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NOTICE DE LA REVUE	
Auteur(s) ou collectivité(s)	Revue technique de l'exposition universelle de Chicago 1893
Auteur(s)	Revue technique de l'exposition universelle de Chicago 1893
Titre	Revue technique de l'exposition universelle de Chicago de 1893
Édition	Revue technique de l'exposition universelle de Chicago de 1897
Adresse	Paris : E. Bernard et Cie, 1894-1896
Collation	10 vol. (176, 183, 250, 294, 278, 180, 130, 148, 188-[34], 240 p.) ; 26 cm
Nombre de volumes	20
Cote	CNAM-BIB 8 Xae 399
Sujet(s)	Exposition universelle (1893 ; Chicago) Industrie -- États-Unis -- 19e siècle
Permalien	<a href="https://cnum.cnam.fr/redir?8XAE399">https://cnum.cnam.fr/redir?8XAE399</a>
LISTE DES VOLUMES	
	<a href="#">1. L'architecture et les constructions métalliques à l'exposition de Chicago. Première partie</a>
	<a href="#">Première partie. Architecture. Atlas</a>
	<a href="#">2. Les nouvelles chaudières à vapeur. Chaudières fixes et chaudières marines à l'Exposition de Chicago</a>
	<a href="#">Deuxième partie. Chaudières fixes et chaudières marines. Atlas</a>
	<a href="#">3. L'électricité industrielle à l'Exposition de Chicago en 1893. Troisième partie</a>
	<a href="#">Troisième partie. Electricité industrielle. Atlas</a>
	<a href="#">4. La mécanique générale à l'exposition de Chicago. Moteur à vapeur, à gaz, à air hydraulique. Pompes grandes installations mécaniques</a>
	<a href="#">[Quatrième partie.] Moteurs à vapeur, à gaz, à air, hydraulique, pompes, grandes installations mécaniques. Atlas</a>
	<a href="#">5. Les arts militaires aux Etats-Unis et à l'Exposition de Chicago</a>
	<a href="#">[Cinquième partie.] Les arts militaires aux Etats-Unis et à l'exposition de Chicago. Atlas</a>
	<a href="#">6. L'agriculture et les machines agricoles aux Etats-Unis</a>
VOLUME TÉLÉCHARGÉ	<a href="#">[Sixième partie.] L'agriculture et les machines agrcioles aux Etats-Unis. Atlas</a>
	<a href="#">7. La marine des Etats-Unis</a>
	<a href="#">[Septième partie.] La marine des Etats-Unis. Atlas</a>
	<a href="#">8. Les chemins de fer à l'Exposition de Chicago. Les locomotives</a>
	<a href="#">[Huitième partie.] Les chemins de fer à l'exposition de Chicago. Les locomotives. Atlas</a>
	<a href="#">9. Les chemins de fer à l'Exposition de Chicago. Deuxième volume : voies, signaux, matériel roulant et tramways</a>
	<a href="#">[Neuvième partie.] Les chemins de fer à l'exposition de Chicago. Deuxième volume : voies, signaux, matériel roulant et tramways. Atlas</a>
	<a href="#">10. Les travaux publics aux Etats-Unis</a>
	<a href="#">[Dixième partie.] Les travaux publics aux Etats-Unis. Atlas</a>



NOTICE DU VOLUME TÉLÉCHARGÉ	
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Auteur(s) volume	Revue technique de l'exposition universelle de Chicago 1893
Titre	Revue technique de l'exposition universelle de Chicago de 1893
Volume	<a href="#">[Sixième partie.] L'agriculture et les machines agrcioles aux Etats-Unis. Atlas</a>
Adresse	Paris : E. Bernard et Cie, 1896
Collation	1 vol. ([4] p.-37 f. de pl.) ; 37 cm
Nombre de vues	105
Cote	CNAM-BIB 4 Xae 47 (6)
Sujet(s)	Exposition universelle. 1893. Chicago Machines agricoles -- États-Unis -- 1870-1914
Thématique(s)	Expositions universelles
Typologie	Revue
Langue	Français
Date de mise en ligne	15/12/2020
Date de génération du PDF	06/02/2026
Recherche plein texte	Disponible
Notice complète	<a href="https://www.sudoc.fr/240112350">https://www.sudoc.fr/240112350</a>
Permalien	<a href="https://cnum.cnam.fr/redir?4XAE47.6">https://cnum.cnam.fr/redir?4XAE47.6</a>



REVUE TECHNIQUE  
DE  
L'EXPOSITION UNIVERSELLE  
DE CHICAGO  
1893  
ATLAS  
6<sup>ÈME</sup> PARTIE

PARIS  
E. BERNARD & C<sup>IE</sup> ÉDITEURS





# L'AGRICULTURE

ET LES

## MACHINES AGRICOLES AUX ÉTATS-UNIS

PAR

**M. GRILLE**

INGÉNIEUR CIVIL DES MINES

**M. LELARGE**

INGÉNIEUR DES ARTS ET MANUFACTURES



**ORGANE**

DES CONGRES INTERNATIONAUX TENUS A CHICAGO EN 1893

SOUS LA PRÉSIDENCE DE

**MM. O. CHANUTE & E.-L. CORTHELL**



PARIS

**E. BERNARD & C<sup>IE</sup>, IMPRIMEURS-ÉDITEURS**

53 ter, quai des Grands-Augustins, 53 ter

—  
1898



## TABLE DES PLANCHES

Nos des Planches



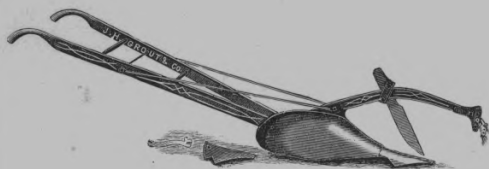
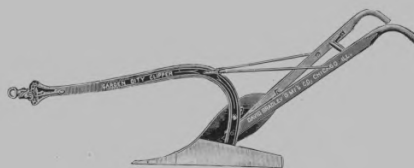
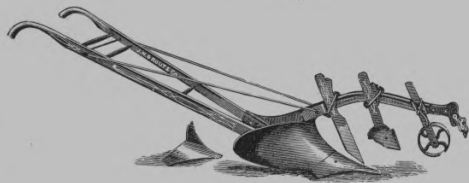


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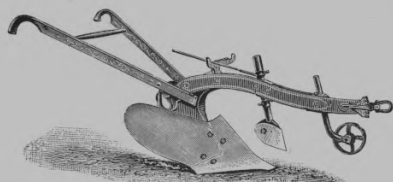
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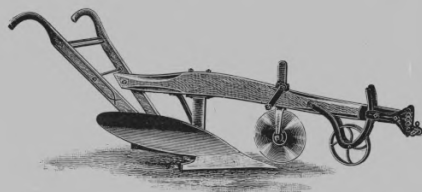
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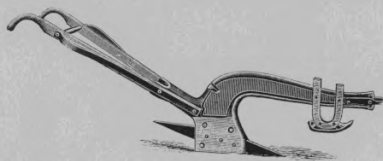
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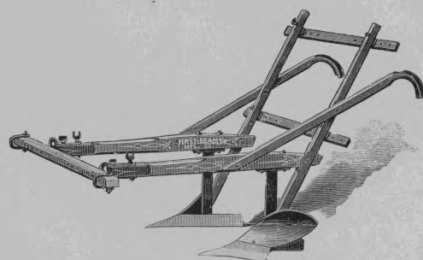
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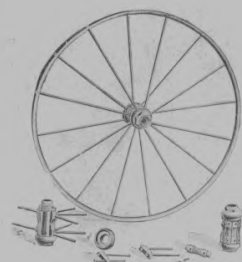
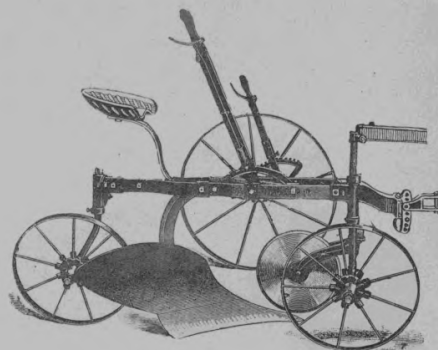
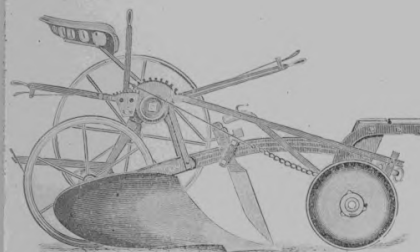


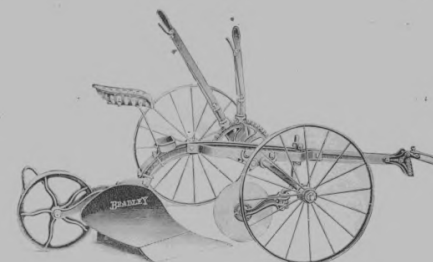
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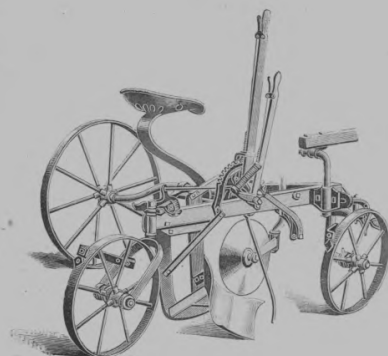
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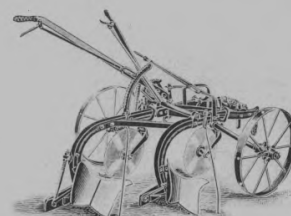
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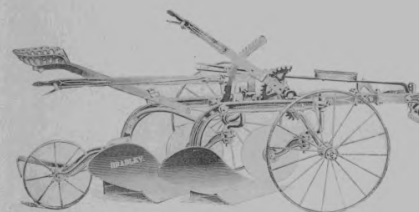
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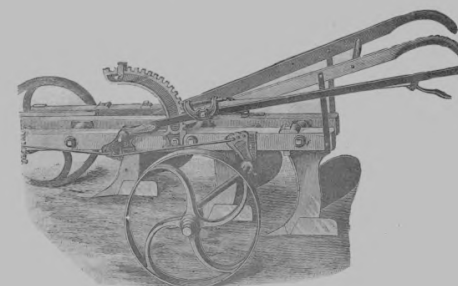
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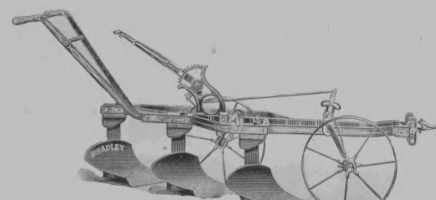
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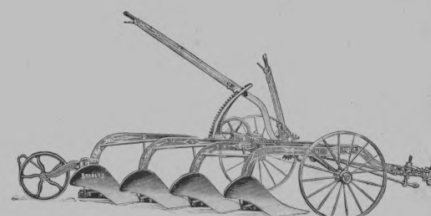
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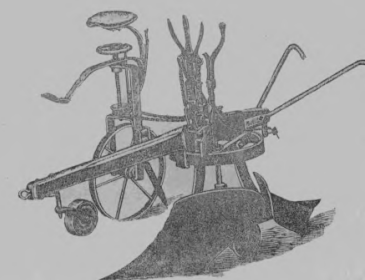
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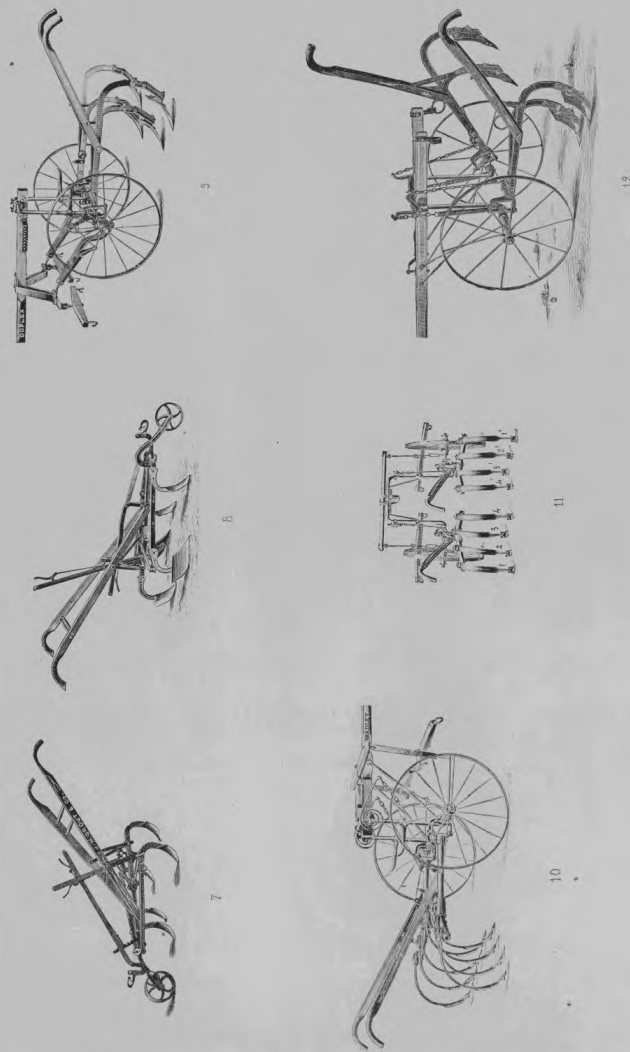
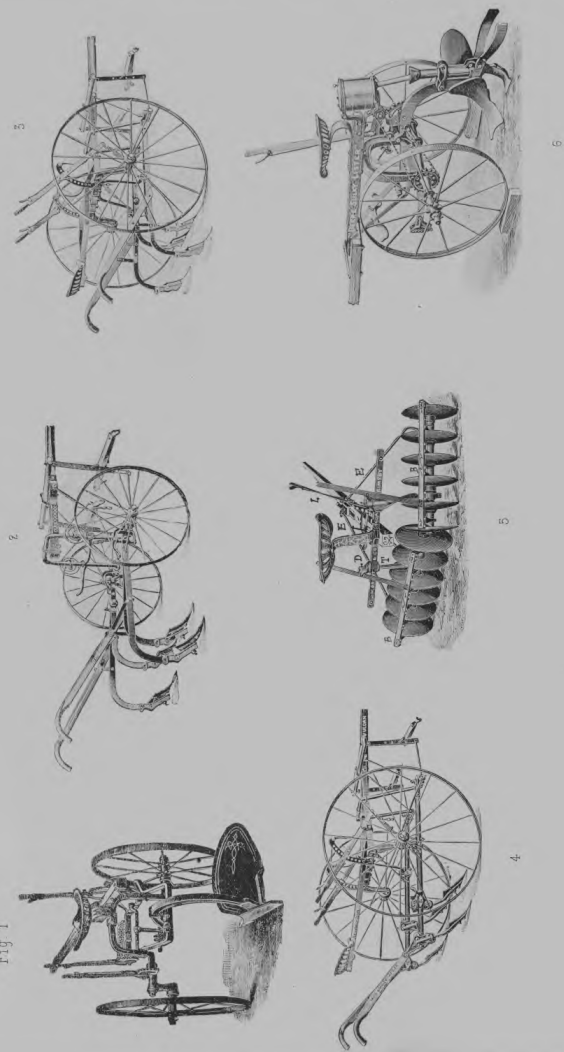


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Fig 1







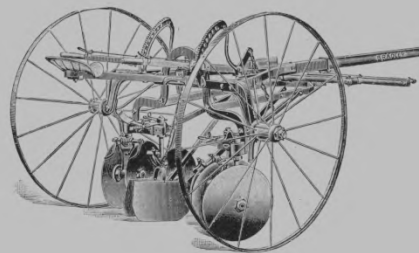
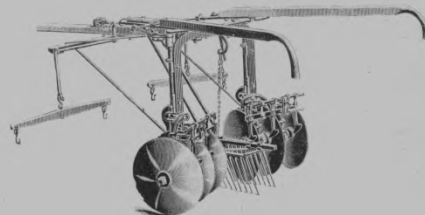
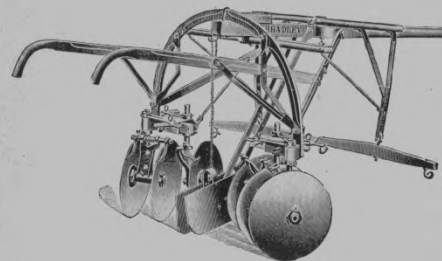


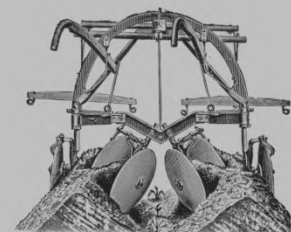
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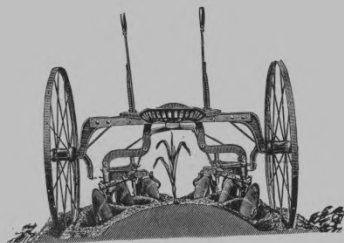
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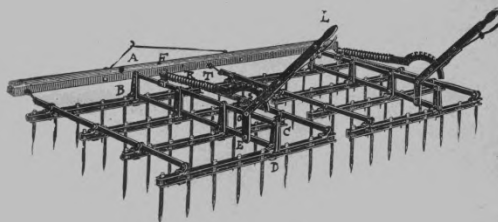
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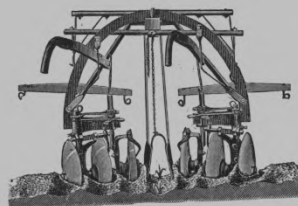
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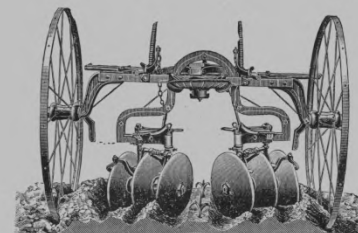
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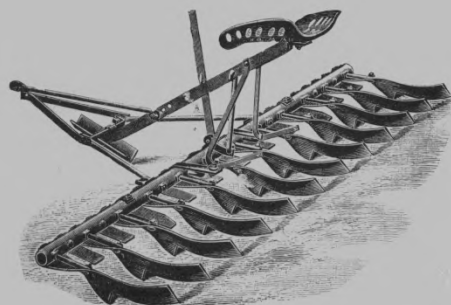
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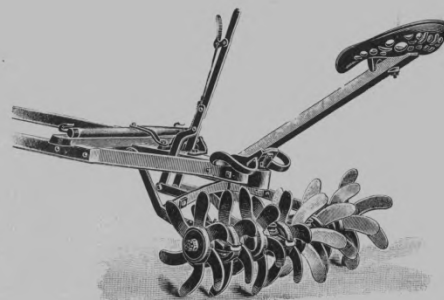
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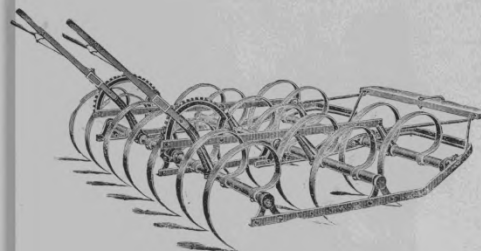
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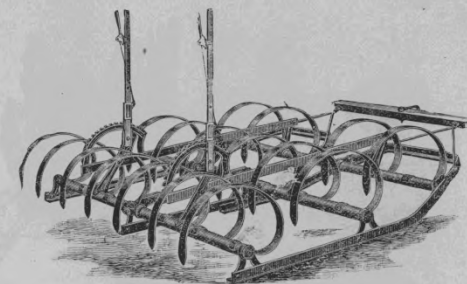
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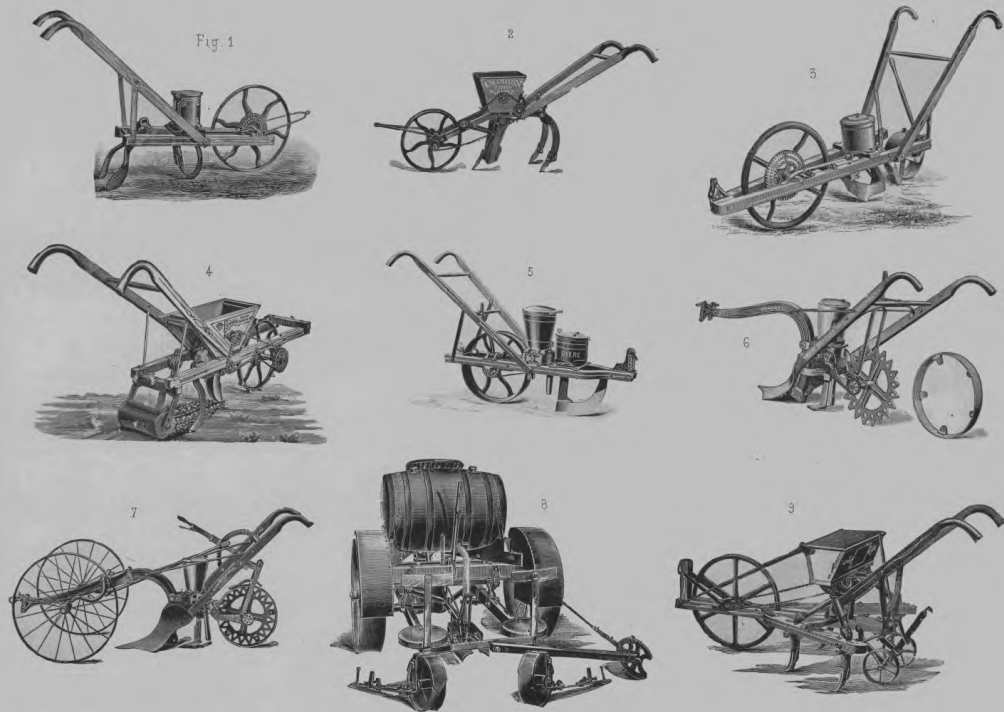


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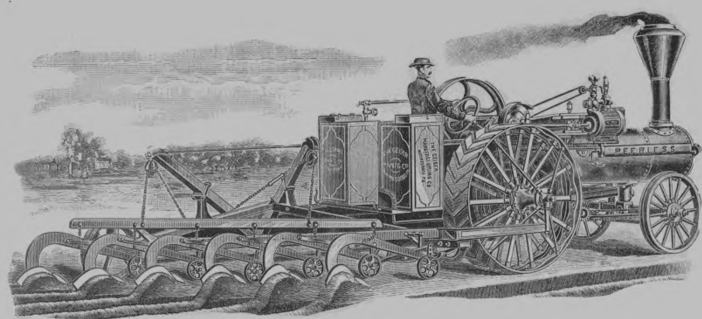
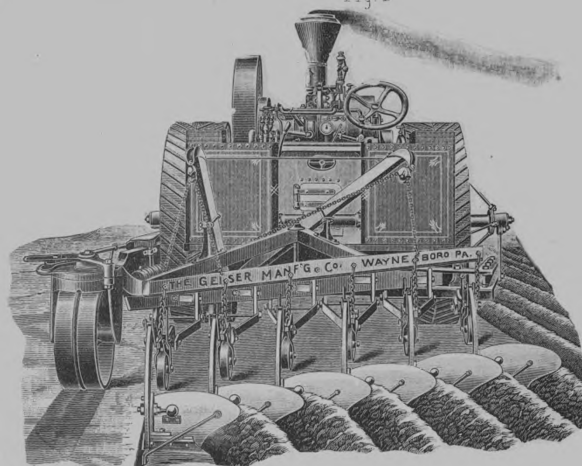
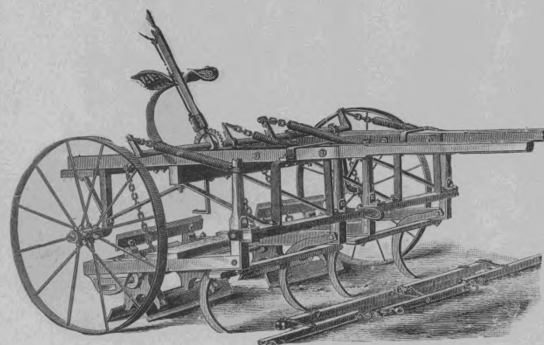


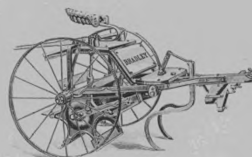
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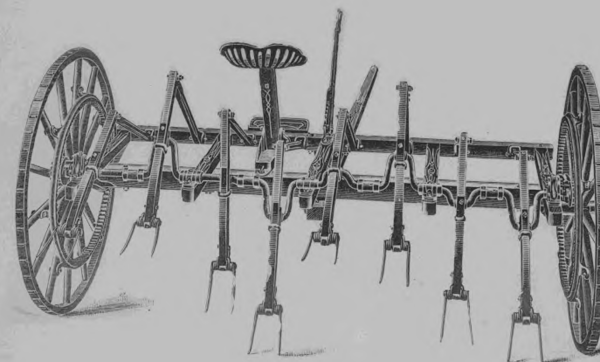
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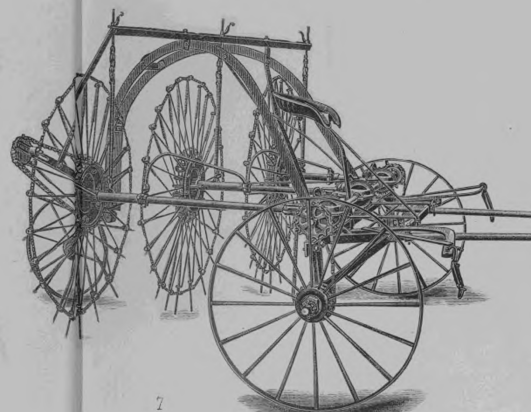
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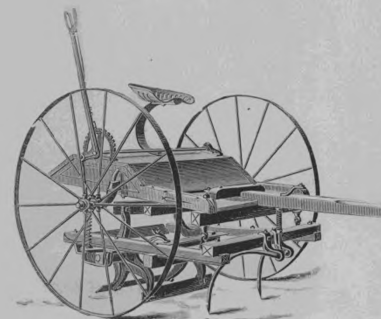
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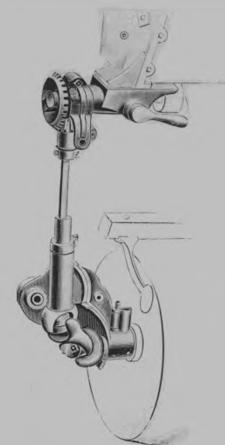
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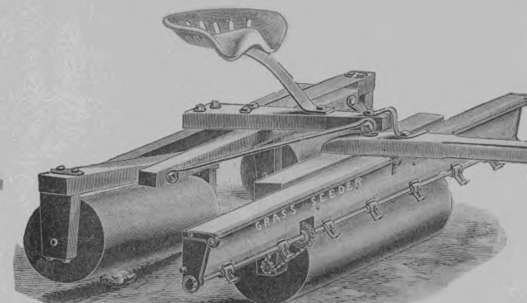
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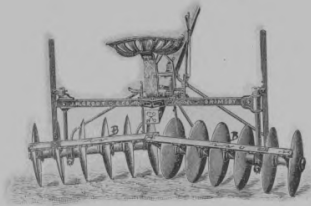
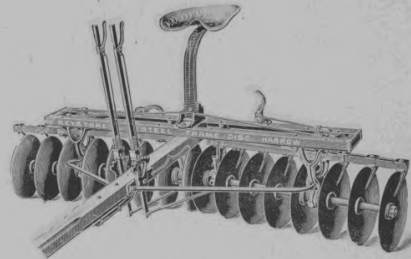
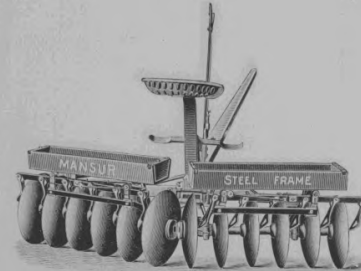


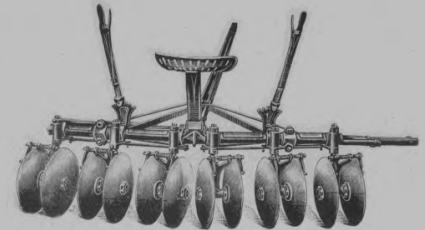
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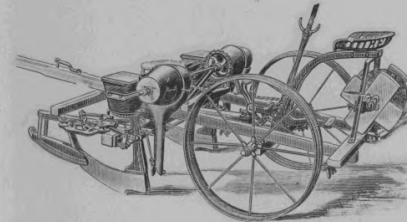
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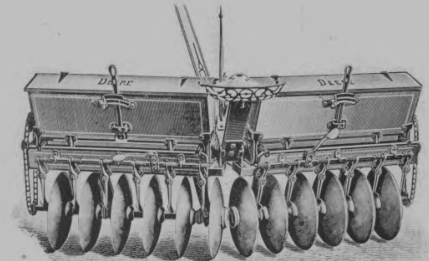
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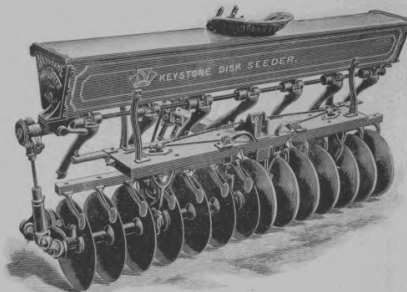
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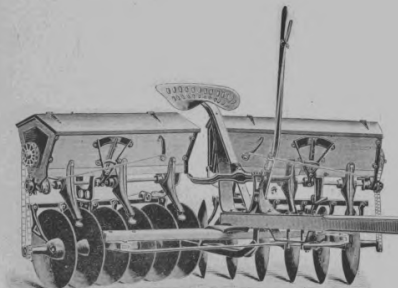
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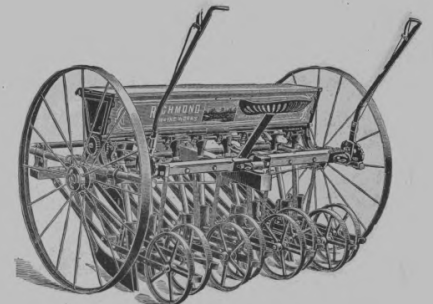
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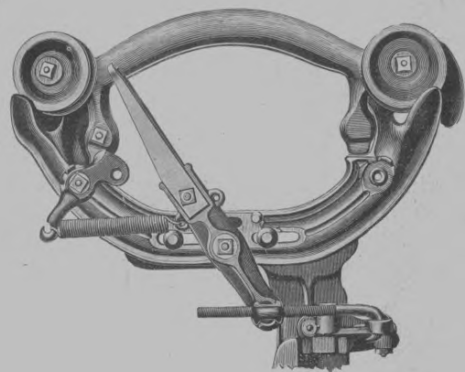
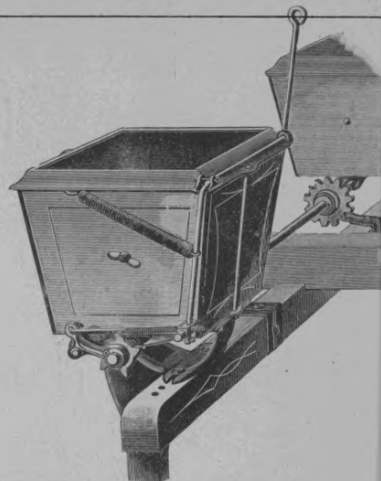
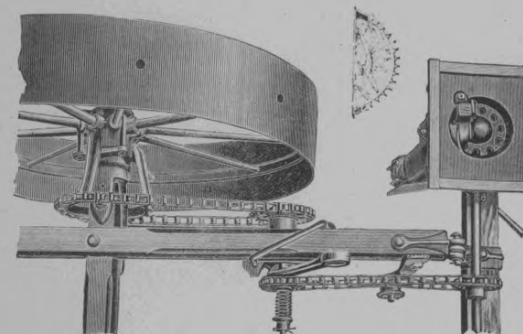


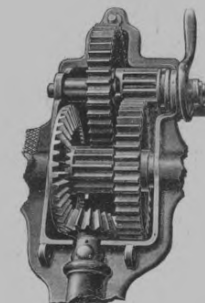
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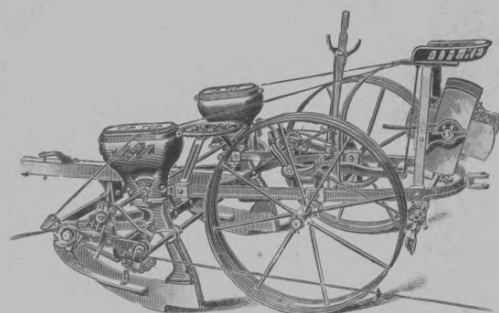
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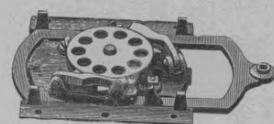
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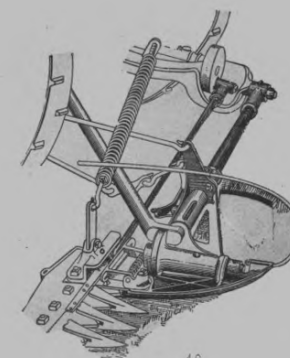
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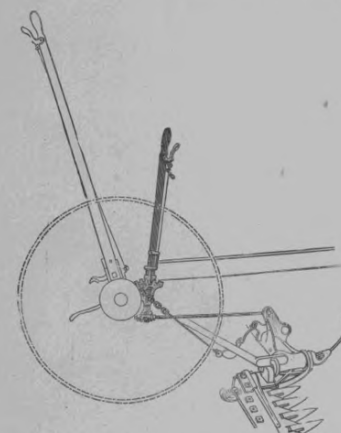
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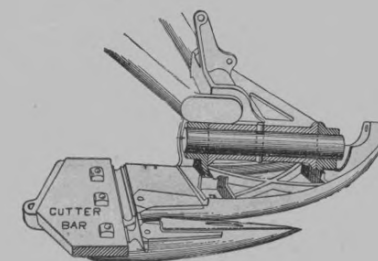
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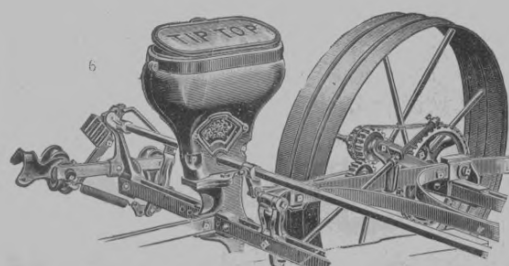
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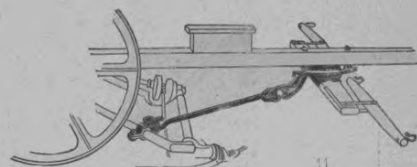
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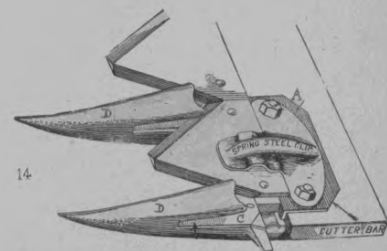
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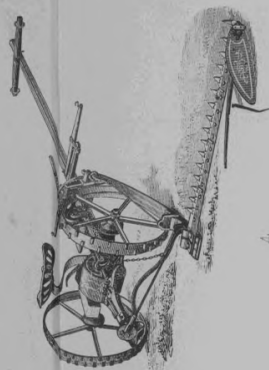
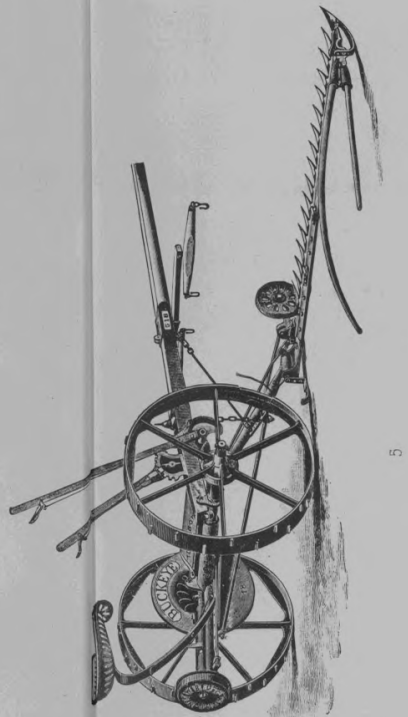
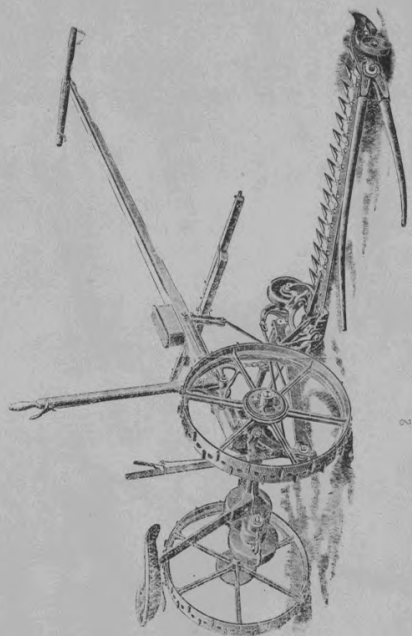
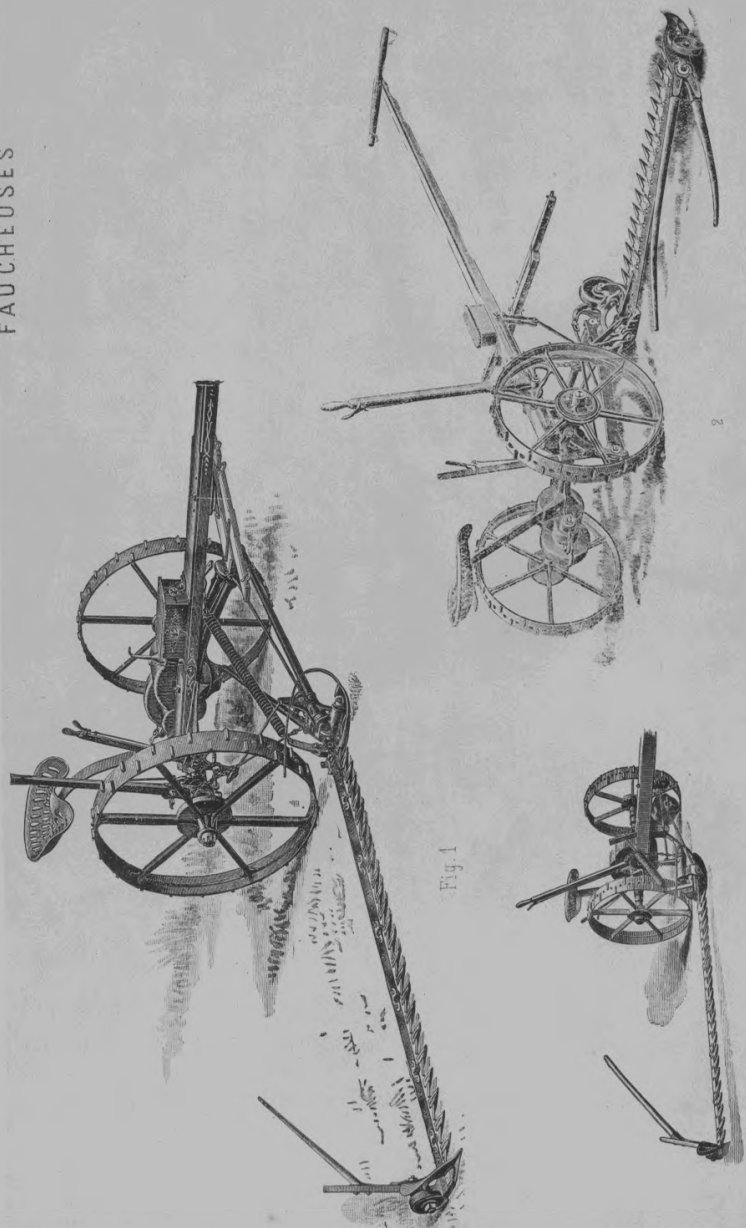


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FAUCHEUSES







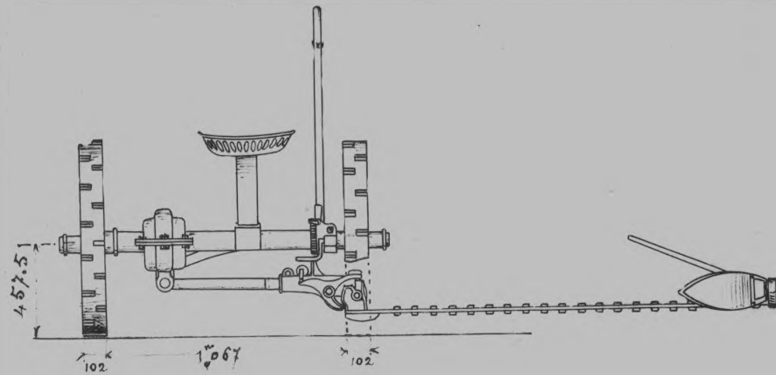
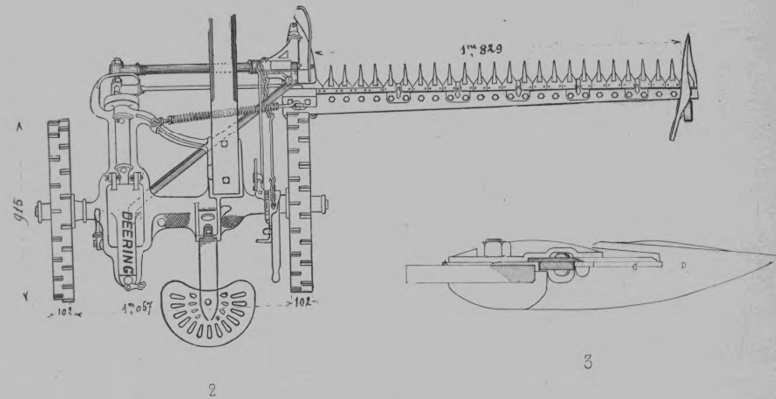
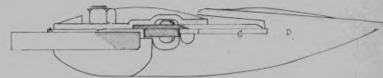


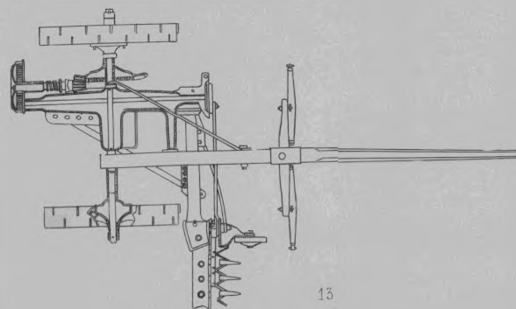
Fig. 1



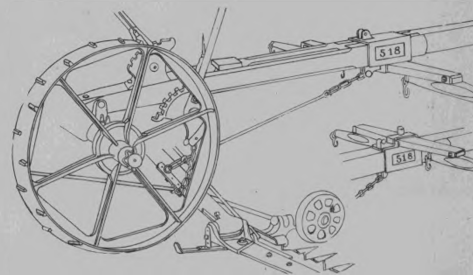
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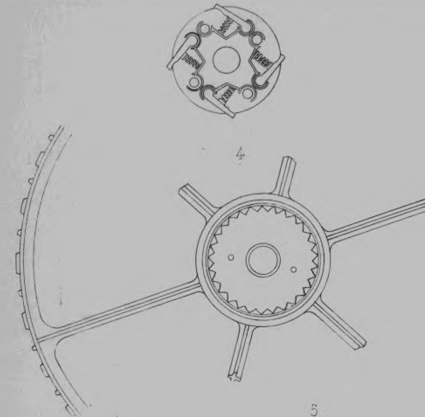
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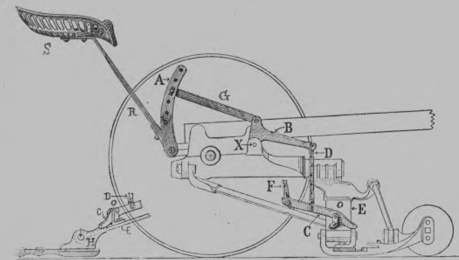
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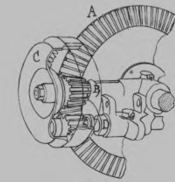
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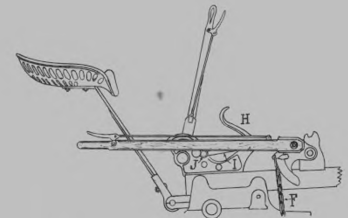
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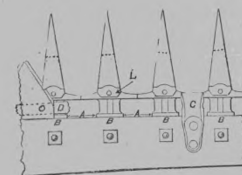
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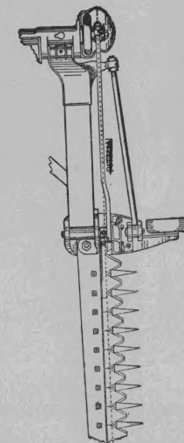
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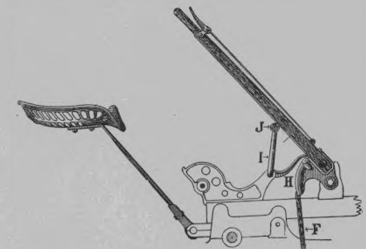
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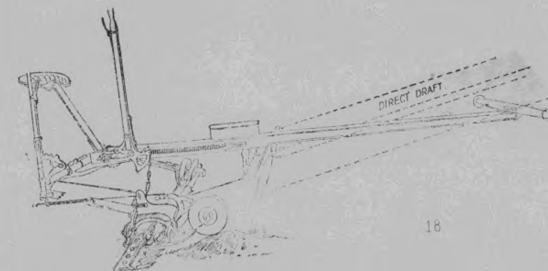
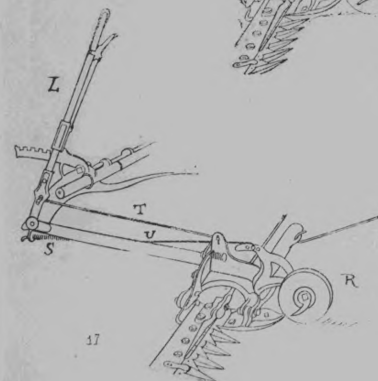
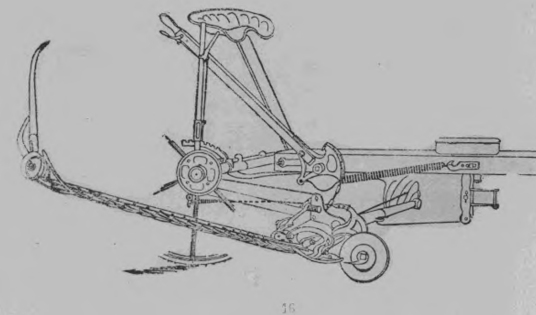
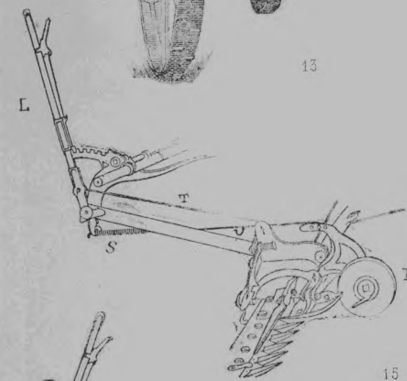
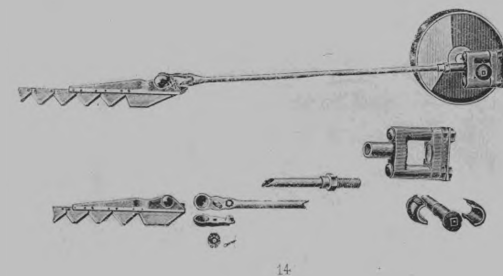
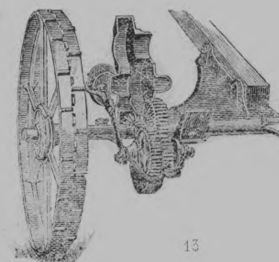
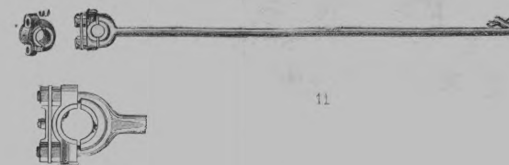
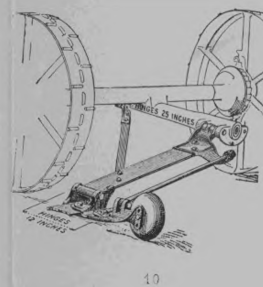
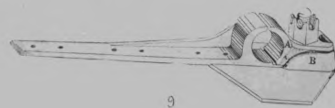
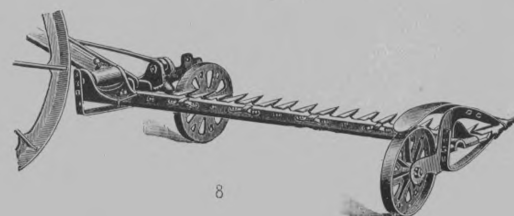
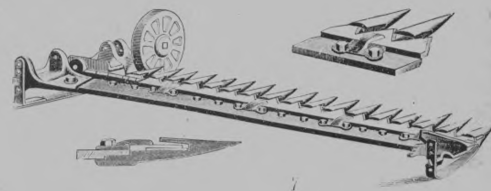
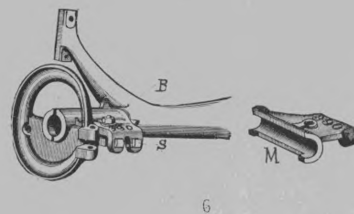
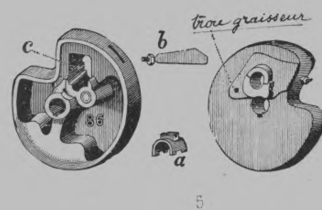
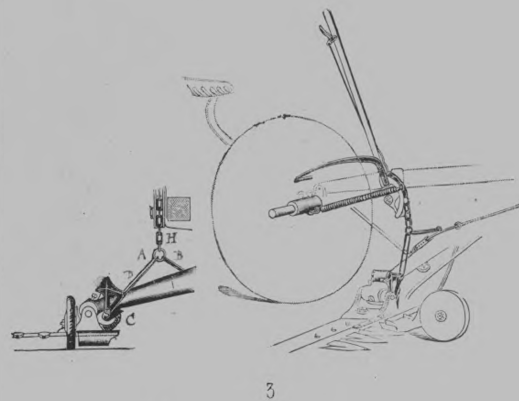
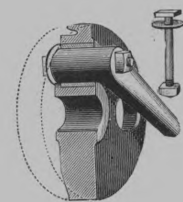
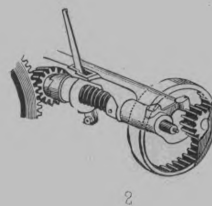
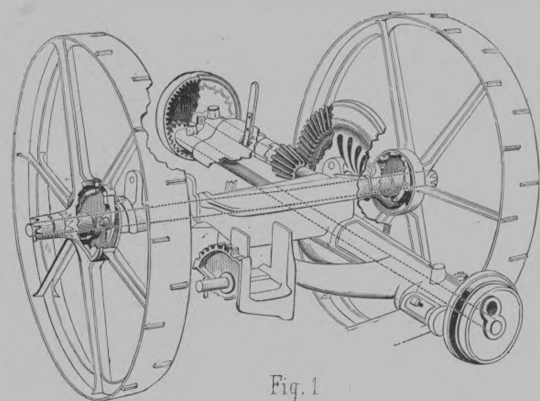
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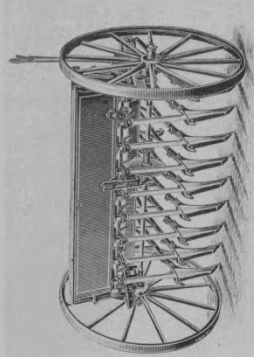
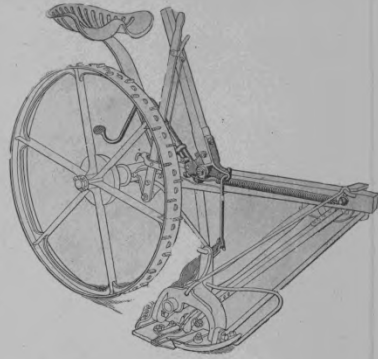
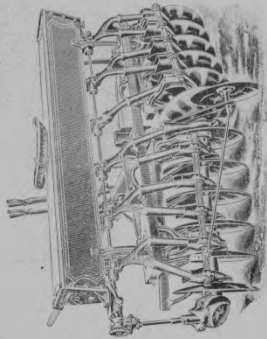


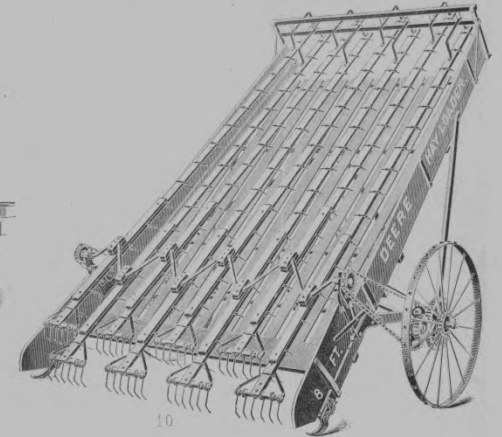
Fig. 1



4



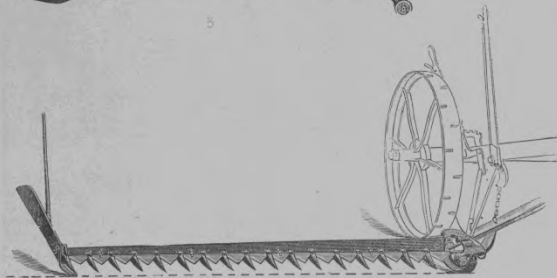
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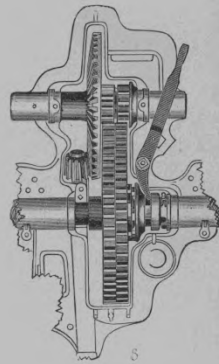
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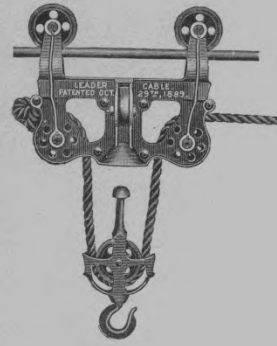
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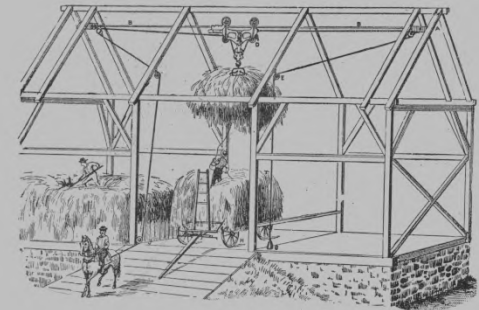
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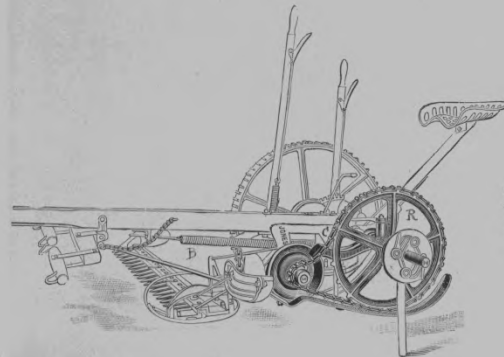
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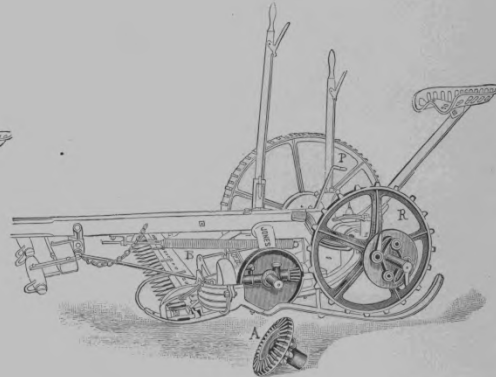
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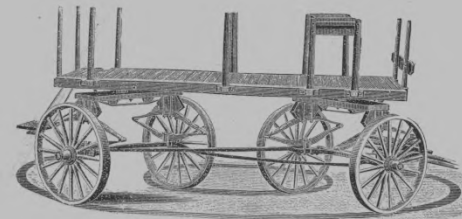
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MOISSONNEUSES-LIEUSES.

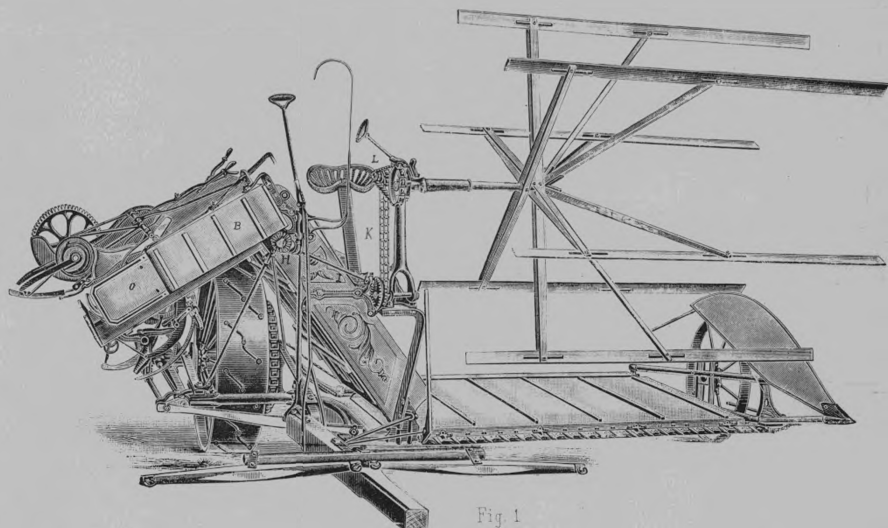
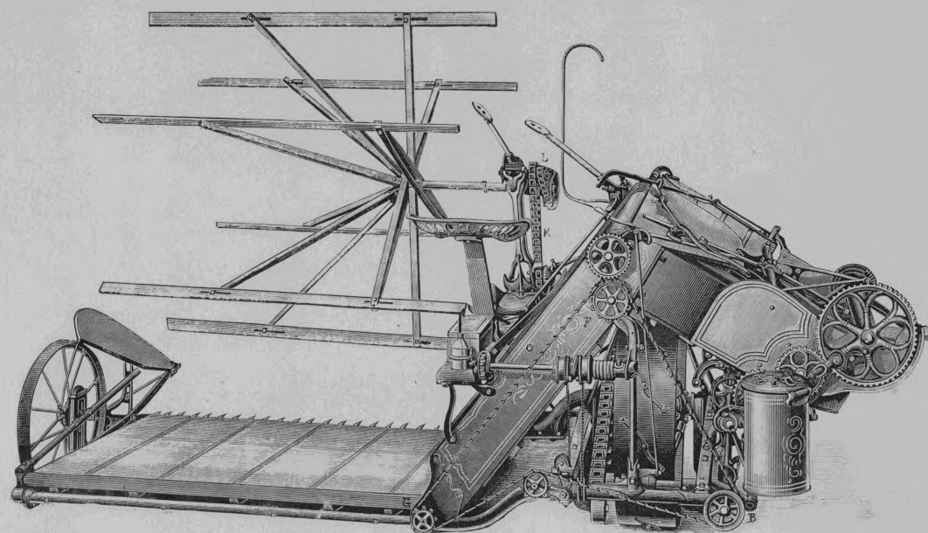
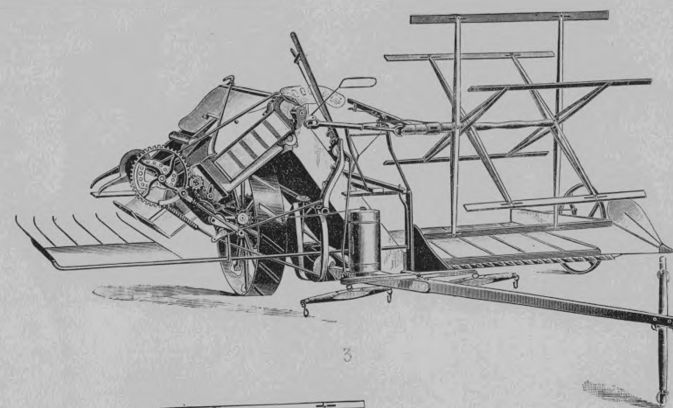


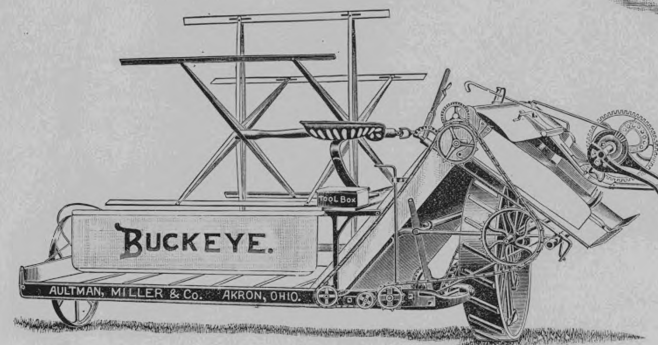
Fig. 1



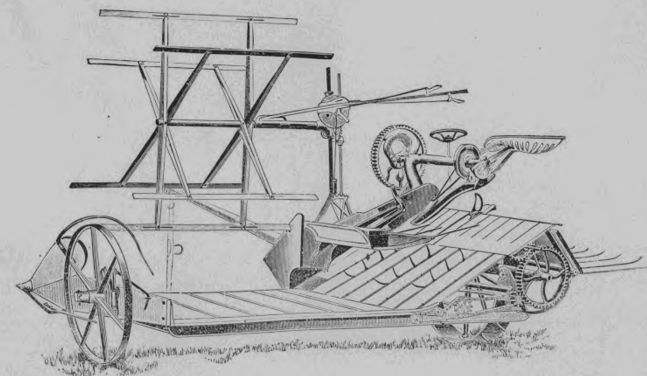
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MOISSONNEUSES-LIEUSES.

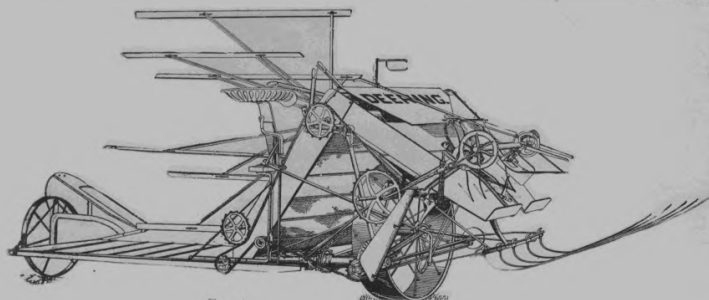
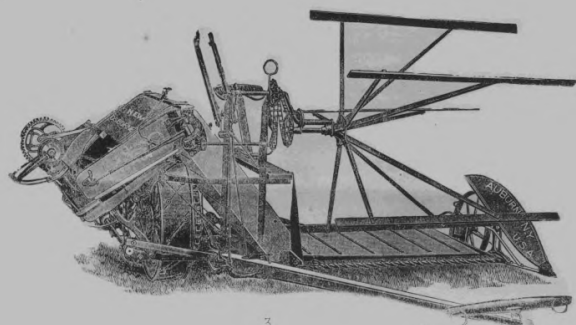
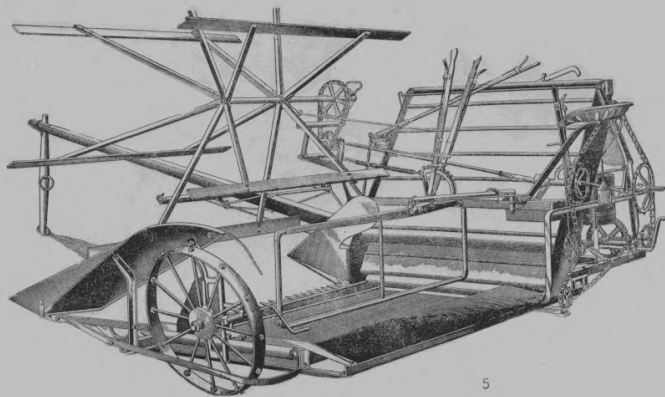


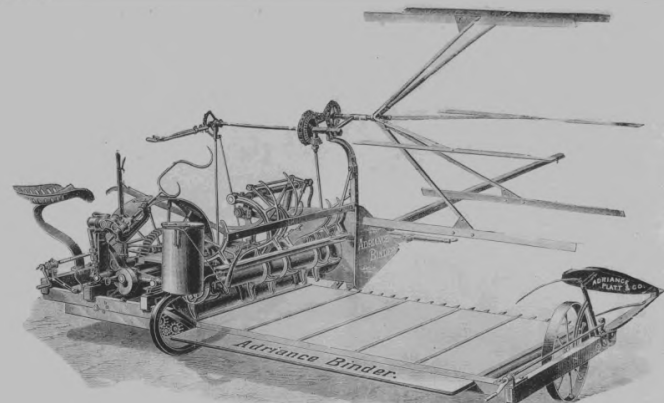
Fig 1



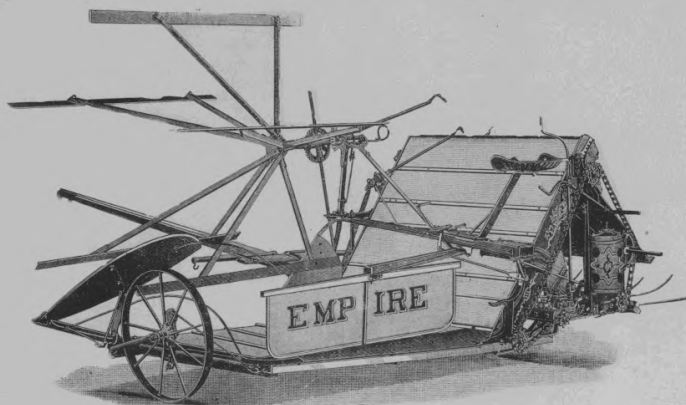
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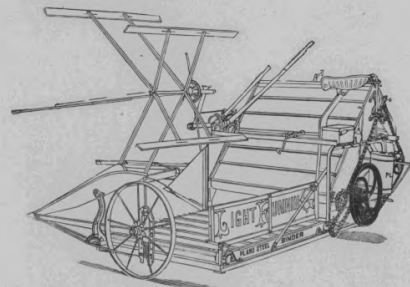
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## MOISSONNEUSES-LIEUSES.

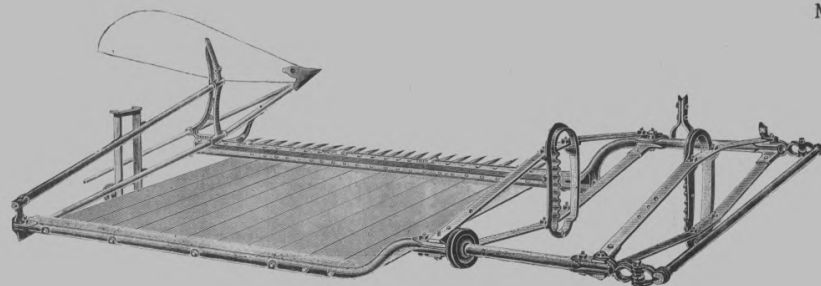
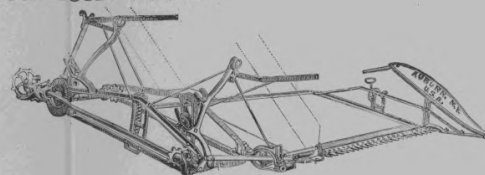
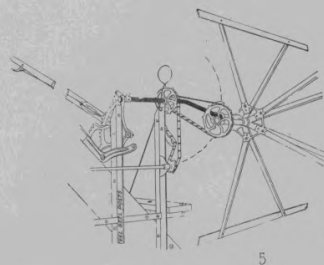
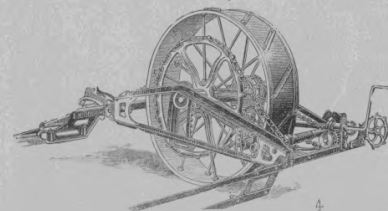
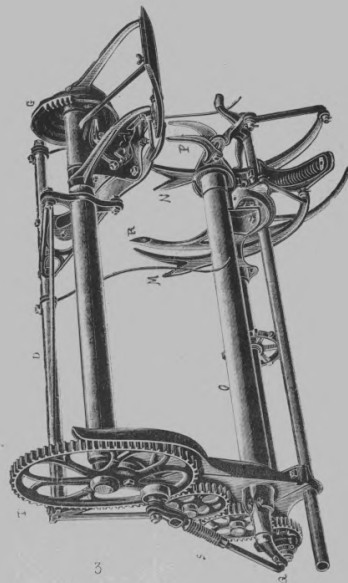
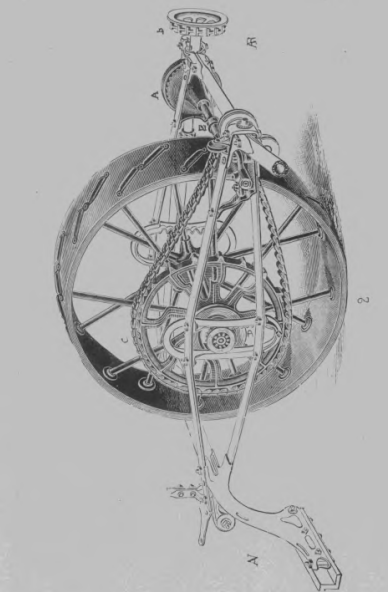
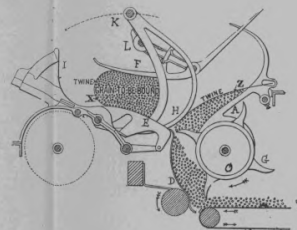


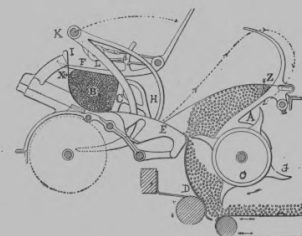
Fig 1



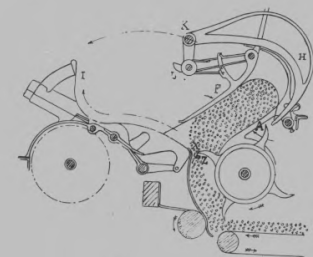
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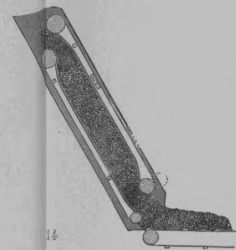
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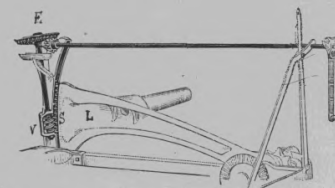
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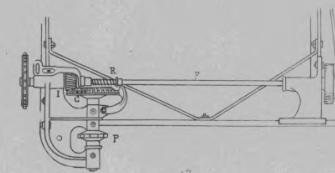
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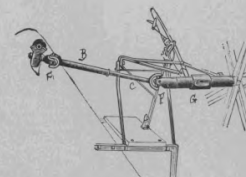
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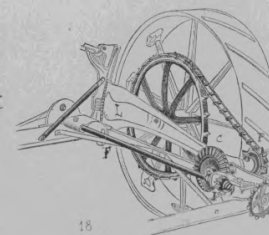
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16



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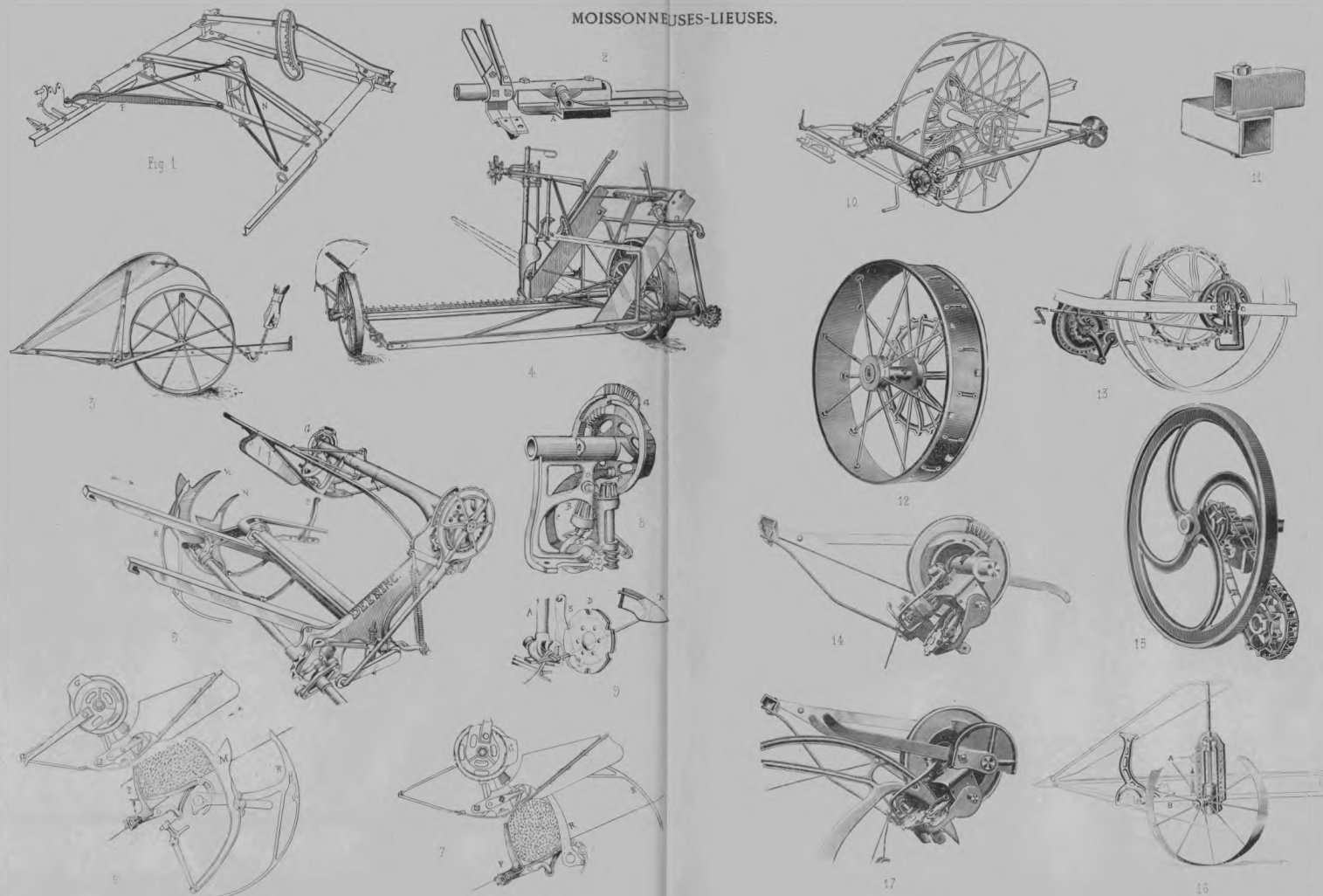


18





## MOISSONNEUSES-LIEUSES.







## MOISSONNEUSES-LIEUSES.

ÉLÉVATEURS DE GRAINS — BATTEUSES

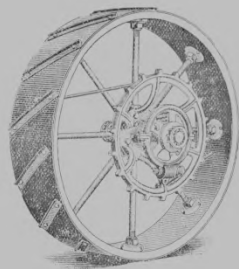
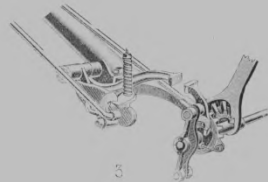


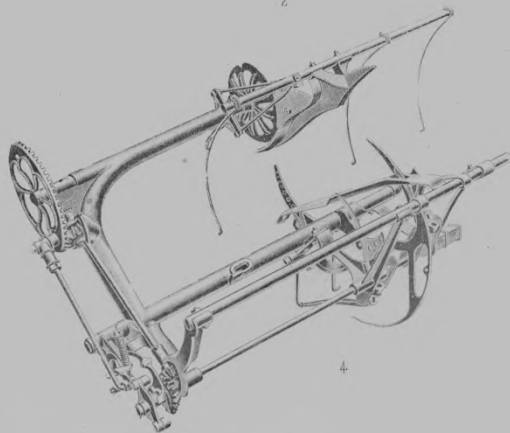
Fig. 1



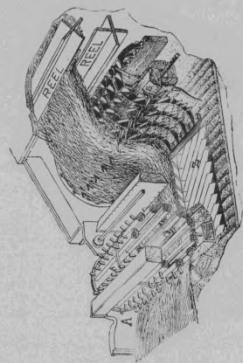
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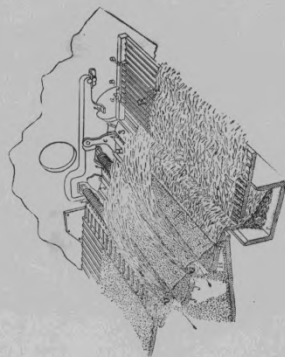
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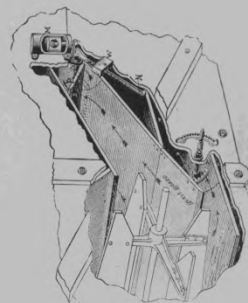
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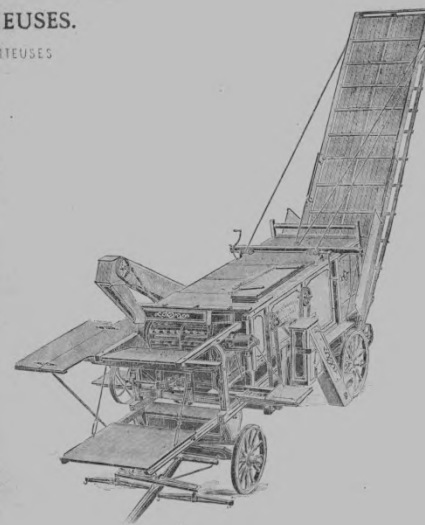
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6



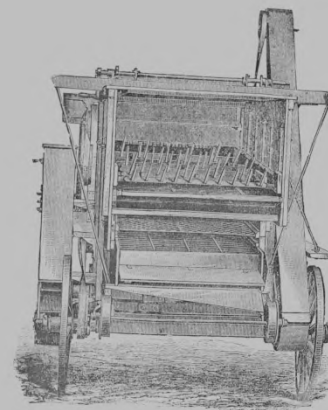
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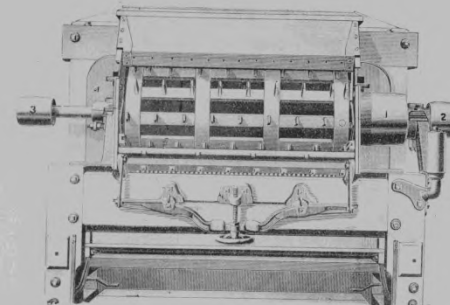
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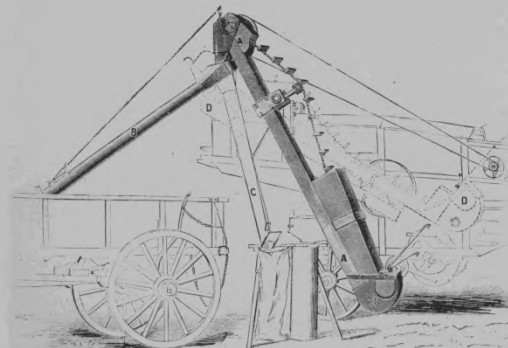
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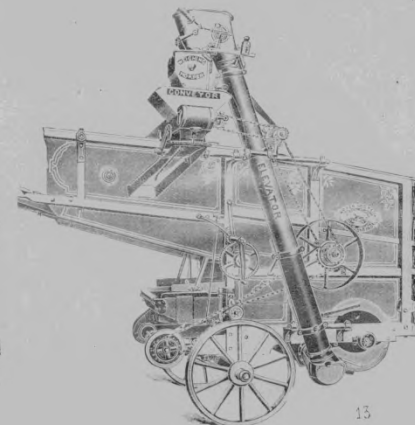
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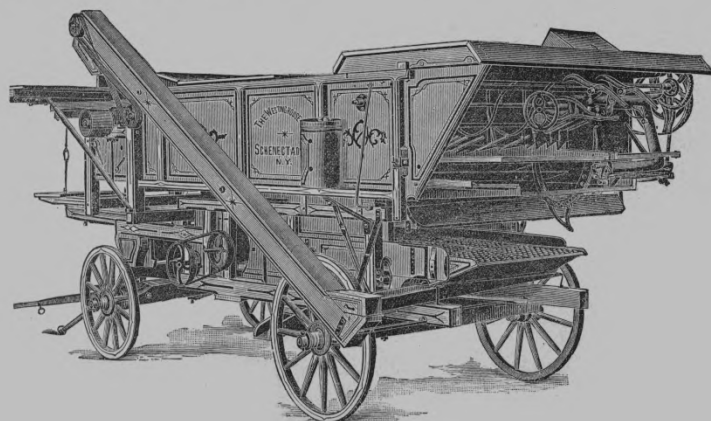
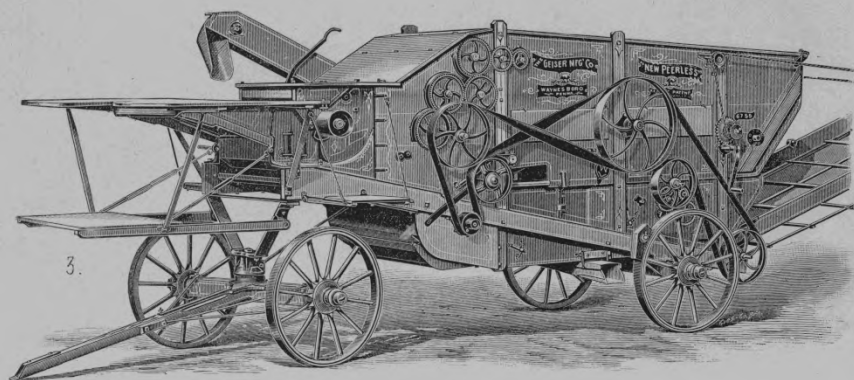
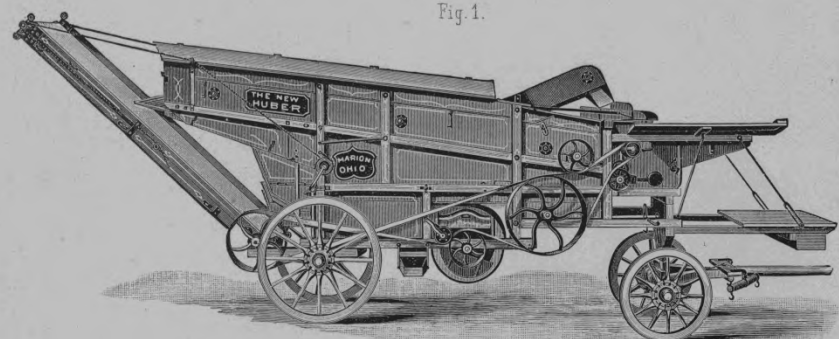
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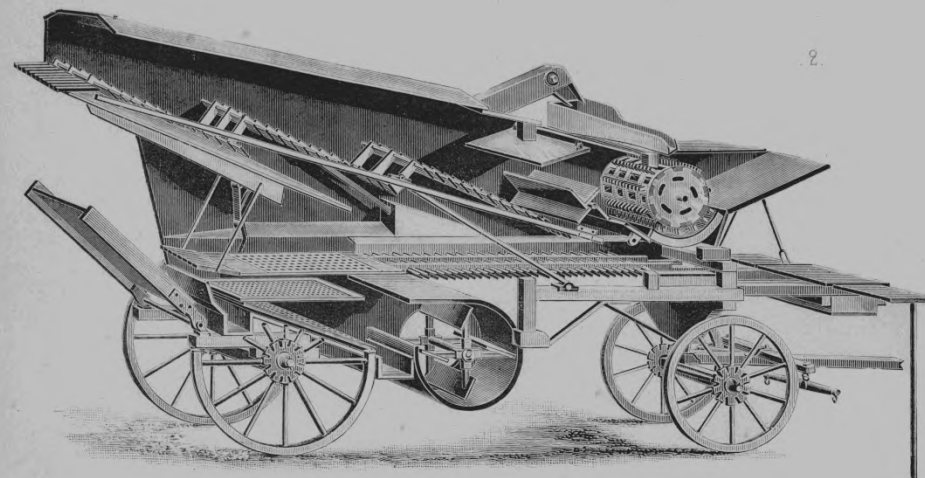
BATTEUSES

Fig. 1.

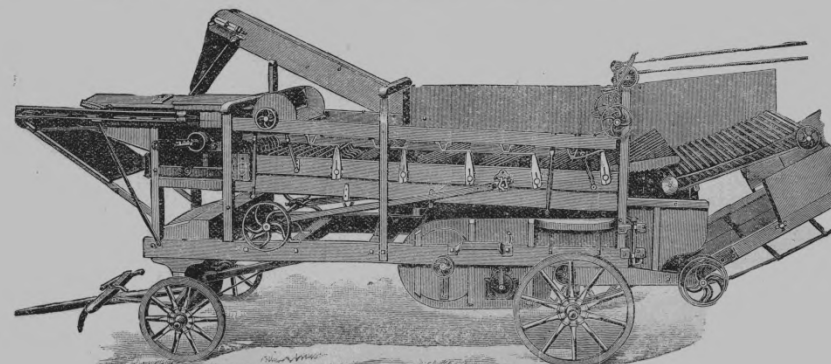


5.

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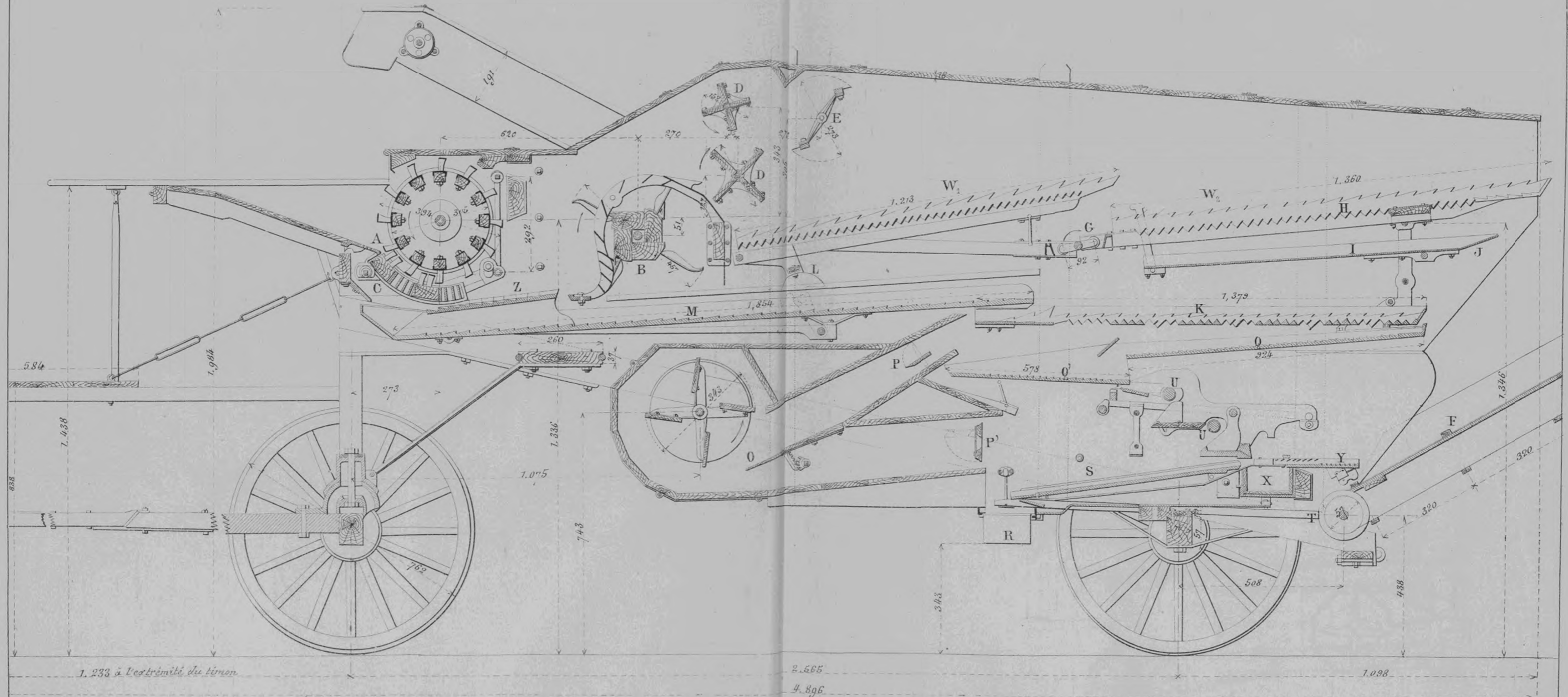




## BATTEUSE DE LA GEISER MANUF'G CO - WAYNESBORO PA.....

Coupe longitudinale

Echelle 1/10



A Batteur  
C Contrebattre  
B Cylindre à dents  
DD Rabatteurs  
E Rabatteur à dent  
F Elevateur à paille  
G Manivelles

IJ Bielles des secoueurs  
K Nettoyeur  
M Tablier à dents de scies  
O Deflecteur mobile  
P Valve du ventilateur  
P' d' d'  
Q Q' Tablier à dents de scies

R Sortie du grain  
UU Rouleaux nettoyeurs  
W, W' Secoueurs à lames persiennes  
X Sortie des déchets  
Y Crible à déchets  
Z Tablier à stries diagonales



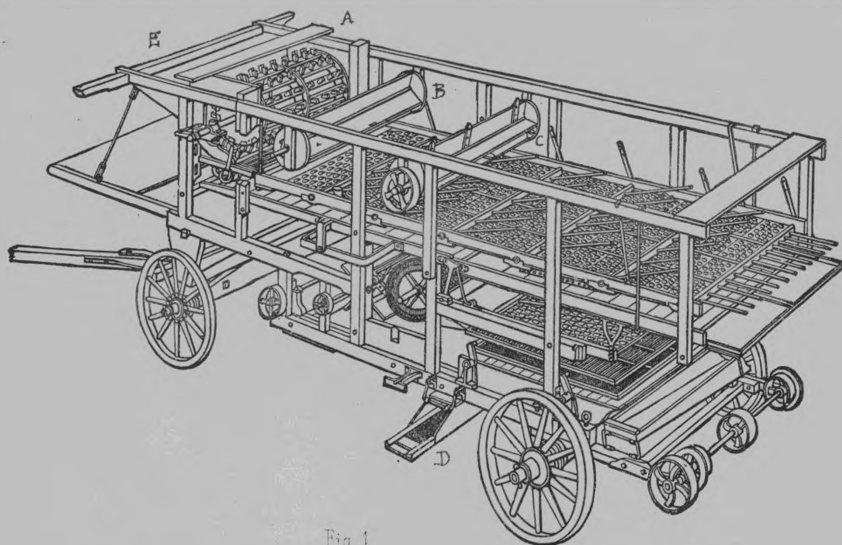
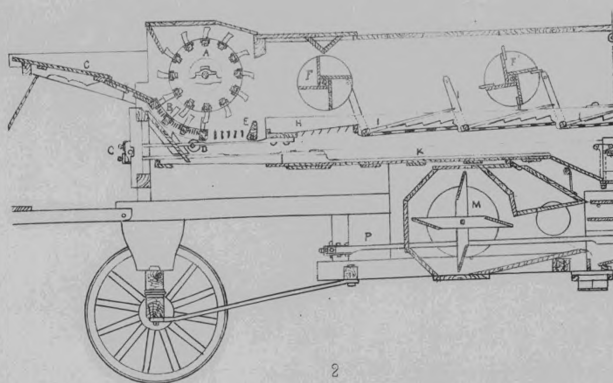


Fig. 1



2





BATTEUSES

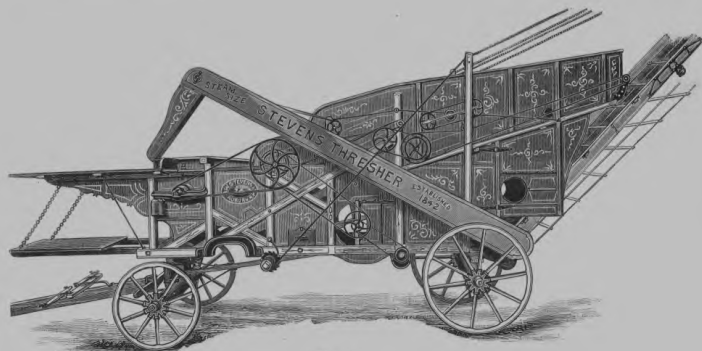
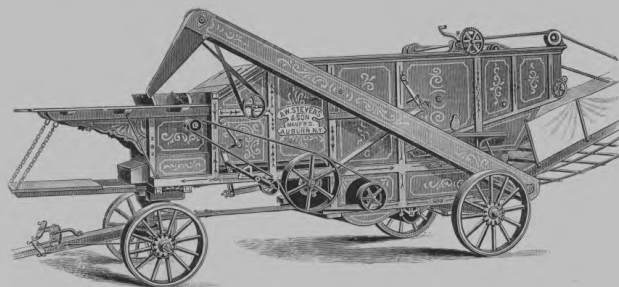


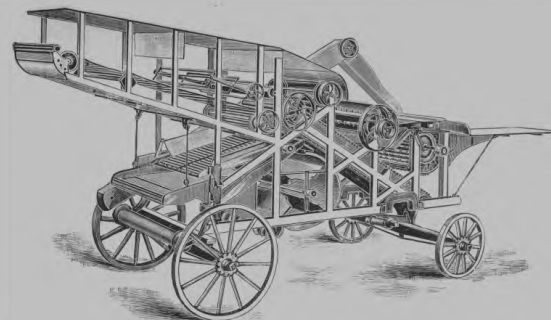
Fig. 1



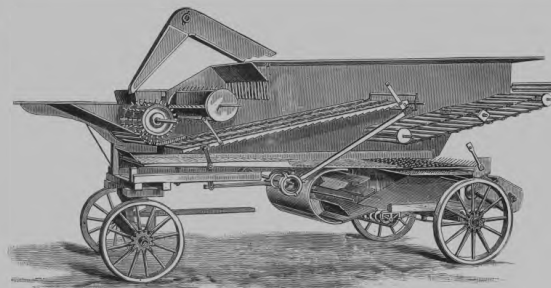
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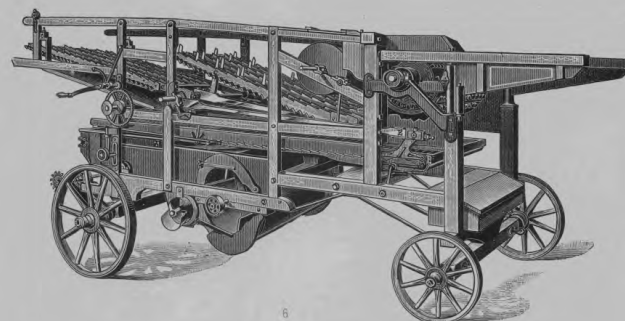
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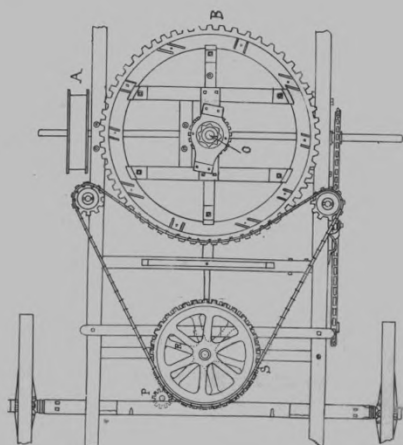
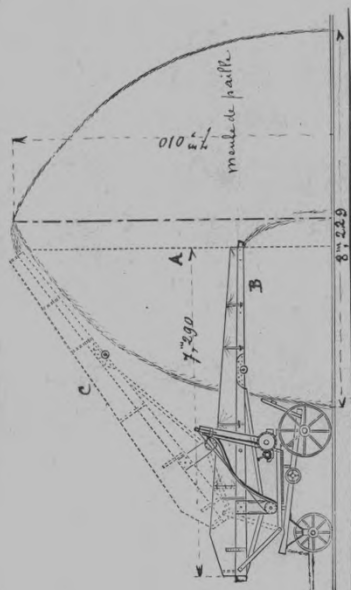
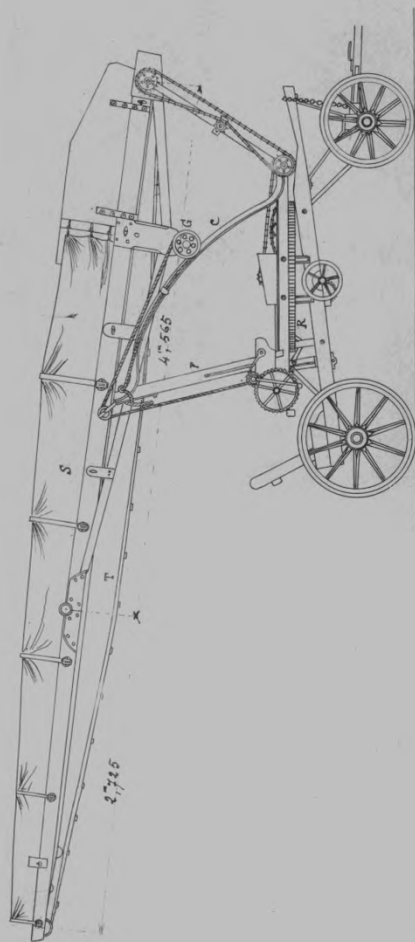


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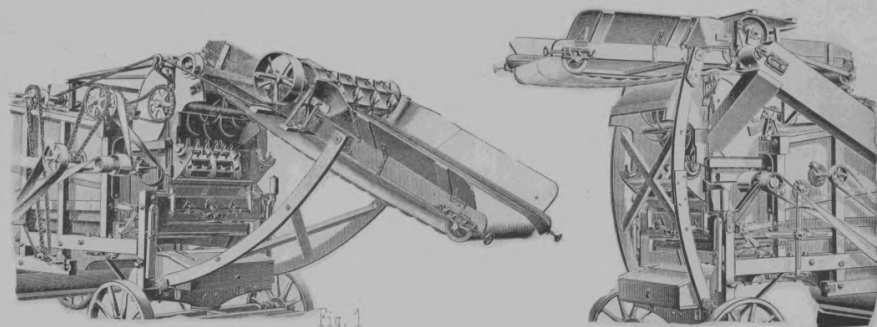
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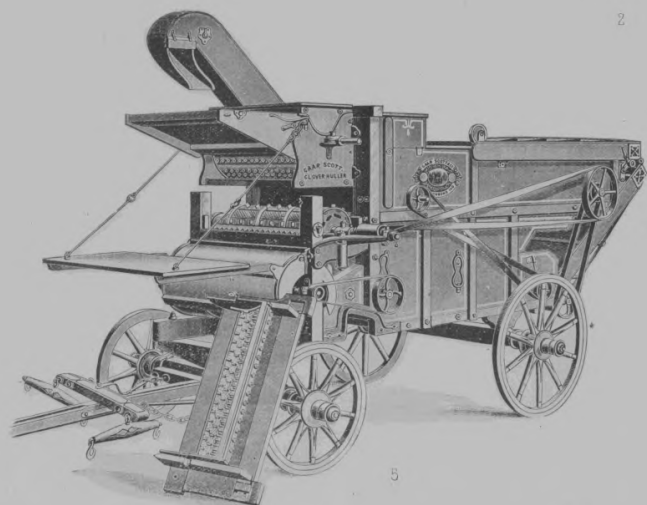








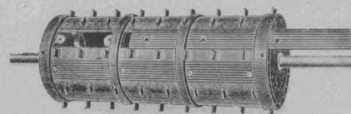
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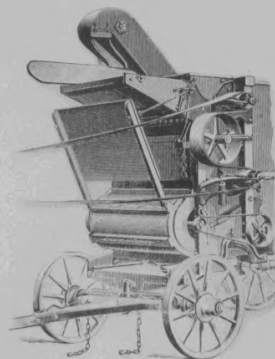
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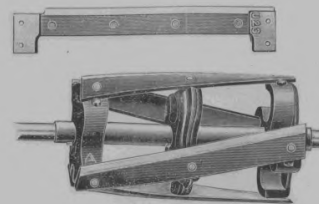
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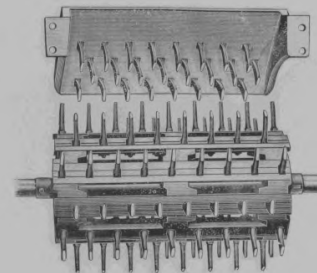
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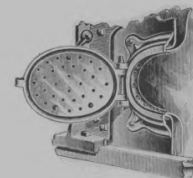
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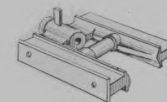
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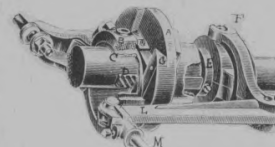
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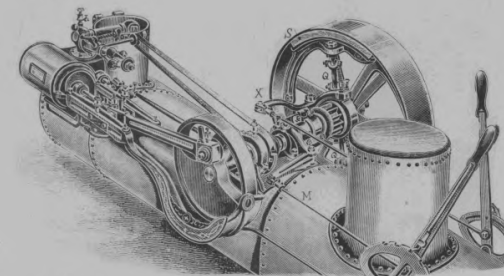
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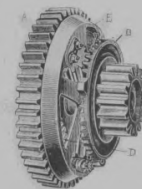
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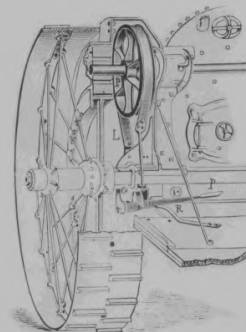
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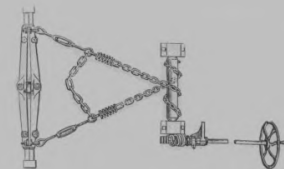
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14



15



16



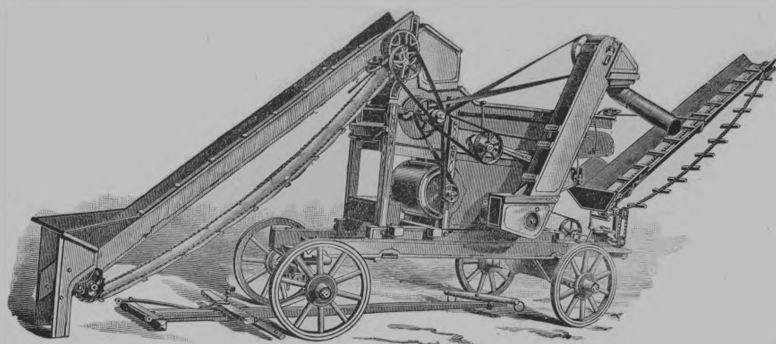
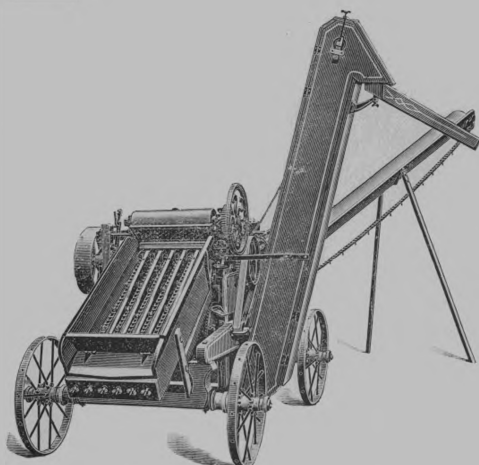


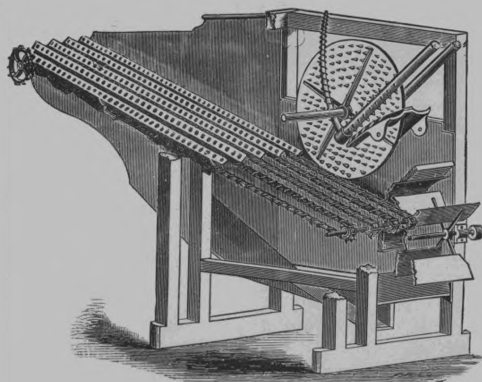
Fig. 1



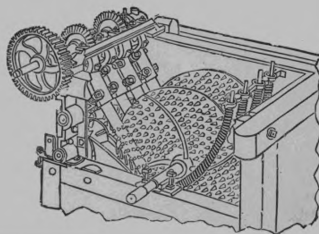
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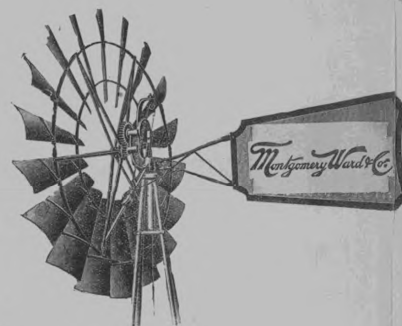
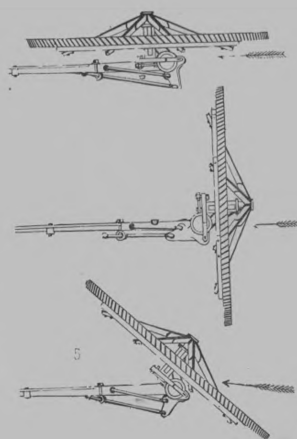




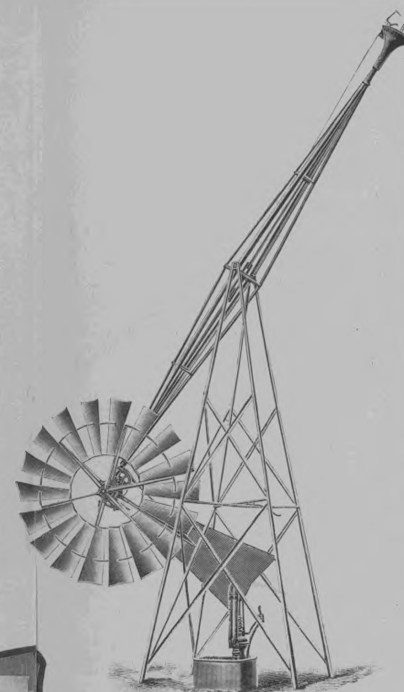
Fig. 1



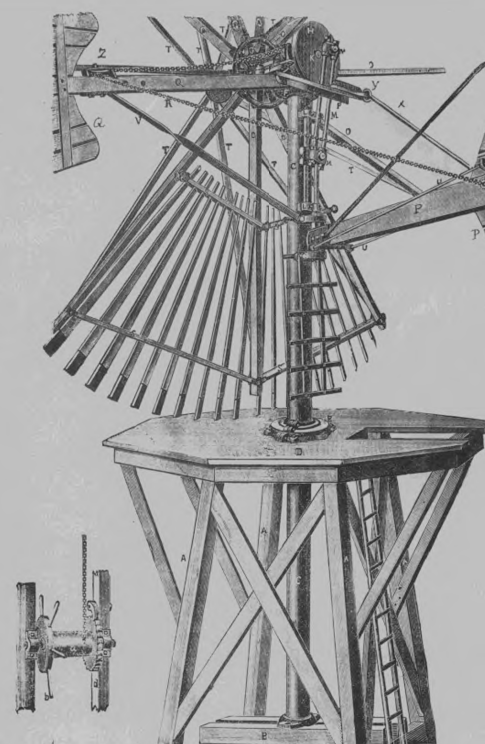
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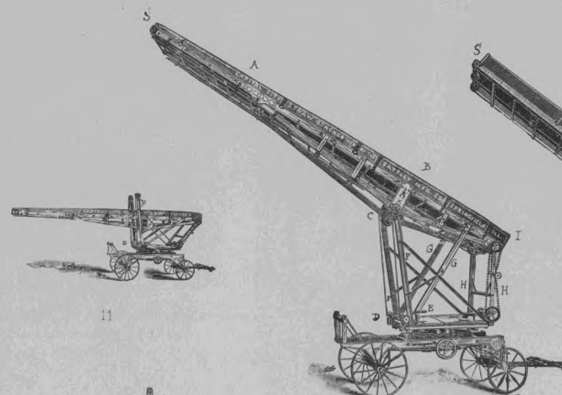
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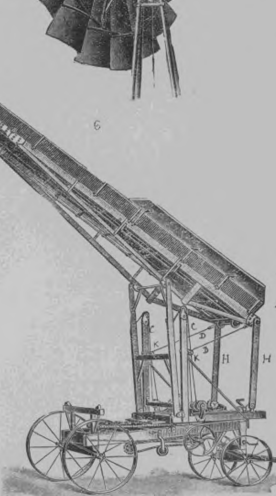
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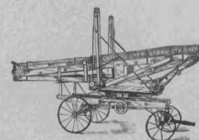
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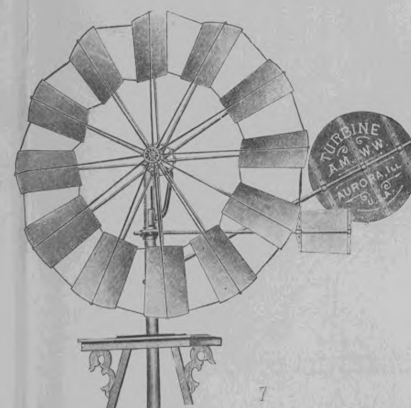
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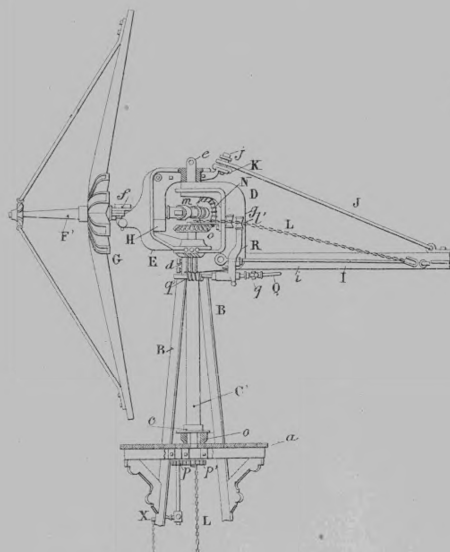
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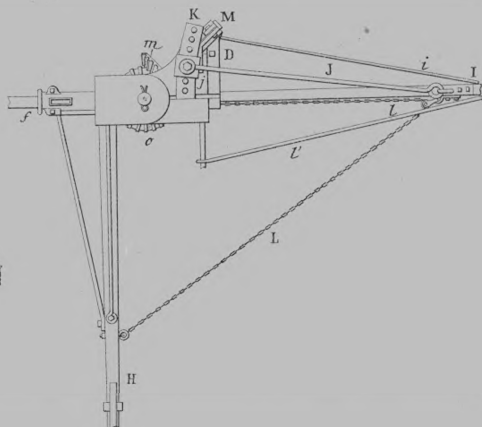
# LES MOULINS A VENT A L'EXPOSITION COLOMBIENNE .

Type des Ateliers Well Works . Aurora . Illinois .

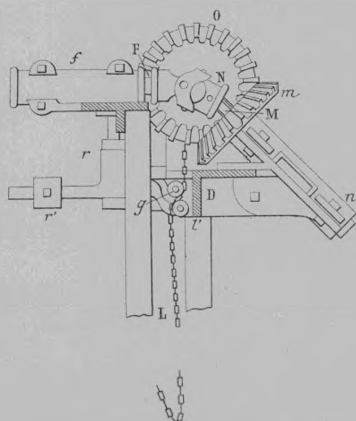
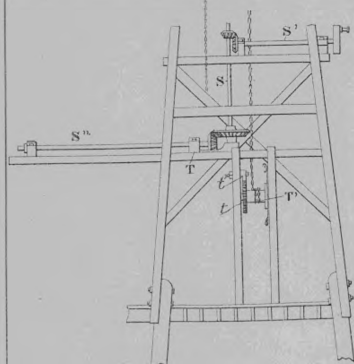
Elévation.



Vue en Plan



Détail de la transmission







LOCOMOTIVES ROUTIÈRES

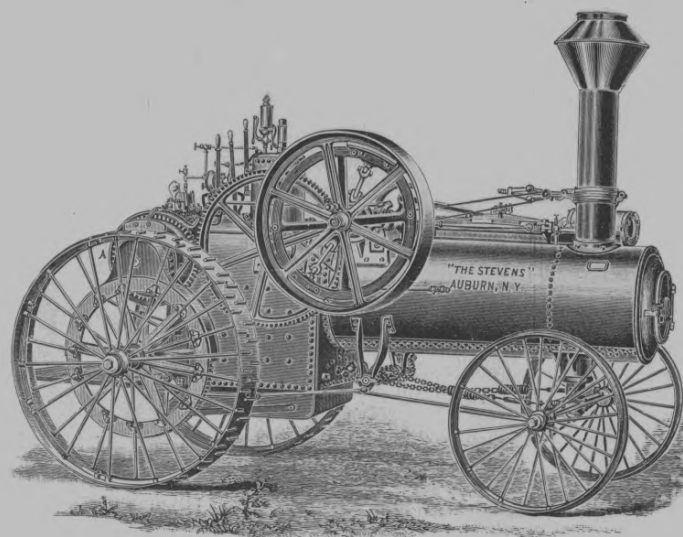
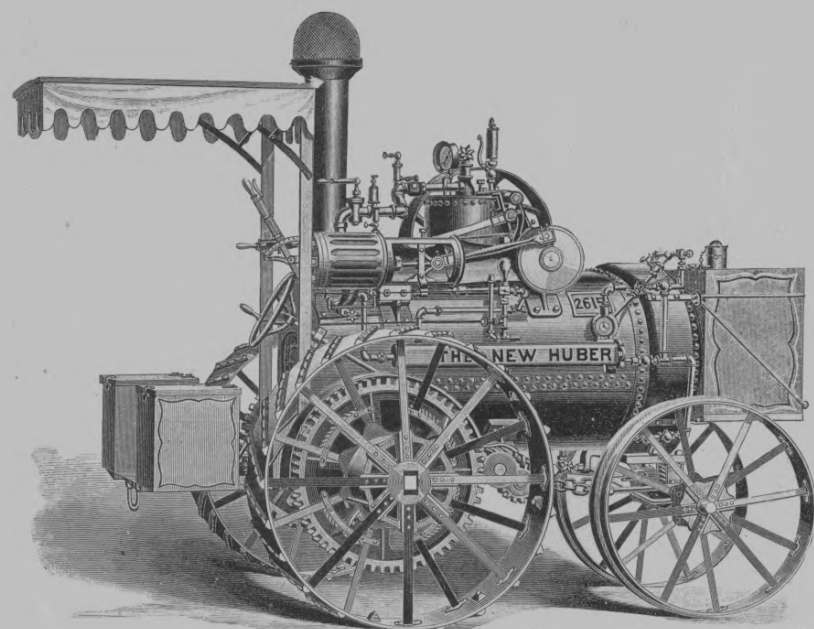
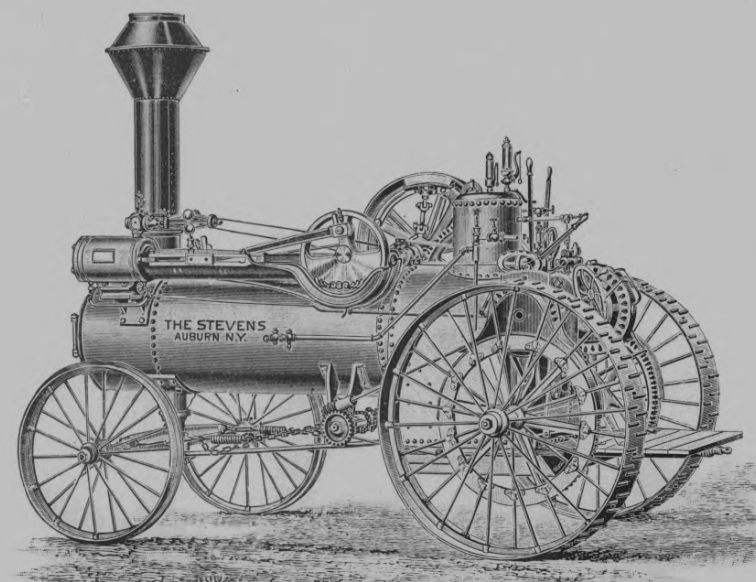
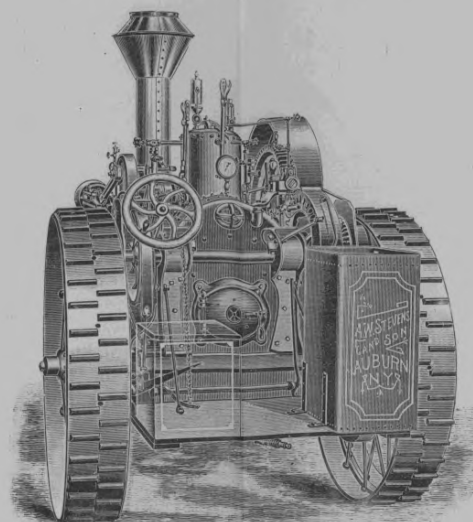
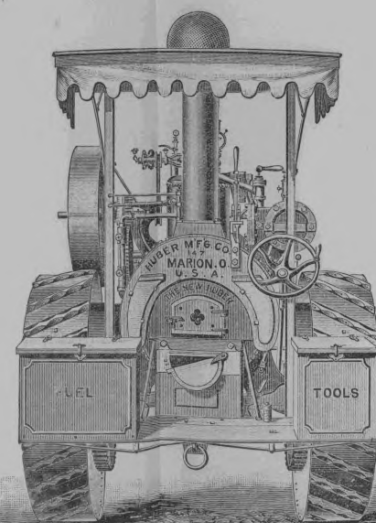


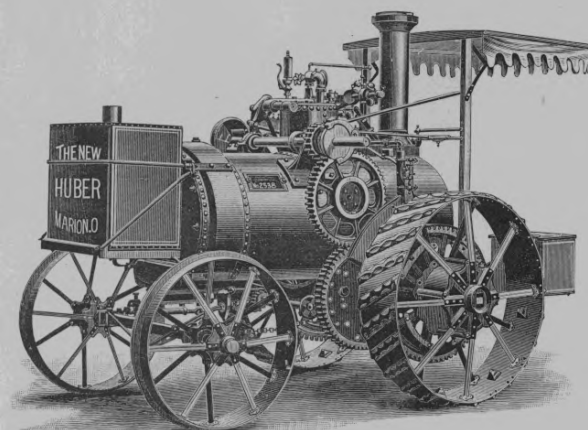
Fig 1



4



5



6





LOCOMOTIVES ROUTIÈRES

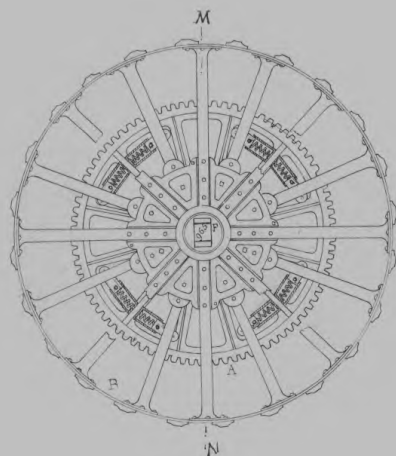
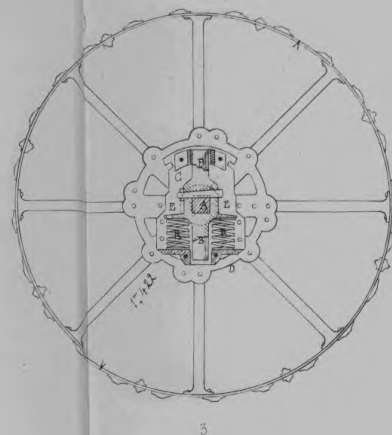
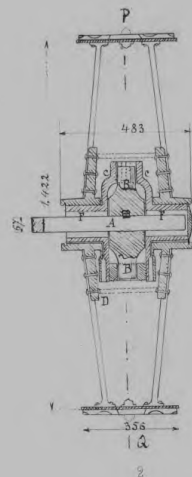
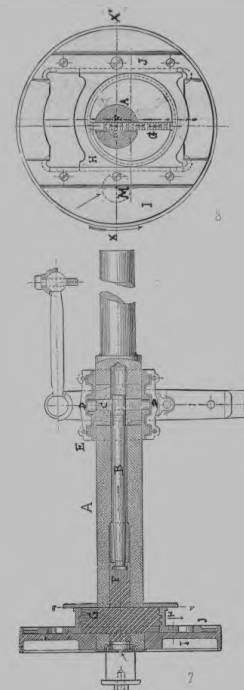


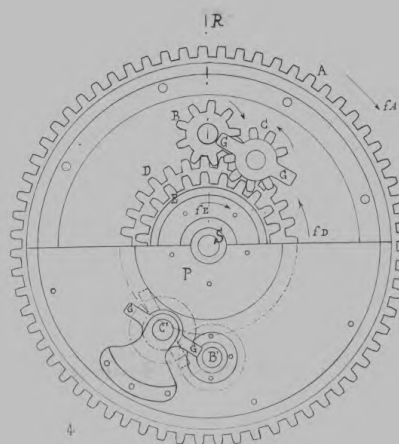
Fig. 1



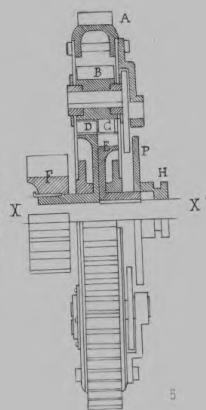
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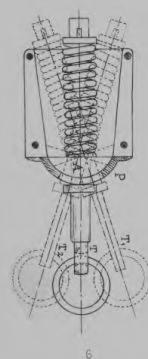
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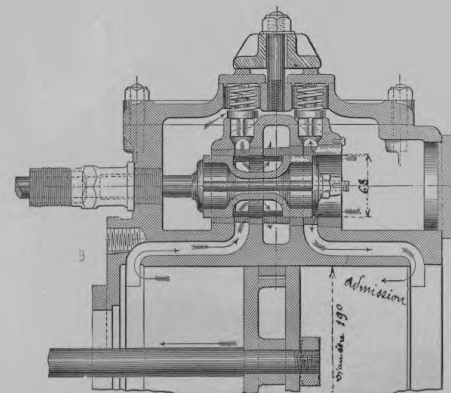
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5



6



Admission  
50 mm  
190





LOCOMOTIVES ROUTIÈRES

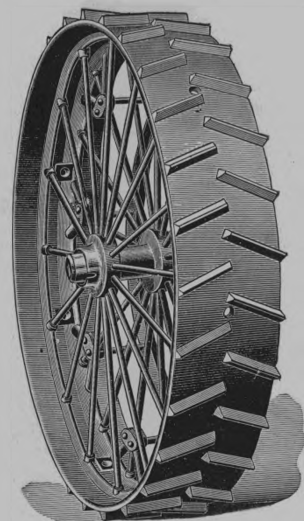
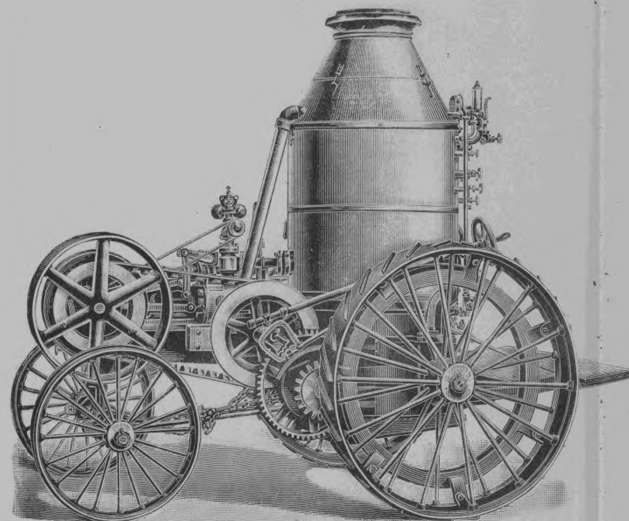
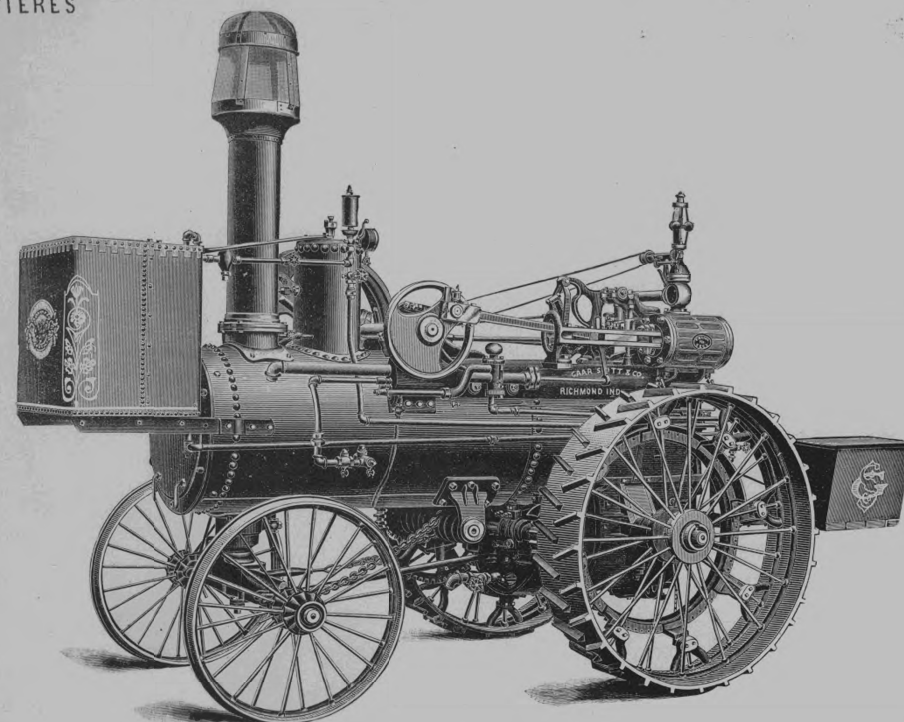


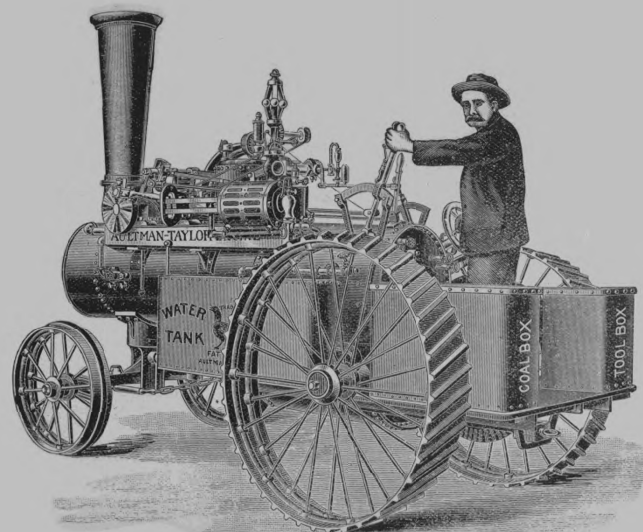
Fig. 1



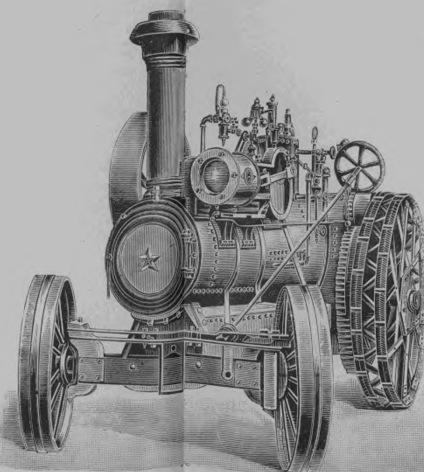
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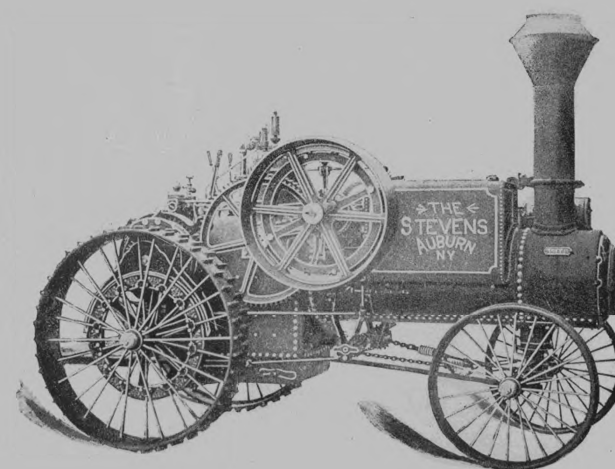
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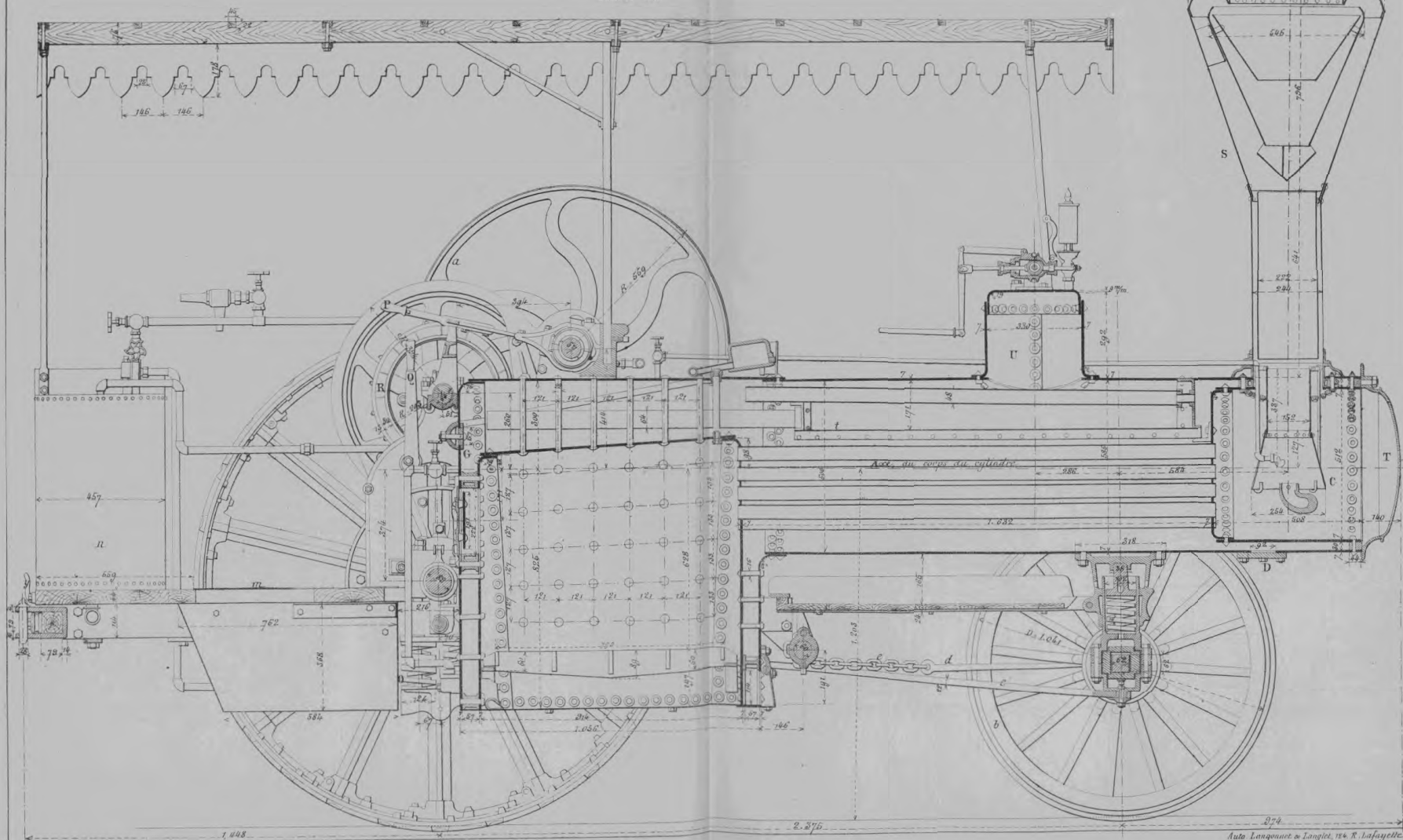




## LOCOMOTIVE ROUTIÈRE DE LA GEISER MANUFACTURING CO. WAYNESBORO PA.....

Coupe longitudinale

Echelle 1/16

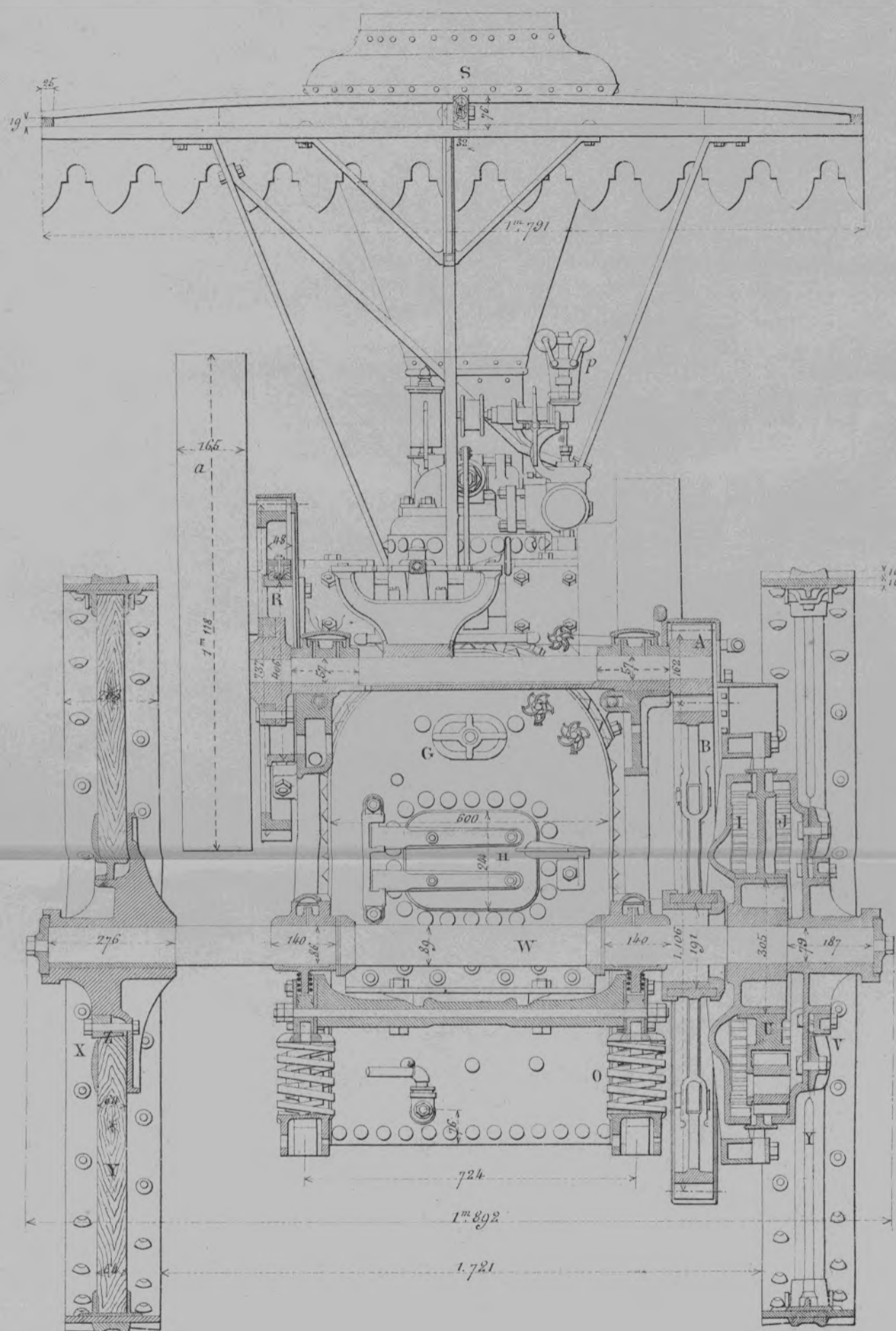






Coupe verticale par l'axe de l'essieu moteur

Echelle 1/10



Légende des planches 25 à 30

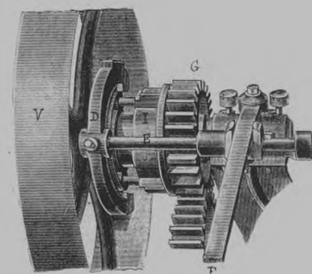
- |  |   |
|--|---|
| A — Pignon moteur  | V — Roue de droite                                |
| B — Roue dentée engrenant avec le pignon A                   | W — Cylindre                                      |
| C — Boîte à fumée à enveloppe d'eau                          | X — Roue de gauche                                |
| D — Trou de nettoyage  | YY — Rais en bois                                 |
| EE — Tiges des ressorts amortisseurs                         | Z — Couronne conique de serrage des rais          |
| F — Soupape de sûreté  | a — Poulie volant                                 |
| G — Autoclave  | b — Roue d'avant                                  |
| H — Porte du foyer   | c — Barre maintenant le pivot de l'essieu d'avant |
| I — Roue à denture intérieure clavetée sur l'essieu K        | d — Tringle de direction                          |
| J — Moyeu de la roue de droite V formant engrenage intérieur | e — Chaines de direction                          |
| K — Essieu d'arrière   | f — Abri  |
| LL — Glissières  | g — Tige de manœuvre de direction                 |
| M — Bielle motrice   | h — Volant d° d°                                  |
| N — Plateau manivelle  | m — Plateforme du mécanicien                      |
| O — Ressorts de suspension                                   | n — Réservoir à eau                               |
| P — Levier de manœuvre de changement de marche               | p — Régulateur                                    |
| Q — Levier de manœuvre du frein                              | q — Courroie de commande du régulateur            |
| R — Frein de friction à segments en bois                     | r — Ressorts amortisseurs                         |
| S — Cheminée   | t — Tôle séparatrice du dispositif FF.Landis      |
| T — Porte de boîte à fumée                                   | y — Cheville d'attelage                           |
| U — Dôme de prise de vapeur                                  |   |



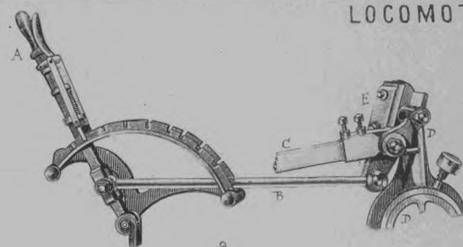


LOCOMOTIVES ROUTIÈRES

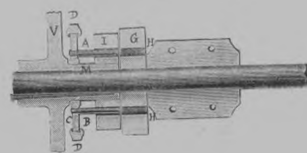
Fig 1



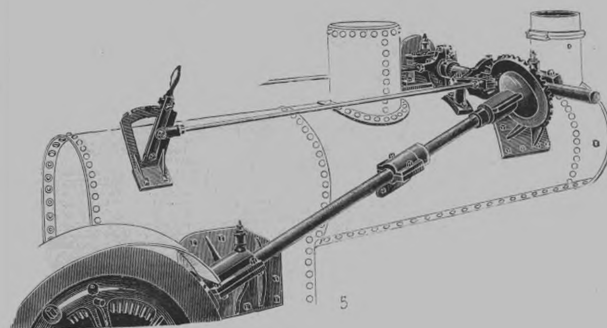
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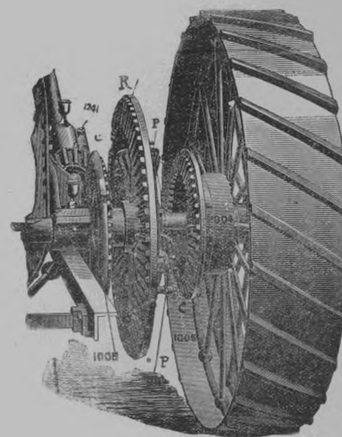
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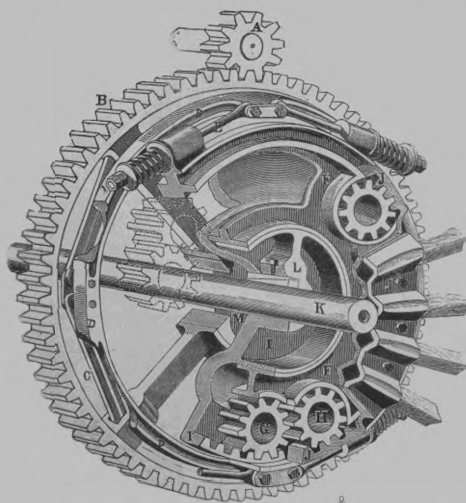
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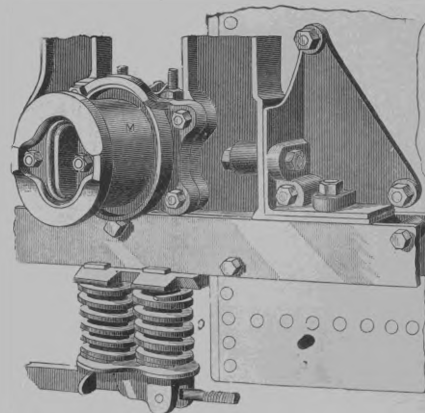
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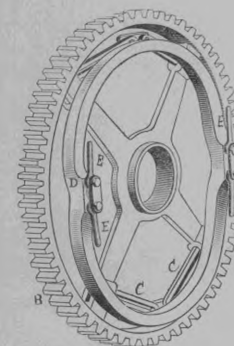
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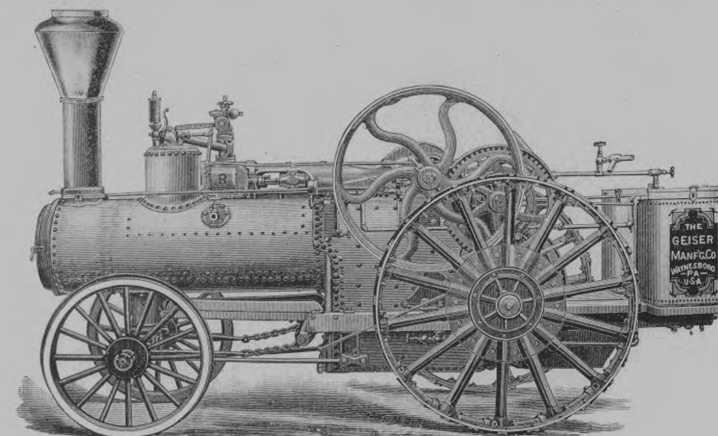
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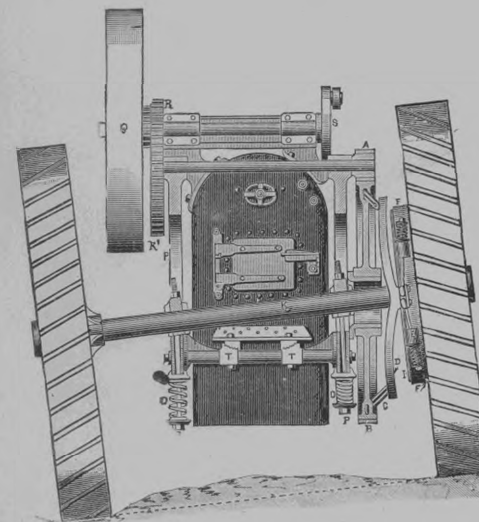
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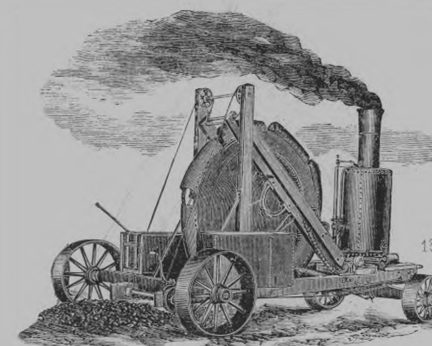
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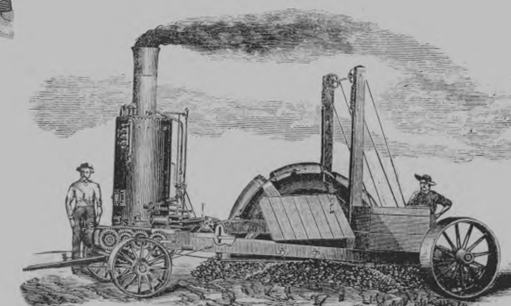
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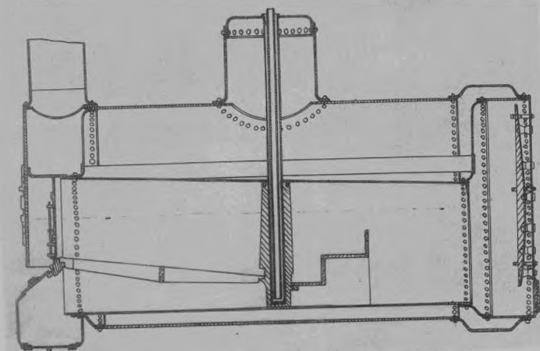




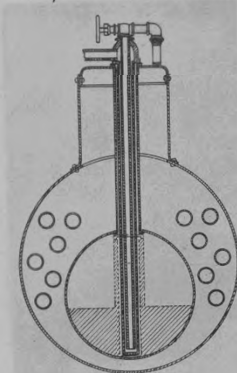
## Locomotives Routières.

### Routière de la Huber Manufacturing and C<sup>o</sup>

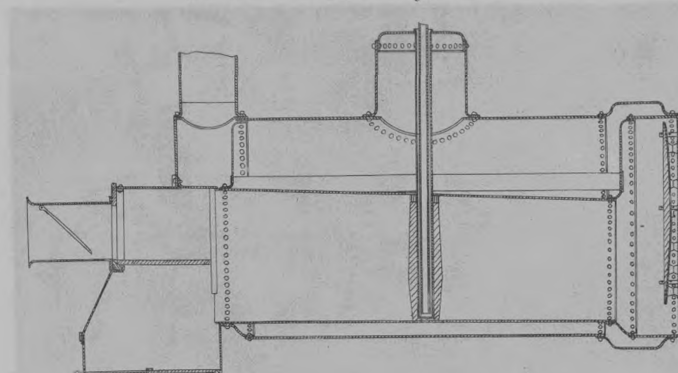
Chaudière à brûler ( avec foyer ) du charbon ou du bois.  
Coupe longitudinale



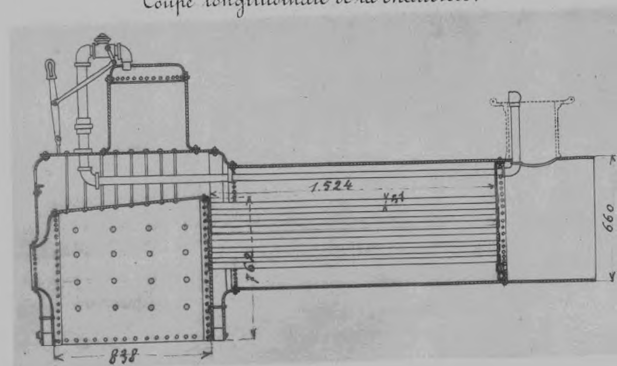
Coupe transversale.



Chaudière avec foyer à brûler de la paille.  
Coupe longitudinale

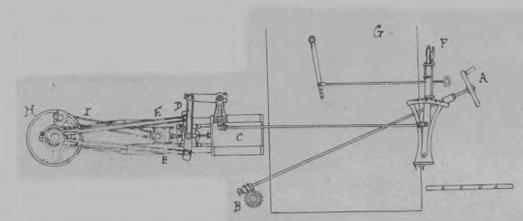


Routière A. W<sup>m</sup> Stevens and Son.  
Coupe longitudinale de la chaudière.



Largeur du foyer : 610 mm

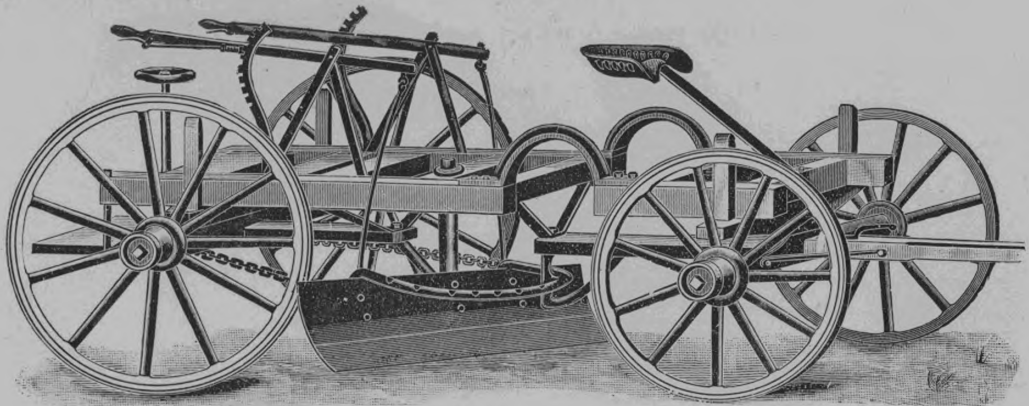
Routière de la Westinghouse Company  
Vue du cylindre à vapeur et du mécanisme de distribution.



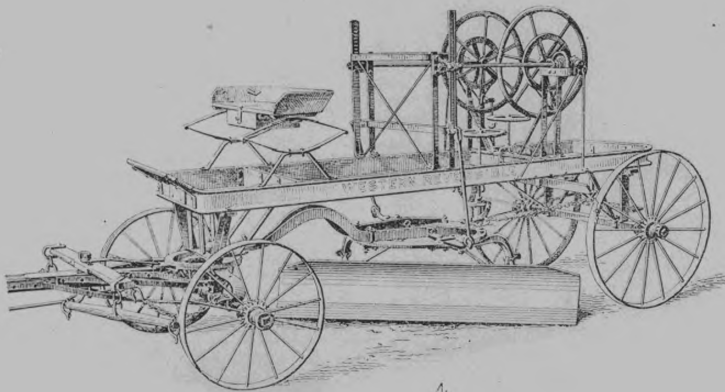
#### Légende :

- A Volant de la manœuvre d'orientation
- B Arbre d'orientation de l'avant train
- C Cylindre à vapeur
- D Coulisse
- EE Billes d'excentrique
- F Levier de manœuvre de distribution
- G Chaudière verticale
- H Plateau manivelle
- I Bielle motrice
- K Plateforme





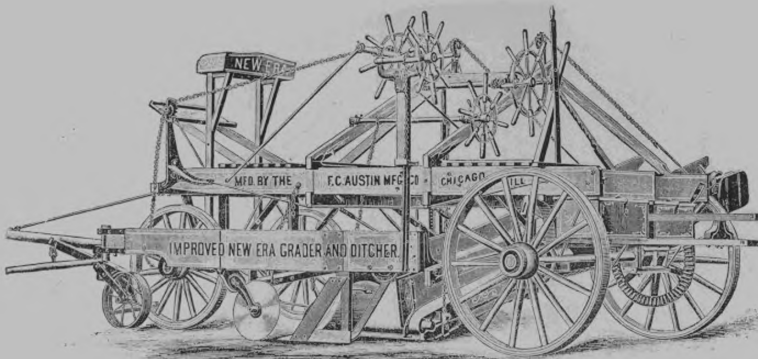
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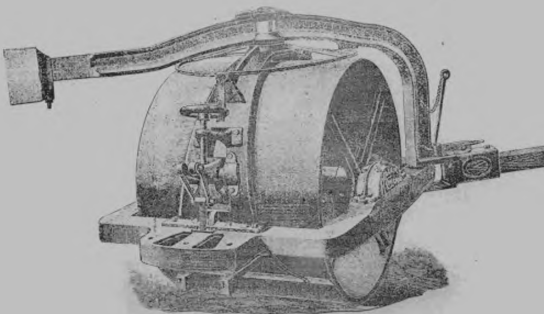
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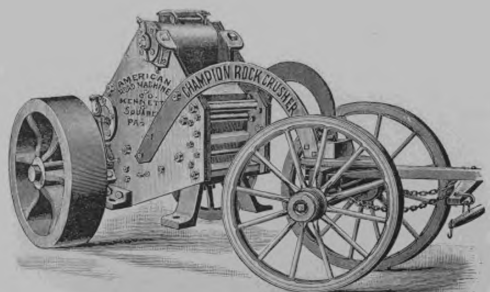
5



Fig. 1



7



6



