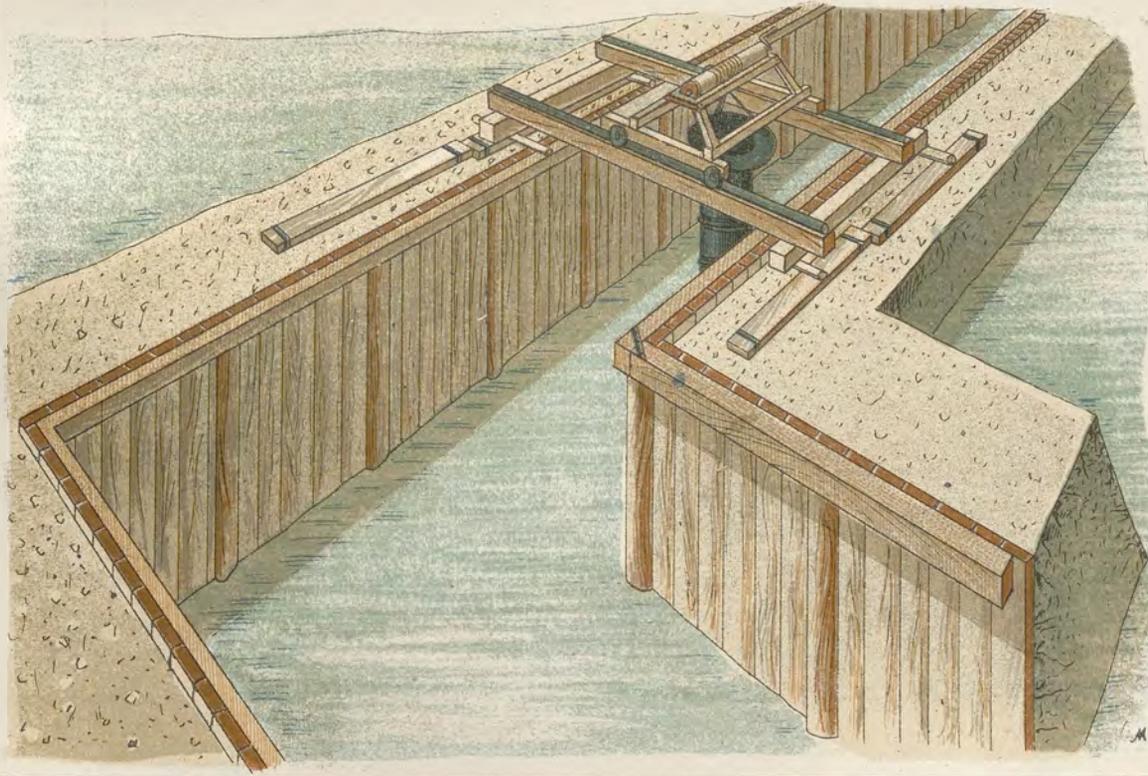


FIG. 8
Le ture di terra con una sola parete di tavole



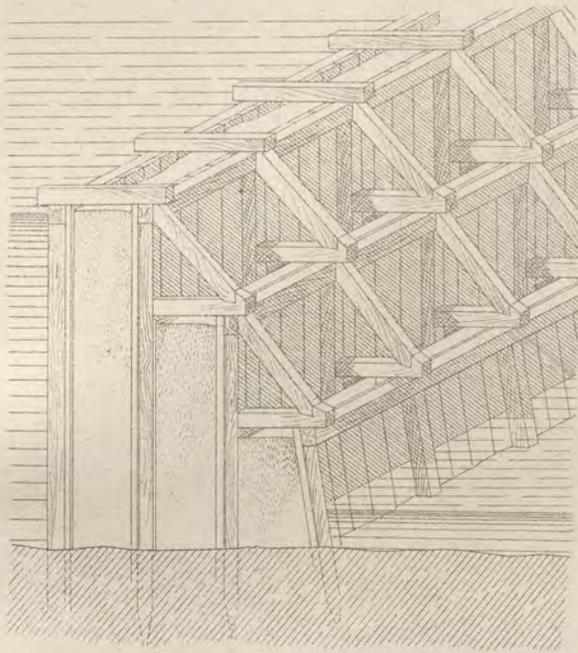


FIG. 2 *Le ture con spessore decrescente*

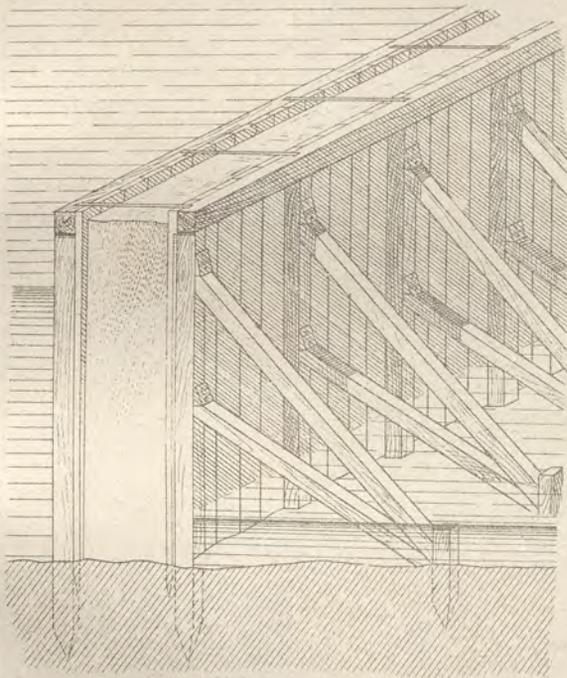


FIG. 3 *Le ture con spessore piccolo*

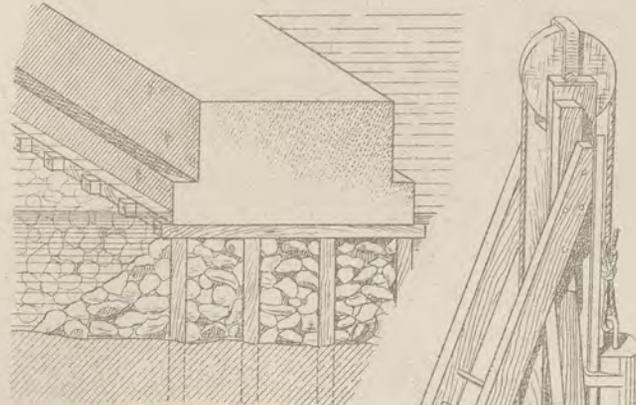


FIG. 1 *Le fundazioni con castelli di legname e sassate*

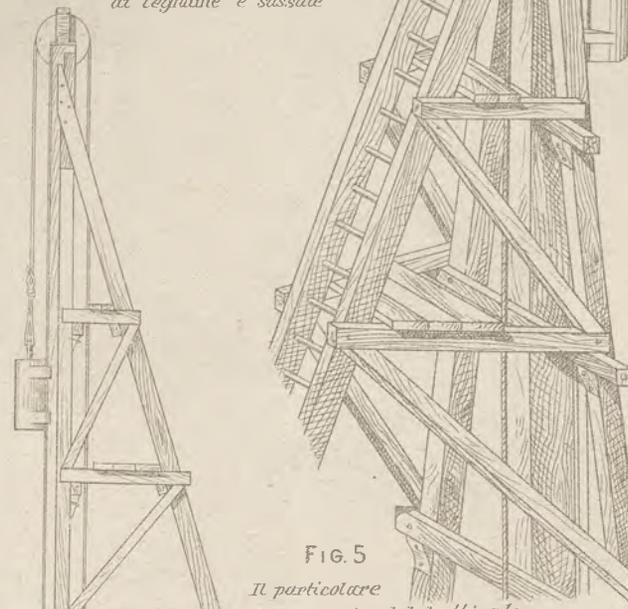


FIG. 5 *Il particolare della cresta del battipalo*

FIG. 4 *Il battipalo berta galleggiante per l'affondamento dei pali*



FIG. 6

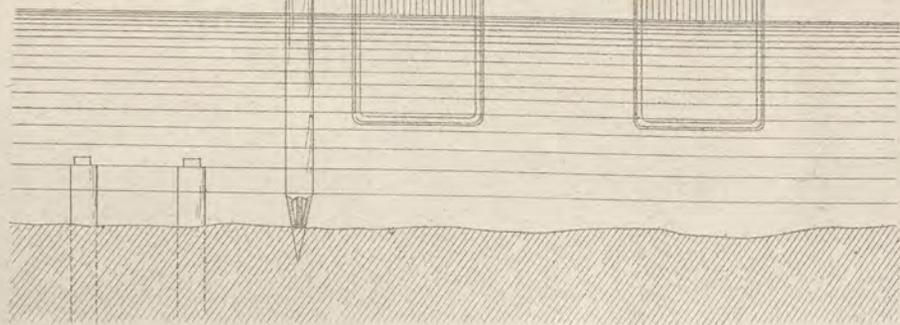


FIG. 7

I particolari del battipalo



FIG. 8



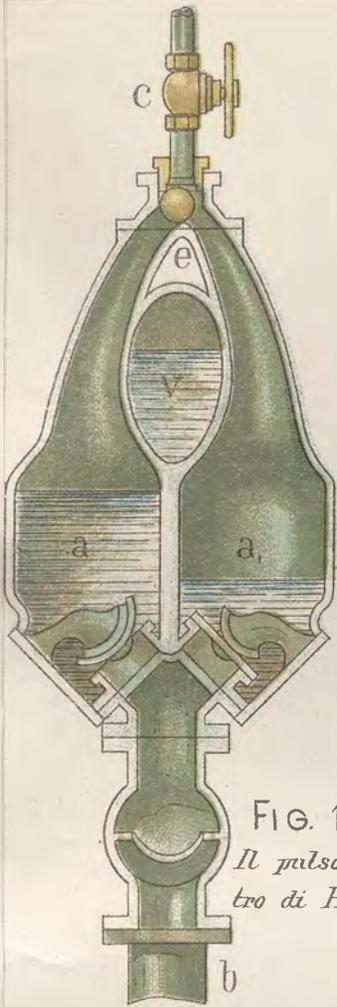


FIG. 1
Il pulsometro di Hall

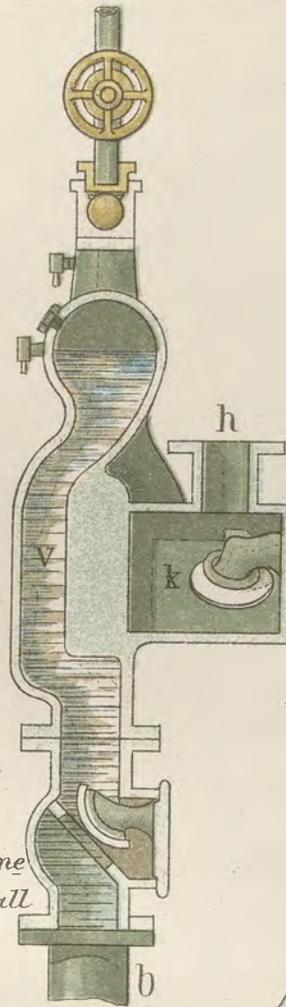


FIG. 2 *La pompa rotativa*

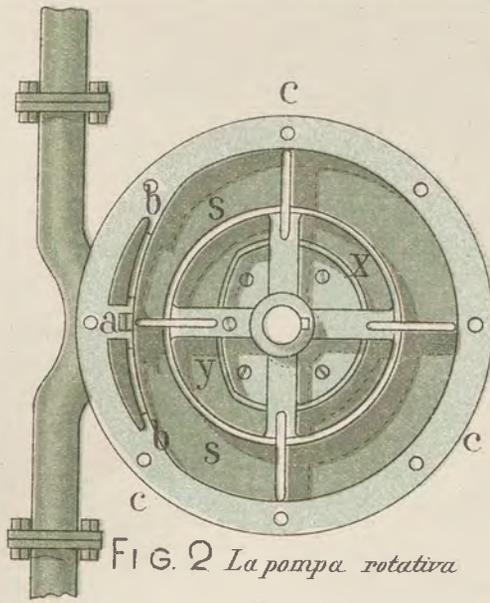


FIG. 3
I pulsometri sovrapposti

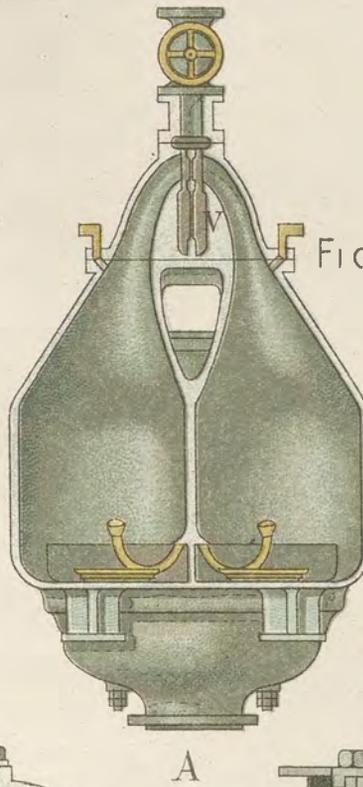


FIG. 4

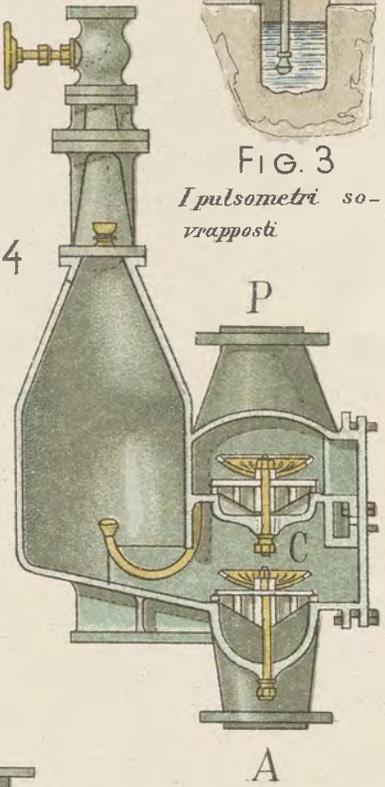


FIG. 5 *La valvola con scorrimento verticale*

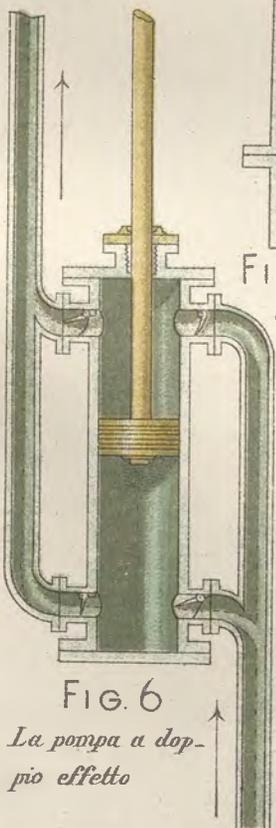


FIG. 6
La pompa a doppio effetto

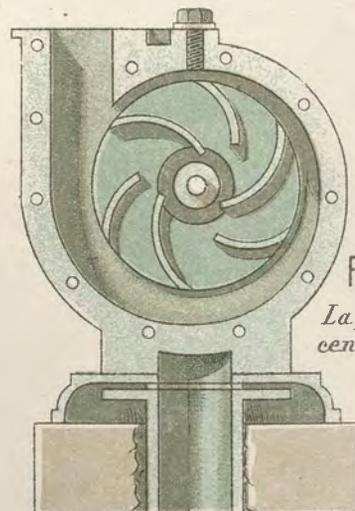
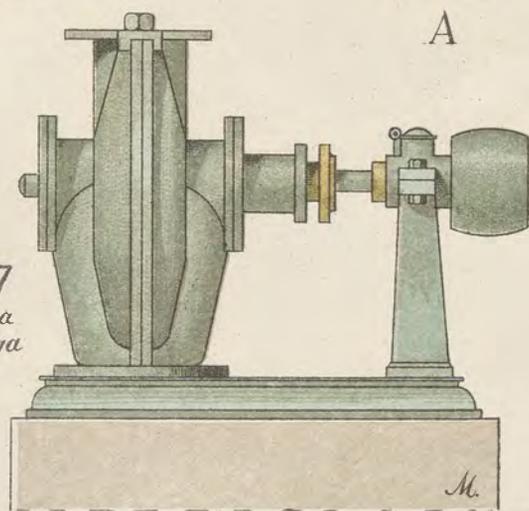


FIG. 7
La pompa centrifuga



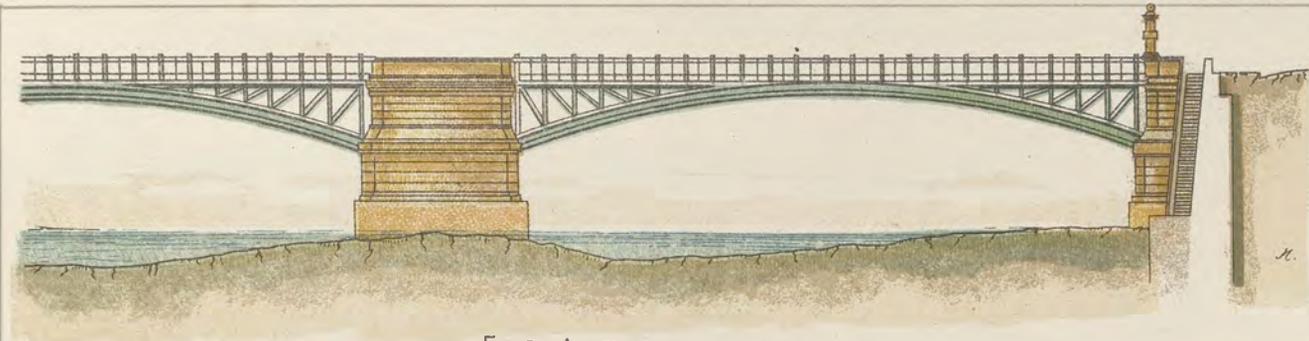


FIG. 1 *Il ponte Garibaldi in Roma.*

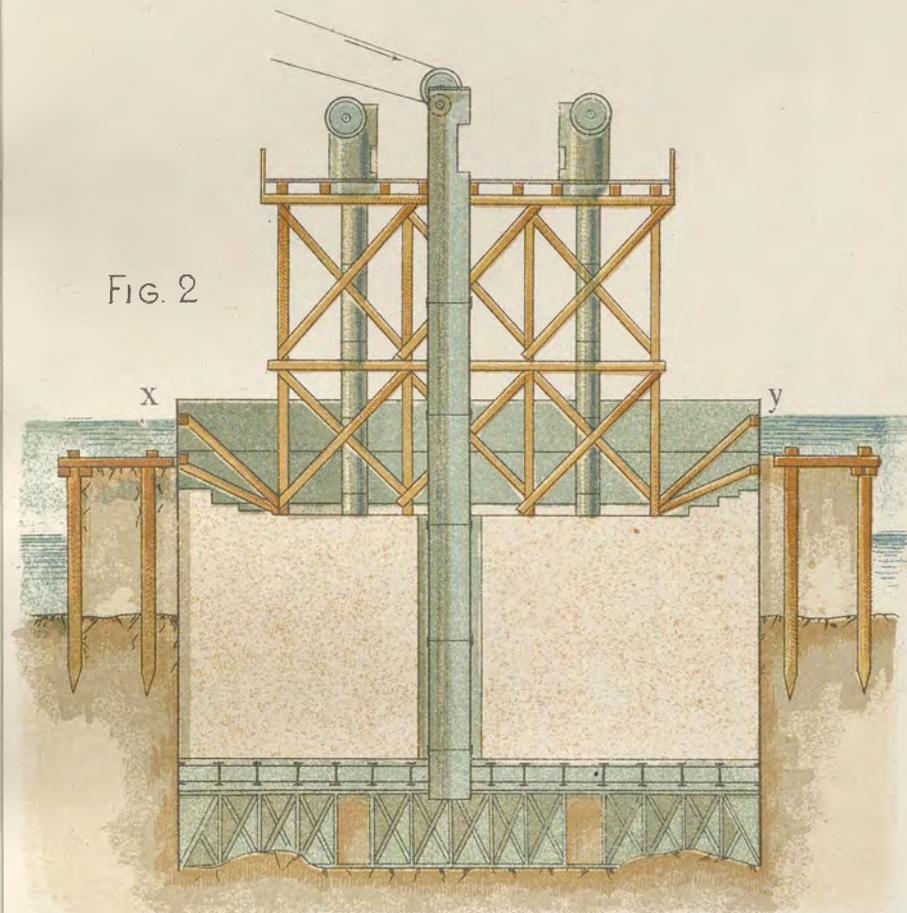


FIG. 2

Il cassone ed i particolari del cassone della pila centrale del ponte Garibaldi in Roma

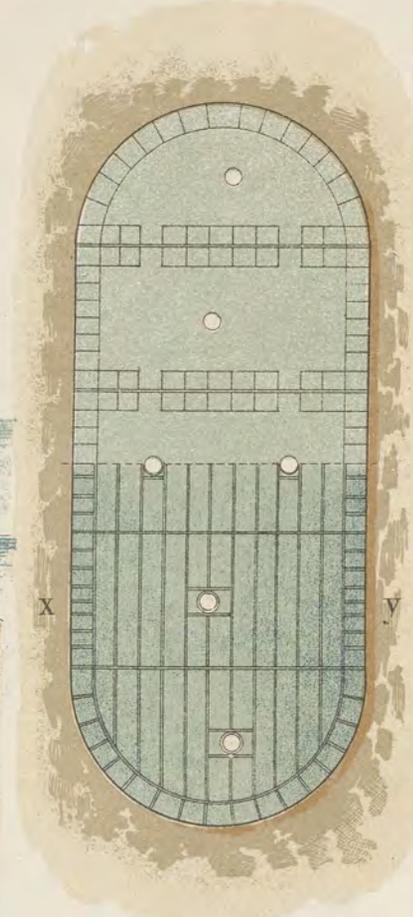


FIG. 3

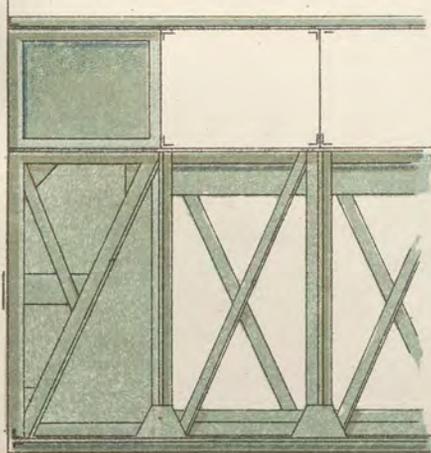


FIG. 4

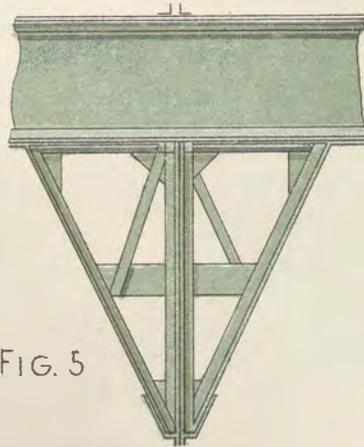


FIG. 5

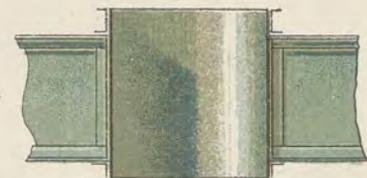


FIG. 6

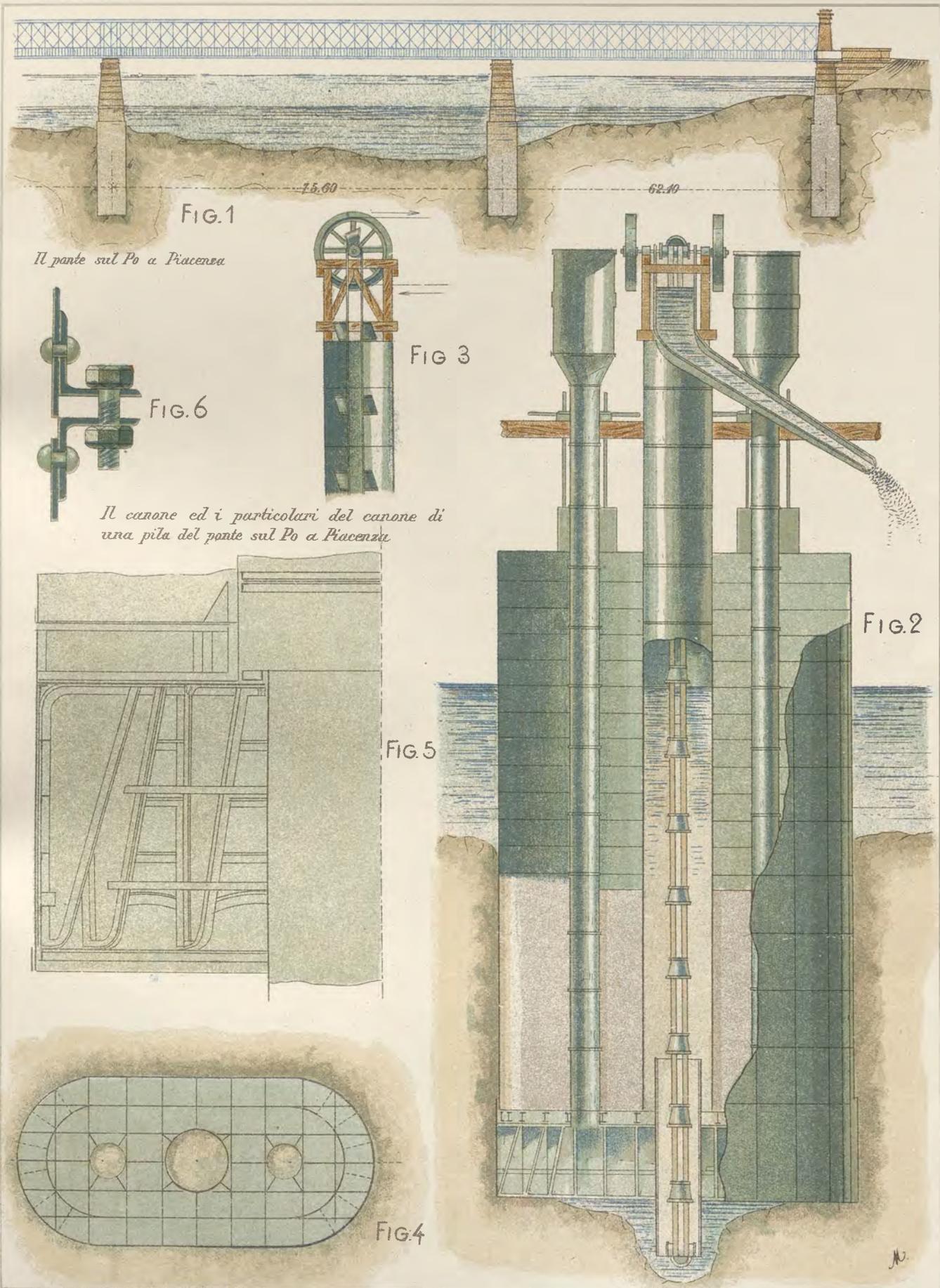


FIG. 1

Il ponte sul Po a Piacenza

FIG. 3

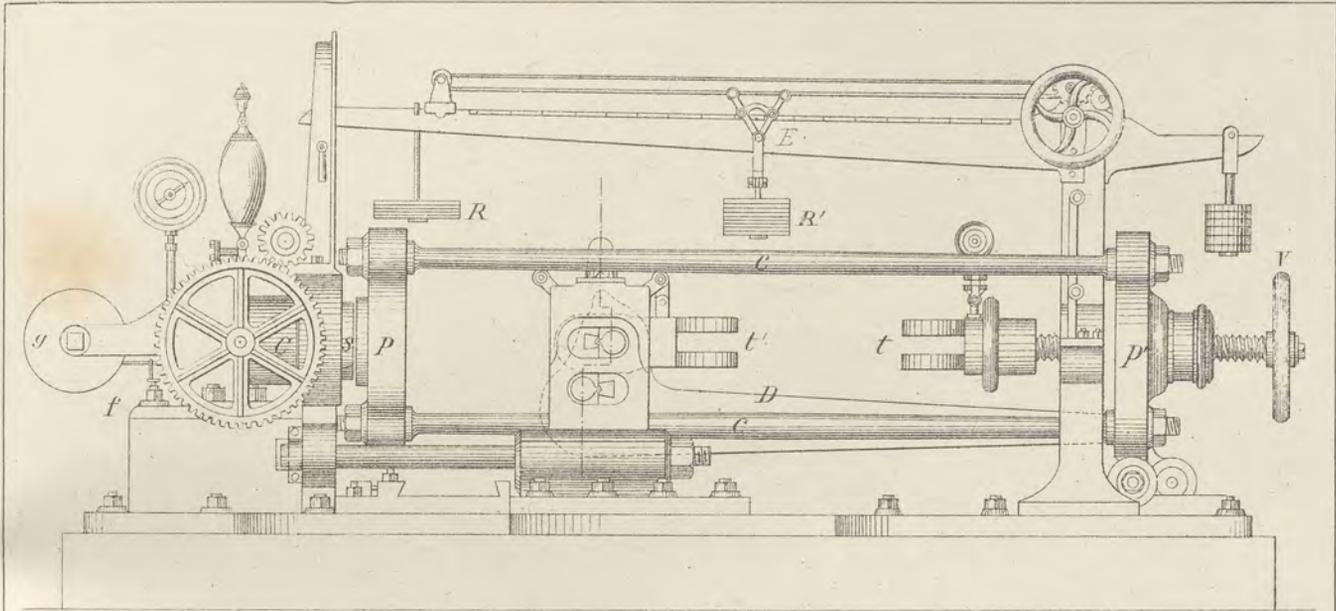
FIG. 6

Il canone ed i particolari del canone di una pila del ponte sul Po a Piacenza

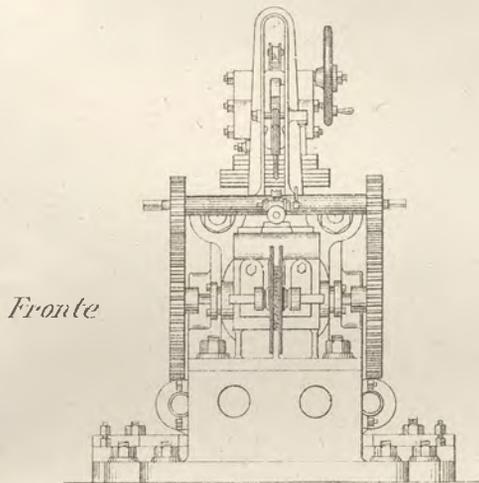
FIG. 2

FIG. 5

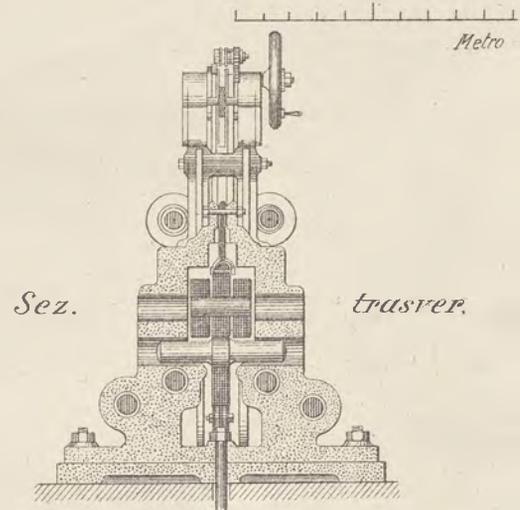
FIG. 4



Fianco



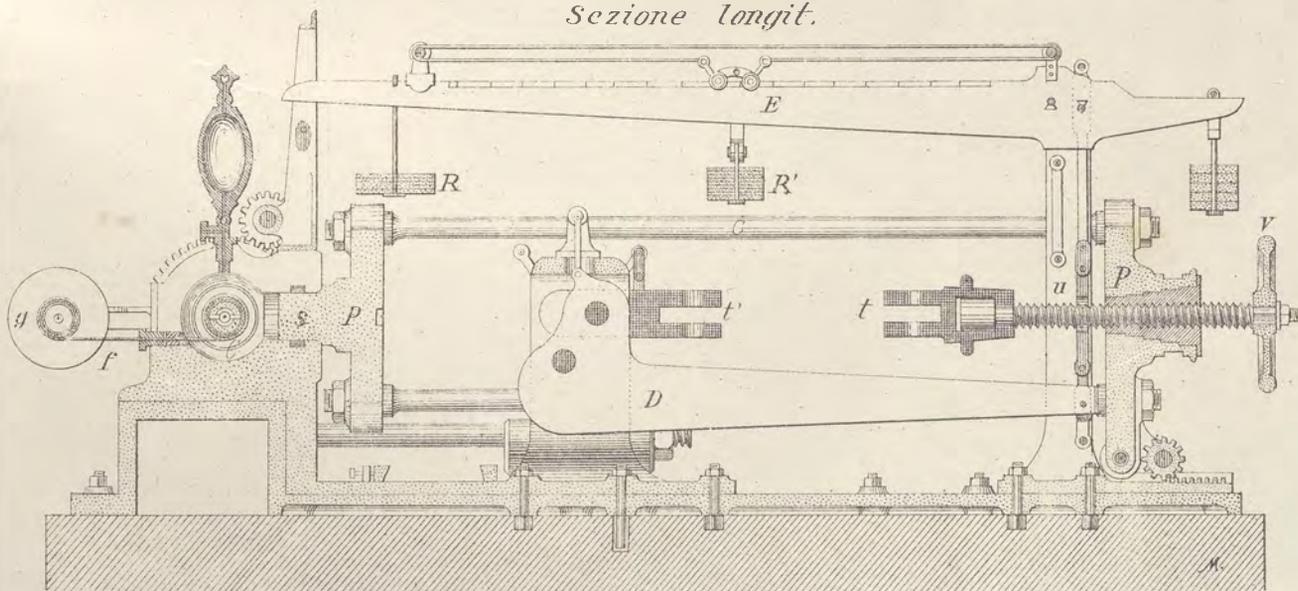
Fronte



Sez.

trasvers.

Sezione longit.



I laterizi pieni e cari più in uso

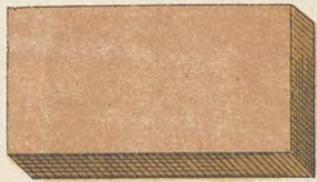


FIG. 1

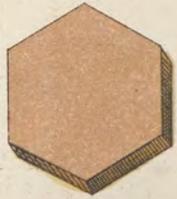
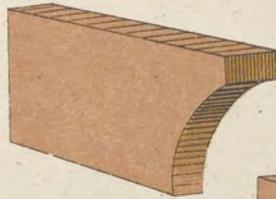


FIG. 2

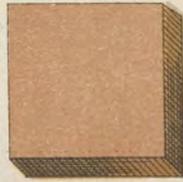


FIG. 3

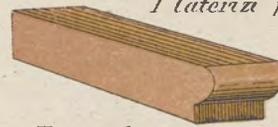


FIG. 4

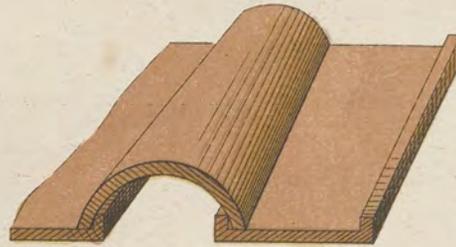
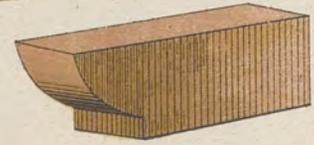
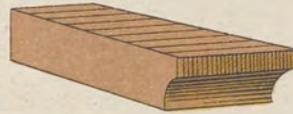


FIG. 6

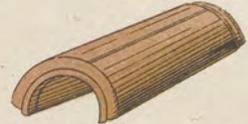


FIG. 7

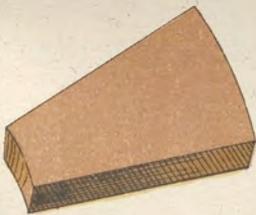


FIG. 5

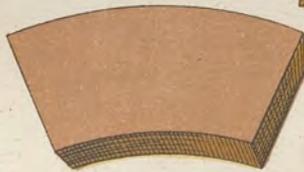


FIG. 9

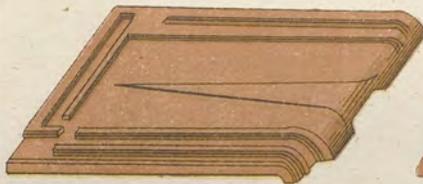


FIG. 8



FIG. 11

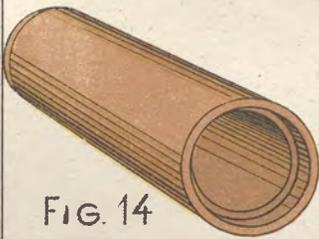


FIG. 14

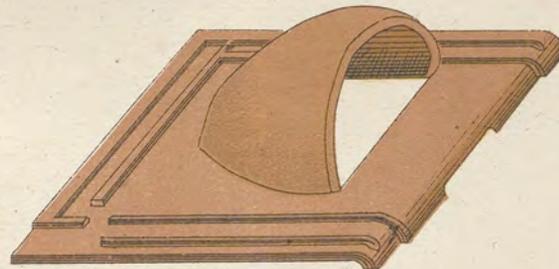


FIG. 10

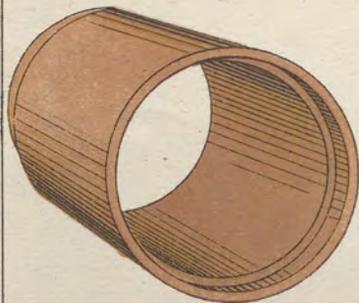


FIG. 13

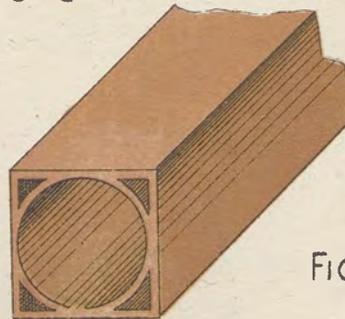
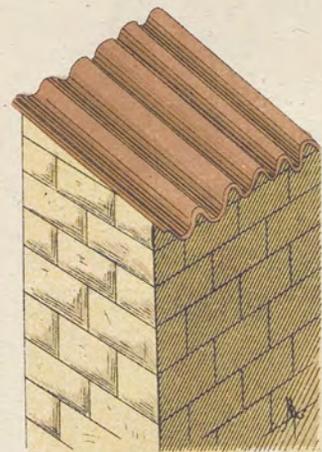


FIG. 12



Materiali forati di vario genere

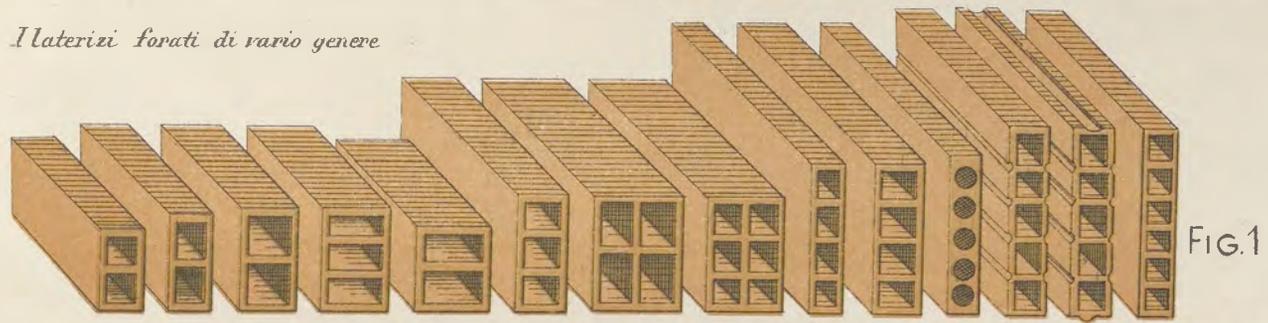


FIG. 1

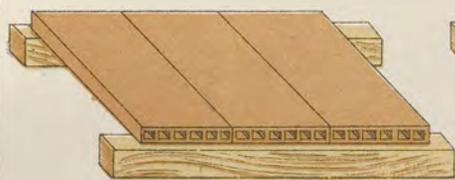


FIG. 2

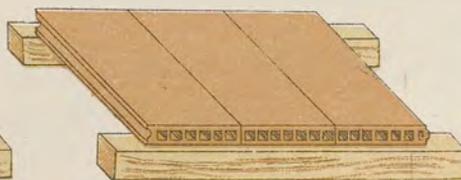


FIG. 3

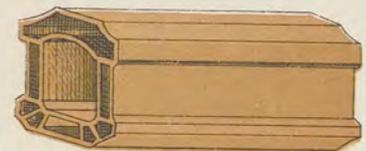


FIG. 4



FIG. 5

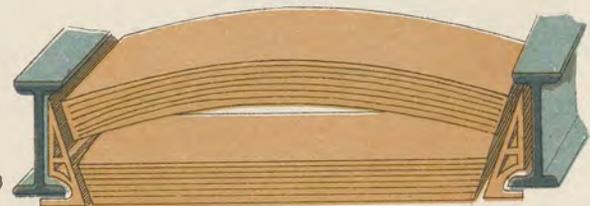


FIG. 10



FIG. 6



FIG. 7

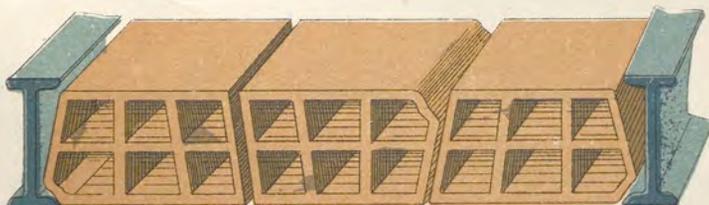


FIG. 8

FIG. 11

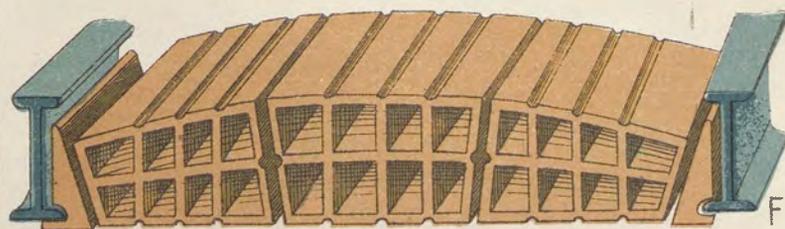
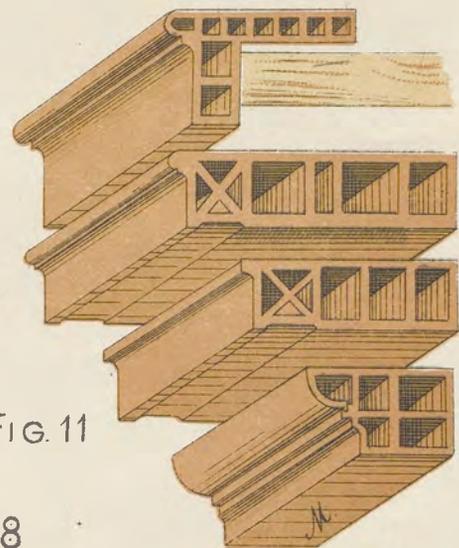
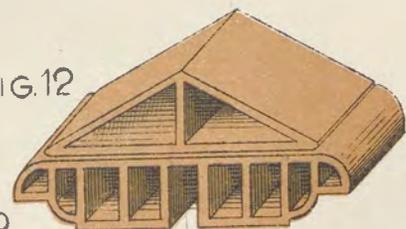


FIG. 9

FIG. 12



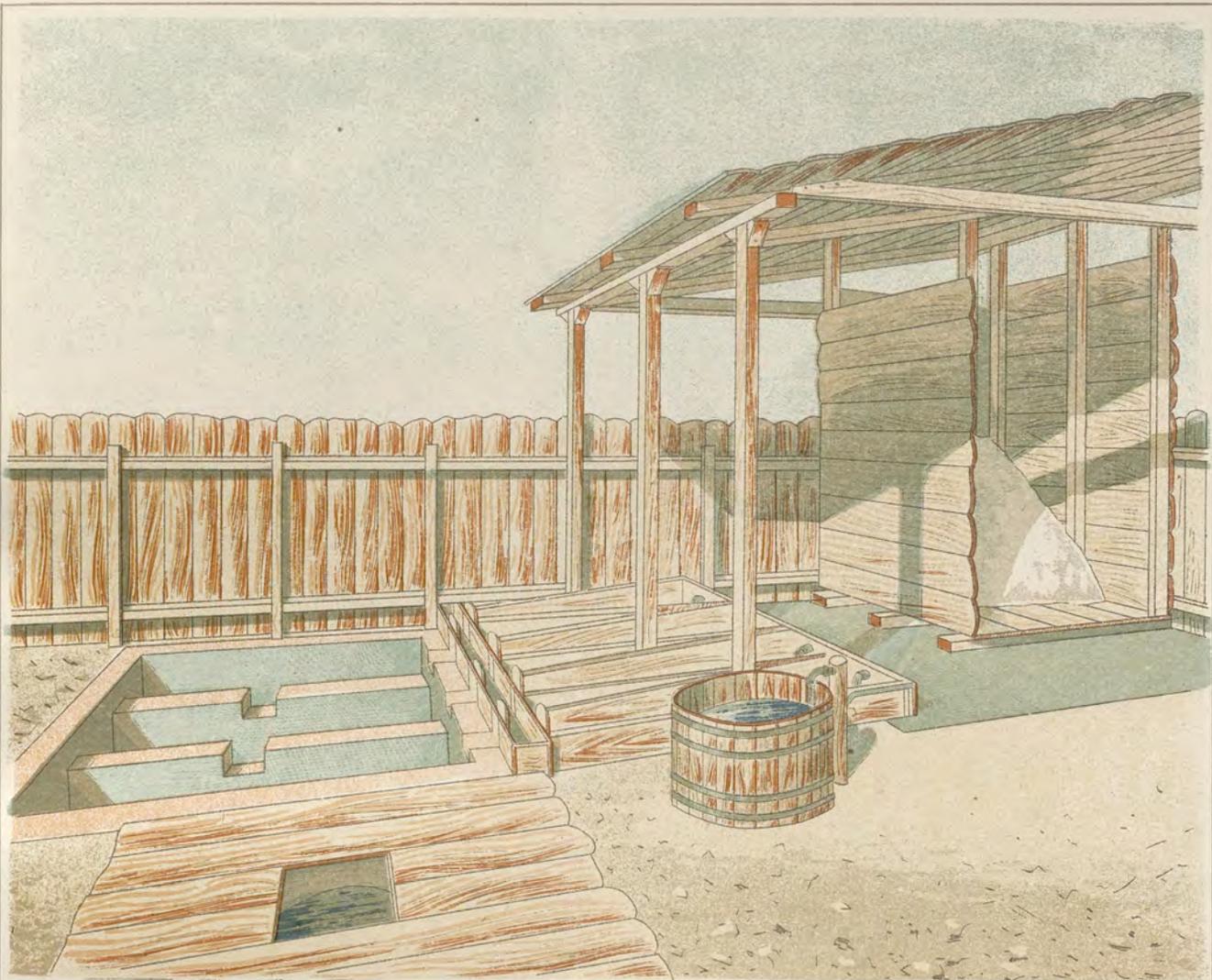


FIG. 1 *I truogoli e le fosse di deposito pel bagnamento e l'estinzione delle culci*

FIG 2
*La planimetria dei truogoli
e delle fosse*

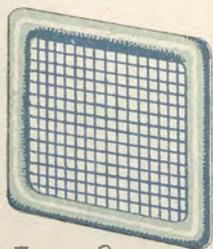
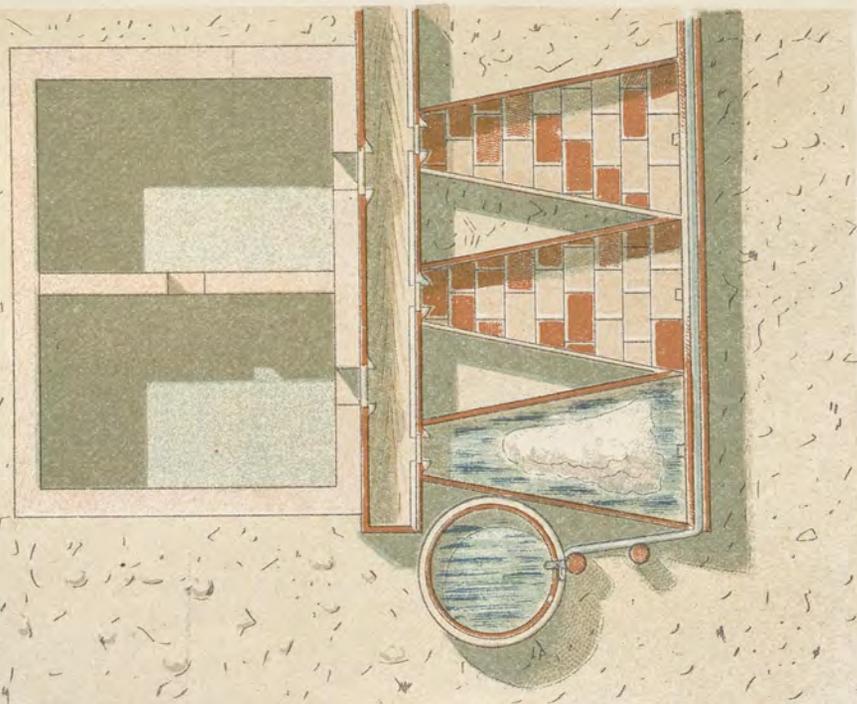
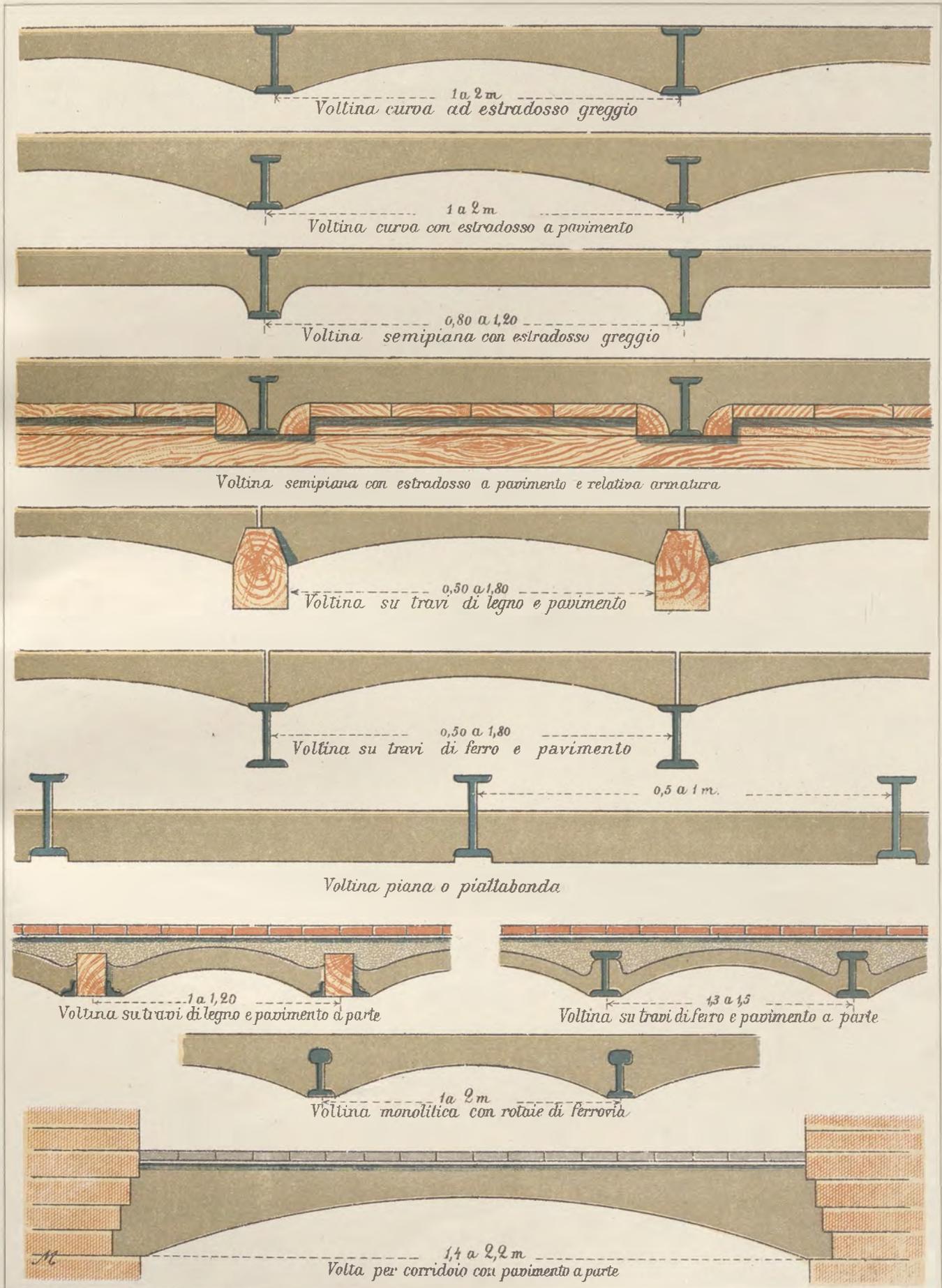


FIG. 3
La graticola



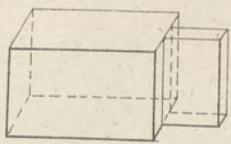


FIG. 1

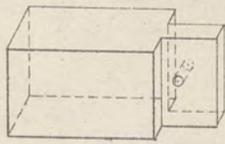


FIG. 2

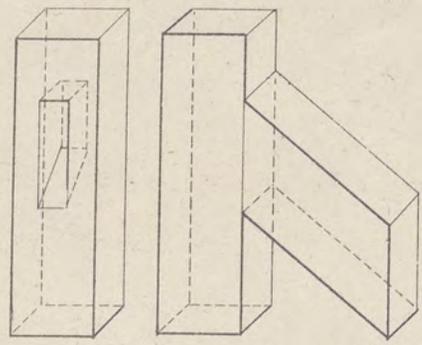
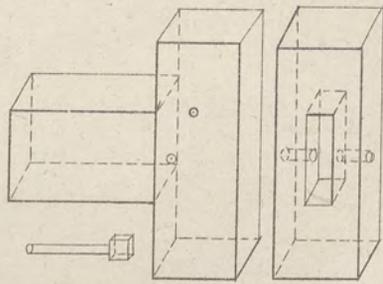
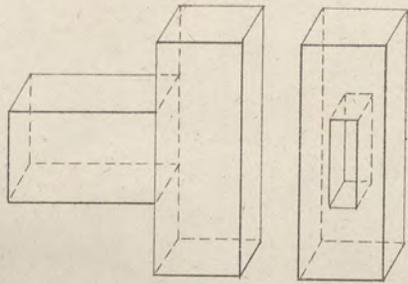


FIG. 3



Le connessioni nei legnami

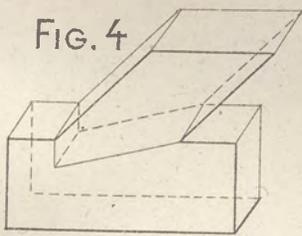


FIG. 4

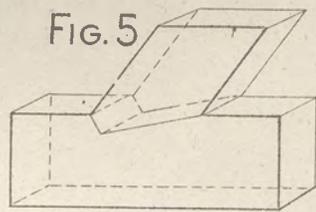


FIG. 5

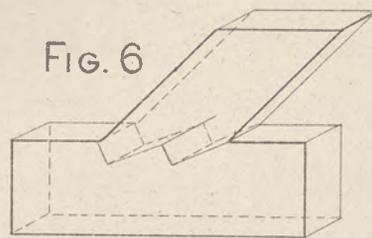


FIG. 6

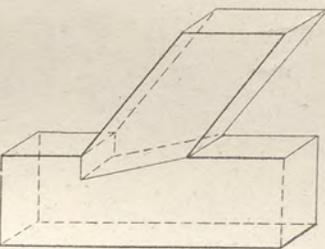
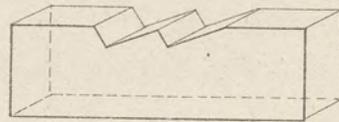
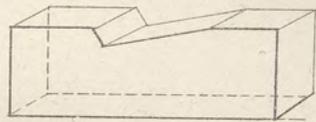
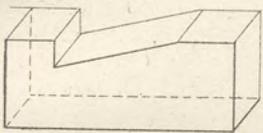


FIG. 7

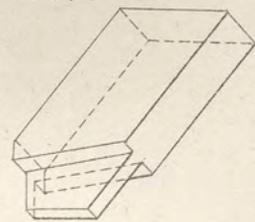


FIG. 8

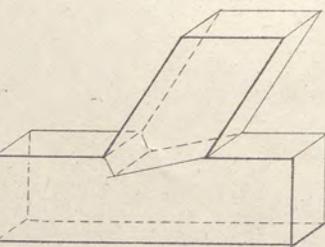
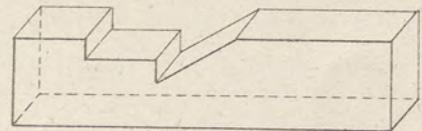
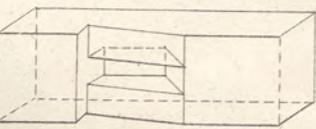
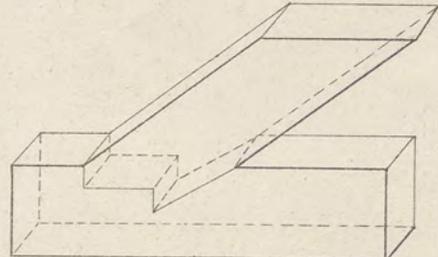


FIG. 9

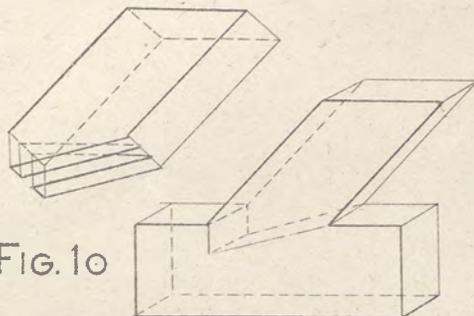


FIG. 10

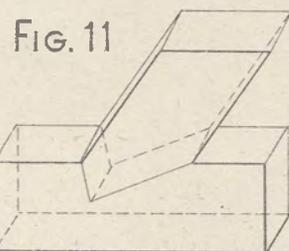
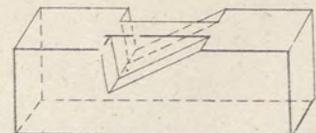
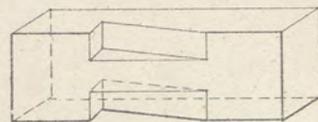


FIG. 11



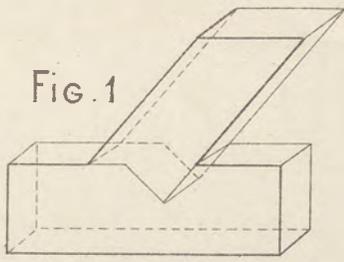


FIG. 1

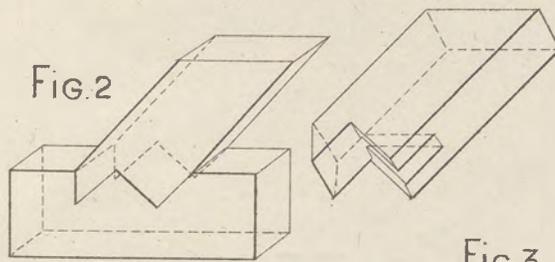


FIG. 2

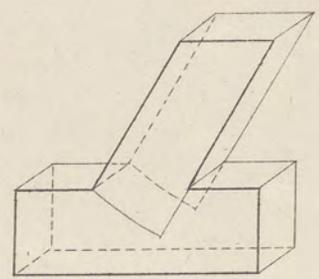
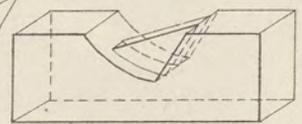
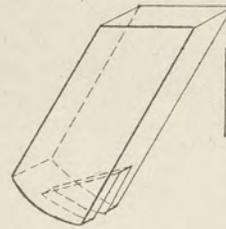
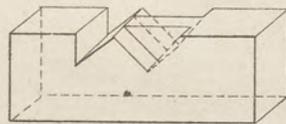
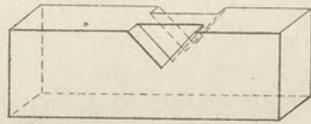


FIG. 3



Le connessioni nei legnami

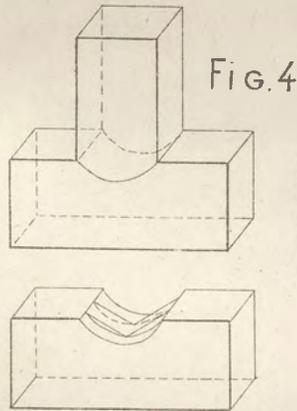


FIG. 4

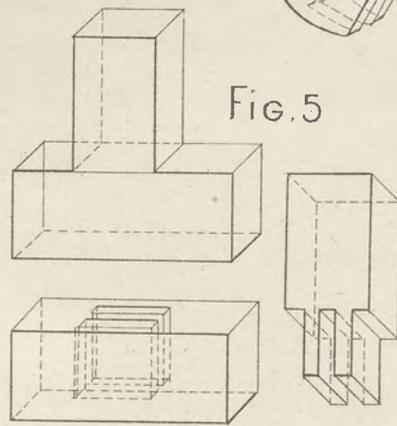
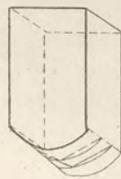


FIG. 5

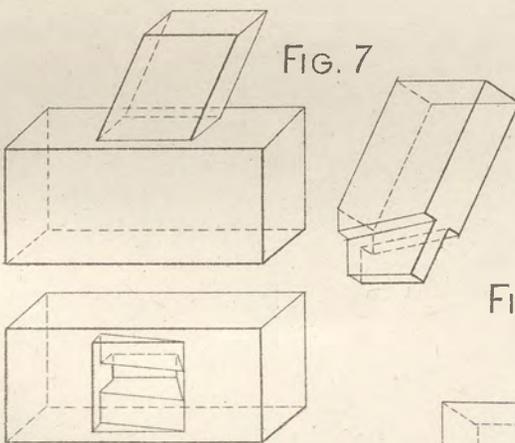
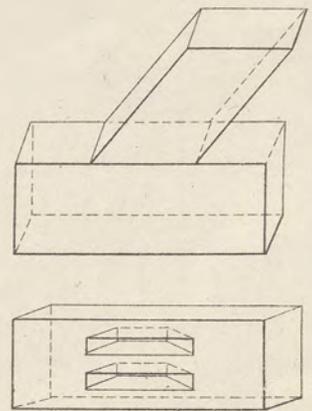


FIG. 7

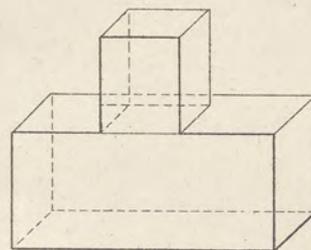


FIG. 6

FIG. 8

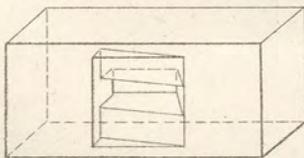
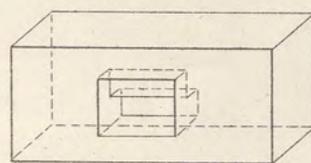


FIG. 9

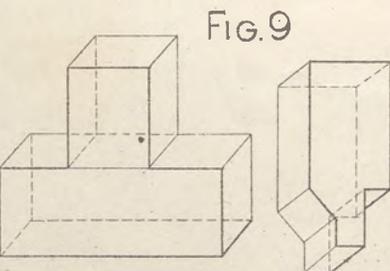


FIG. 10

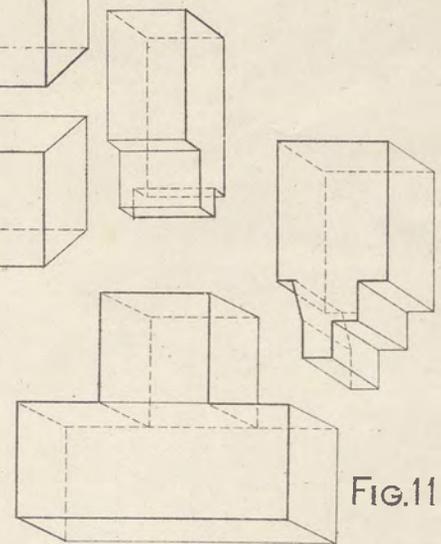
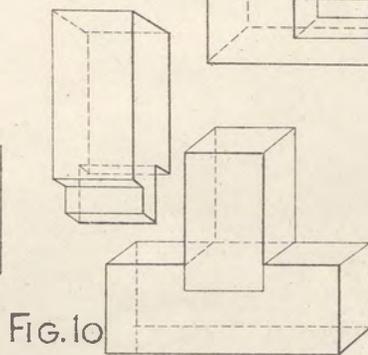
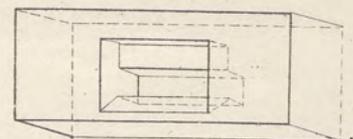
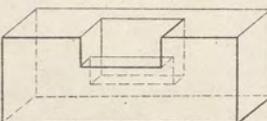
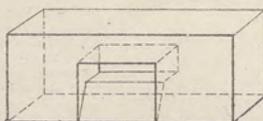


FIG. 11



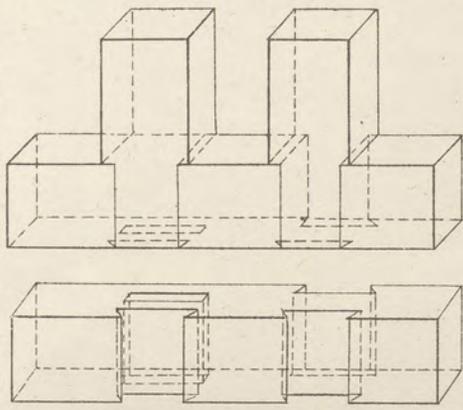


FIG. 1

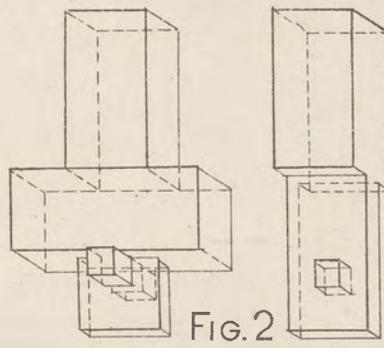
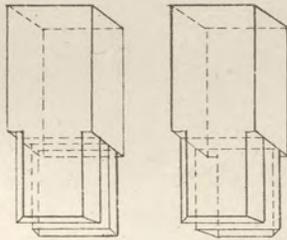


FIG. 2

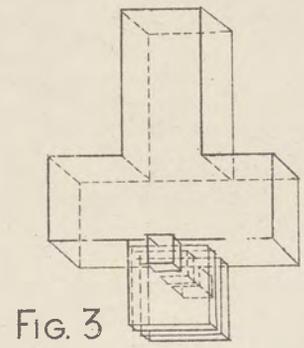
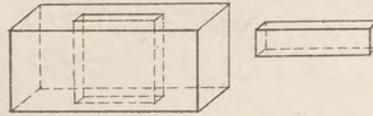
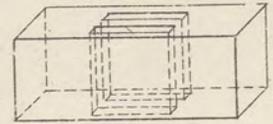


FIG. 3



Le connessioni dei legnami

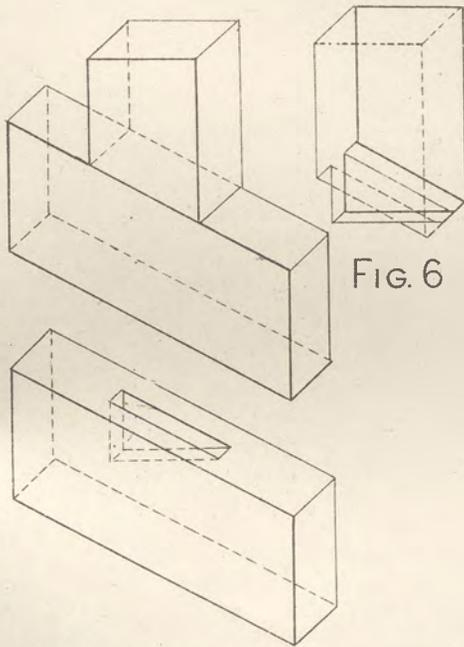


FIG. 6

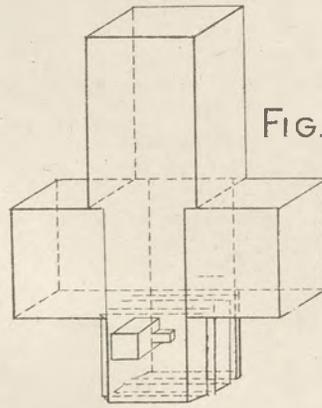


FIG. 5

FIG. 4

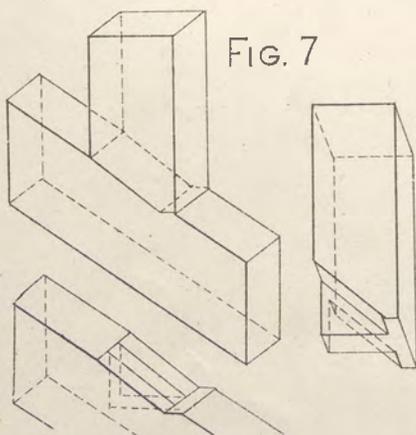
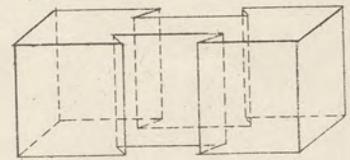
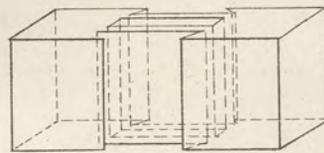
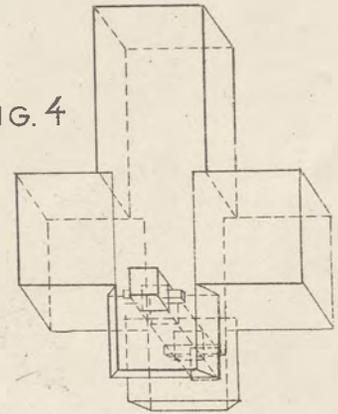


FIG. 7

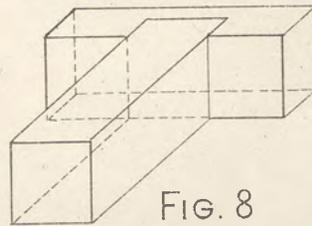


FIG. 8

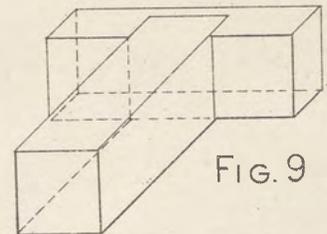
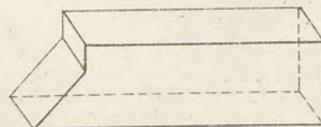
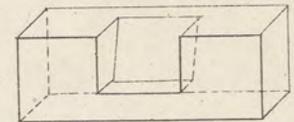
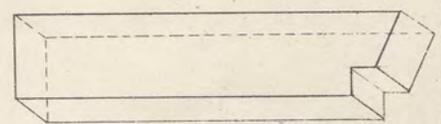
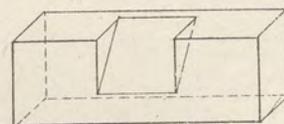


FIG. 9



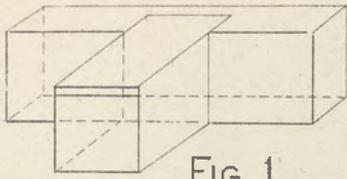


FIG. 1

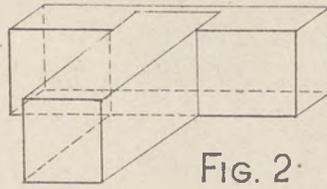
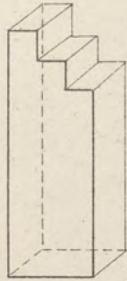
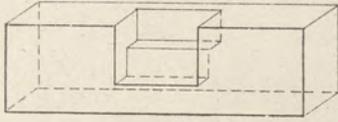


FIG. 2

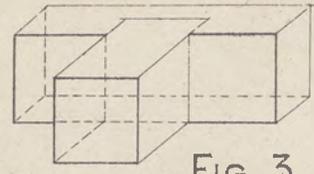
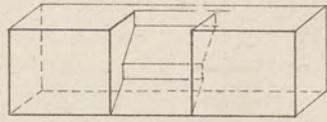


FIG. 3

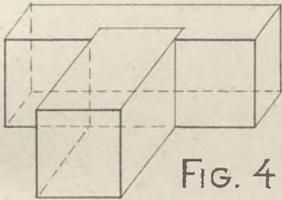
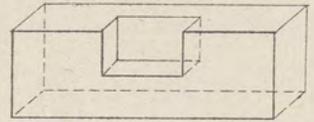


FIG. 4

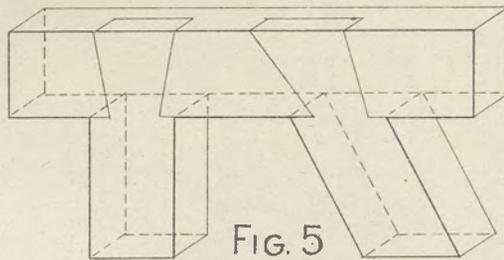
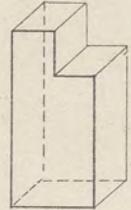
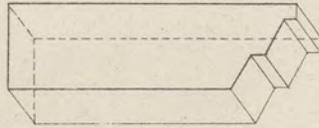
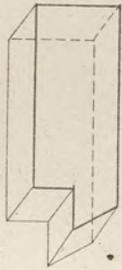
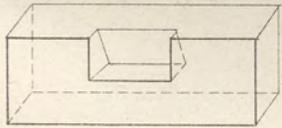
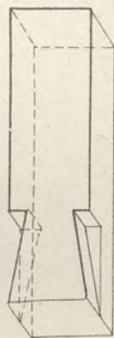
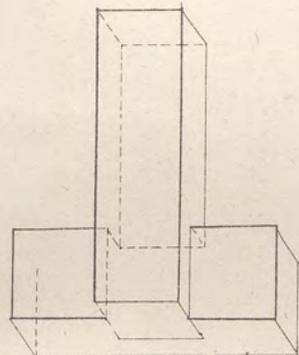
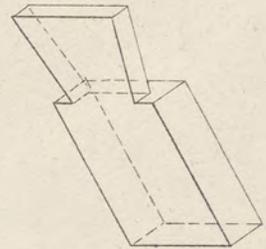
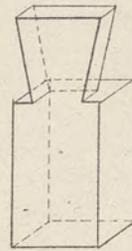


FIG. 5



Le connessioni nei legnami

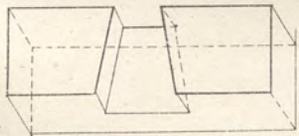


FIG. 6

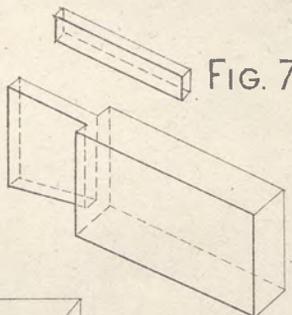
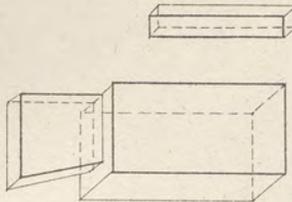


FIG. 7

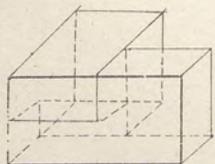
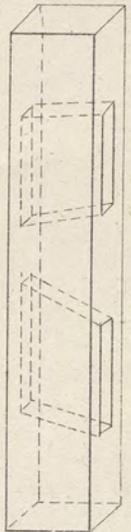
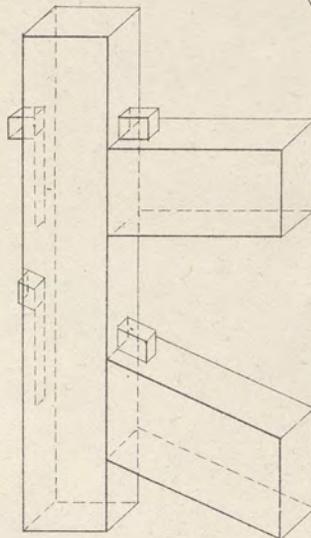


FIG. 8

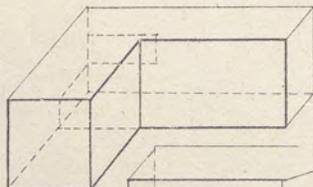
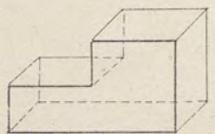
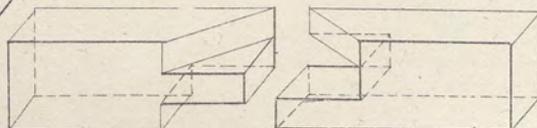
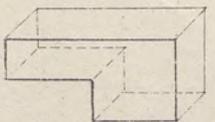


FIG. 9



M

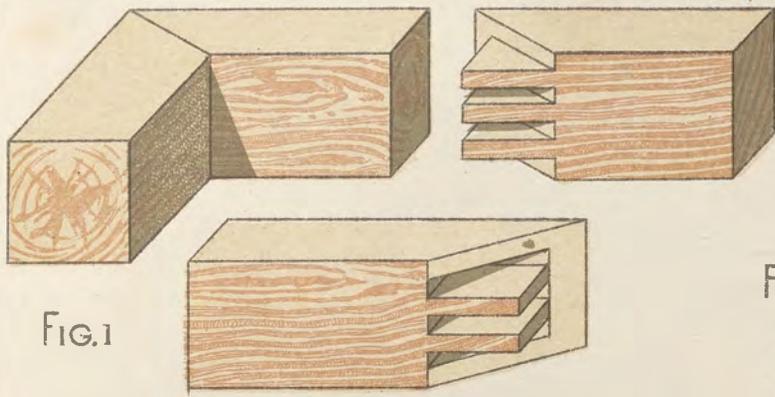


FIG. 1

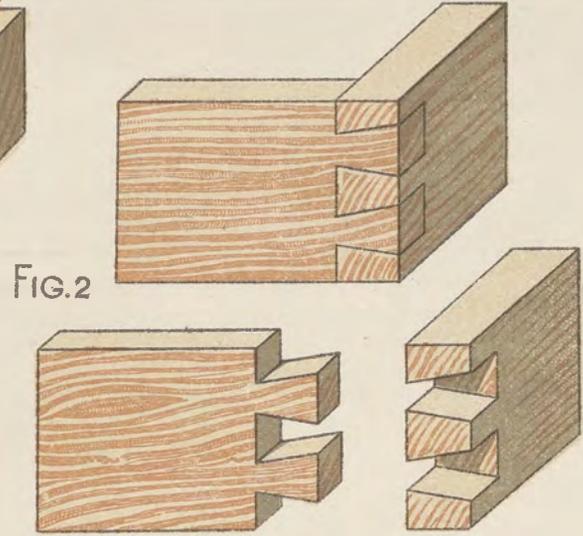


FIG. 2

Le connessioni dei legnami.

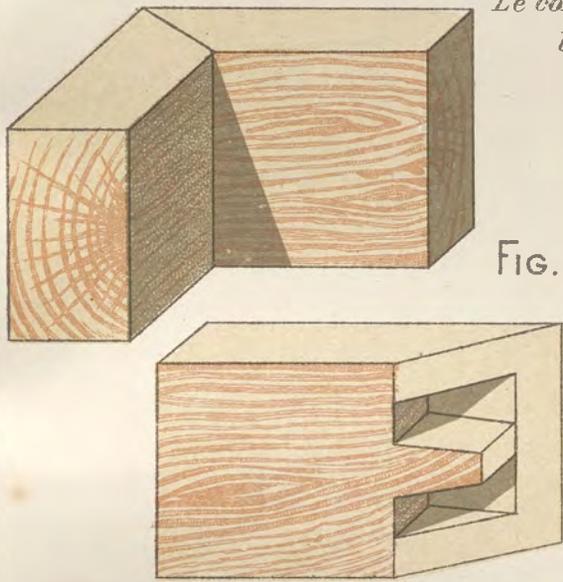


FIG. 3

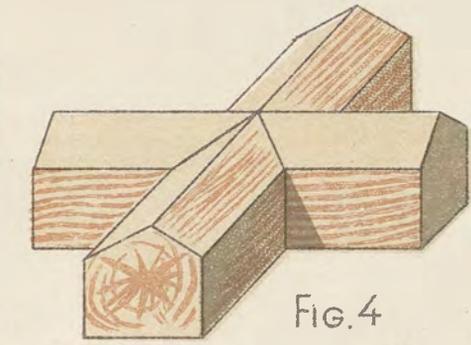
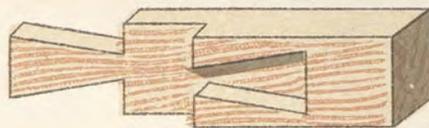
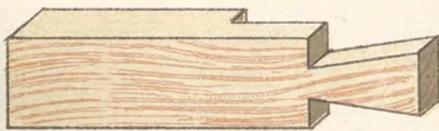
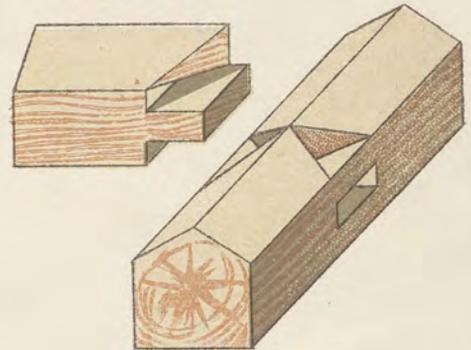


FIG. 4



FIG. 5



Le giunture orizzontali dei legnami.



FIG. 6

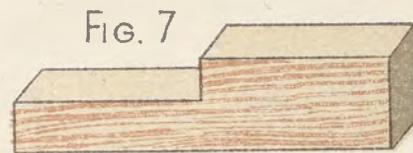


FIG. 7

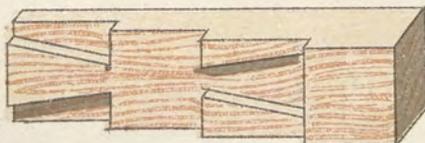




FIG. 1

FIG. 2

FIG. 3

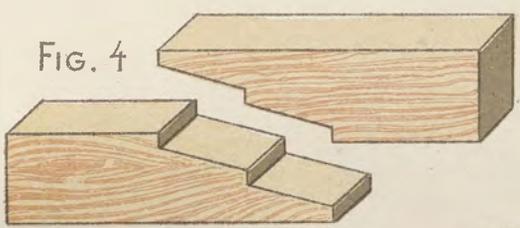


FIG. 4

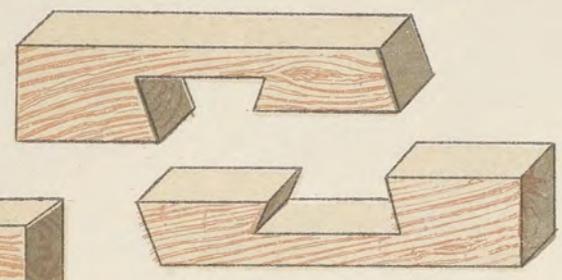


FIG. 5

FIG. 6

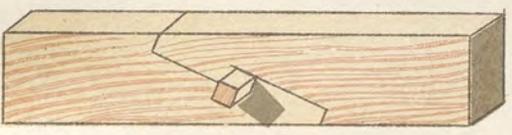


FIG. 7

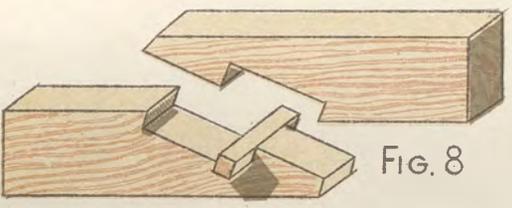


FIG. 8

*Le giunture orizzontali
dei legnami.*

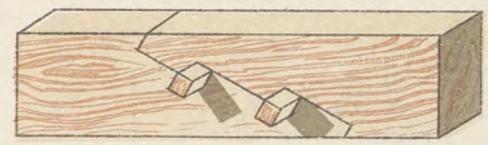


FIG. 9

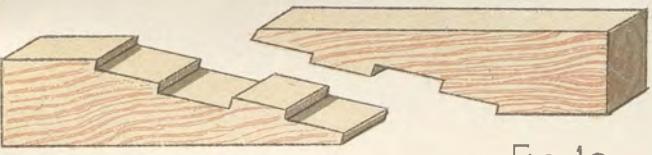


FIG. 10

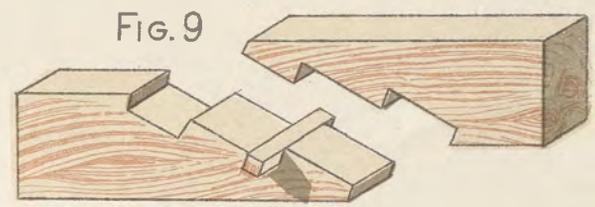


FIG. 11

Giunture verticali.

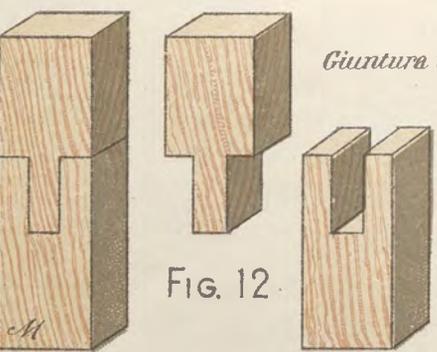
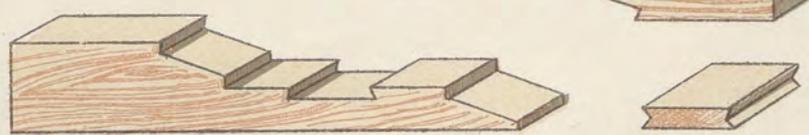


FIG. 12



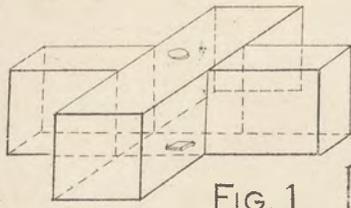


FIG. 1

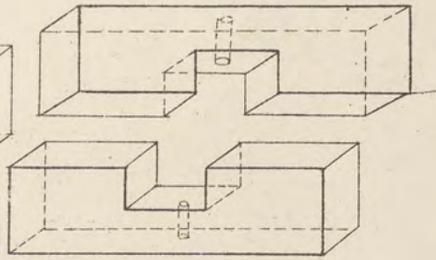


FIG. 2

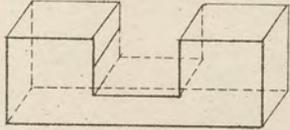
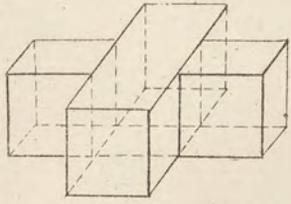
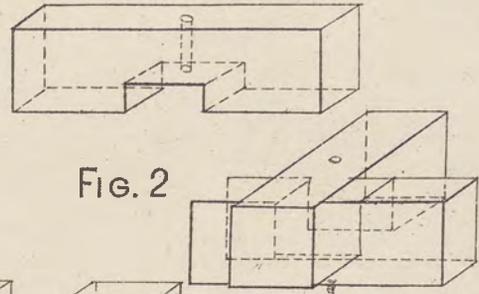


FIG. 3

FIG. 4

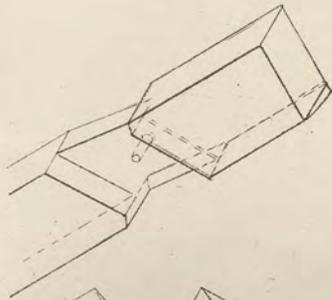
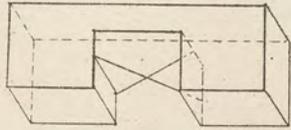


FIG. 7

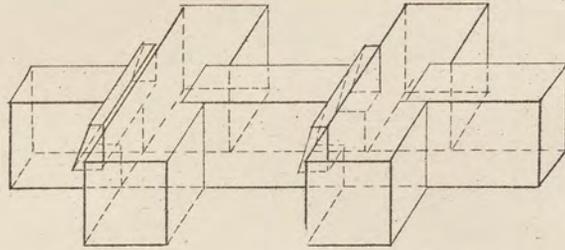
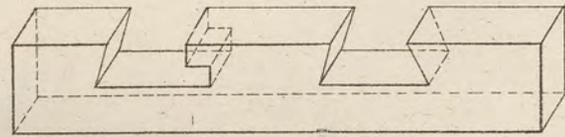
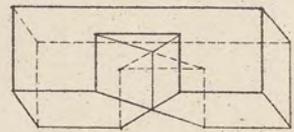
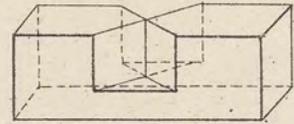
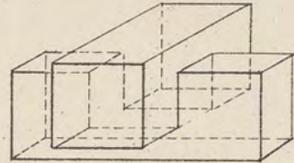


FIG. 5



Le giunture a croce dei legnami.



La giuntura verticale a falsa traglia.

FIG. 8

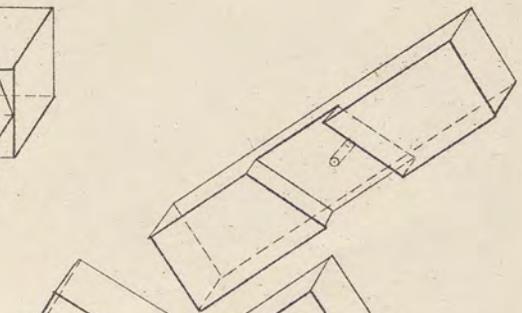
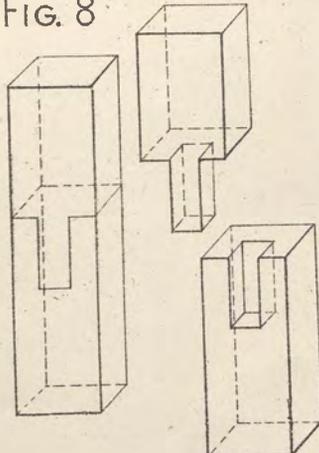
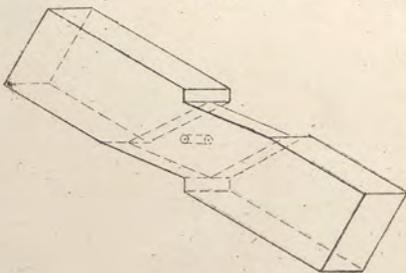
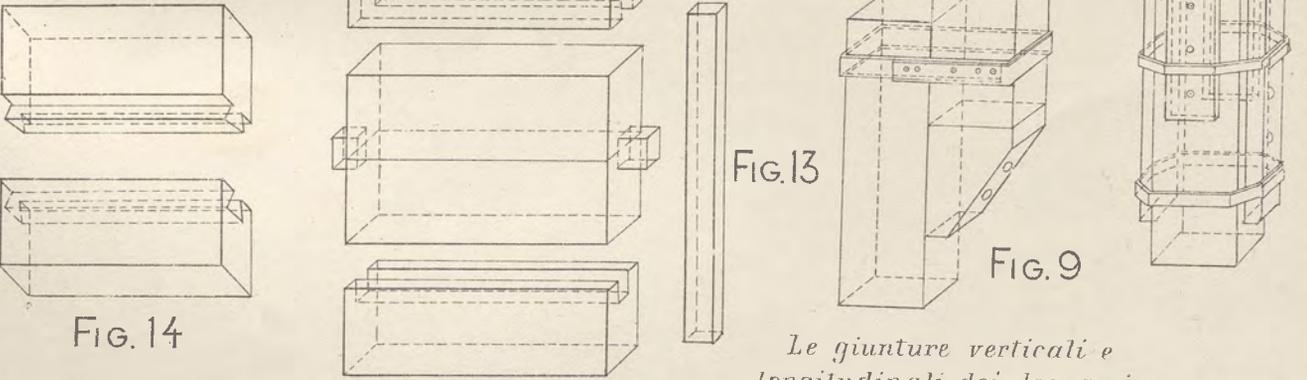
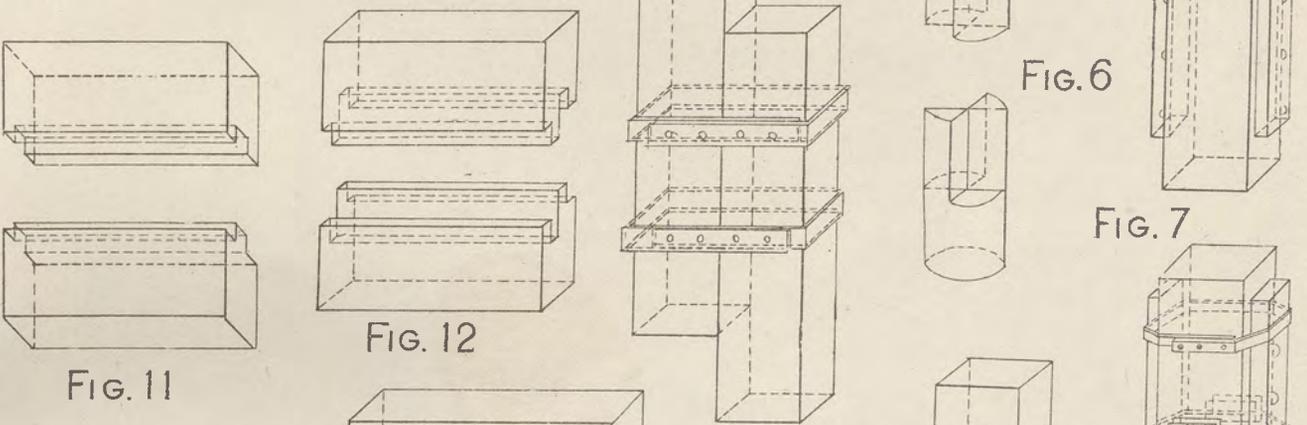
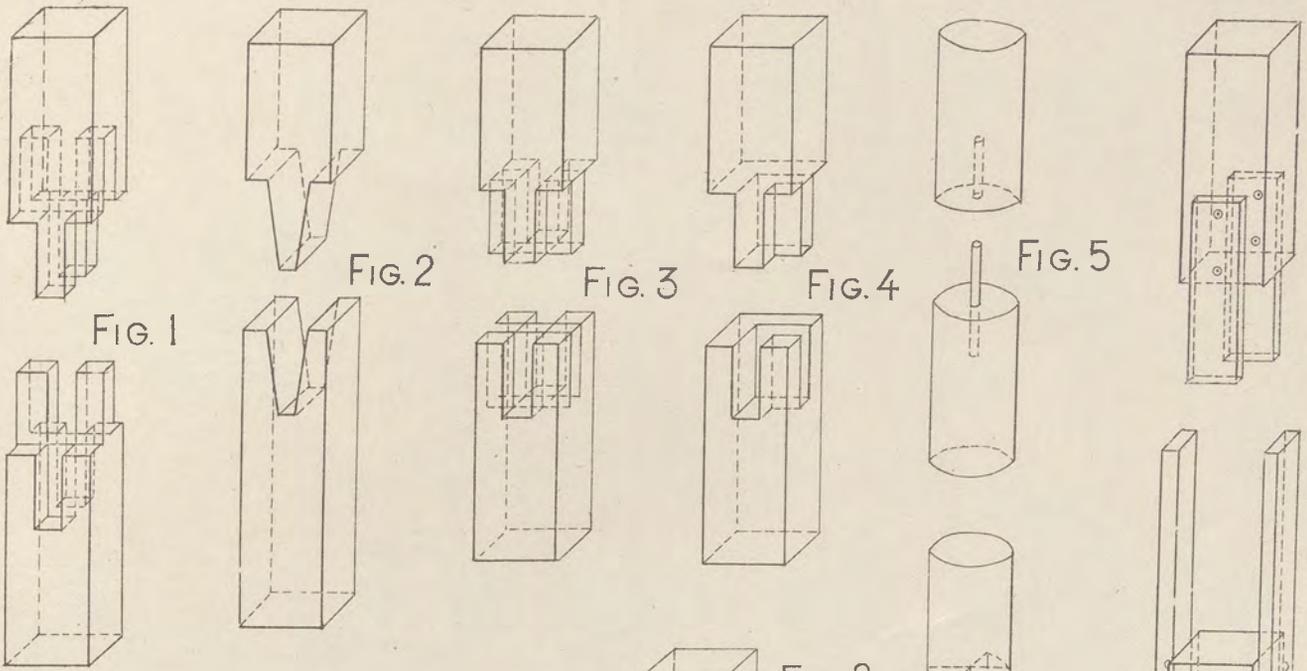
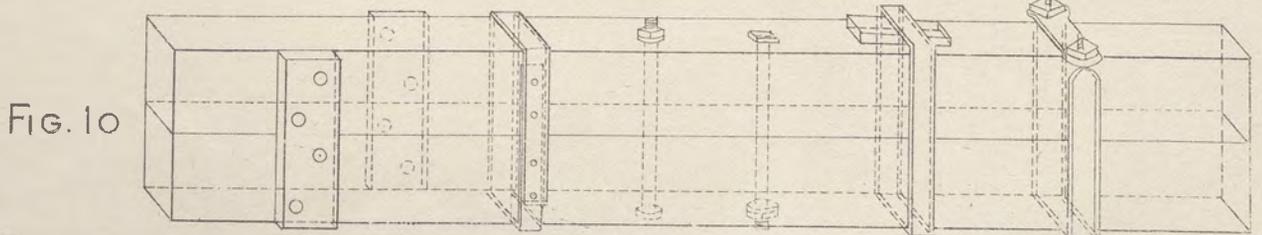


FIG. 6

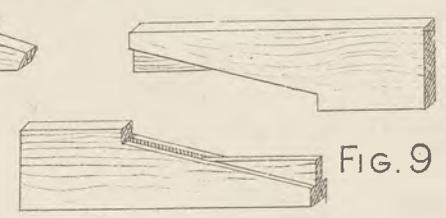
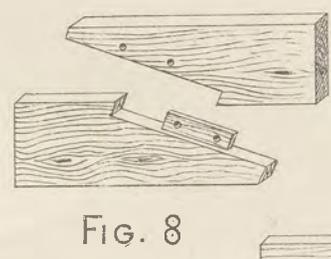
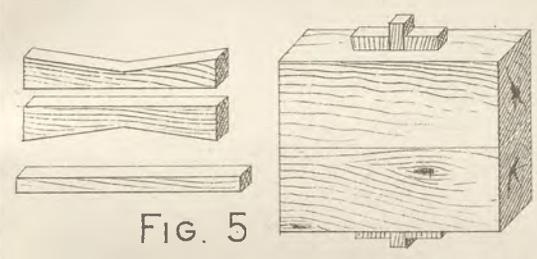
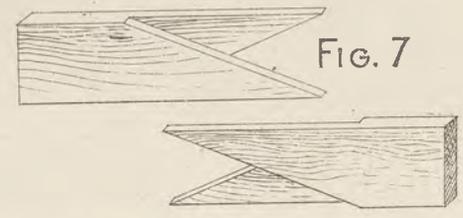
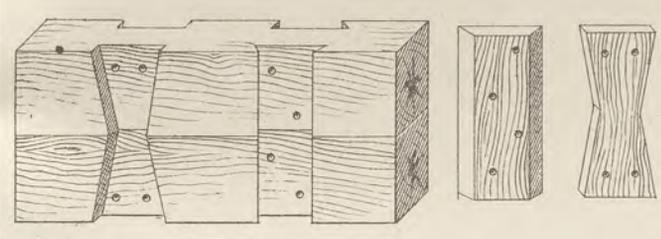
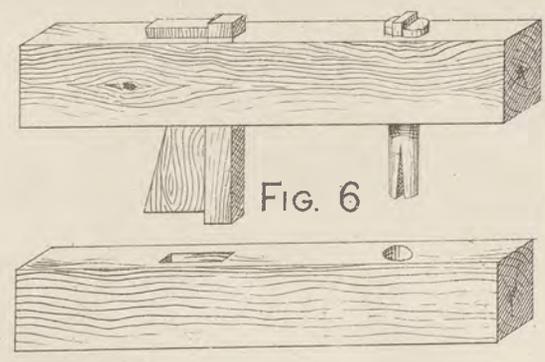
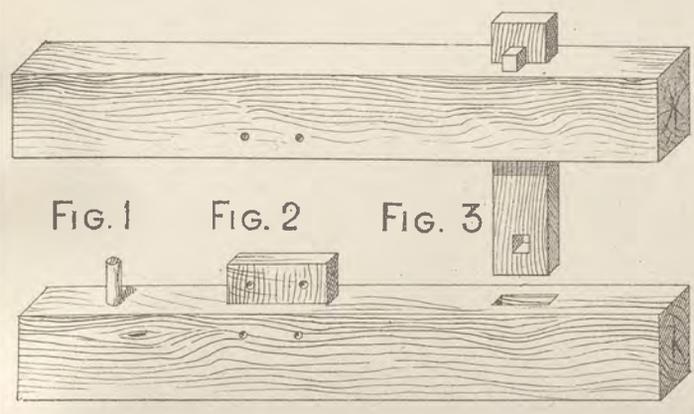




Le giunture verticali e longitudinali dei legnami



M



I collegamenti longitudinale dei legnami

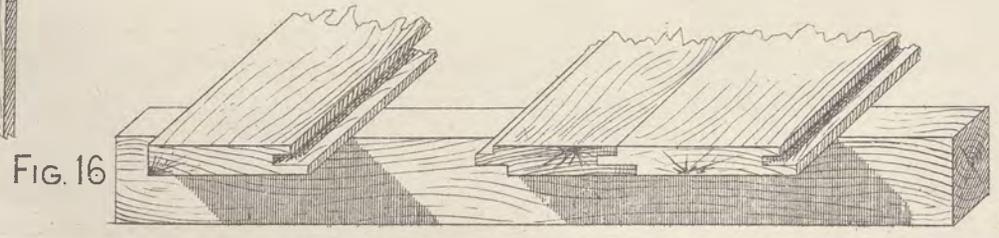
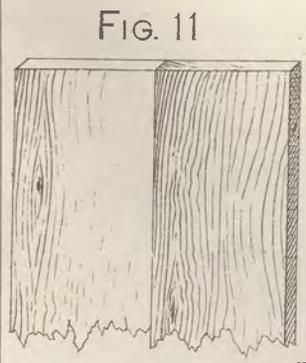
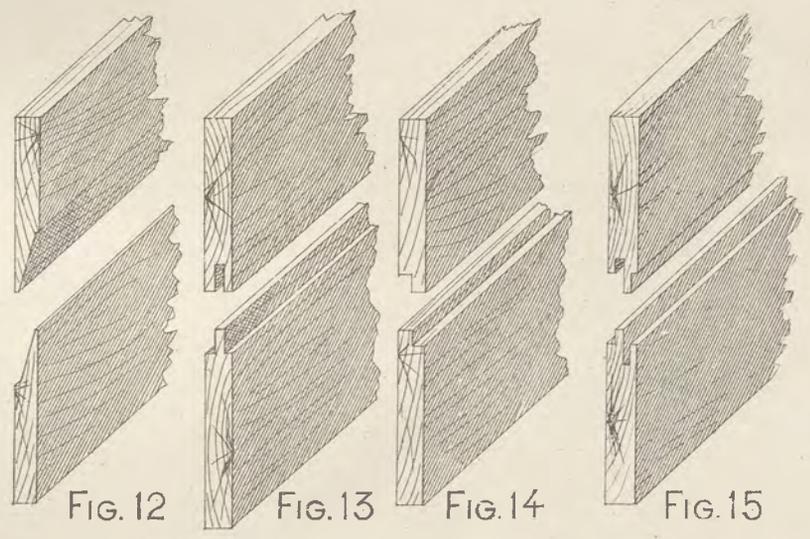
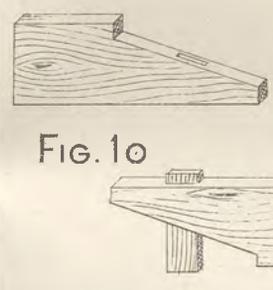




FIG. 1 *La posa in opera dell'asfalto compresso*



FIG. 2 *La posa in opera del mastice di asfalto*

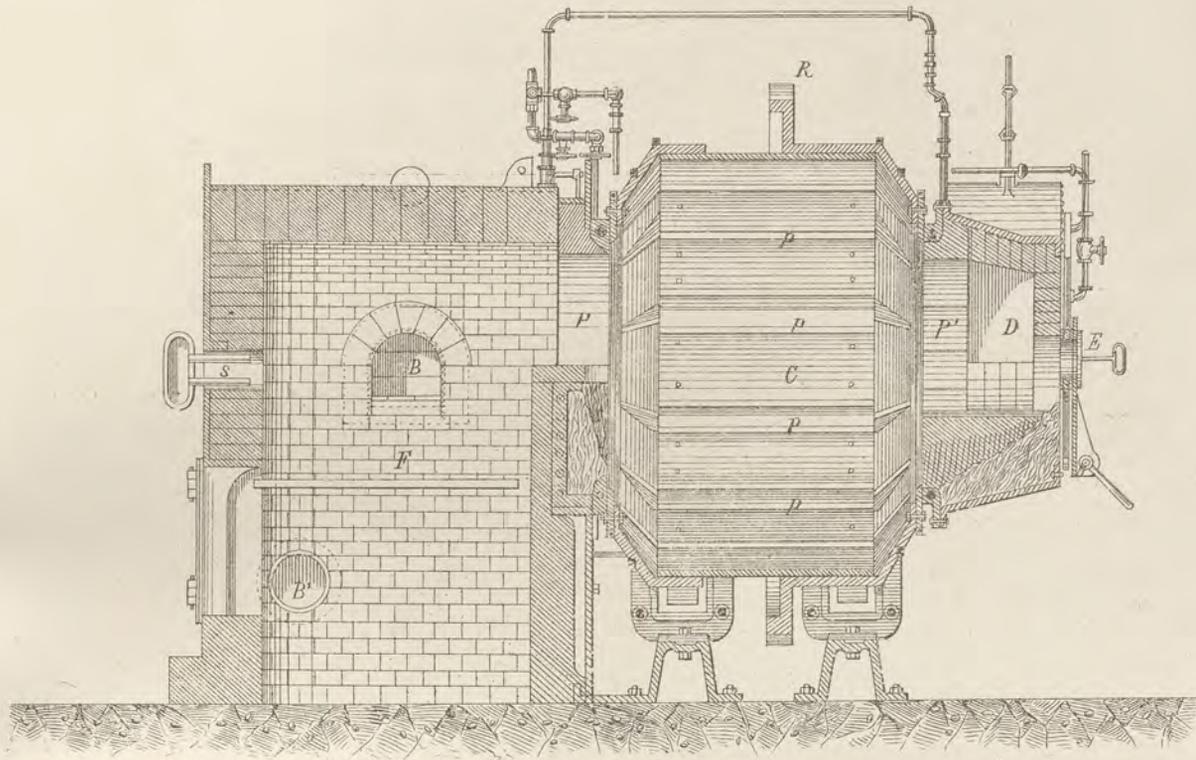


FIG.1 *Il forno Danks per la pudellatura*

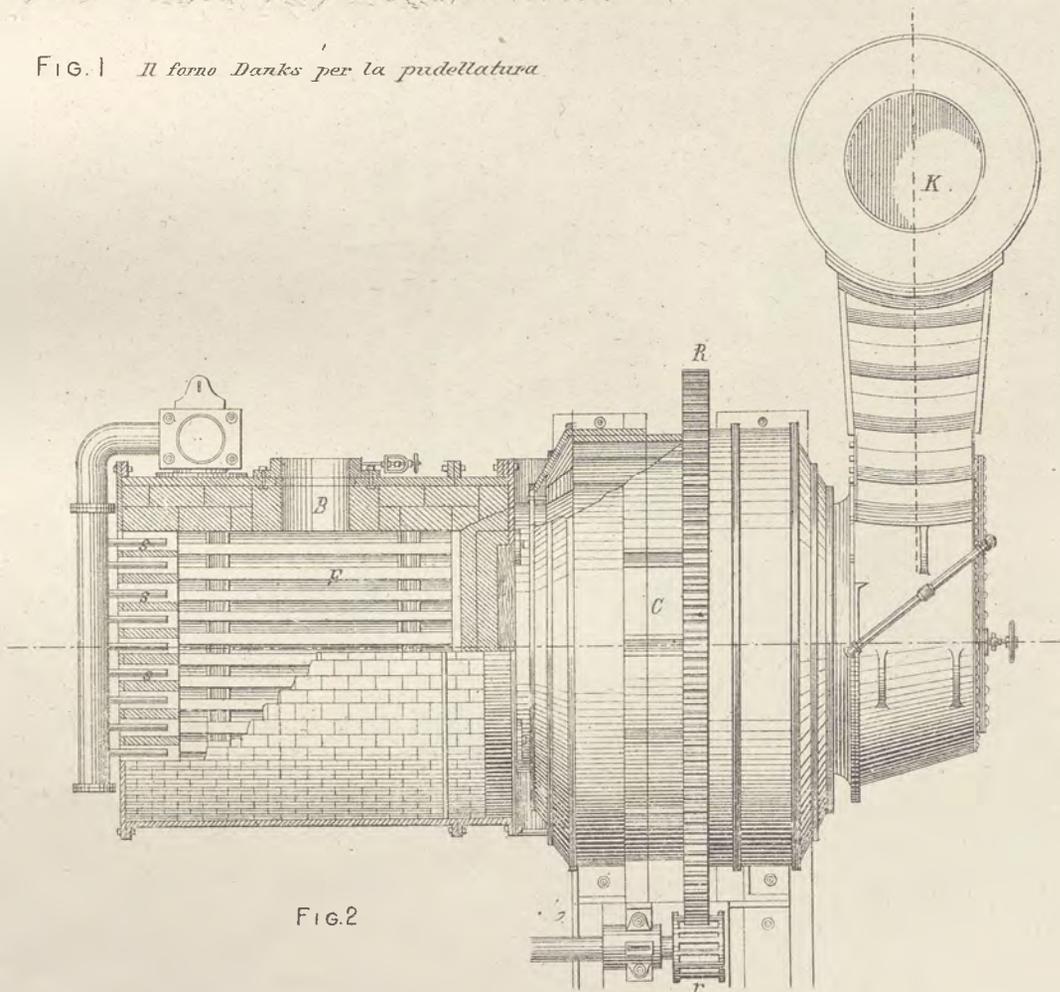


FIG.2

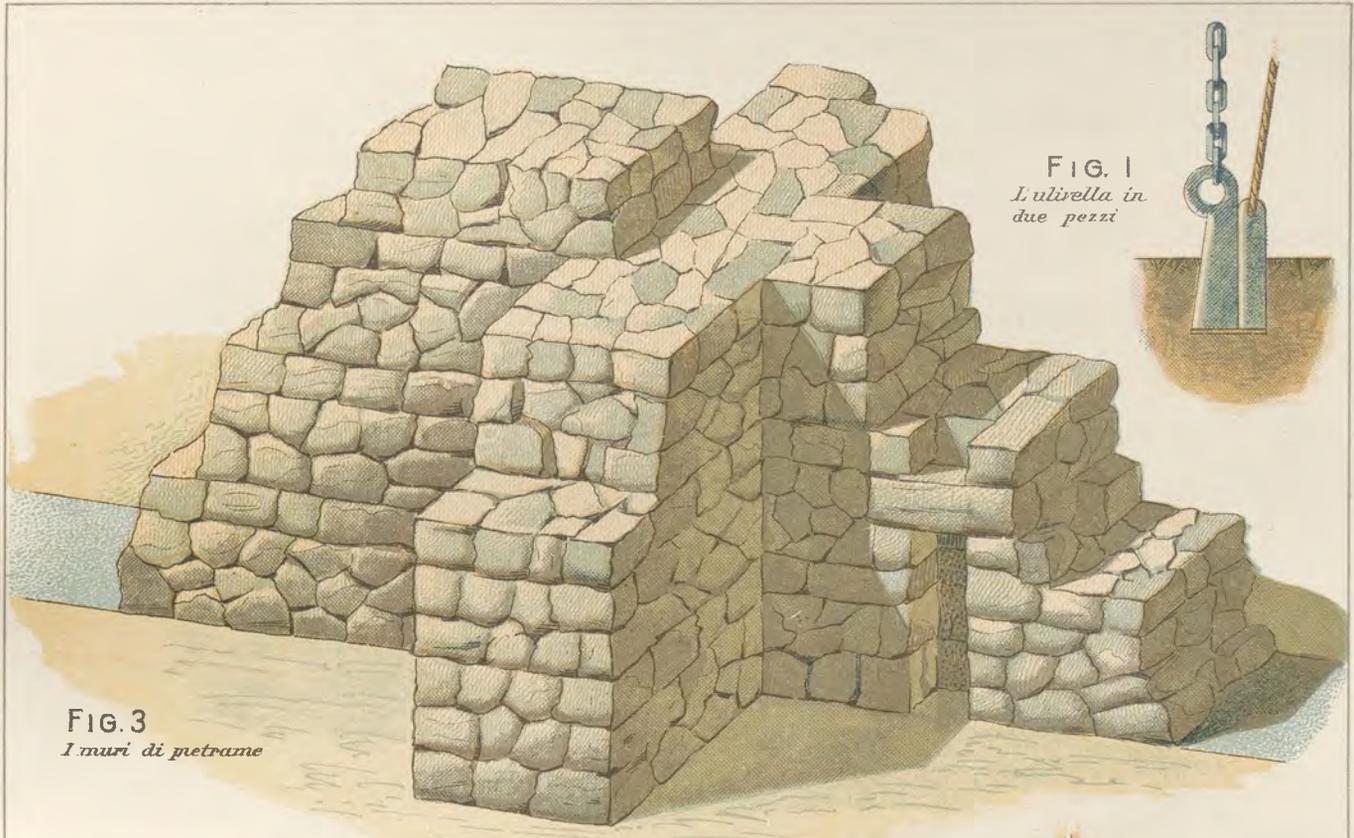


FIG. 3
I muri di petrame

FIG. 1
L'utirella in due pezzi

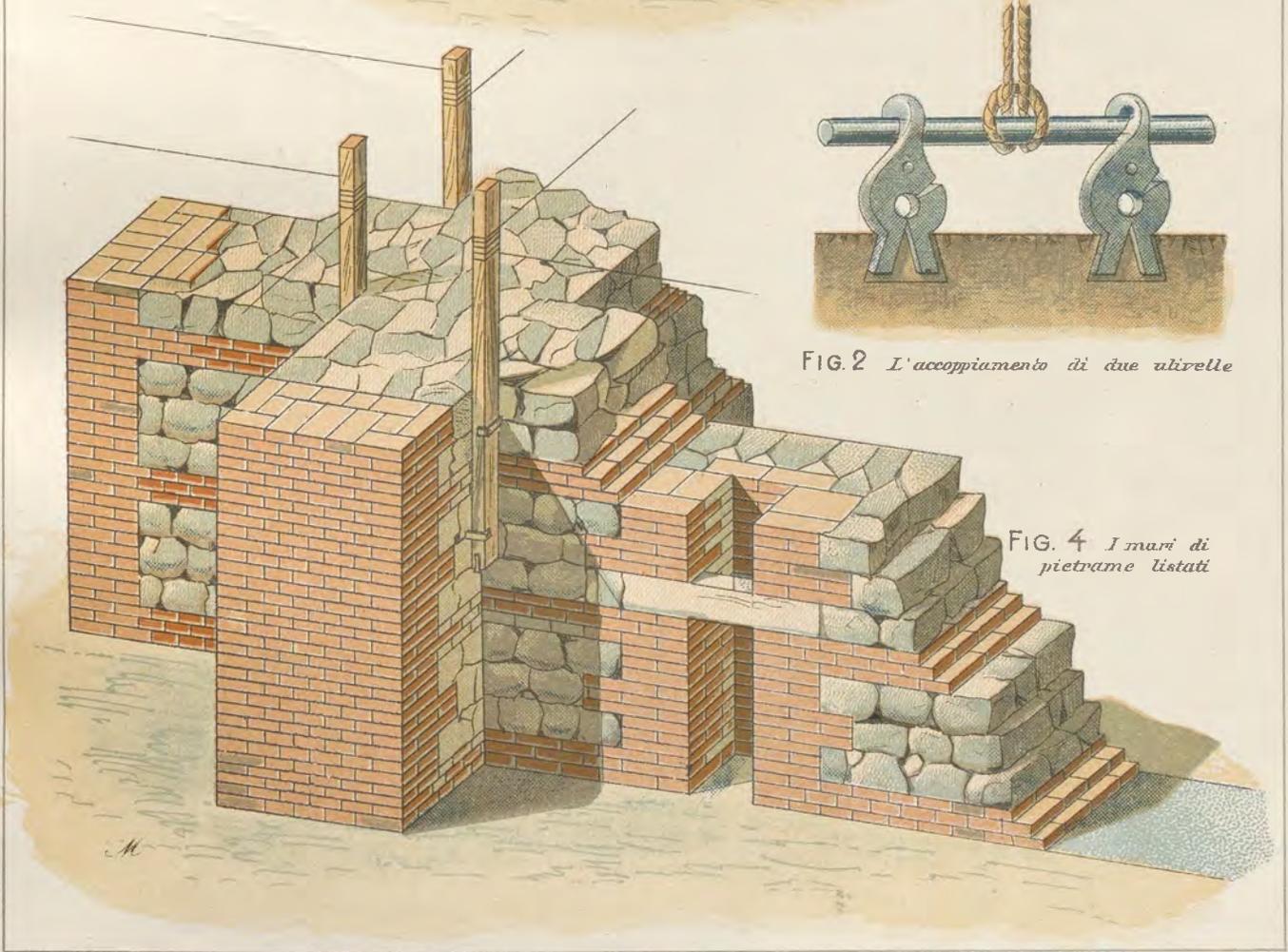


FIG. 4
I muri di petrame listati

FIG. 2
L'accoppiamento di due utirelle

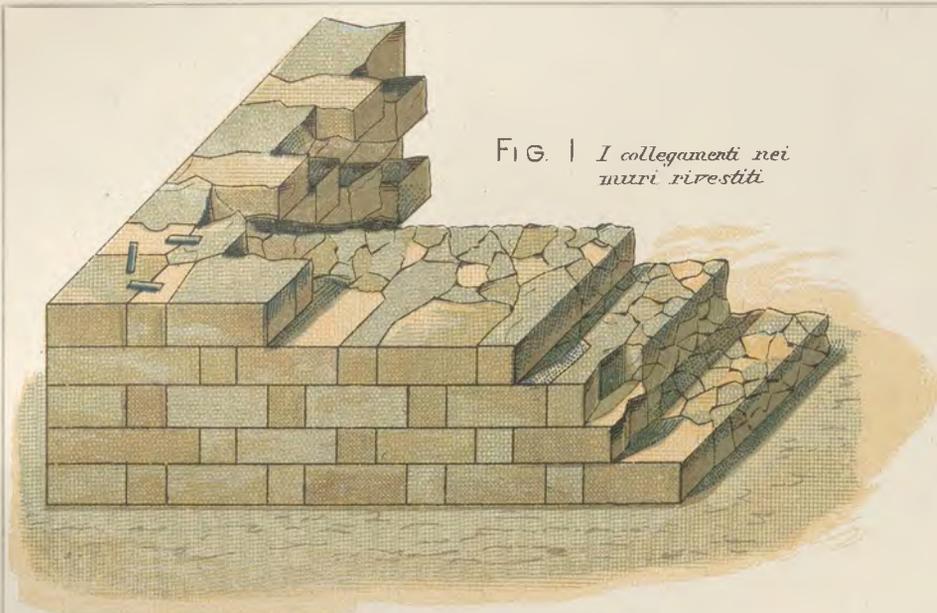


FIG. 1 *I collegamenti nei muri rivestiti*

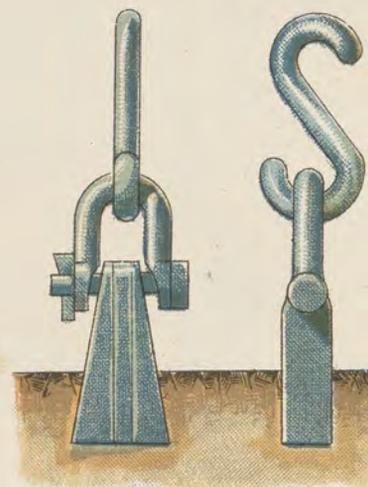


FIG. 2 *L'utivella cuneiforme in 3 pezzi*

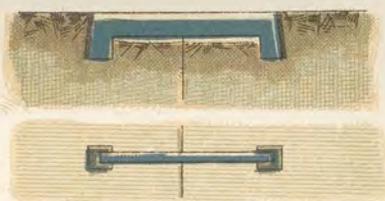


FIG. 3 *Il collegamento con grappe*

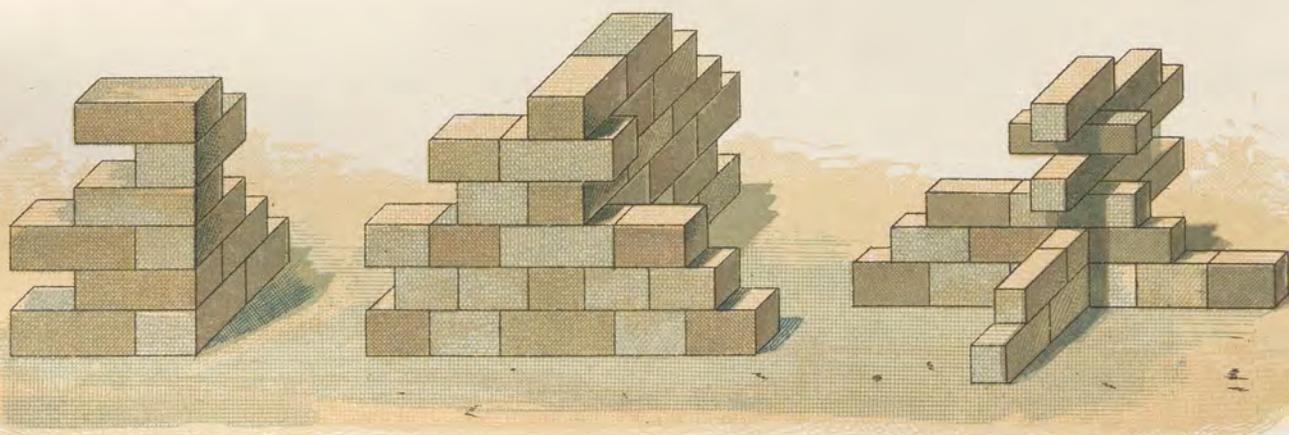
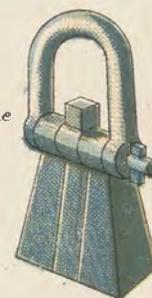


FIG. 4 *I collegamenti di due muri in pietra da taglio*

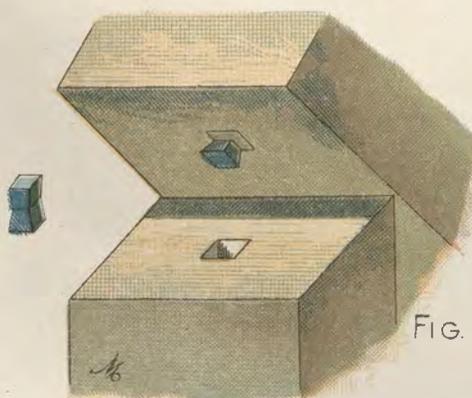


FIG. 5 *Il collegamento con arpese a coda di rondine*

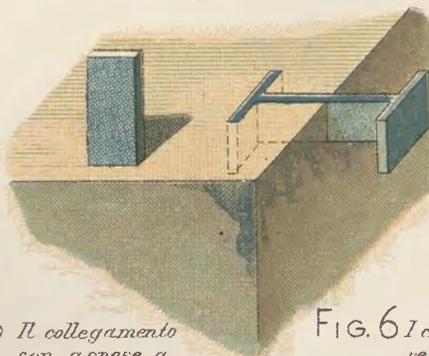
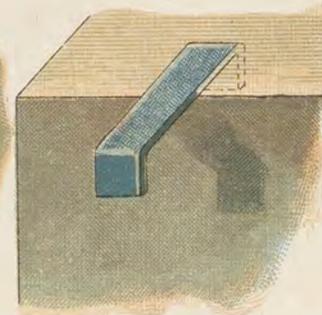


FIG. 6 *I collegamenti con pezzo rettangolare, con coda di rondine e con grappa*



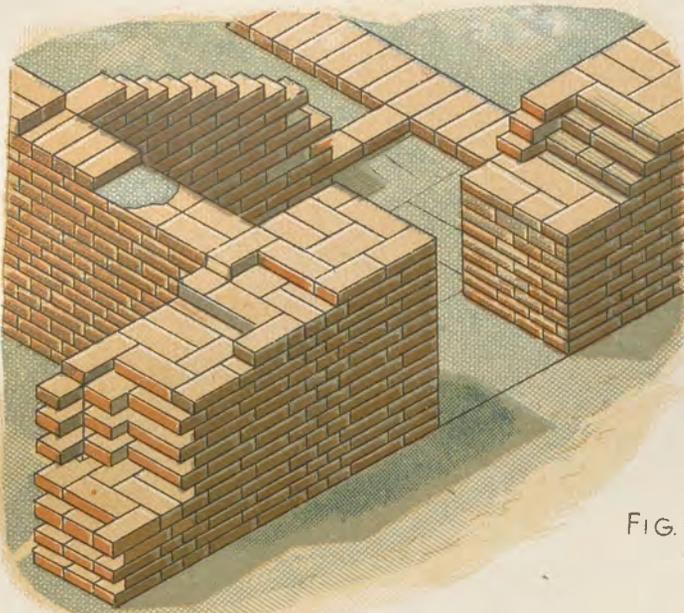


FIG. 1 *L'assestamento nei muri di 1, 2 e 4 teste*

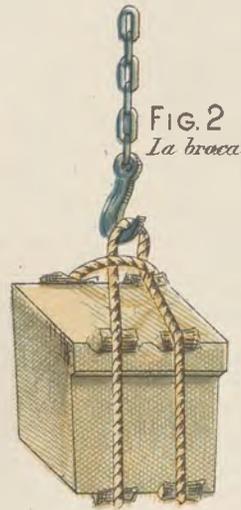


FIG. 2
La brocca

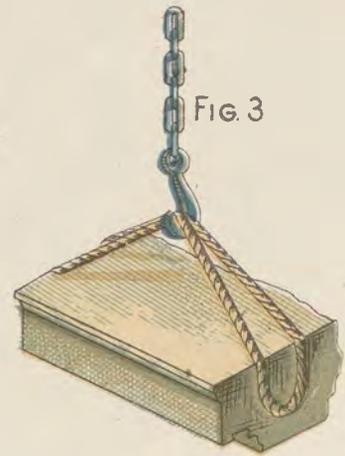


FIG. 3

FIG. 4 *L'assestamento nei muri di 2 a 4 teste*

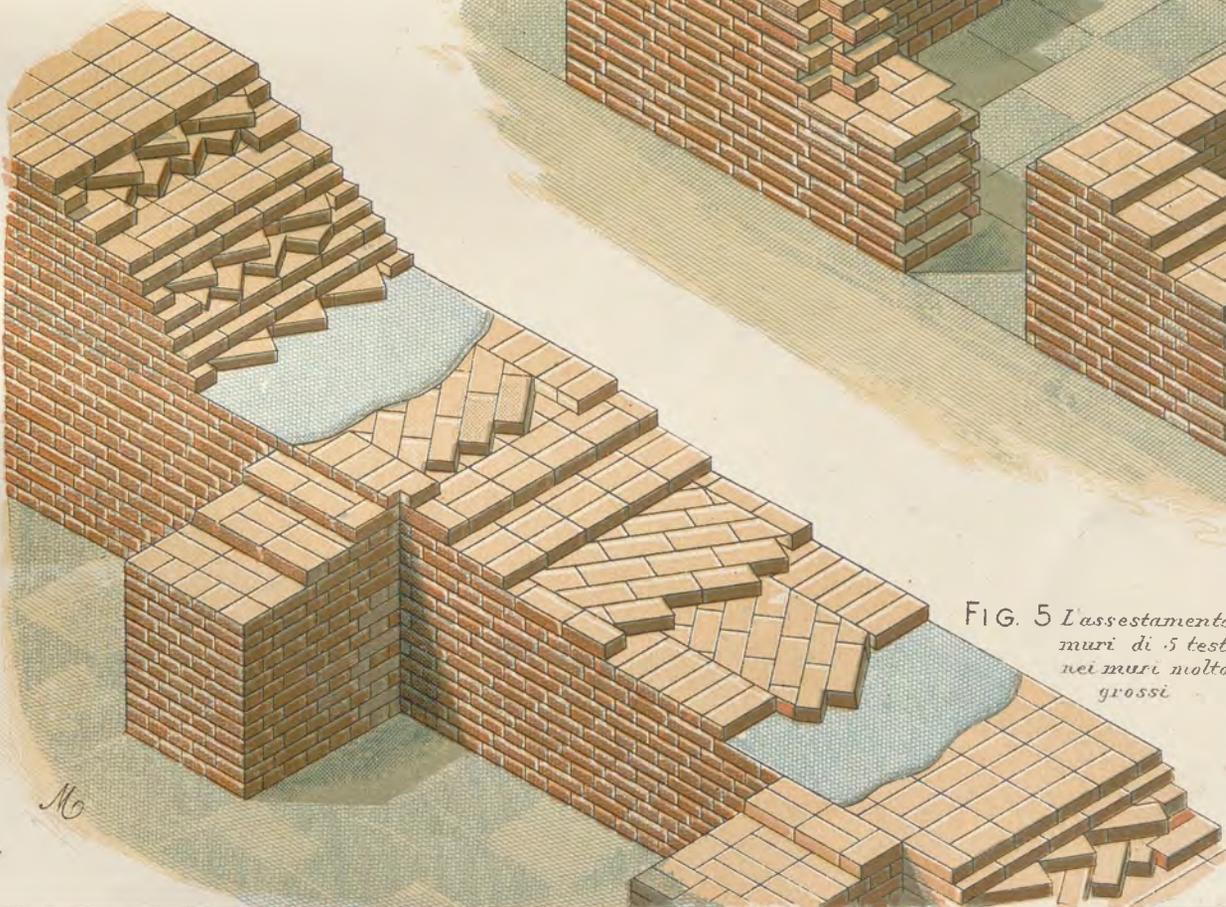
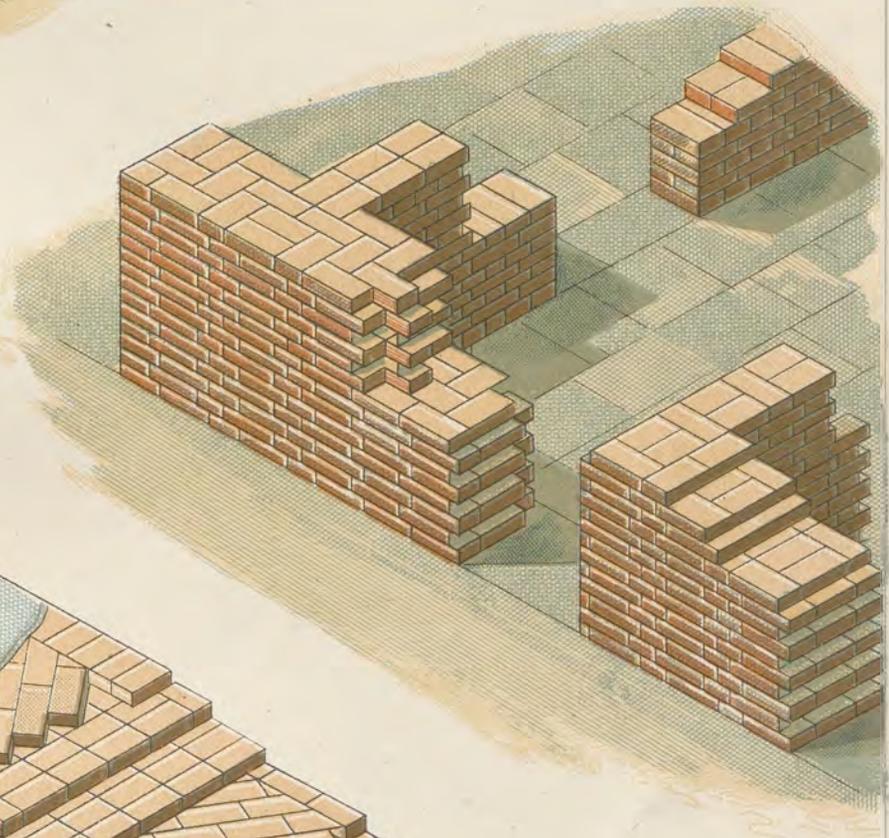


FIG. 5 *L'assestamento nei muri di 5 teste e nei muri molto grossi*

M

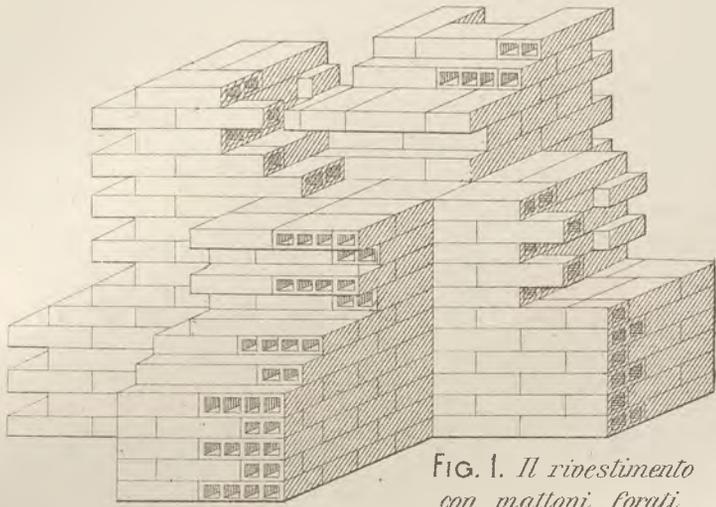


FIG. 1. Il rivestimento con mattoni forati

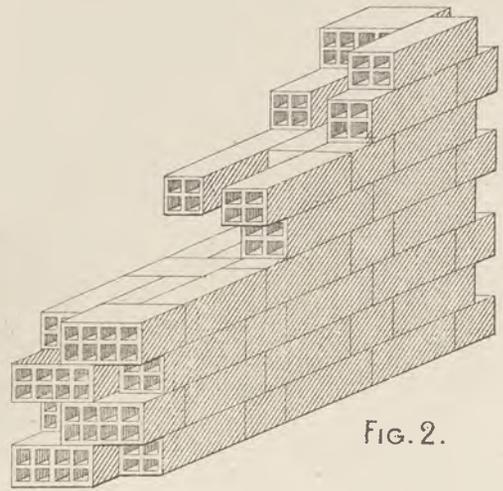


FIG. 2.

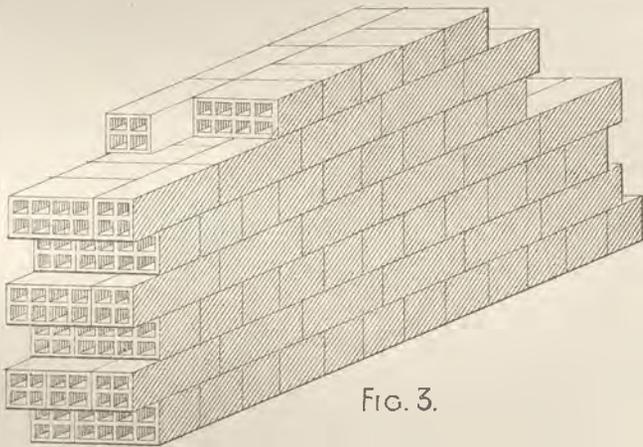


FIG. 3.

I muri di mattoni forati

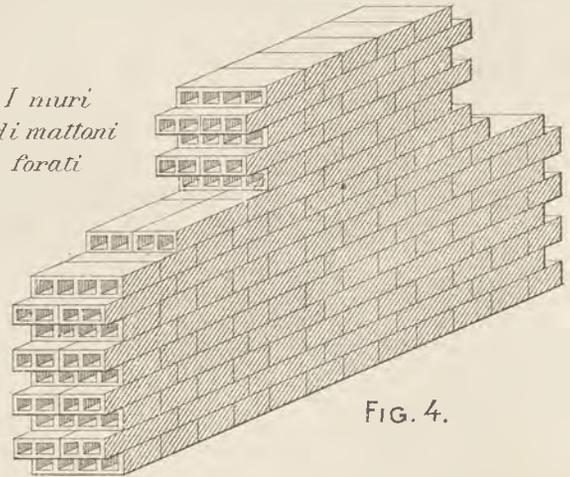


FIG. 4.

FIG. 5.

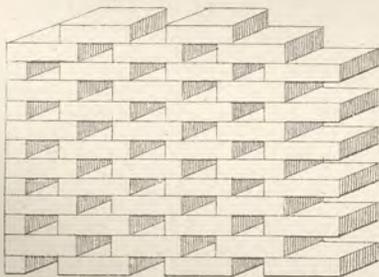


FIG. 6.

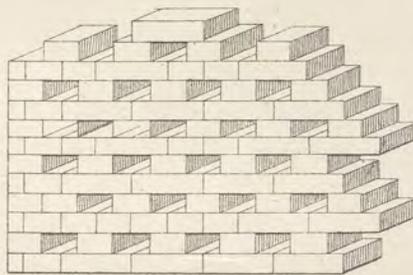


FIG. 7.

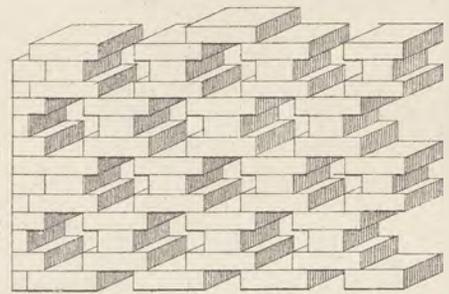


FIG. 8.

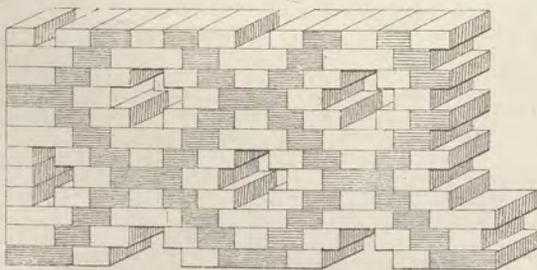
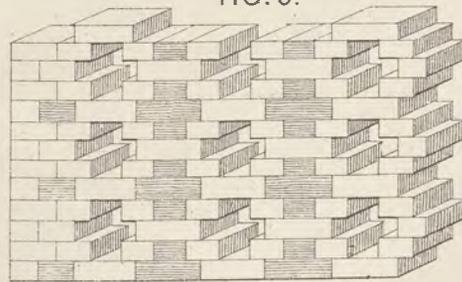


FIG. 9.



I muri forati

M

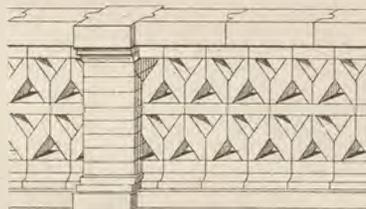
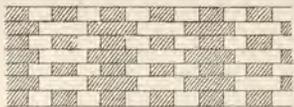
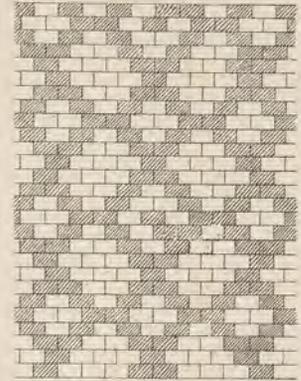
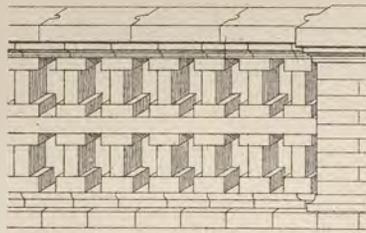
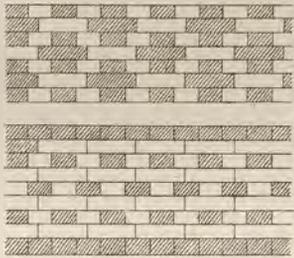
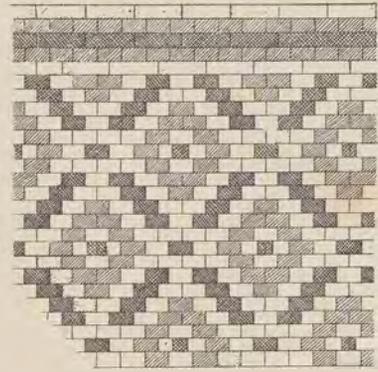
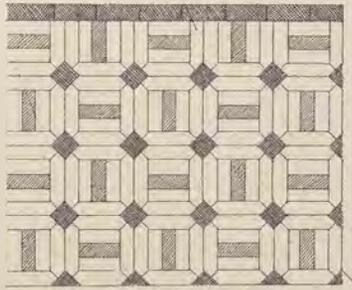
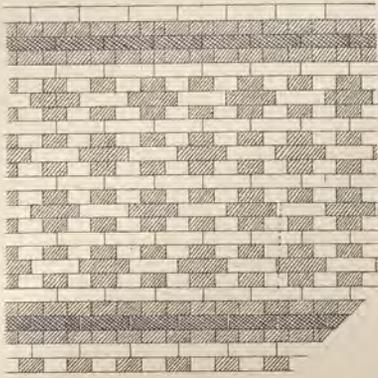


FIG. 1 *Il parapetto forato di mattoni comuni*

FIG. 2 *Il parapetto forato di mattoni a spigoli smussati*

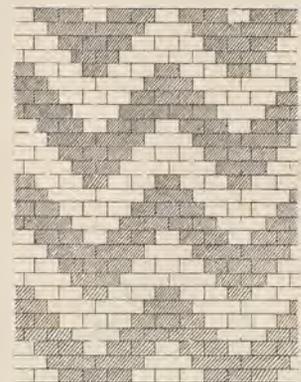
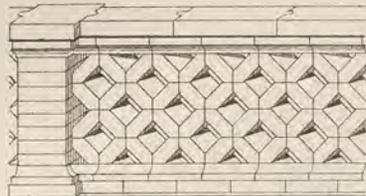
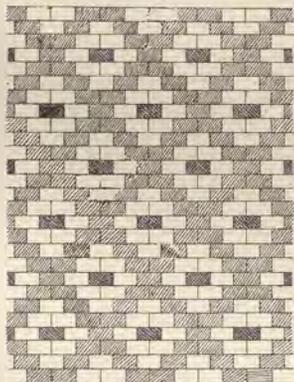
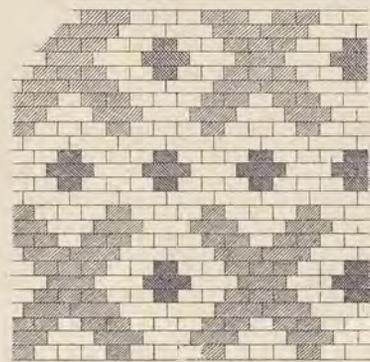
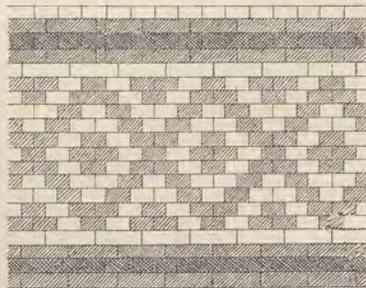
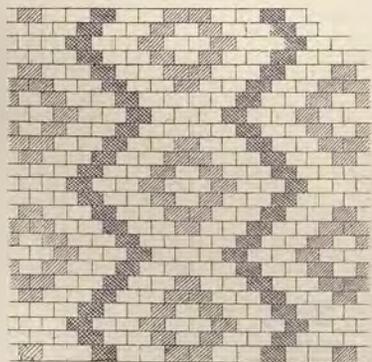


FIG. 3 *Il parapetto forato di mattoni a spigoli smussati*



M

FIG. 1 *Il rivestimento in pietra dei muri*

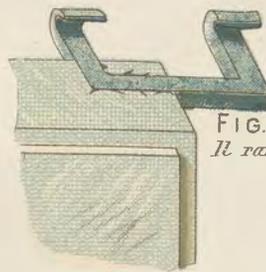
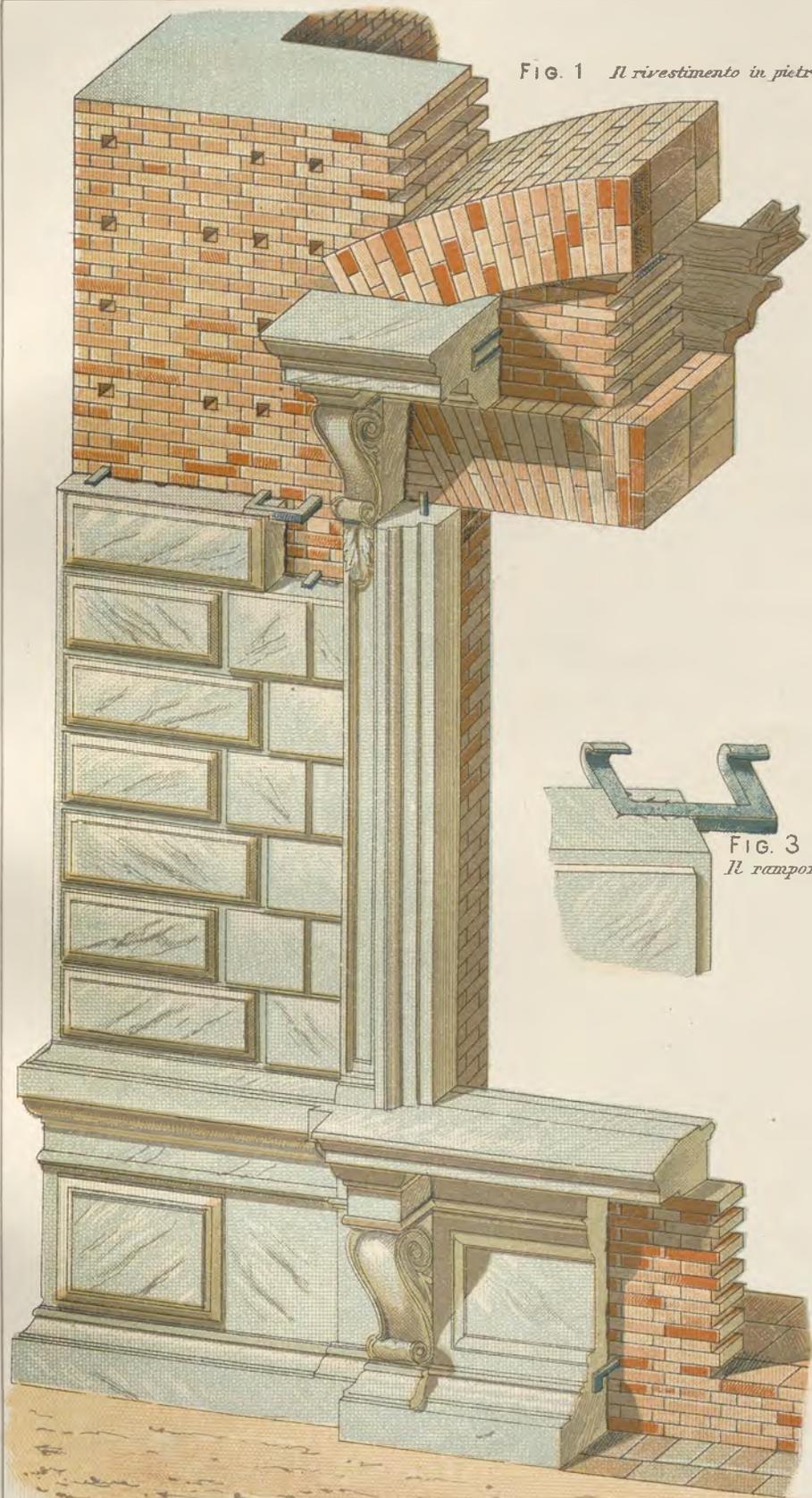


FIG. 3
Il ramone doppio

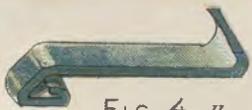


FIG. 4 *Il ramone semplice*

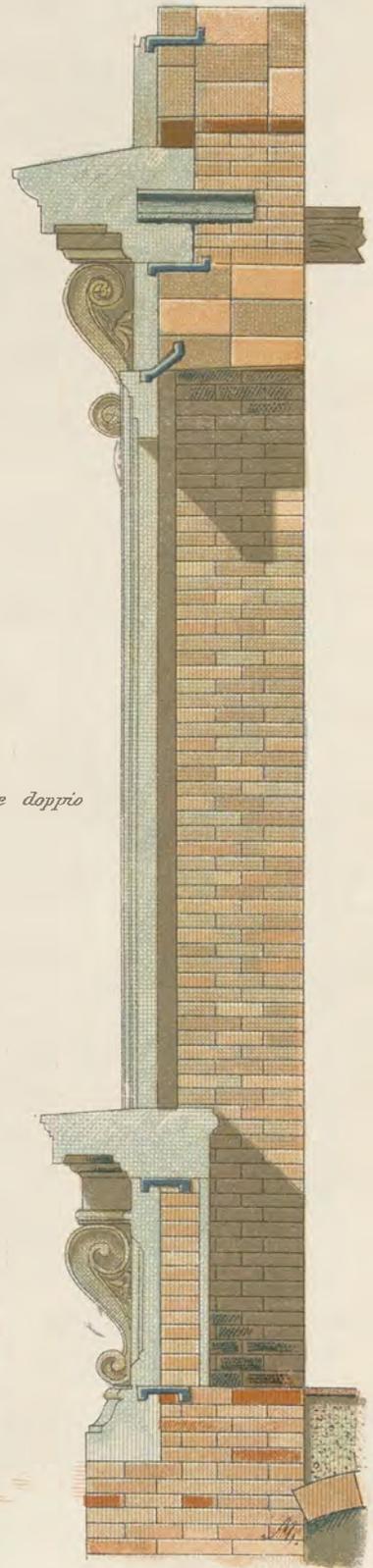


FIG. 2 *Sezione*

FIG. 2 *La condotta dei lavori e l'allineamento dei muri nel piano sotterraneo*

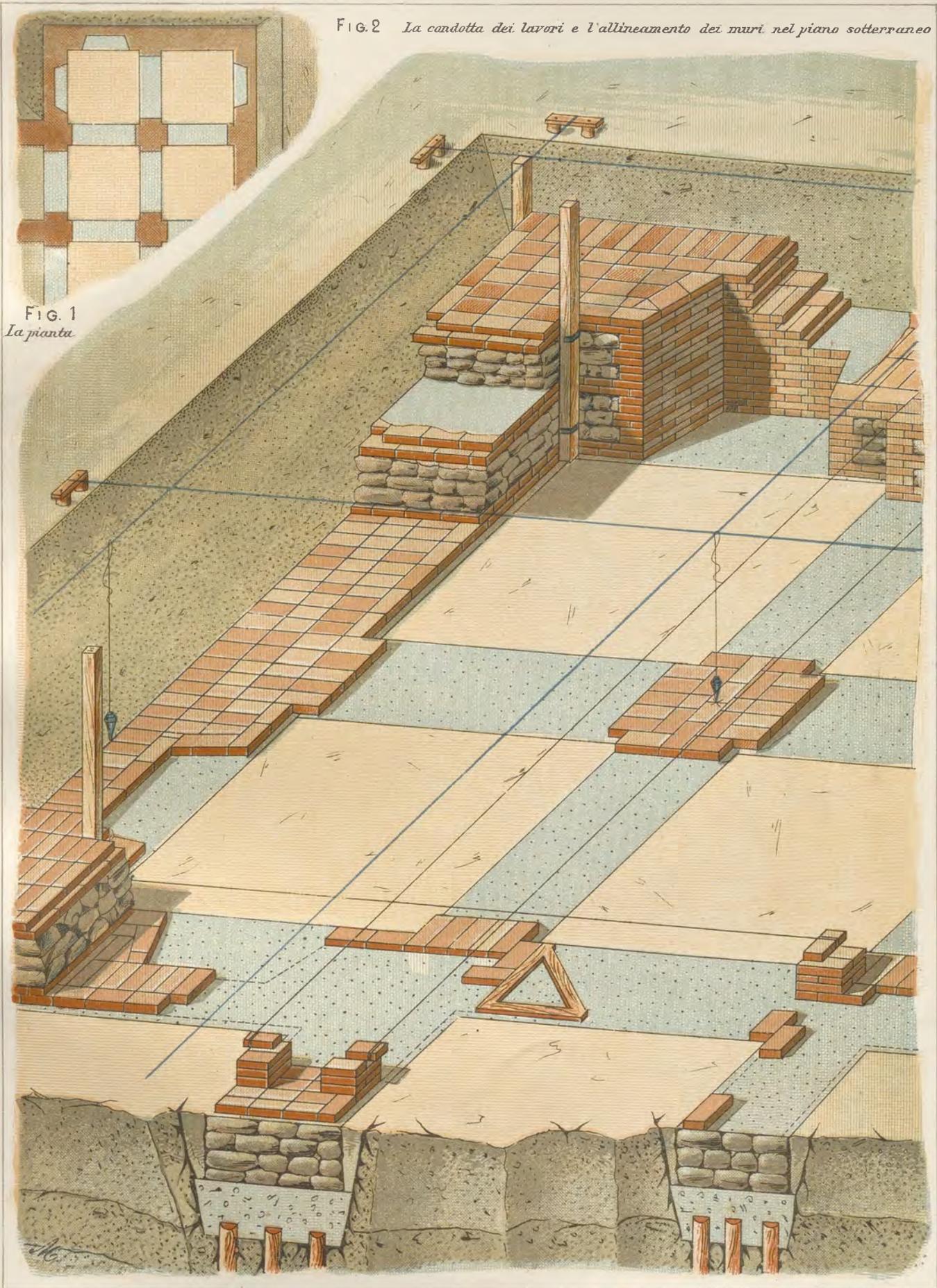


FIG. 1
La pianta



FIG 1
La leva
palanchino



FIG. 2 Il carro-leva

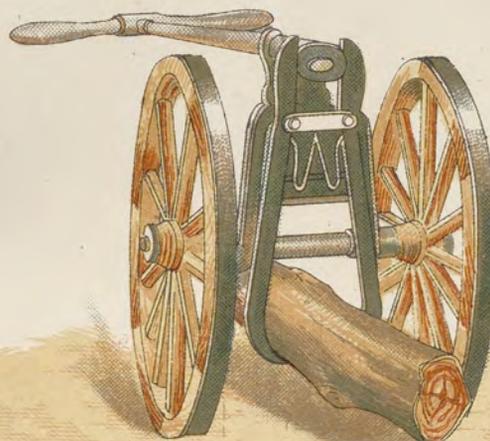


FIG. 3 L'altalena



FIG. 5
La taglia a
tre girelle



FIG 6
La taglia a
quattro girelle



FIG. 4
La taglia a
due girelle



FIG 7
Il bozzello

M.

FIG. 4
Il paranco differenziale



FIG. 1
La carrucola con stiffe a guancie

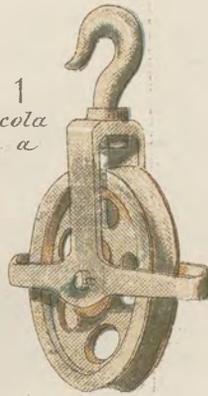


FIG. 5
Il paranco differenziale con catena di manovra

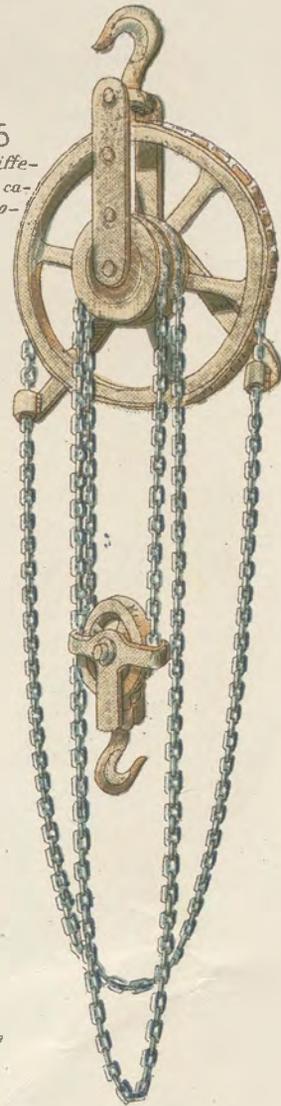


FIG. 6
Il paranco Moahre

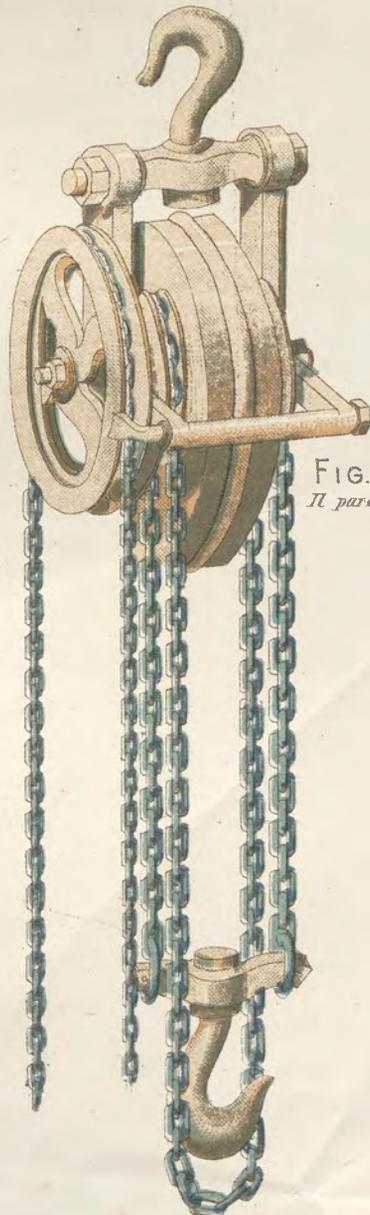
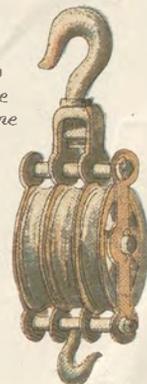


FIG. 2
La carrucola con doppio gancio



FIG. 3
La taglia a tre girelle per catene



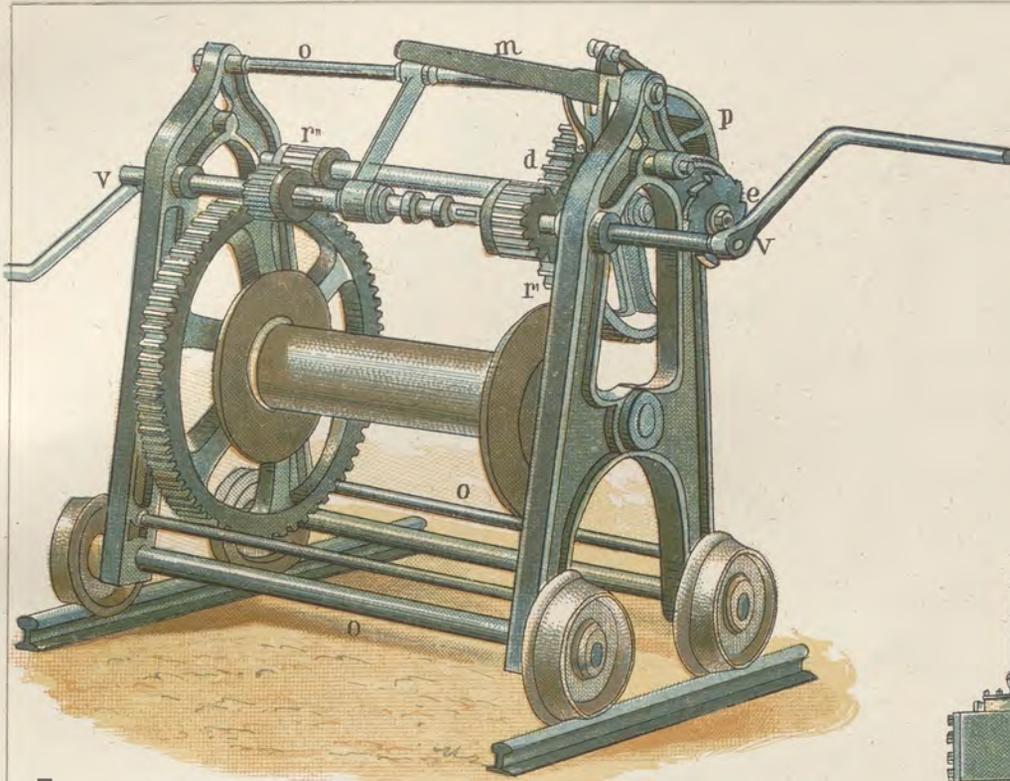


FIG. 1 *L'argano*

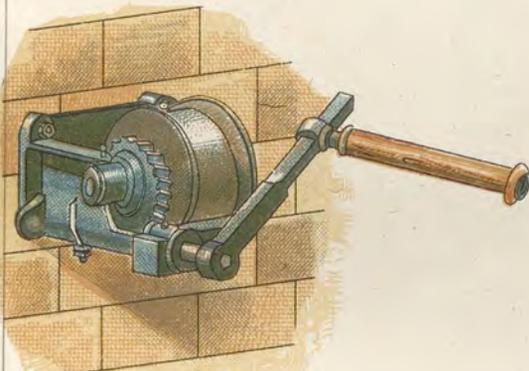


FIG. 3 *L'argano a muro*

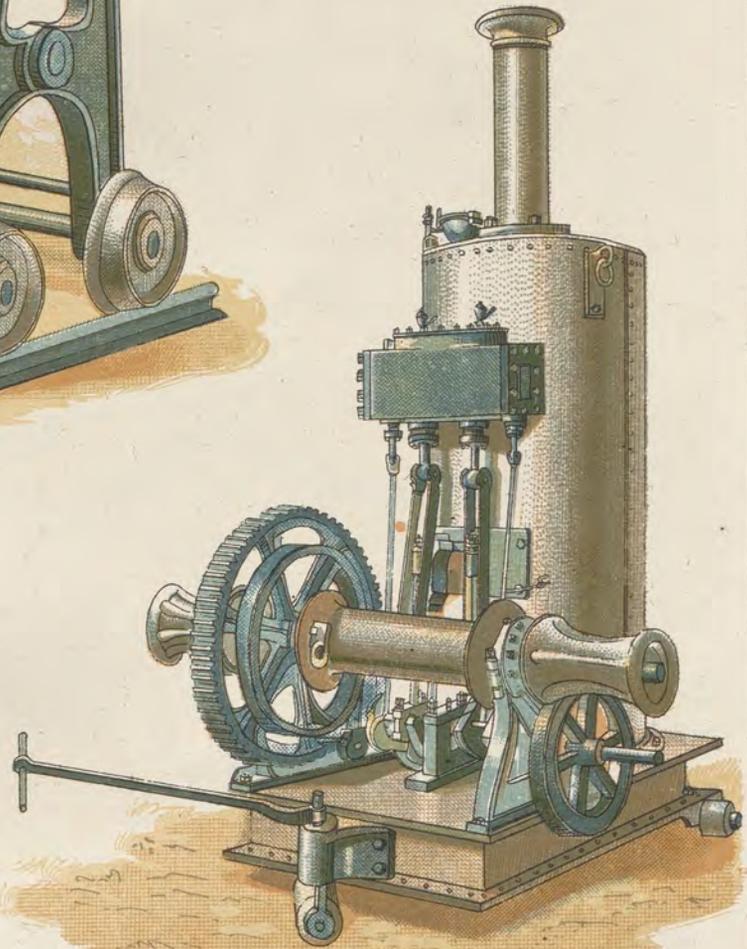


FIG. 2 *L'argano a vapore trasportabile*

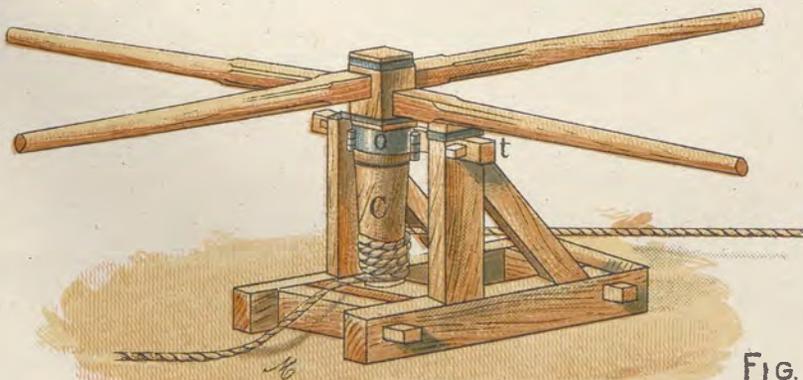


FIG. 4 *L'argano di legno*

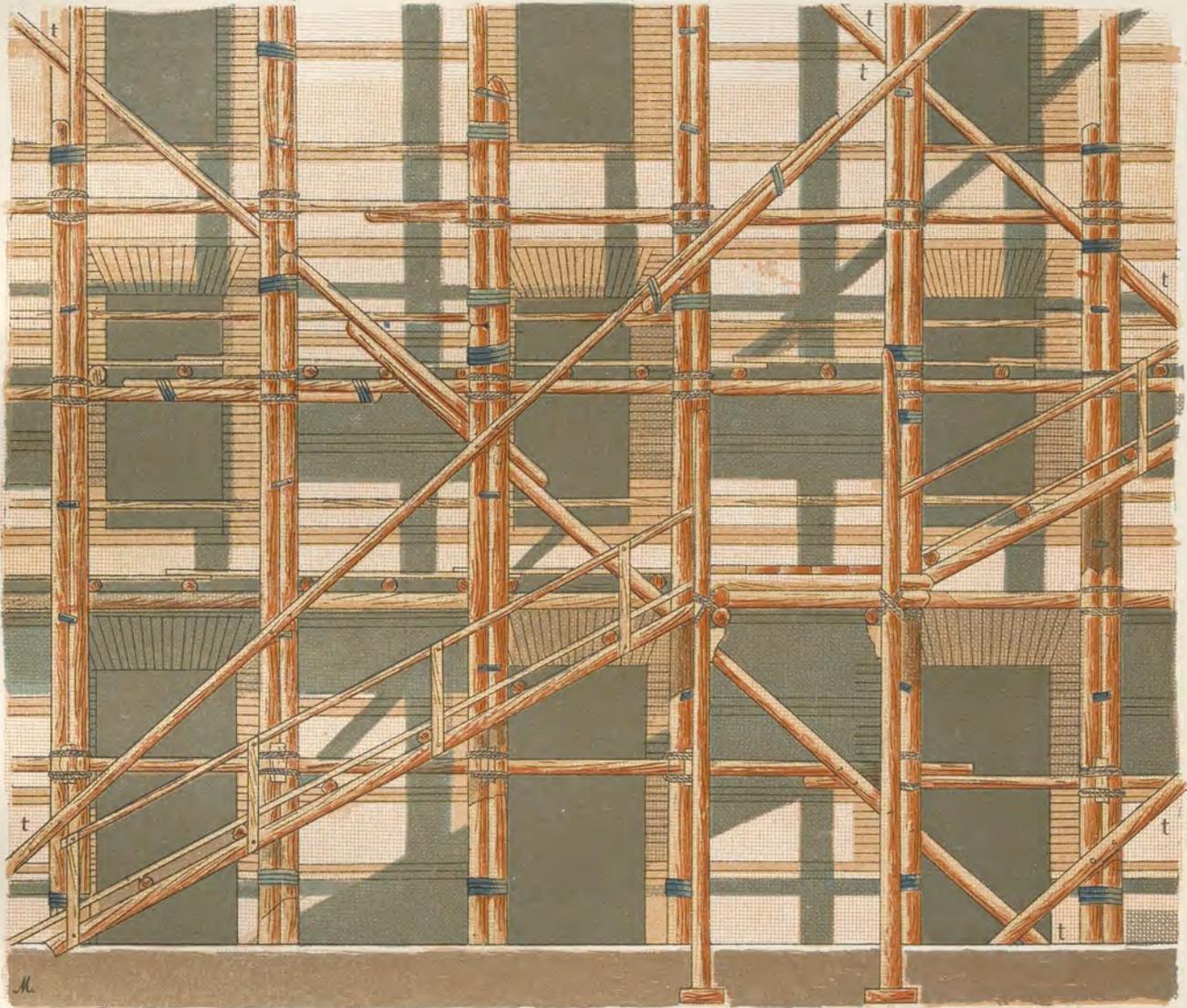


FIG. 1 Una porzione di ponte di servizio provvisto di andatore

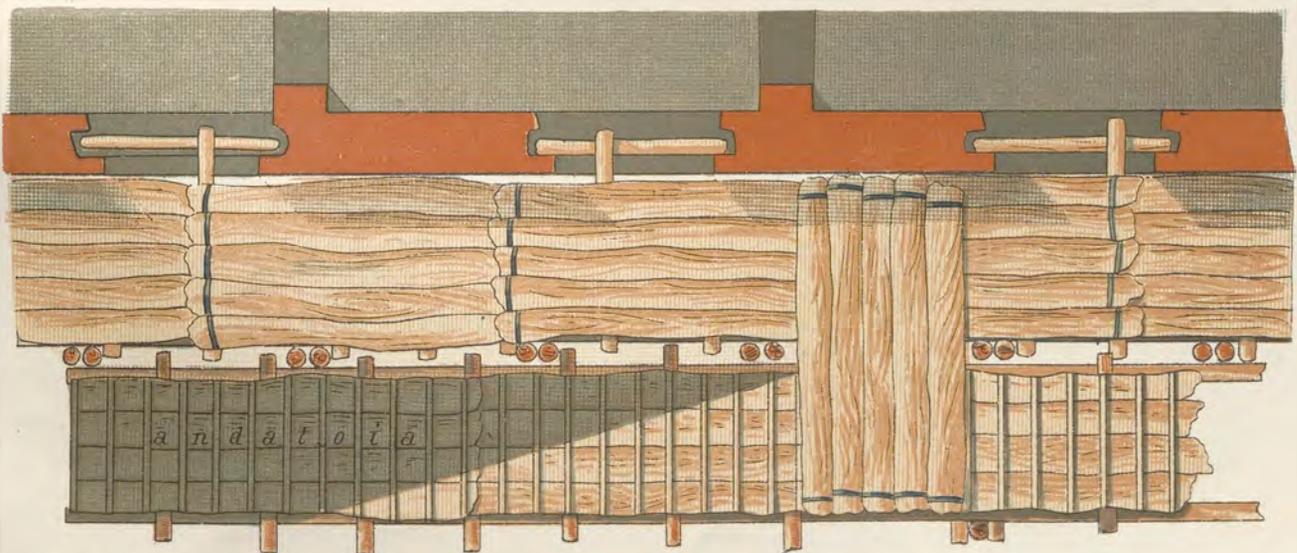


FIG. 2 La pianta del ponte e dell'andatore

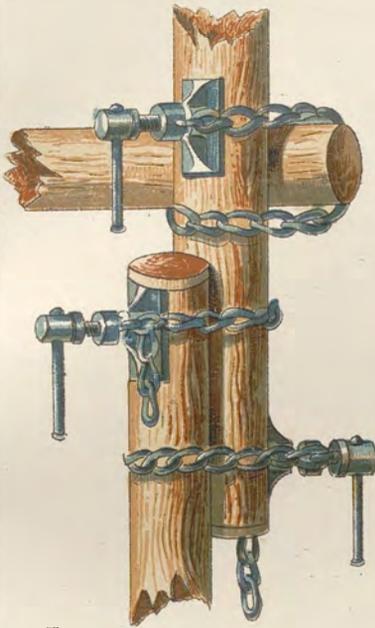


FIG. 1 *Il collegamento a catena di Bouillant*

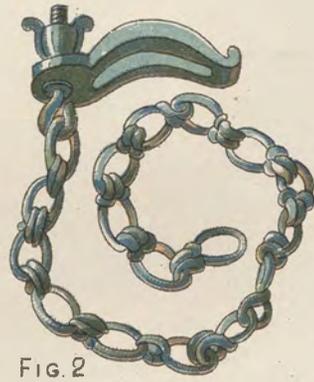


FIG. 2



FIG. 3

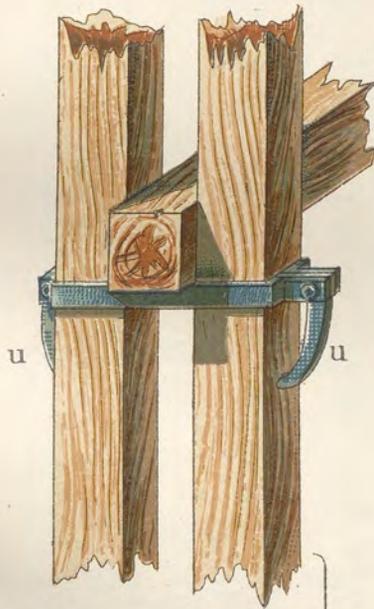


FIG. 4 *Il colletto di Heidrich*

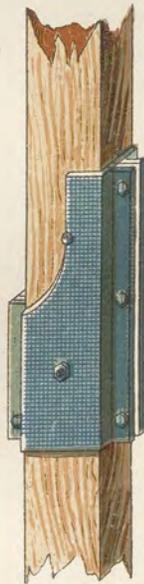


FIG. 5

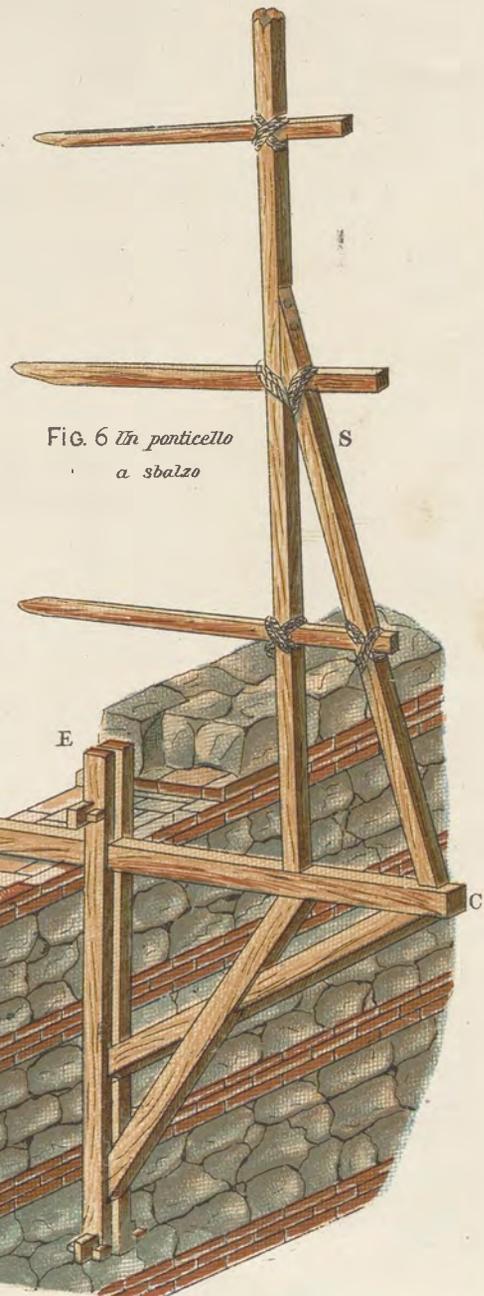


FIG. 6 *Un ponticello a sbalzo*

FIG. 2 *La sezione di un ponte doppio*

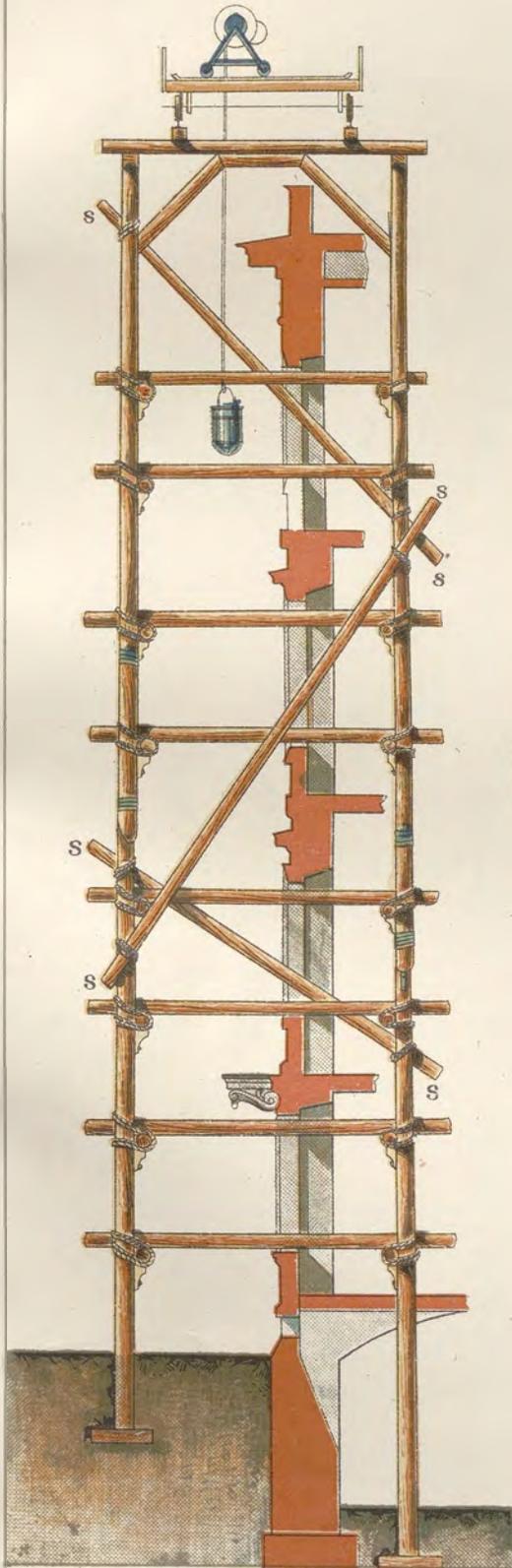


FIG. 1 *Ponte a sbalzo*

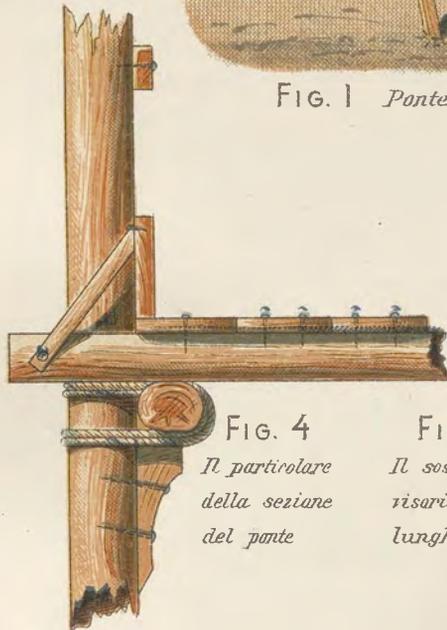


FIG. 4
Il particolare della sezione del ponte



FIG. 5
Il sostegno provvisorio delle lungherie

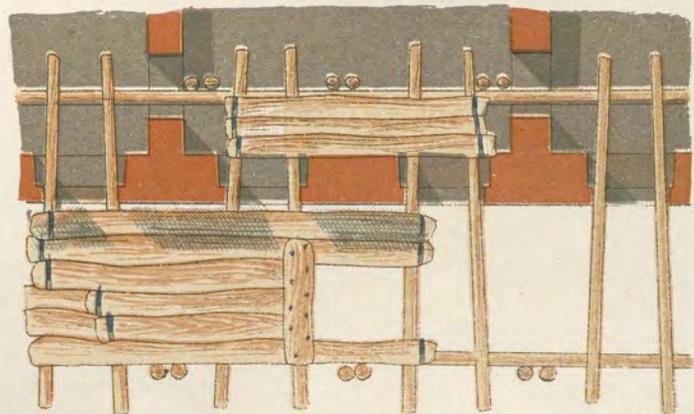


FIG. 3 *La pianta di un ponte doppio*

Mp

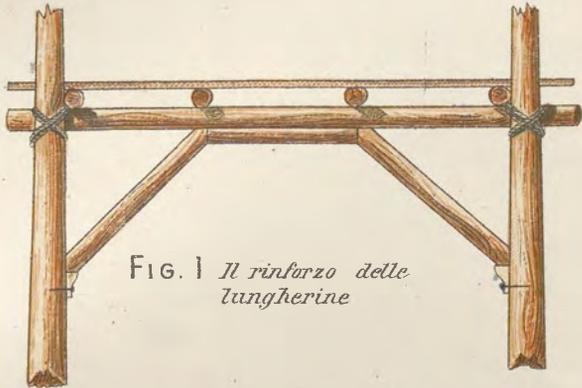


FIG. 1 *Il rinforzo delle lungherine*

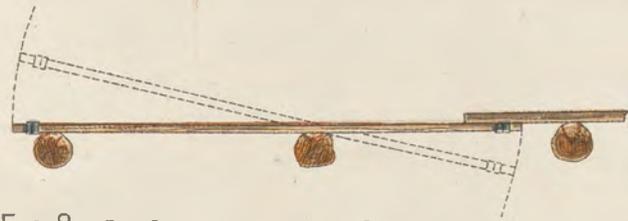


FIG. 2 *La disposizione a bilancia delle tavole*



FIG. 3 *Il ponticello a sbalzo raccomandato ad una scala aerea*



FIG. 4 *I ponticelli a sbalzo raccomandati ad una scala a pioli*

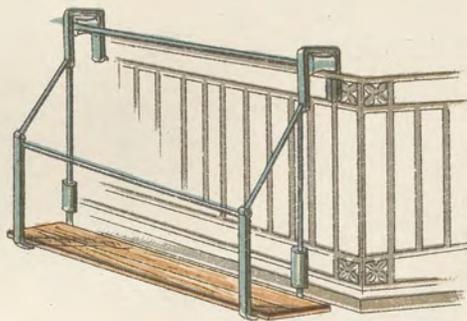


FIG. 5 *Il ponticello sospeso ad un terrazzino*

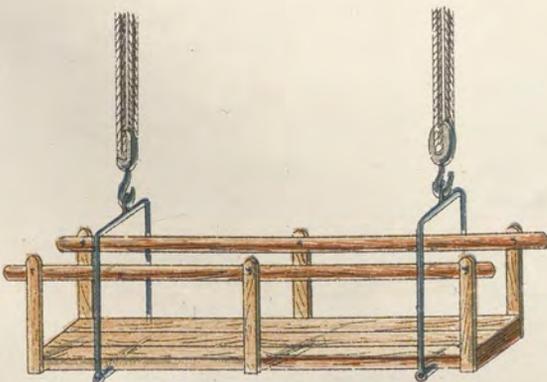


FIG. 6 *Il ponticello pensile*

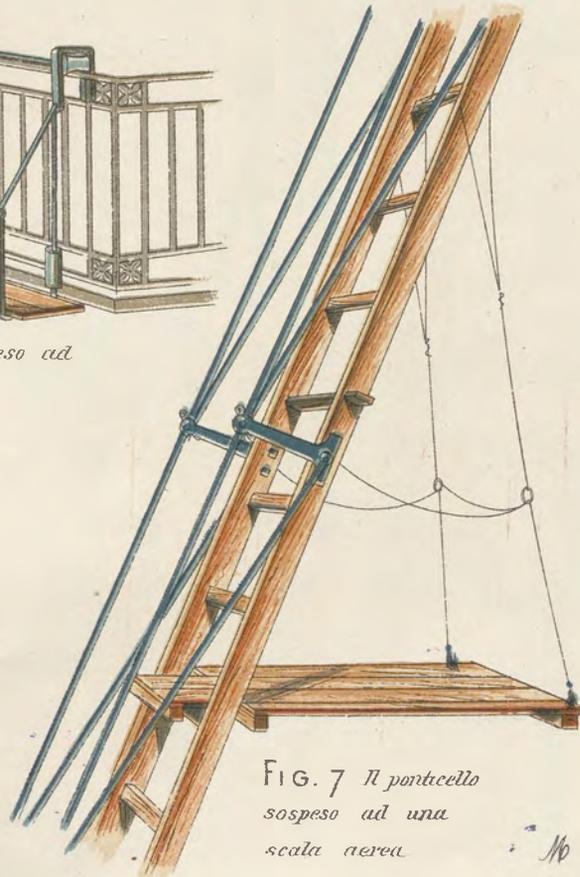


FIG. 7 *Il ponticello sospeso ad una scala aerea*

Mo

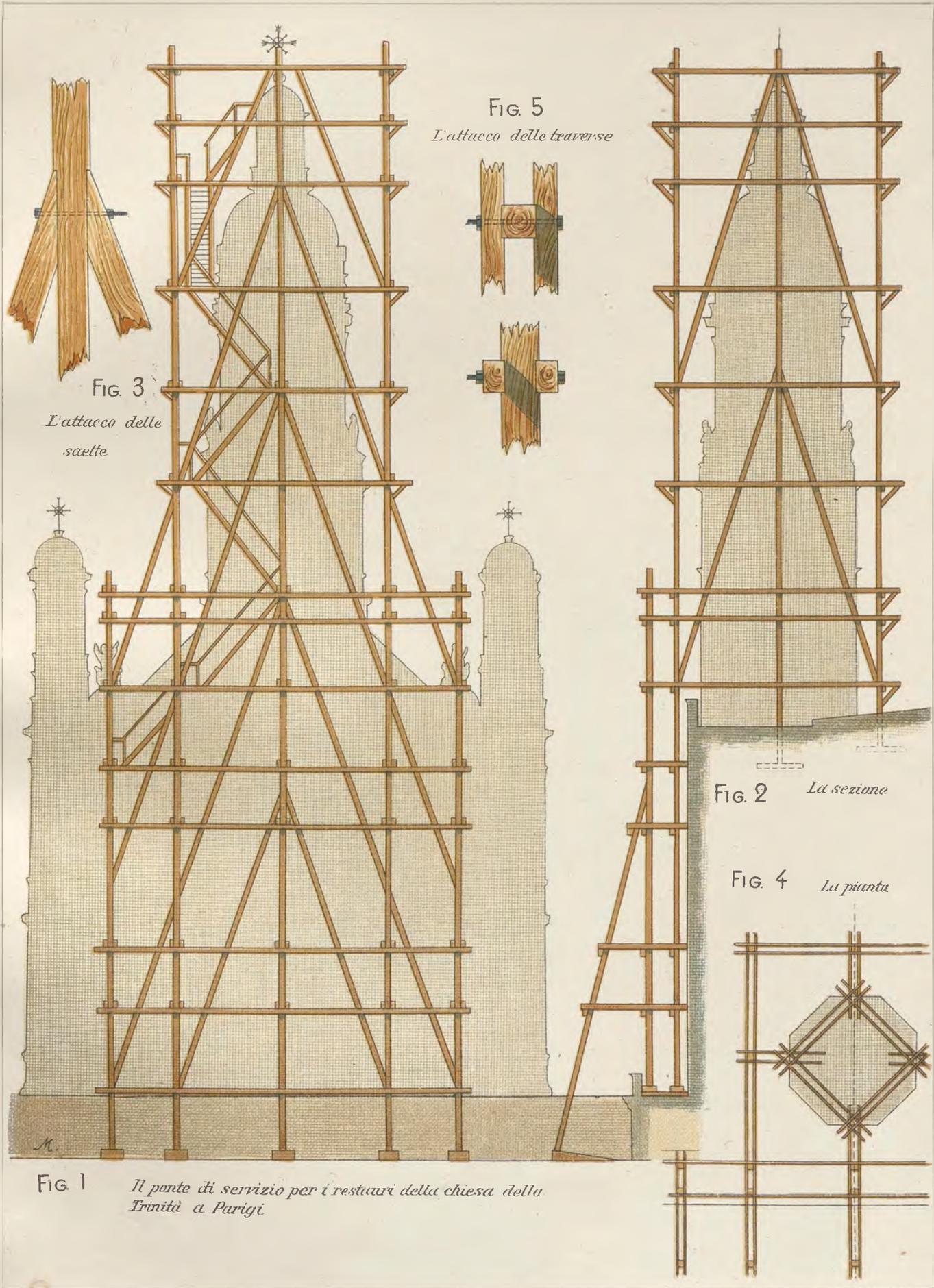


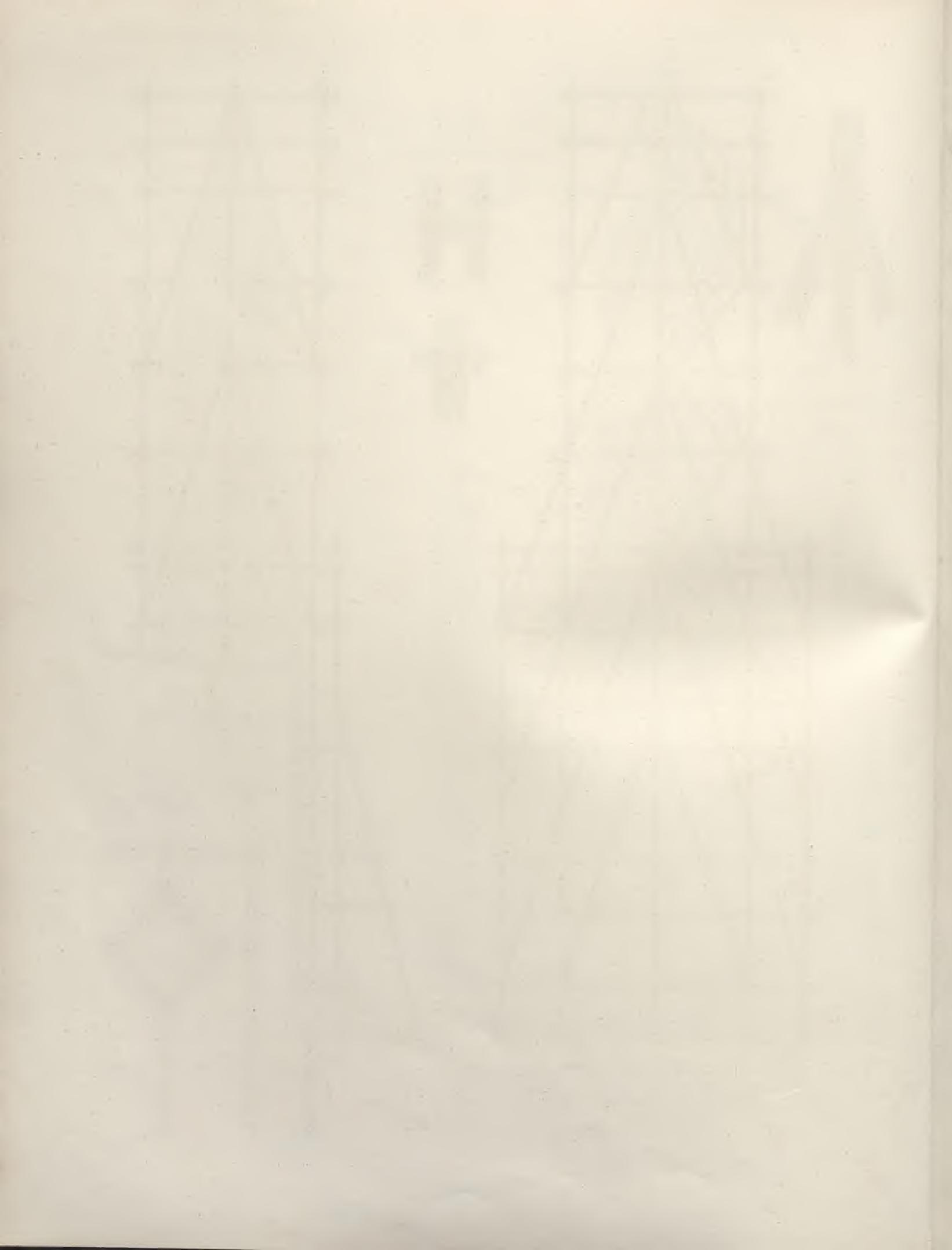
FIG. 3
*L'attacco delle
saelte*

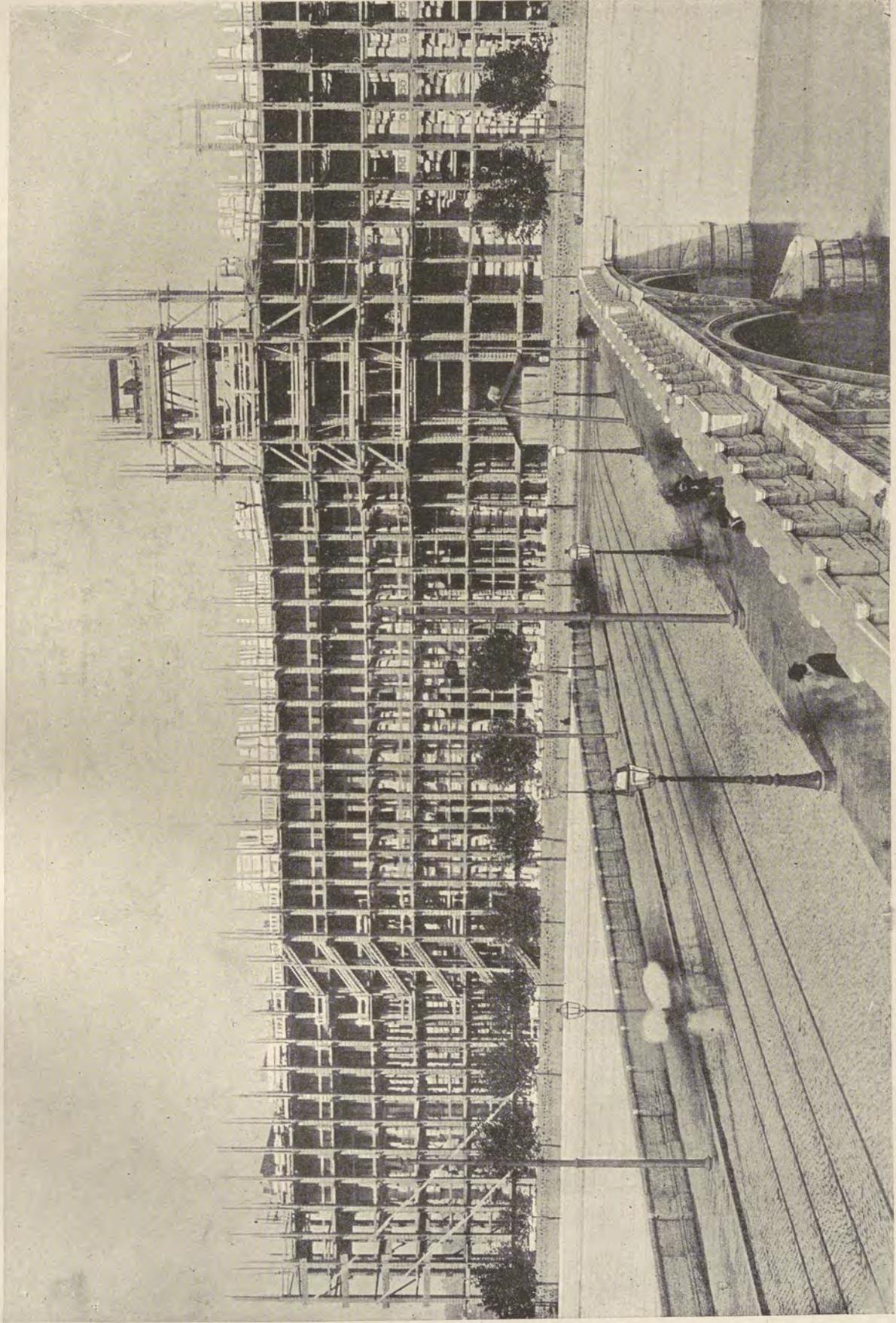
FIG. 5
L'attacco delle traverse

FIG. 2
La sezione

FIG. 4
La pianta

FIG. 1
*Il ponte di servizio per i restauri della chiesa della
Trinità a Parigi*





I Ponti di servizio impiegati per la costruzione del Palazzo di Giustizia in Roma.

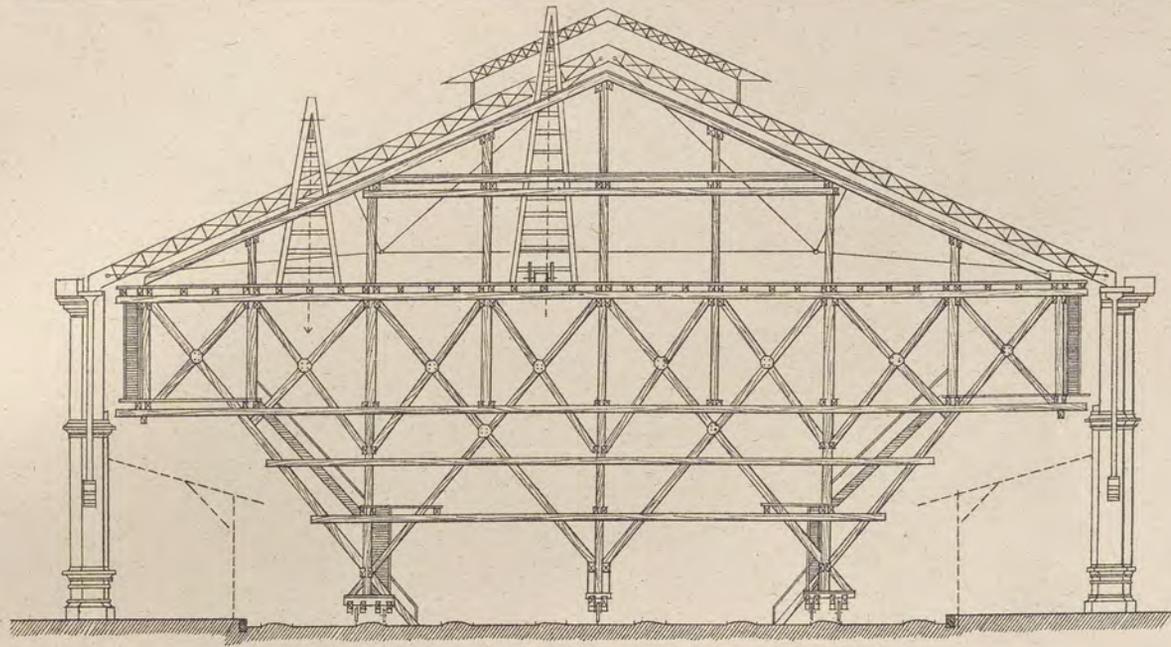


FIG. 1 *L'elevato e la pianta del ponte di servizio per la ricostruzione della tettoia della stazione di Orleans*



FIG. 3 *Il particolare dei carrelli*

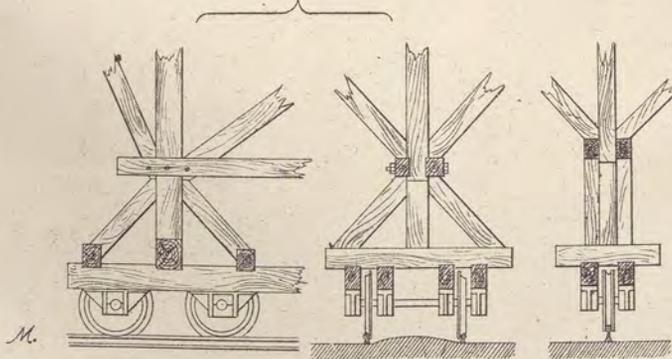


FIG. 2
La sezione del ponte

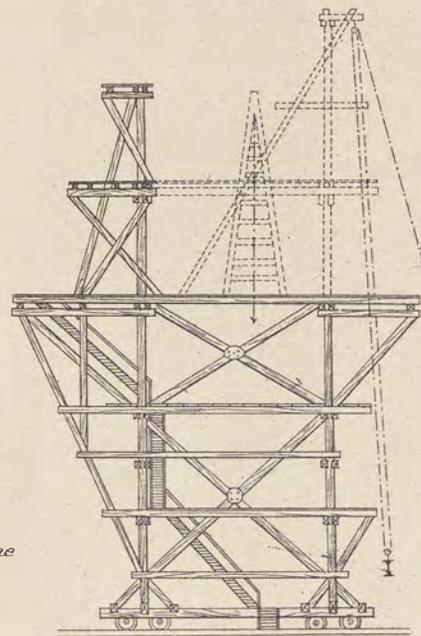
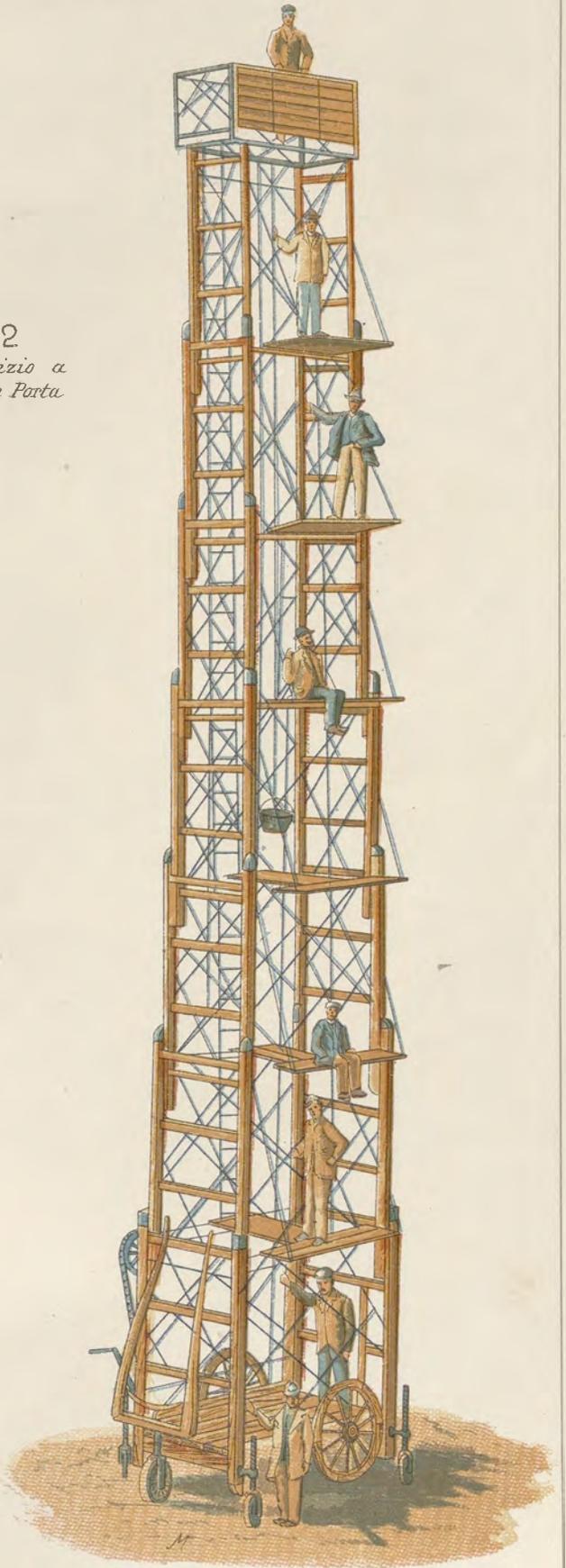


FIG. 1 *Il ponte a castello di scale*



FIG. 2
*Il ponte di servizio a
castello mobile Portu*



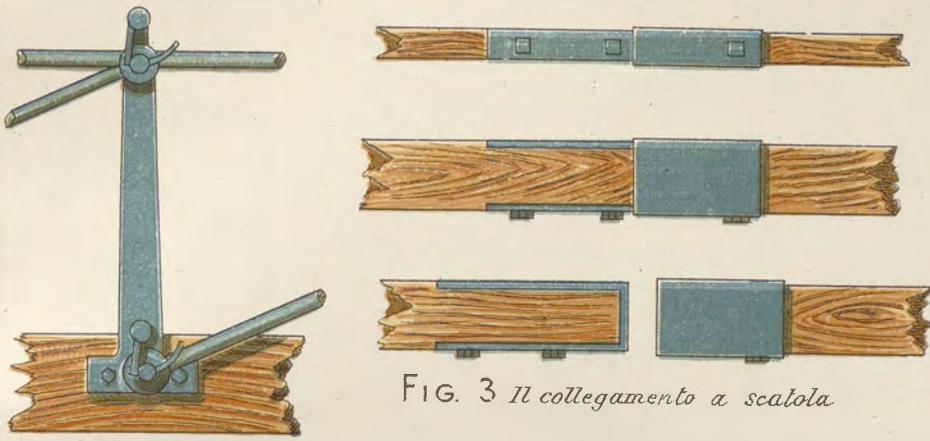


FIG. 3 Il collegamento a scatola

FIG. 5 L'attacco con chiavella dei tiranti col contraffisso

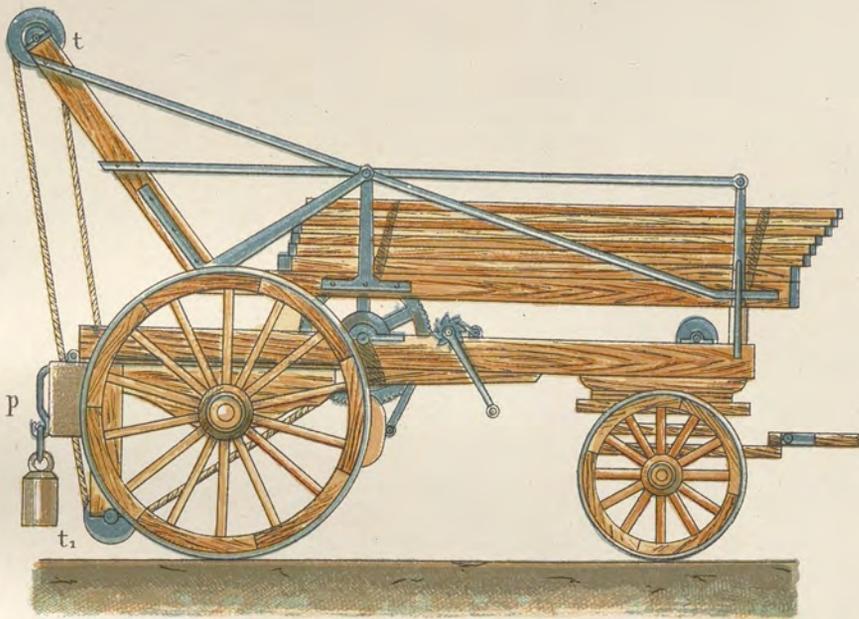


FIG. 2 La scala Porta smontata

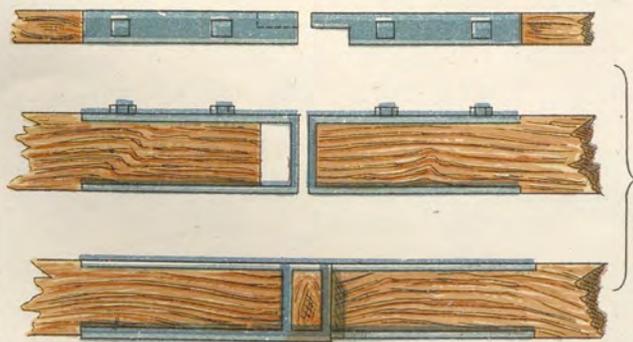


FIG. 4 Il collegamento con scalino ad innesto

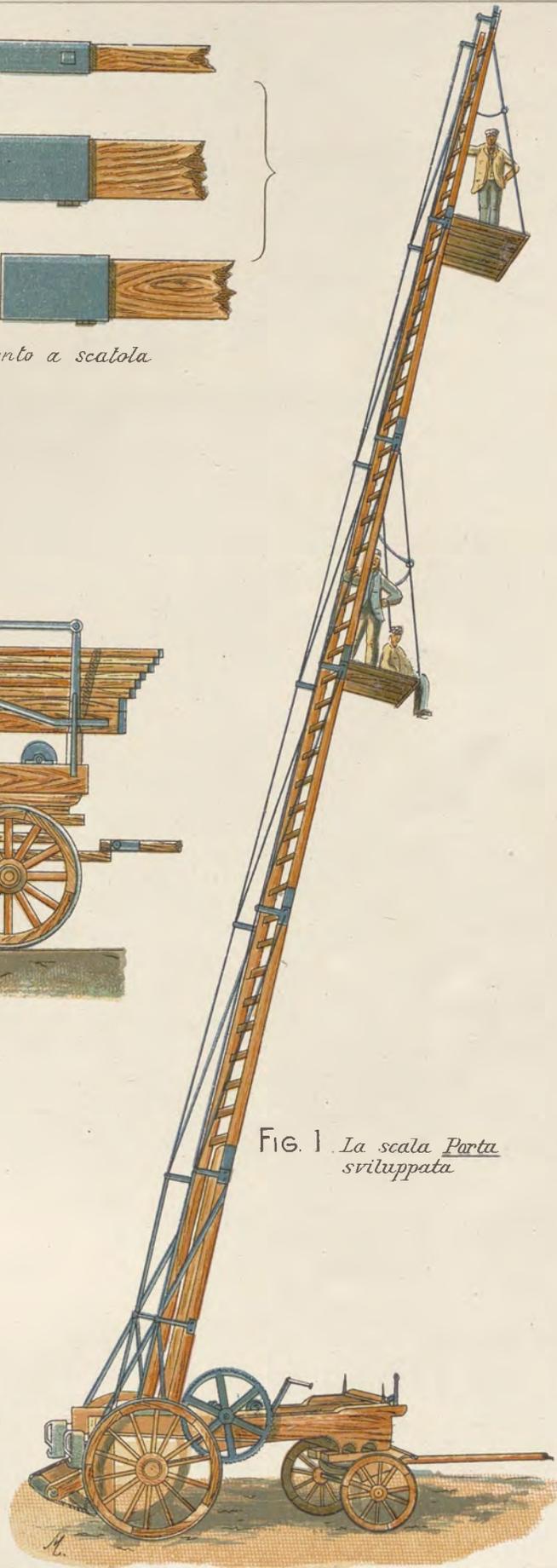
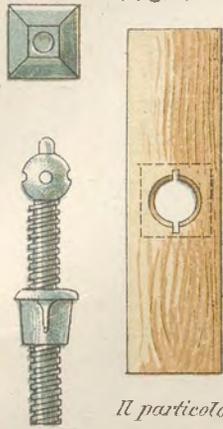


FIG. 1 La scala Porta sviluppata

FIG. 1



Il particolare delle viti di sollevamento

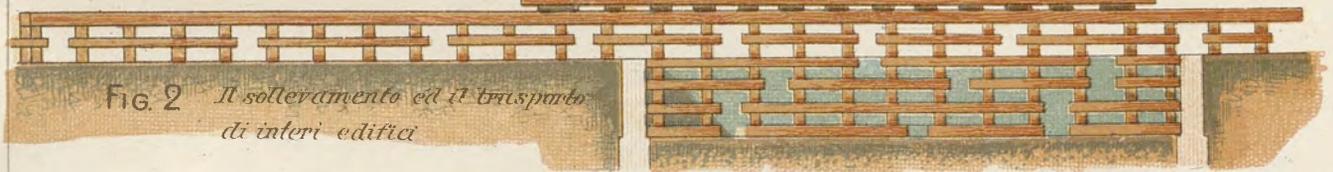
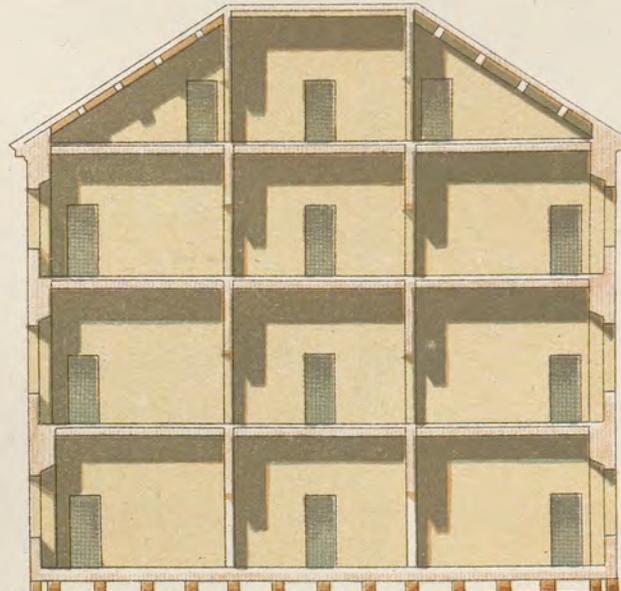


FIG. 2 *Il sollevamento ed il trasporto di interi edifici*

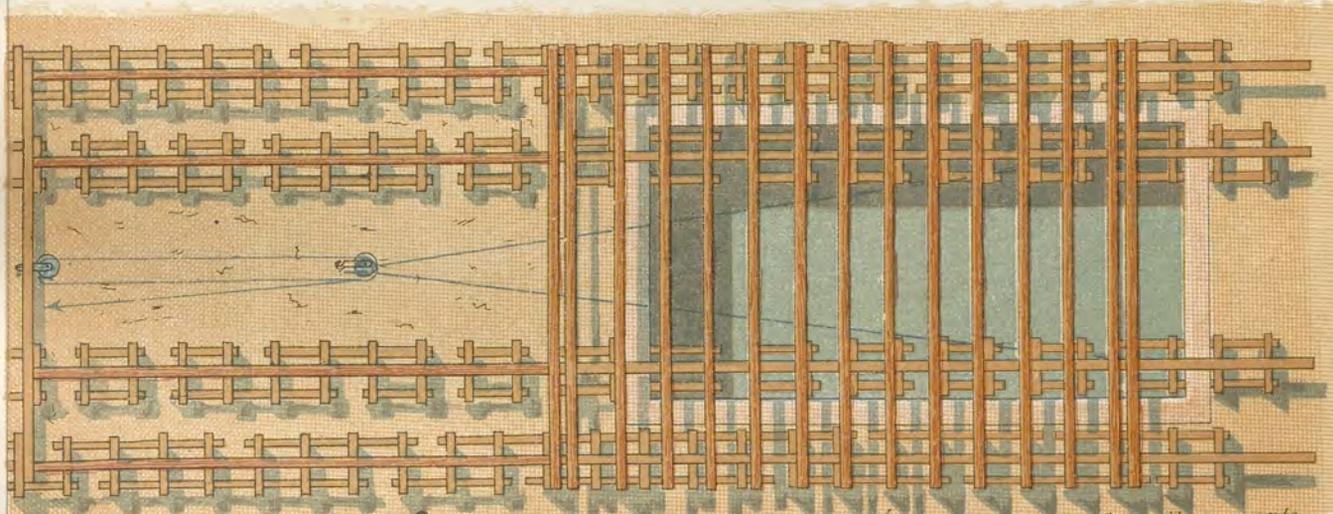
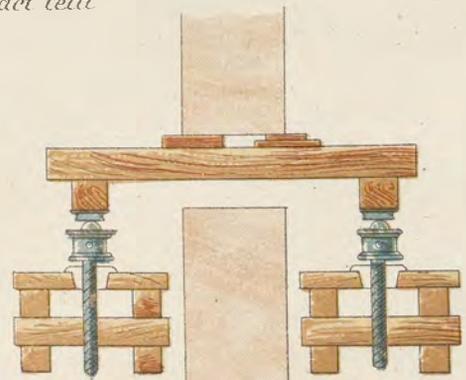
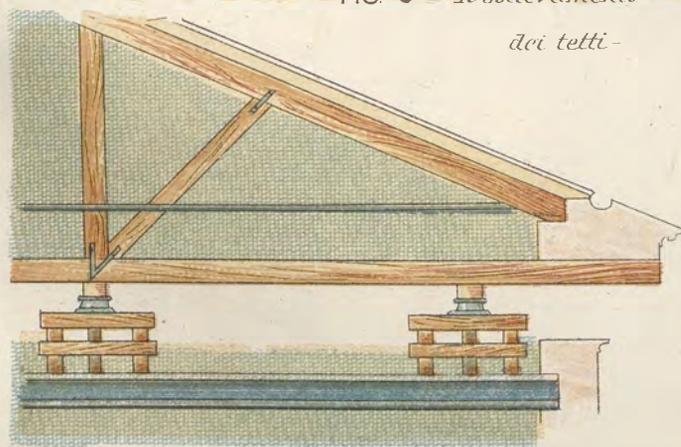


FIG. 3 *Il sollevamento dei tetti*

FIG. 4 *Il particolare del sollevamento dei tetti*



No

Fig. 1 *Il puntellamento di una parete*

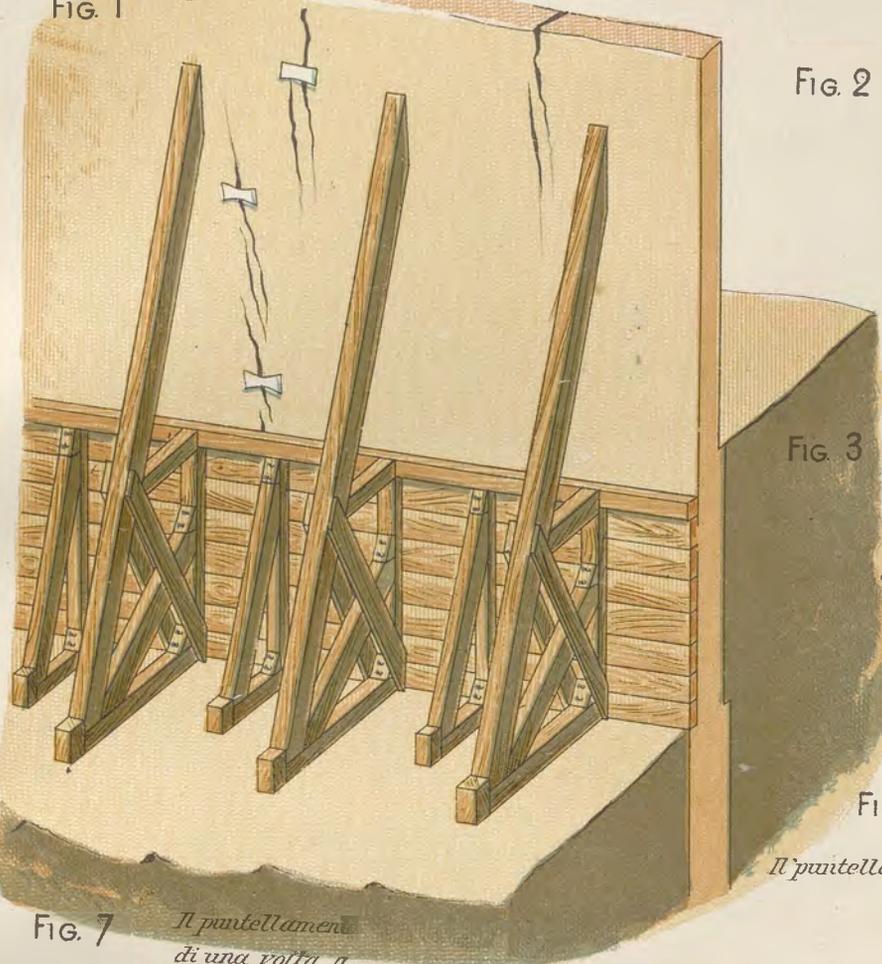


Fig. 2 *Il puntello forzato mediante curve*

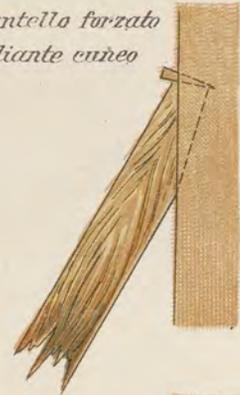


Fig. 3 *Il puntello con l'estremità tagliata a squadro*

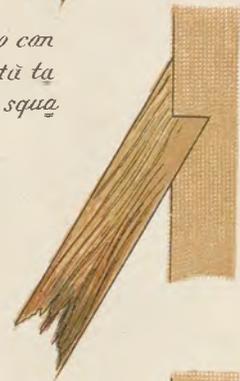


Fig. 4 *Il puntello forzato con bietto*



Fig. 7 *Il puntellamento di una volta a tutto sesto*

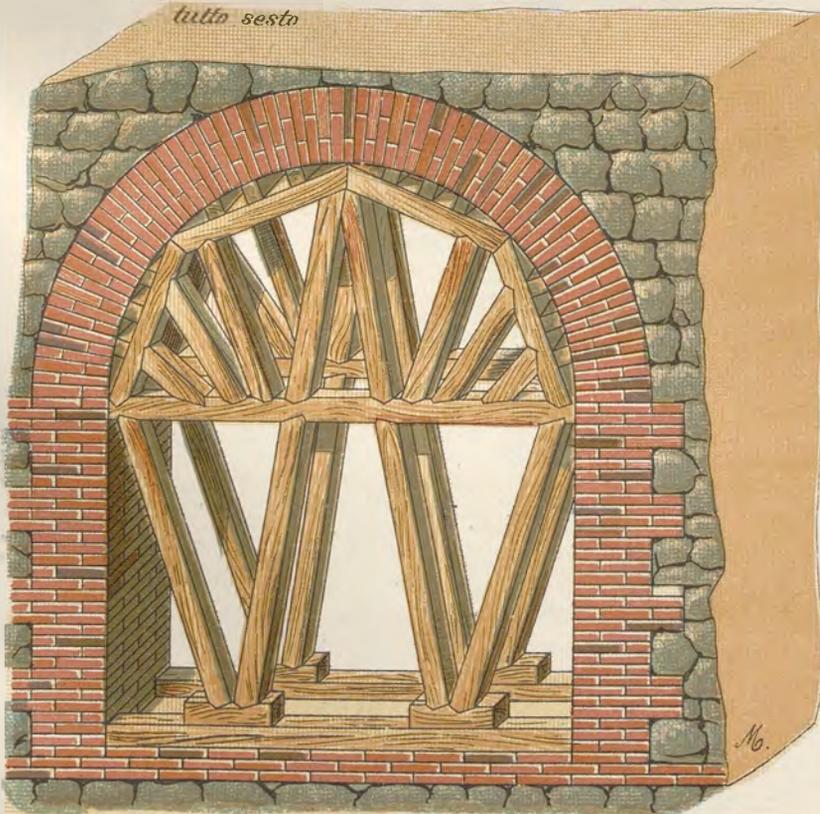


Fig. 5

Il particolare di interramento del puntello

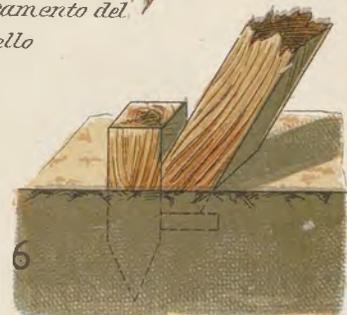


Fig. 6

Il particolare di interramento del puntello doppio



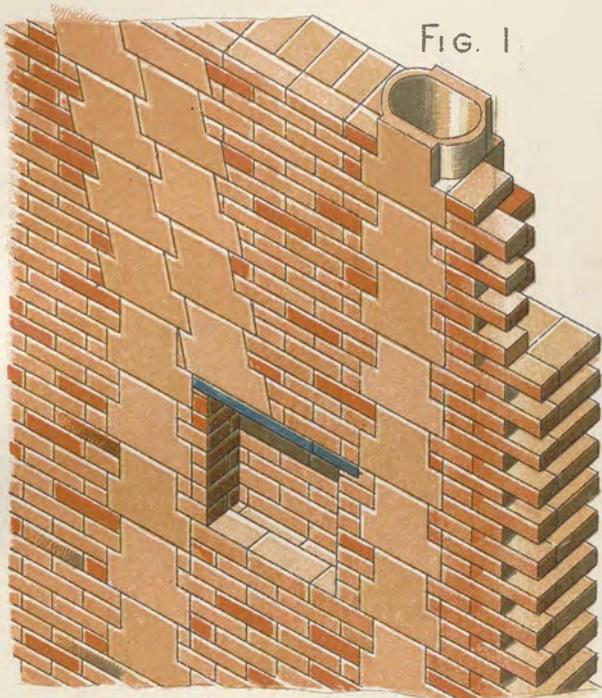


FIG. 1

I tubi Lacôte per le canne di fumo

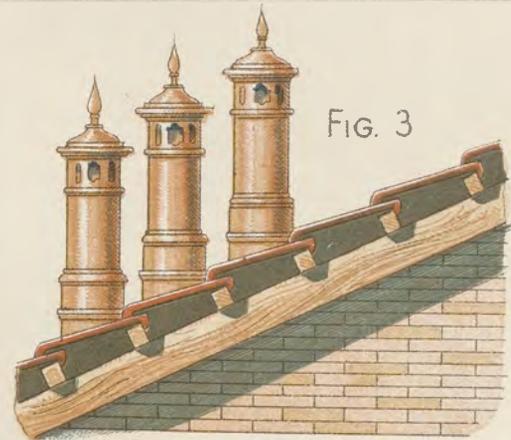


FIG. 3

I fumaioli di terra cotta

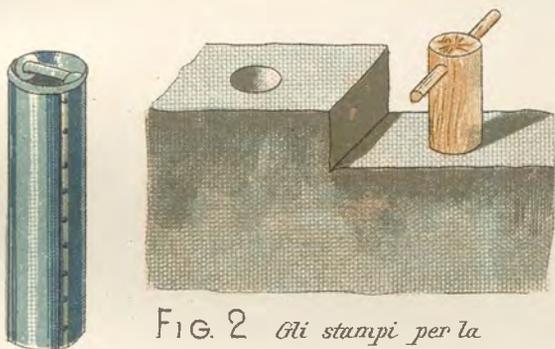


FIG. 2 *Gli stampi per la modellatura dei condotti di fumo nei muri di calcestruzzo o di pietra*

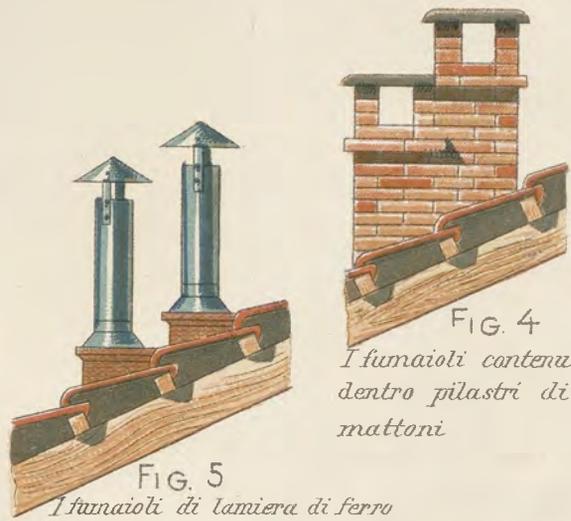


FIG. 4

I fumaioli contenuti dentro pilastri di mattoni

FIG. 5

I fumaioli di lamiera di ferro

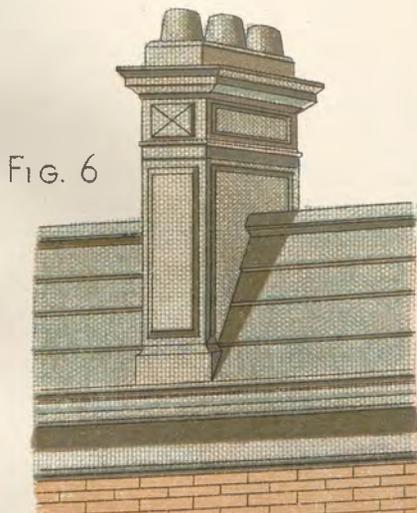


FIG. 6

I fumaioli contenuti dentro pilastri di pietre e mattoni

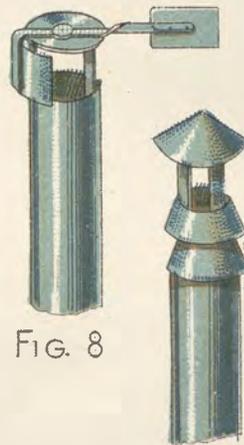


FIG. 8

I cappelli speciali dei fumaioli di lamiera per la difesa del vento

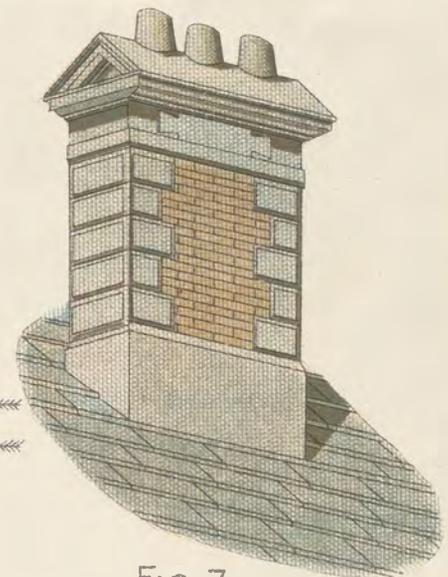


FIG. 7

I fumaioli contenuti dentro pilastri di pietra

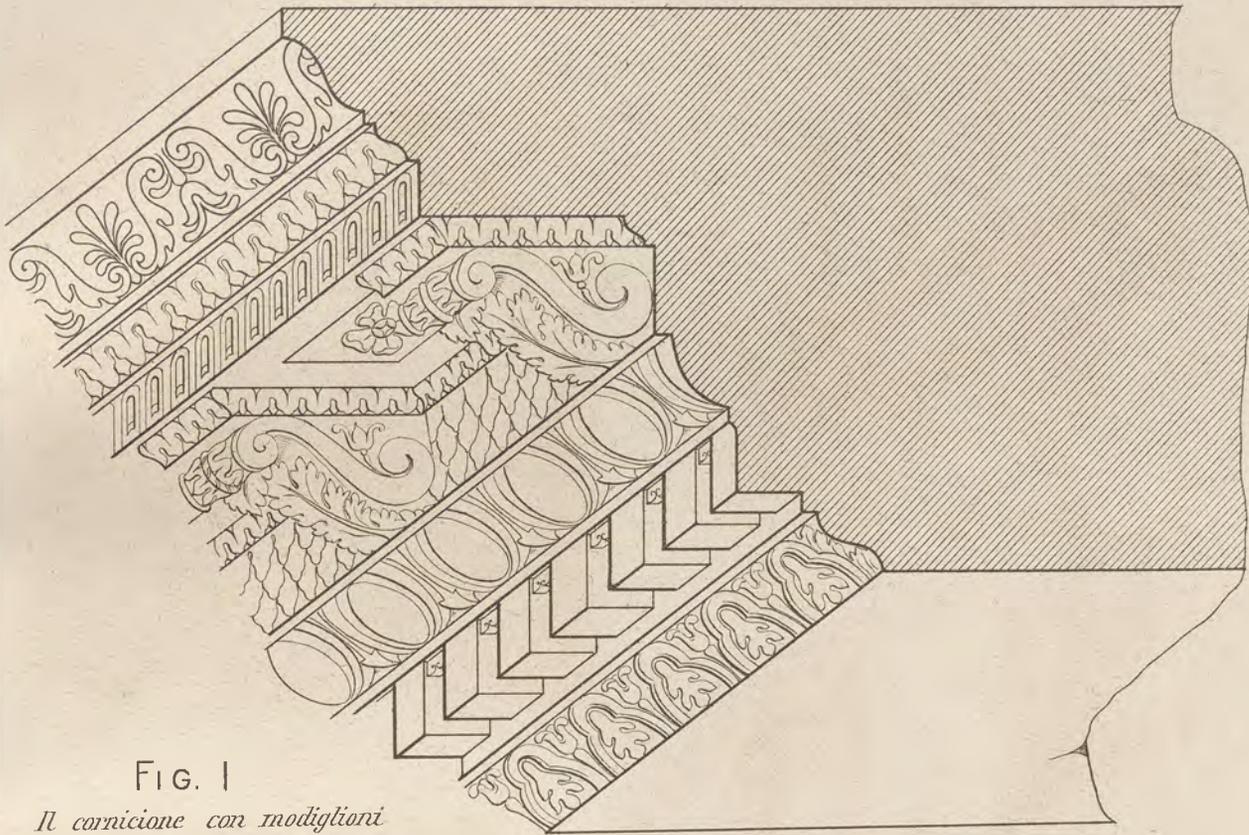


FIG. 1
Il cornicione con modiglioni

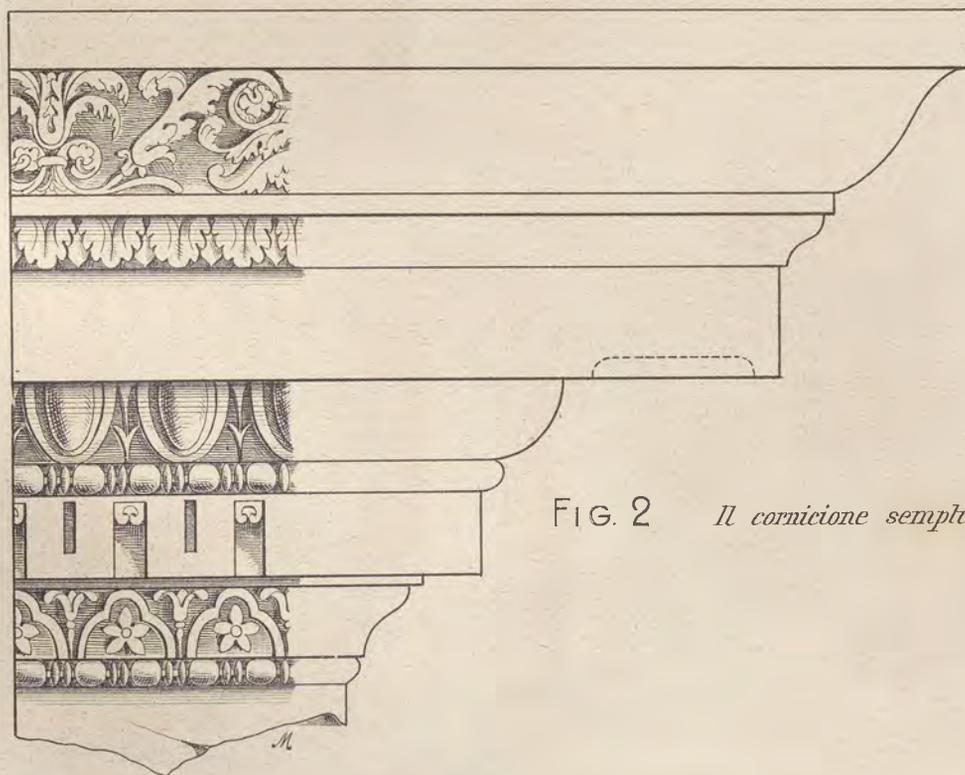


FIG. 2
Il cornicione semplice

La concatenazione delle pietre nei cornicioni mediante ferri ancorati

Fig. 1

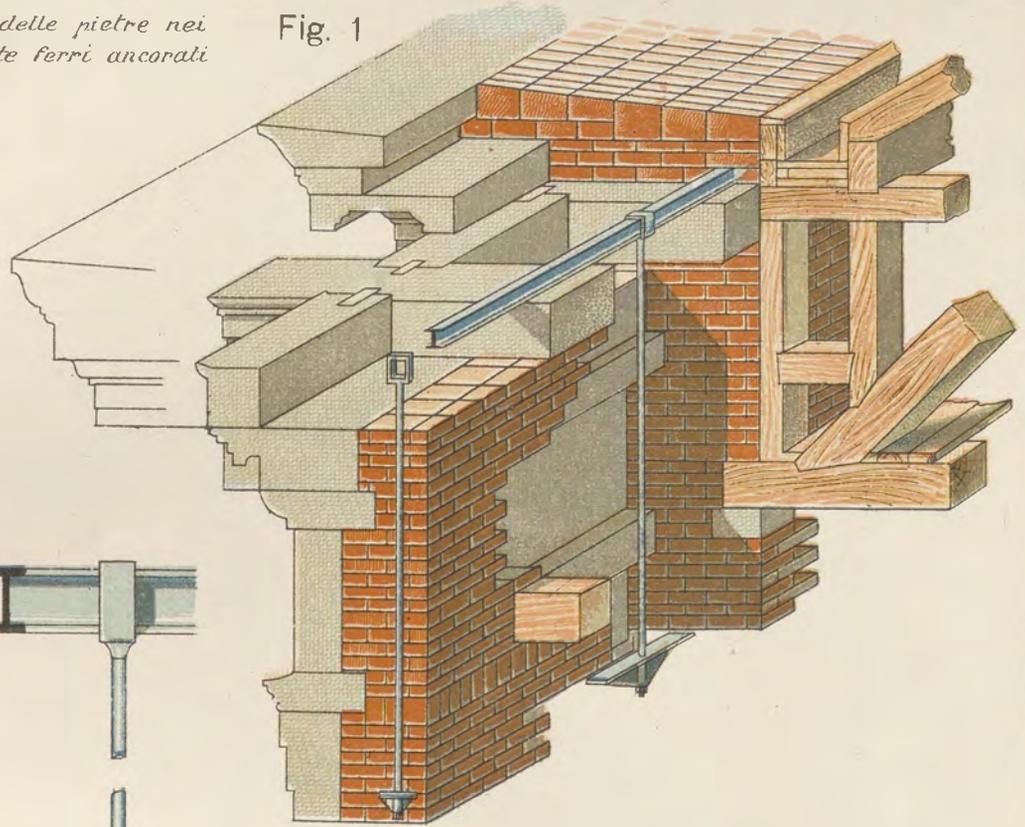
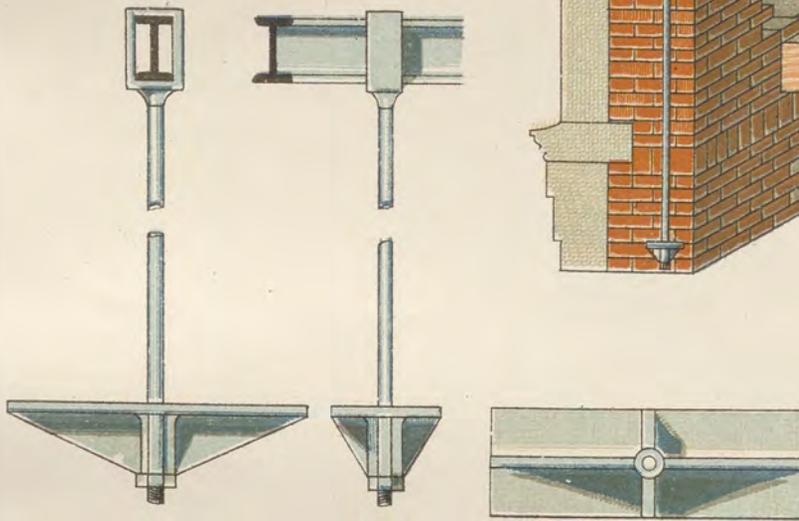


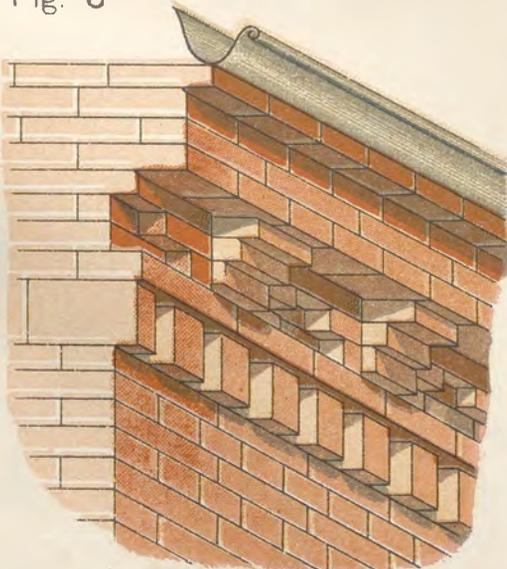
Fig. 2



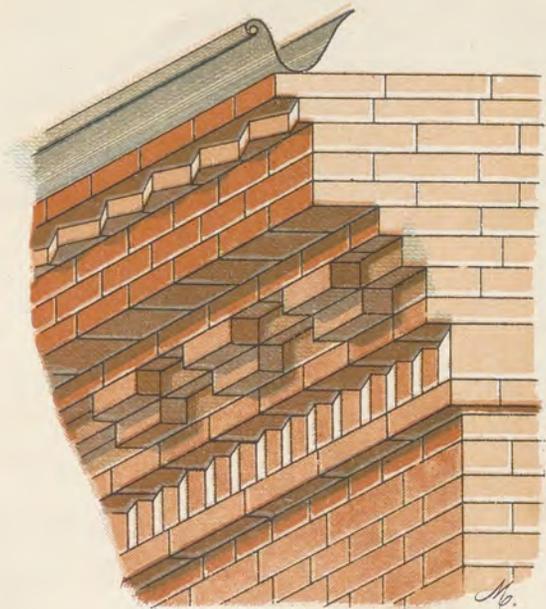
Il particolare dei collegamenti di ferro

Fig. 4

Fig. 3



Una cornice di mattoni



Altra cornice di mattoni

I cornicioni in terracotta

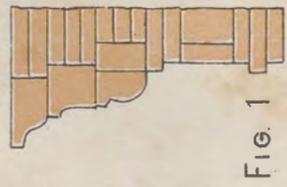


FIG. 1



FIG. 2

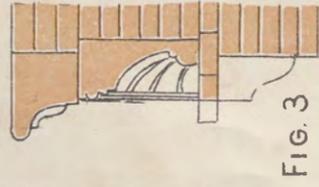


FIG. 3



FIG. 4

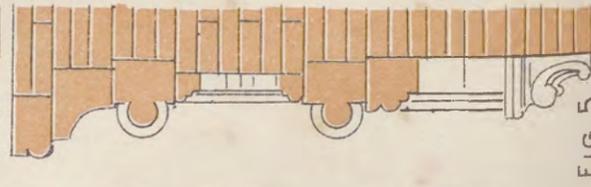
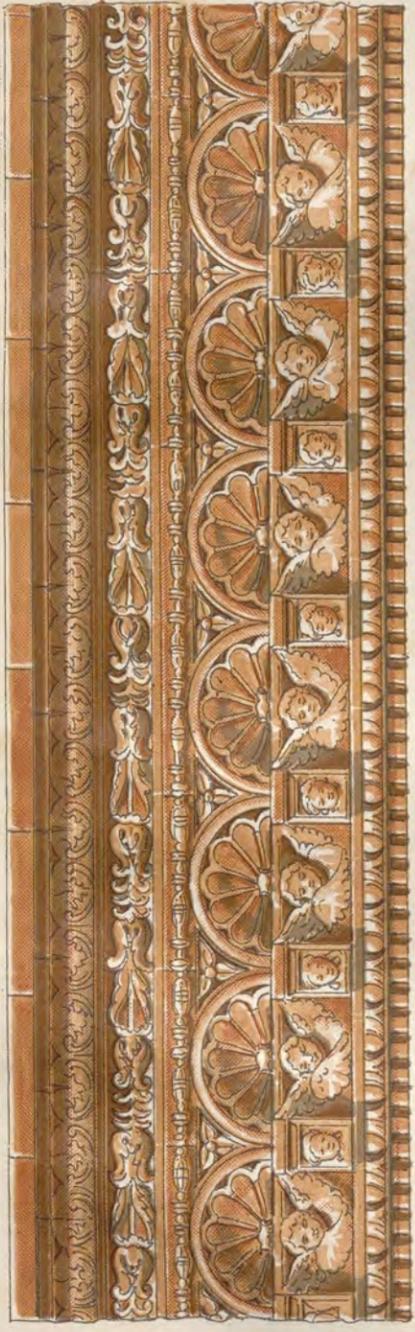


FIG. 5



FIG. 6



I cornicioni in terracotta



FIG. 7





