

James F. B.
Wm. B. D.
JANUARY, 1857.

ILLUSTRATED CATALOGUE

Agricultural and Horticultural IMPLEMENTS AND MACHINES,

MANUFACTURED AND SOLD BY

NOURSE & CO.

AT THE

EAGLE AGRICULTURAL WAREHOUSE,

Nos. 9 & 13 Commercial Street,

BOSTON, MASS.

ALSO, WHOLESALE AND RETAIL DEALERS IN

GARDEN, FIELD, AND FLOWER SEEDS,

Fruit and Ornamental Trees, Vines, &c.

GUANO, BONE DUST, PHOSPHATE LIME, &c.

100

100

100

35
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THE UNIVERSAL PLOW.

The large engraving opposite is a view of the *Universal Plow* with its twelve mould-boards. This is a recent invention, for which measures have been taken to secure Letters Patent. The implement embraces various forms and sizes of mould-board, each nicely fitting to one common standard and frame-work — thus adapting the plow to a wide variety of soils and modes of culture. Each mould-board is constructed to perform its respective work in a thorough and finished style.

The advantages of having the various mould-boards, needed for the different soils and modes of culture, combined in one general implement, rather than made up separately in several plows, the saving of expense thereby and of storage, are too apparent to need more than the bare mention.

The *Universal Plow* is sold by the proprietors with one mould-board only, or with any number of mould-boards, as the purchaser may select. It is a desirable implement if but one mould-board is wanted, because that one will do thorough and finished work, and when worn away considerably, or if by accident broken — a contingency to which the mould-board of any plow is liable — its place can be cheaply supplied with a new one. Again, the purchaser, after obtaining one mould-board, and the standard, share and frame-work to go with it, can at any time procure such other mould-boards of the series as he would like, at slight expense as compared with buying new plows entire; and thus he may be induced to employ a larger and better assortment of plows, suited to his various fields and modes of culture, than he would otherwise use.

The *Universal Plow* embraces the following kinds and sizes of mould-boards:

1. For plowing intervale and other smooth grass lands, five sizes of mould-board, of long and gentle spiral or twist, viz.:

(Mark on Mould-board.)

- "Intervale No. 120," flat furrows, 7 to 10 inches deep, 14 to 16 wide, 3 to 4 cattle.
- "Intervale No. 121," flat furrows, 5 to 9 inches deep, 13 to 15 wide, 3 cattle.
- "Intervale No. 122," flat furrows, 4 to 8 inches deep, 12 to 14 wide, 2 to 3 cattle.
- "Intervale No. 123," flat furrows, 4 to 7 inches deep, 11 to 13 wide, 2 horse, medium.
- "Intervale No. 124," flat furrows, 3 to 6 inches deep, 10 to 12 wide, 2 horse, light.

2. For plowing upland, stony land, old pastures and other grass lands of uneven or rough surface, four sizes of mould-board of short and powerful twist:

(Mark on Mould-board.)

- "Upland No. 140," flat furrows, 5 to 9 inches deep, 13 to 15 wide, 3 to 4 cattle.
- "Upland No. 141," flat furrows, 4 to 8 inches deep, 12 to 14 wide, 3 cattle.
- "Upland No. 142," flat furrows, 4 to 7 inches deep, 11 to 13 wide, 2 cattle, medium.
- "Upland No. 143," flat furrows, 3 to 6 inches deep, 10 to 12 wide, 2 cattle, light.

3. For plowing clay and other stiff soil sod, lapping the furrow-slices one upon another at an inclination of 45° :

(Mark on Mould-board.)

"Lap Furrow No. 130," 5 to 7 inches deep, 9 to 11 wide, 2 horse, light.

"Lap Furrow No. 131," 6 to 8 inches deep, 11 to 12 wide, 2 horse, large.

4. For plowing stubble or old ground, two sizes of mould-board, throwing the soil over abruptly, and breaking it fine :

(Mark on Mould-board.)

"Stubble No. 150," 6 to 12 inches deep, 12 to 16 wide, 2 horse, large.

"Stubble No. 152," 4 to 9 inches deep, 10 to 14 wide, 2 horse, medium.

5. Also, by using the skim or little forward plow on the same beam with the stubble mould-board, two sizes of superior Double, or Sod and Subsoil plows :

(Mark on Mould-board.)

"Sod and Subsoil No. 150," 8 to 12 inches deep, 4 cattle.

"Sod and Subsoil No. 152," 7 to 10 inches deep, 2 to 3 cattle.

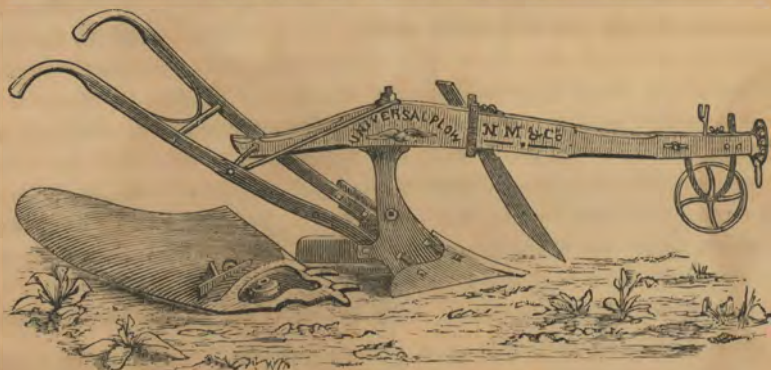


Fig. A. Frame-work of Plow, with Mould-board detached.

Fig. A is a view of the standard, share and frame-work of the *Universal Plow*, with one of the mould-boards lying in the rear. The slots in the standard, just back of the share, receive the locks on the forward end of the mould-board ; the button on the mould-board, a little back of and above the locks, enters the socket back of and above the slots in the standard, and a bolt passing through the mould-board and standard at this point, is made fast by a nut on the inner side ; another bolt confines the mould-board to the right hand handle of the plow ; and thus by means of the two locks and the two bolts the mould-board is held firmly and securely to its place. By loosening the bolts, any mould-board is taken off to give place to any other one of the series. The greatest attainable simplicity has been closely studied in adjusting the parts of this plow, so that the various changes are easily and quickly made.

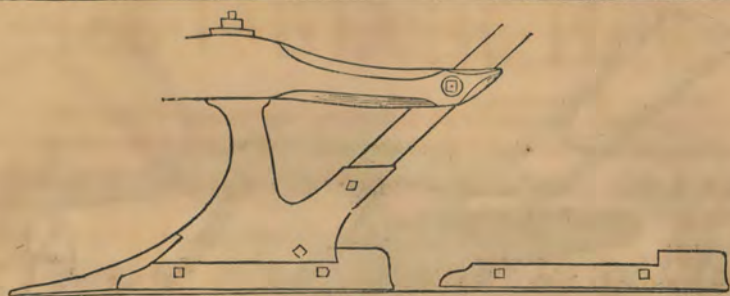


Fig. B.

Fig. B is an outline of the land-side, showing how the sole or shoe piece is attached. It represents a long and short shoe — the former being used with the longest and largest of the Intervale mould-boards, and the latter with the Upland and Stubble. On all plows, the shoe of the land-side is exposed to great friction, and needs renewing long before the mould-board wears away. The shoe is very cheaply renewed on this plow.



Fig. C.

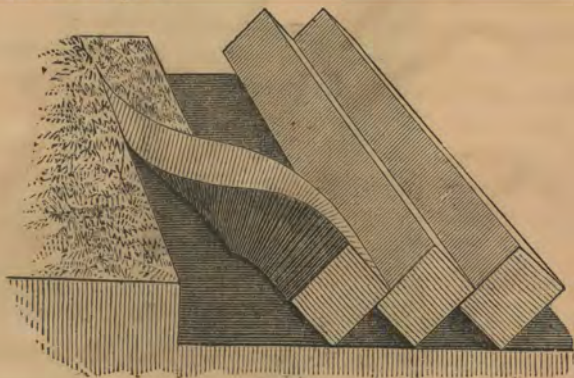


Fig. D.

Fig. C is a top view of one of the mould-boards for turning sod, showing the desirable form or twist for laying that kind of work in handsome style.

Fig. D represents the movement of the sod as turned by the Lap Furrow mould-board. This mould-board is designed for turning stiff clay sod, lapping the slices one upon another at an inclination of 45° to the horizon. The projecting angles of the furrow-slices present the greatest possible surface of soil to the atmospheric influences, and contain the greatest attainable cubical contents of soil for the harrow to operate on in raising a mellow seed-bed, while the spaces underneath are so many little drains to relieve the surface of superfluous moisture.

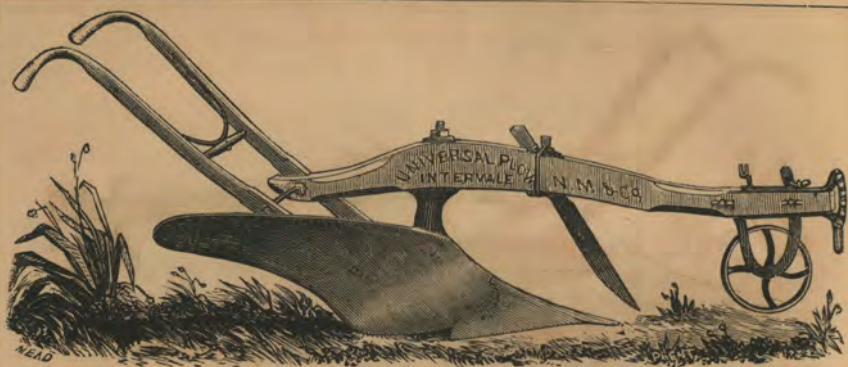


Fig. E.

Fig. E is a side view of the plow rigged with one of the intervale mould-boards, and wheel and cutter, for plowing flat furrows in smooth grass land.

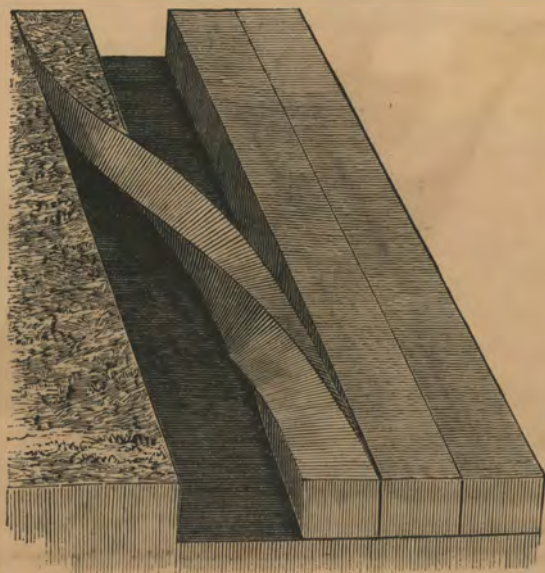


Fig. F. View of the movement of the Intervale furrow-slice.

Fig. F represents the movement of the sod as turned by an intervale mould-board. The long, easy flexure of the furrow-slice is noticeable; and the gentle and gradual twist of the mould-board which produces this result also makes the plow of light draught, and promotes highly-finished flat furrow plowing in smooth land.



Fig. G.

Fig. G is a side view of the plow rigged with one of the Upland mould-boards for plowing flat furrows in stony or rough grass land.

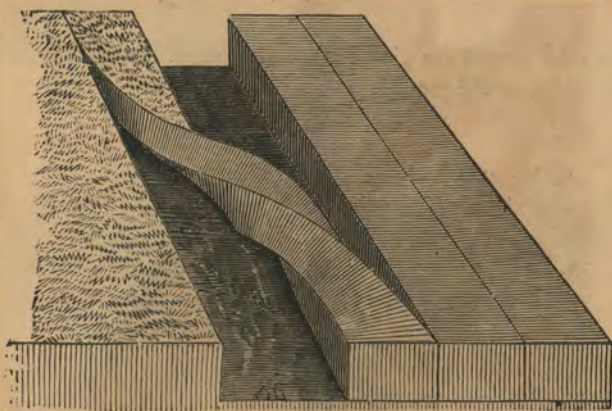


Fig. H. View of the movement of the Upland furrow-slice.

Fig. H shows the movement of the sod as turned by an upland mould-board. The curvature of the sod is quicker than that represented in the preceding cut. The more abrupt twist of the Upland mould-board, though increasing the draught of the instrument somewhat, and not producing so handsome work as the Intervale mould-board in smooth land, is yet very valuable in plowing sod land that is quite stony or of a rough surface. It makes a short plow, which, when interrupted in its work by stones or stumps, or in passing ridges and hollows, readily catches its full depth of furrow again, and by its short and powerful curvature, makes sure work of overturning the sod among these obstacles, where a longer plow could not produce so exact and desirable results.

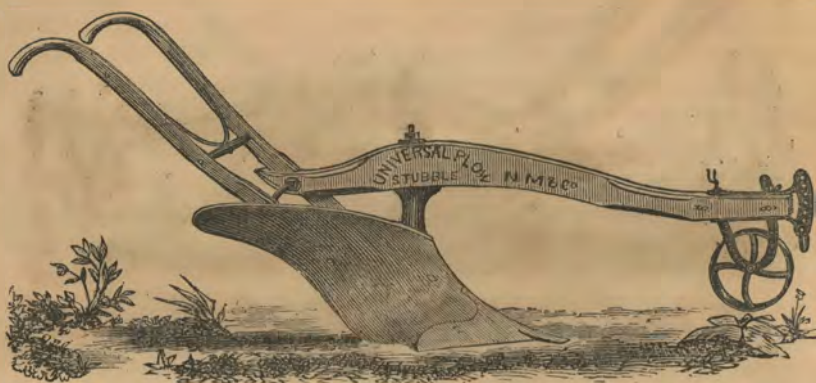


Fig. I.

Fig. I is a side view of the plow rigged with one of the Stubble mould-boards, for plowing stubble or old ground.

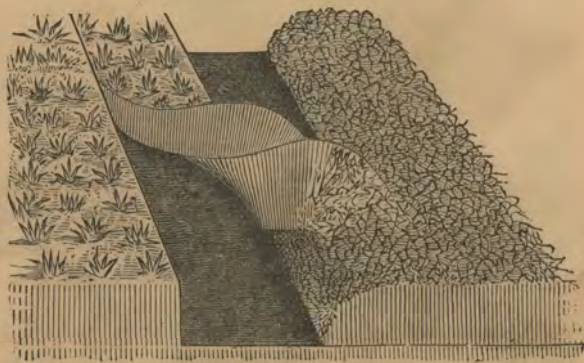


Fig. J. View of the movement of the Stubble furrow-slice.

Fig. J shows the movement of the old ground slice, as turned by one of the stubble mould-boards. The elevating and turning power of the mould-board is quite apparent in the sudden and high twist of the furrow-slice; and its capacity for breaking up and pulverizing the soil is remarkable.

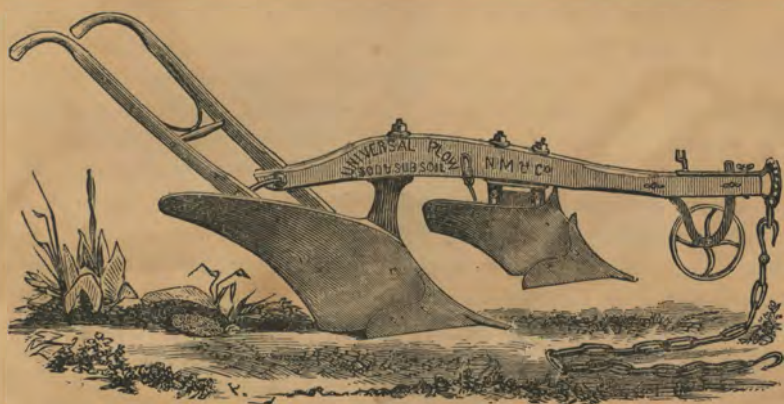


Fig. K.

Fig. K is a side view of the plow rigged with one of the stubble mould-boards and the skim plow forward, for Double, or Sod and Subsoil plowing.

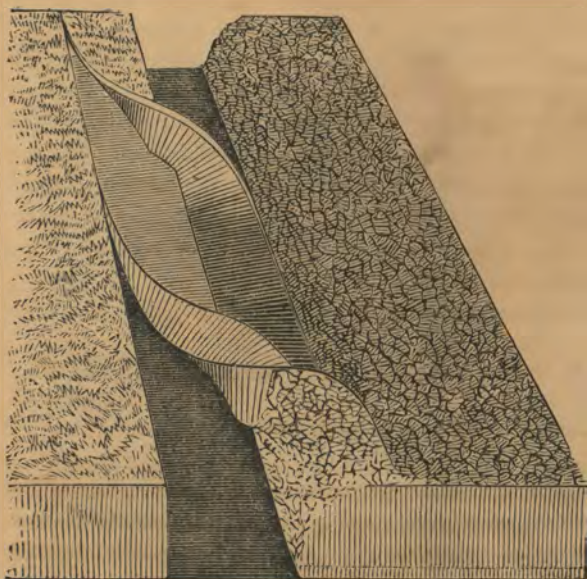


Fig. L. View of the movements of the Sod and Subsoil furrow-slices.

Fig. L shows the movement of the two furrow-slices as turned by the Sod and Sub-soil plow. The skim takes off the sod 2 to 4 inches deep, turning it into the furrow channel; and the rear mould-board lifts the under soil from the depth of 6 to 8 or 10 inches, scattering it over the sod-slice turned by the forward mould-board, and filling the channel. The elevating and pulverizing power of the stubble mould-board, as seen in Fig. J, is again apparent in its work as the rear mould-board in Sod and Subsoil ploughing.

UNIVERSAL PLOW,—STEEL.

The *Universal Plow* is made with steel mould-boards, share, and land-side, and a wrought iron standard. The large engraving opposite represents the plow with its various steel mould-boards. Such other sizes or forms of mould-board as the wants of the public may call for, will be added to the present series.

The Standard is of wrought iron, $\frac{1}{4}$ to $\frac{3}{8}$ inch thick, swaged or pressed into the accurate form required to fit the mould-boards and share, and gives to the plow, in a very superior degree, the quality of lightness combined with adequate strength.

The Share is put on with two bolts and nuts, so as to be handily changed and cheaply repaired, or replaced with a new one. The old ground mould-boards have a different share from the mould-boards for breaking sod. Shares of any width of cut desired are furnished with the plow, to order, as are also extra shares, to take the place of those worn out or needing repair.

The Land-side is bolted to the standard and beam handle, and fits up snugly to the share without being welded to it, and thus may be readily detached for repair or otherwise.

The Mould-boards each fit a common standard and frame, and are bolted to the mould-board handle, each one having the requisite *backing* to give it a bearing against the handle. The Mould-boards for old ground are set at a more or less abrupt angle to the furrow, as different soils or practical uses may require.

The *Universal Plow* in steel is sold with one of the mould-boards only, or with any number of them, as the purchaser may choose. It is a valuable plow to own with one mould-board only, as whichever of the series that one may happen to be, it will do its work thoroughly, with ease to the plowman and team. If a variety of sizes and forms are wanted, then, after purchasing the frame-work and one mould-board, additional plows are in effect procured at the cost of mould-boards only; and little storage room is required for a full assortment of plows, adapted to various kinds of ground and modes of culture.

The *Universal Plow* in steel embraces the following kinds and sizes of mould-boards:—

1. For breaking Prairie, or for plowing any other grass lands shallow or deep, three sizes of mould-board, viz.:

(Mark on Mould-board.)

"U. P. 20," furrows 14 to 16 inches wide, draught of 3 horses.

"U. P. 21," furrows 13 to 14 inches wide, draught of 2 to 3 horses.

"U. P. 22," furrows 12 to 13 inches wide, draught of 2 horses.

2. For plowing old ground, overturning and pulverizing it thoroughly, four sizes of mould-board of abrupt curvature, viz.

(Mark on Mould-board.)

"U. P. 50," furrows 15 to 18 inches wide, 2 to 3 horses.

"U. P. 51," furrows 14 to 16 inches wide, 2 horse, large.

"U. P. 52," furrows 12 to 14 inches wide, 2 horse, medium.

"U. P. 53," furrows 10 to 12 inches wide, 2 horse, small.



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3. Also, by using the skim plow forward on the same beam with the Old Ground mould-boards, two sizes of Double, or Sod and Subsoil plows, viz.:—

(Mark on Mould-board.)

"Sod and Subsoil, U. P. 50," 6 to 12 inches deep, draught of 4 to 6 horses or oxen.

"Sod and Subsoil, U. P. 51," 5 to 9 inches deep, draught of 3 to 4 horses.

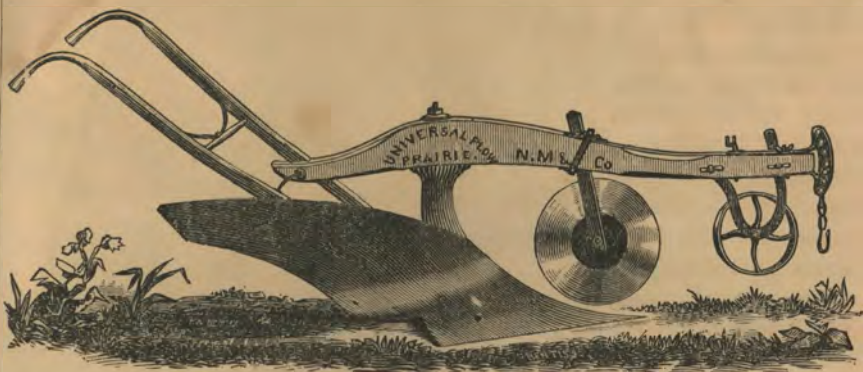


Fig. R.

Fig. R is a side view of the plow rigged with one of the mould-boards, and the circular cutter, for breaking Prairie,—furrows 13 to 14 inches wide ; team, two to three horses.



Fig. S.

Fig. S is a view of the plow rigged with one of the mould-boards and the peacock coulter, for breaking Prairie,—furrows 12 to 13 inches wide ; team, two horses.

Fig. T is a view of the movement of the sod furrow-slice as turned by one of the mould-boards, 2 to 3 inches deep by 15 inches wide. The mould-boards have a broad cutting share, and flat and gradual entrance under the sod, which, with their equal and easy curvature, or twist, adapts them to turn the furrow-slice over handsomely, giving the plow a true and level run and light draught.

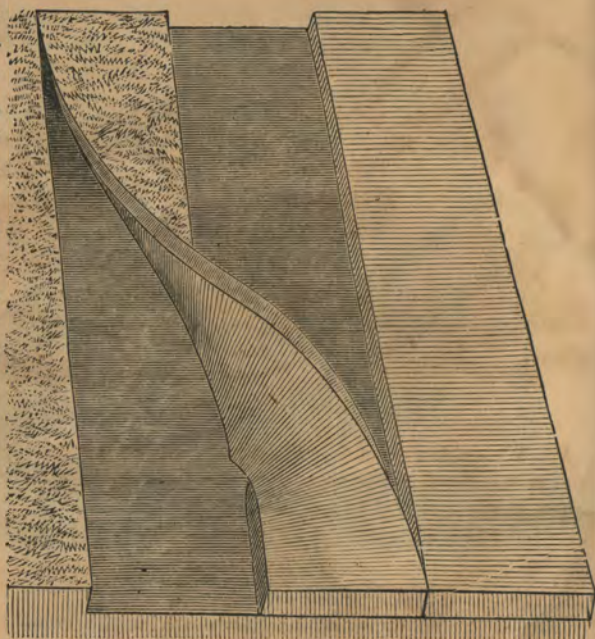


Fig. T.

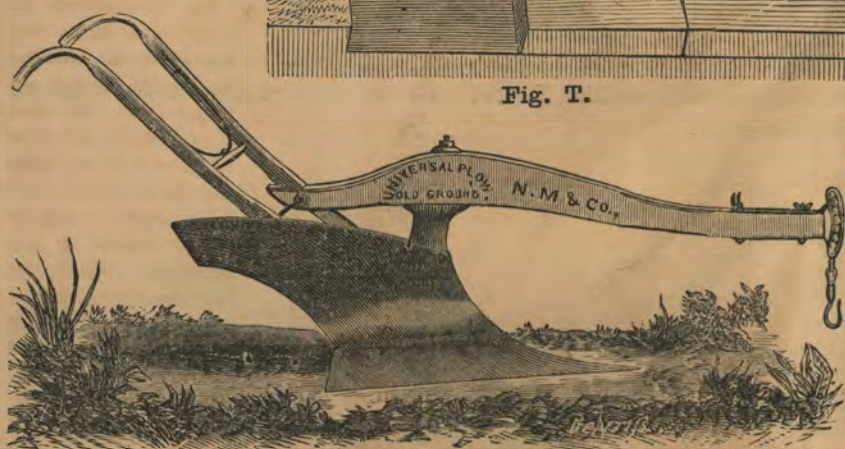


Fig. U.

Fig. U is a view of the plow rigged with one of the mould-boards, for plowing old ground—furrows fifteen to eighteen inches wide.

The plow rigged with either of the old ground mould-boards will bury any amount of "trash," shallow or deep, as may be preferred. The mould-boards are high and of extra turning capacity, to fit them for turning under weeds and stubble of rank growth.

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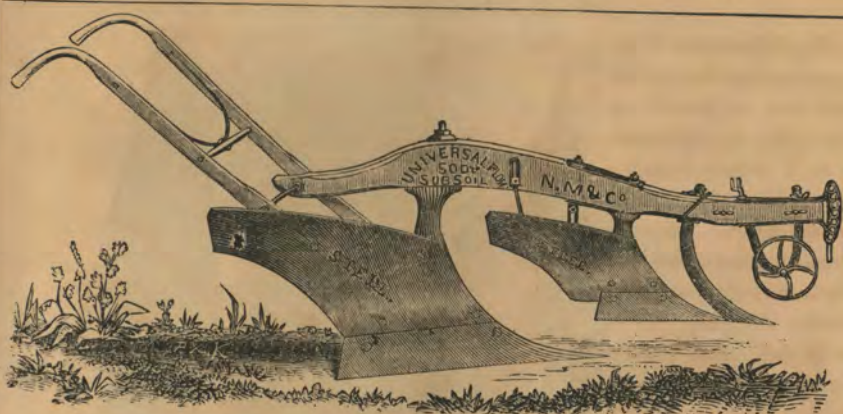


Fig. V.

Fig. V is a side view of the plow rigged with one of the old ground mould-boards and the skim plow forward on the same beam, with the peacock coulter attached, for breaking Prairie in the sod and subsoil style of plowing.



Fig. W.

Fig. W represents the movement of the two furrow-slices in breaking Prairie with the Sod and Subsoil plow. The skim or forward plow cuts 12 or 13 inches wide, and takes off a slice of sod from 1 to 3 inches thick, as may be desired, turning it into the furrow channel; the rear mould-board following, lifts the under soil in slices from 3 to 8 or 10 inches thick, at the option of the plowman, and deposits it on the top of the sod slice turned by the skim plow. With this plow the raw Prairie, wherever tolerably feasible for plowing, can at one operation, and the first time broken, be converted into mellow old ground.

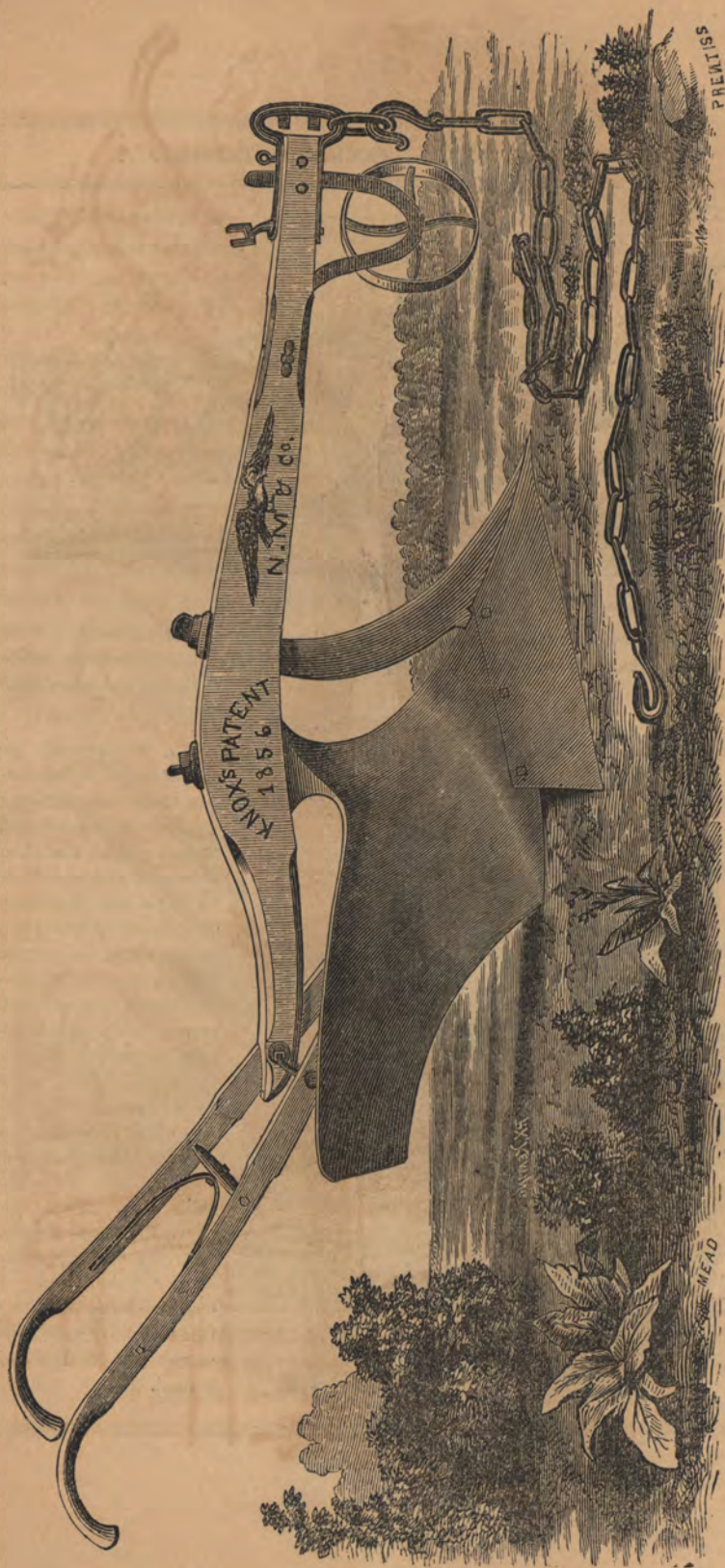


Fig. 0.

PRETIS

HEAD

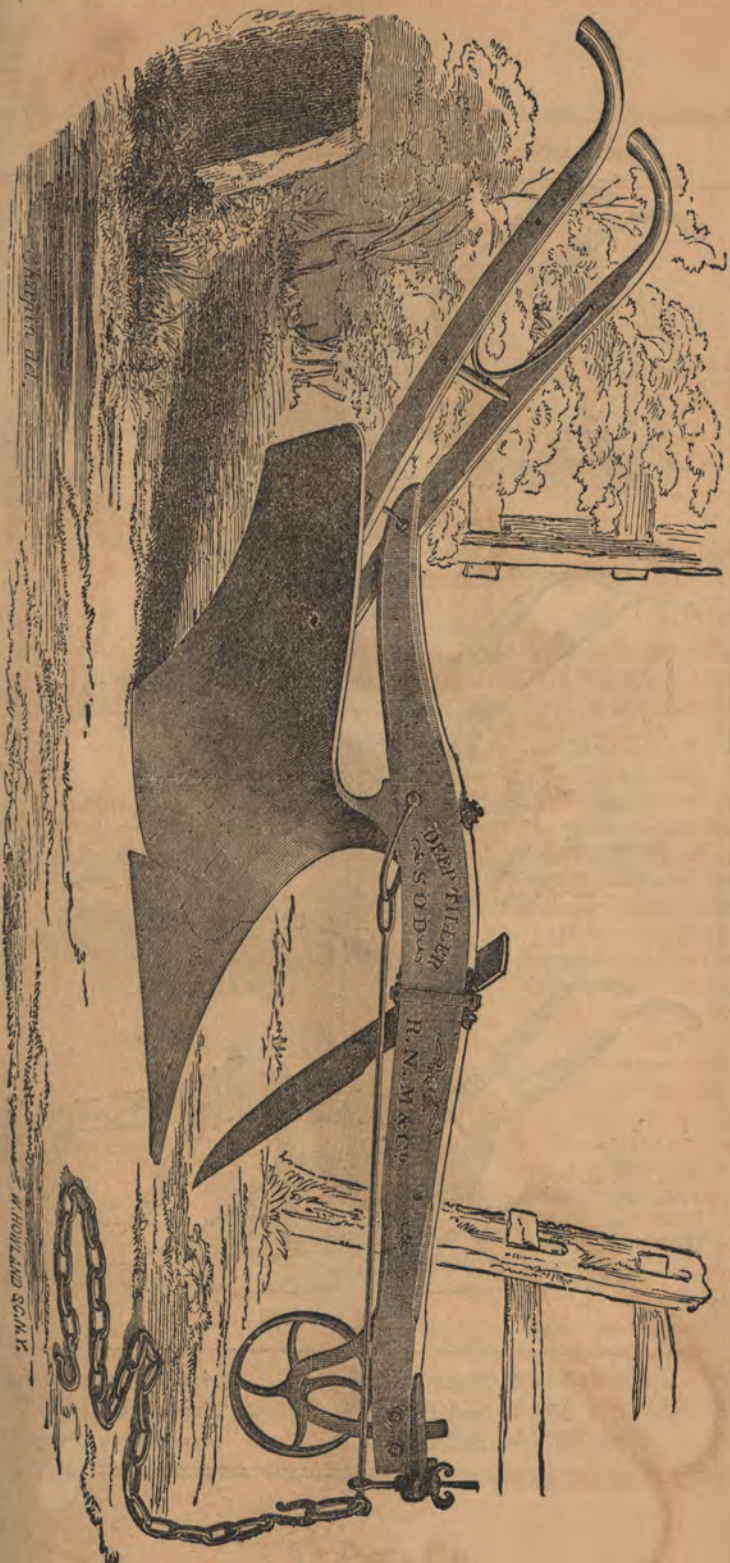


Fig. 1.

Fig. 1. Sod Plow.

Arado para césped.

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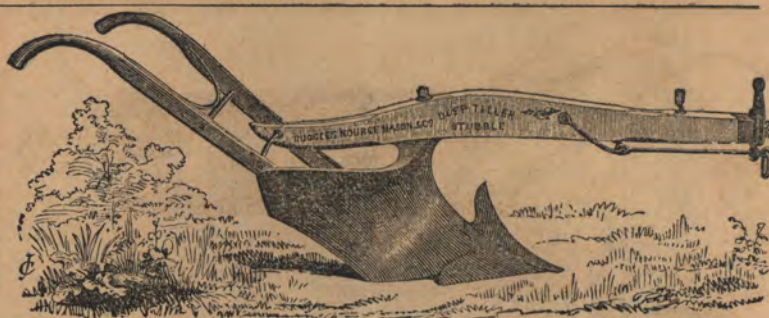


Fig. 2.

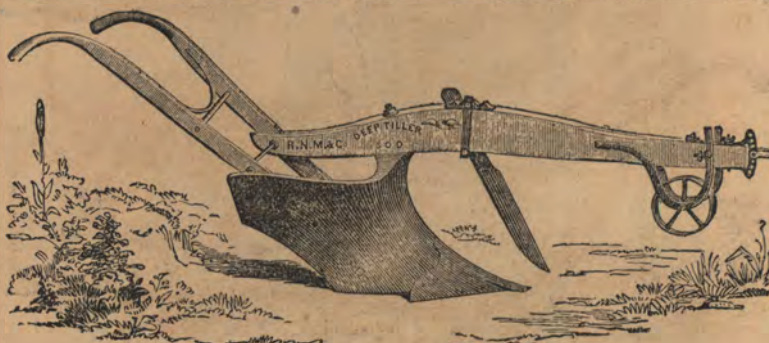


Fig. 3.

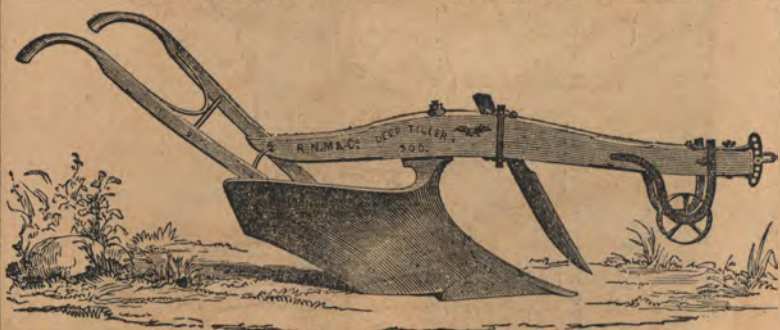


Fig. 4.

Fig. 2. Stubble Plow.

Arado para rastrojo.

Fig. 3. Sod Plow.

Arado para césped.

Fig. 4. Sod Plow.

Arado para césped.

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Fig. 18.

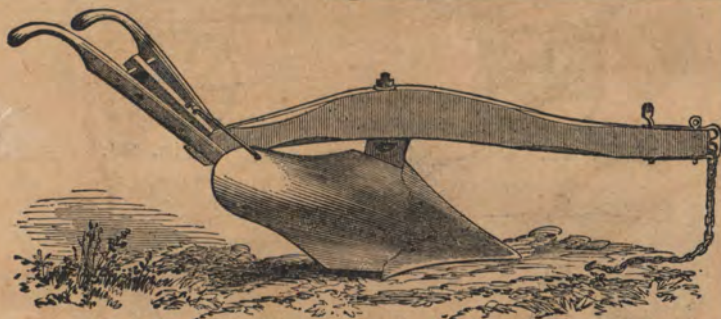


Fig. 19.



Fig. 20.



Fig. 21.

Fig. 18. Hill-side, or Swivel Plow.

Fig. 19. Heavy Road Plow.

Fig. 20. Self Sharpener Plow.

Fig. 21. Sub Soil Plow.

Arado para ladera, ó de vuelta.

Arado pesado para caminos.

Arado de mutuo filo.

Arado de terrenos interiores.

PLOW TRIMMINGS.

PIRZAS Ó PARTES DE LOS ARADOS.



Fig. 22.



Fig. 23.



Fig. 24.



Fig. 25.



Fig. 26.

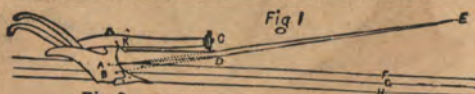


Fig. 3.



Fig. 2.

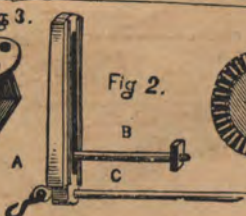


Fig. 27.



Fig. 4.

Fig. 22. Wheel.

Fig. 23. Wheel.

Fig. 24. Lock Coultter.

Fig. 25. Cutter.

Fig. 26. Cutter.

Fig. 27. Dial Clevis.

Rueda.

Rueda.

Cuchillo unido.

Cuchillo.

Cuchillo.

Abrazadera giratoria.

PLOW TRIMMINGS.

PIEZAS Ó PARTES DE LOS ARADOS.



Fig. 28.



Fig. 29.



Fig. 30.



Fig. 31.



Fig. 32.

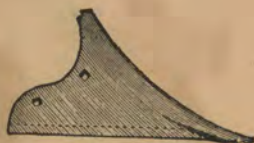


Fig. 33.

Fig. 28. Scotch Clevis.

Fig. 29. Half Scotch Clevis.

Fig. 30. Common Clevis.

Fig. 31. Quadrant Clevis.

Fig. 32. Fin Share.

Fig. 33. Share.

Abrazadera escocesa.

Media abrazadera escocesa.

Abrazadera comun.

Abrazadera cuadrante.

Reja con aleta.

Reja.

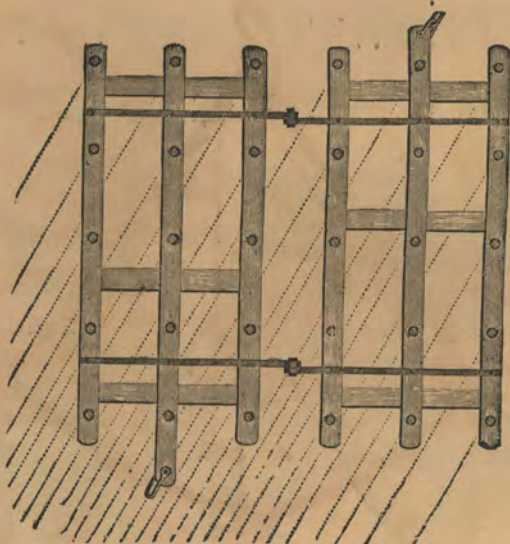


Fig. 34.



Fig. 35.

Fig. 34. Improved Hinge Harrow.

Grada de bisagra perfeccionada.

Fig. 35. Expanding and Reversible Harrow.

Grada de ensanche.

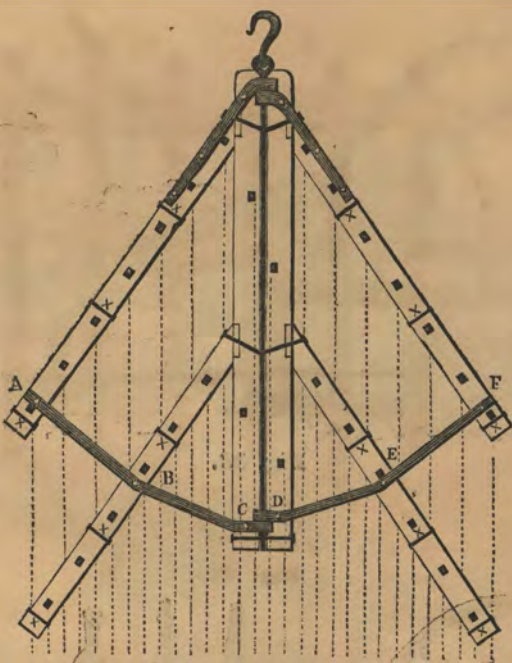


Fig. 36.

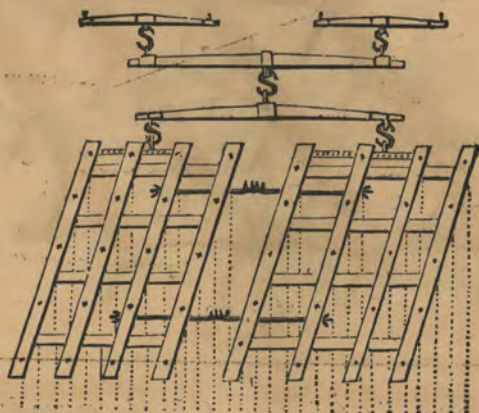


Fig. 37.

Fig. 36. Geddes Harrow.

Fig. 37. Scotch Harrow.

Grada de Geddes.

Grada Escocesa.

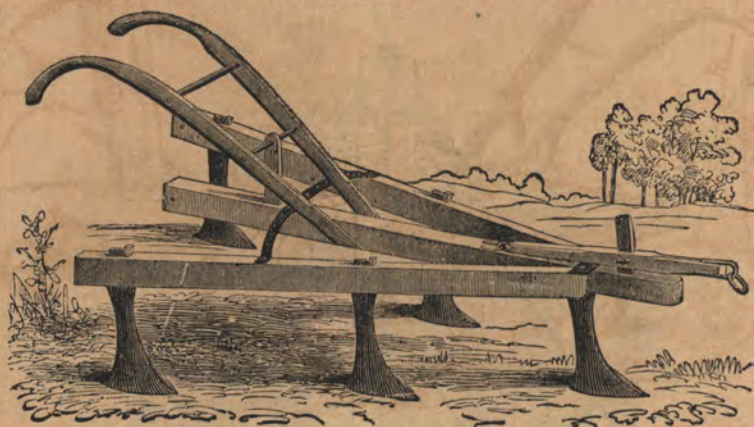


Fig. 38.

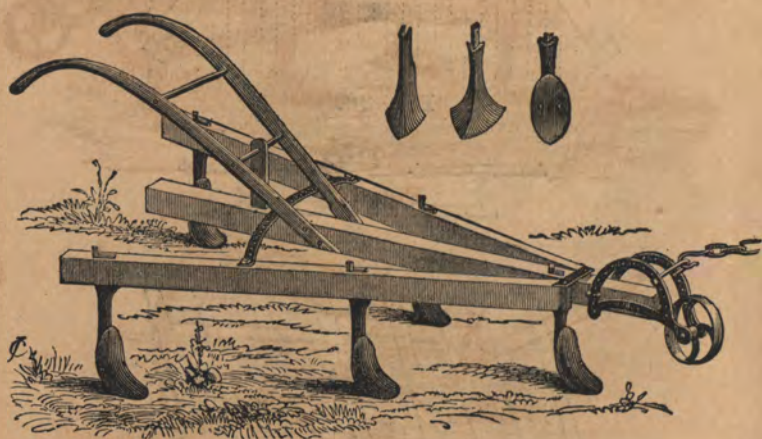


Fig. 39.

Fig. 38. Common Expanding
Cultivator.

Cultivador comun de ensanche.

Fig. 39. Improved Expanding
Cultivator.

Cultivador de ensanche perfeccionado.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

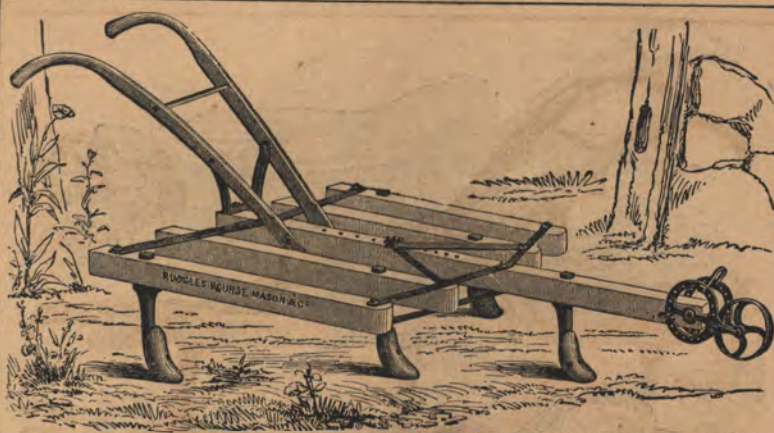


Fig. 40.

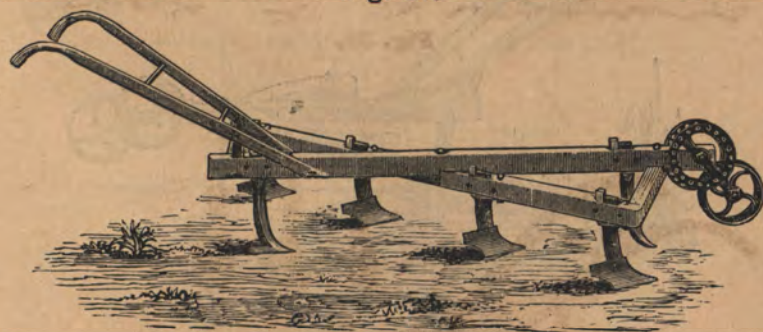


Fig. 41.

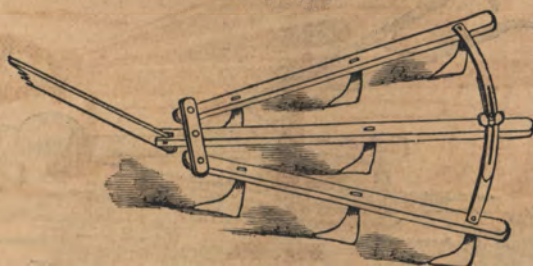


Fig. 42.

Fig. 40. Parallel Expanding Cultivator.

Cultivador paralelo de ensanche.

Fig. 41. Knox's Patent Gang Cultivator.

Cultivador patente de Knox.

Fig. 42. Hand Cultivator.

Cultivador de mano.

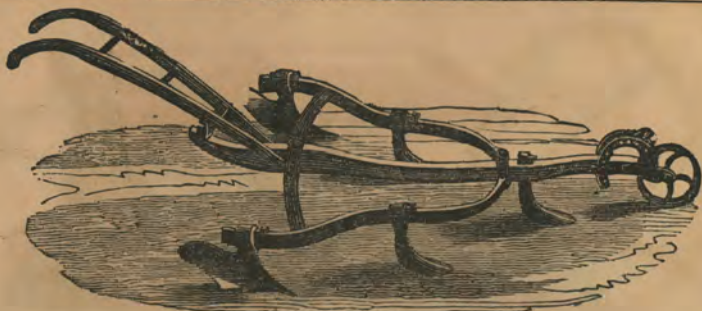


Fig. 43.

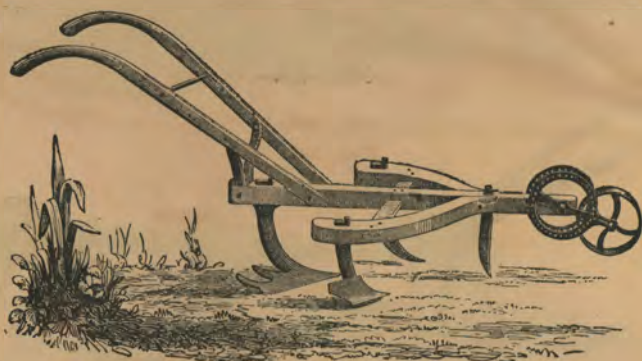


Fig. 44.

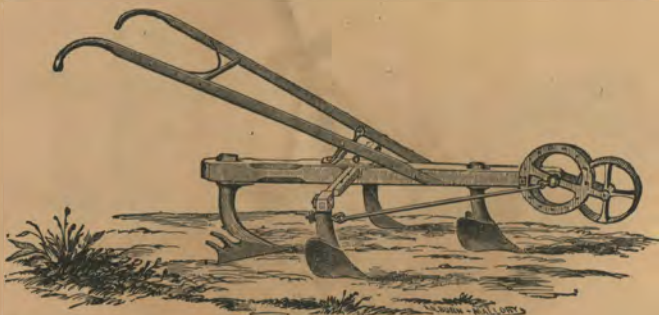


Fig. 45.

Fig. 43. Universal Cultivator.

Fig. 44. Knox Horse Hoe.

Fig. 45. Howe's Expanding
Horse Hoe.

Cultivador universal.

Azada de caballo de Knox.

*Azada de caballo de ensanche de
Howe.*

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

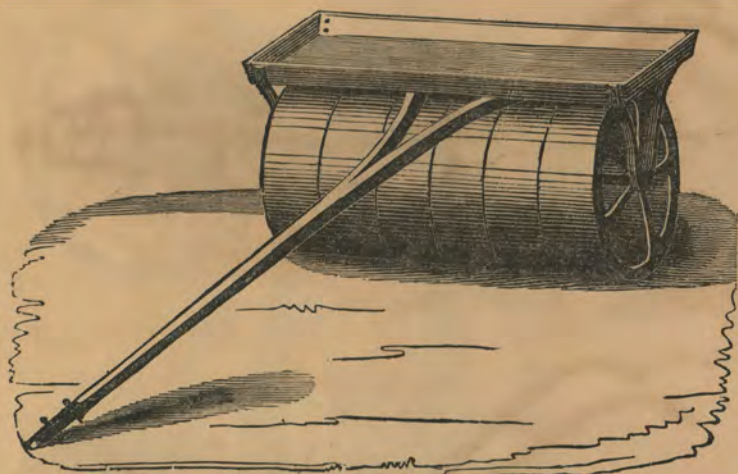


Fig. 46.

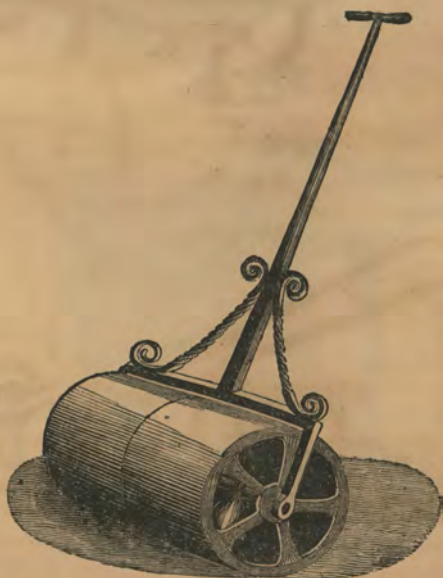


Fig. 47.

Fig. 46. Field Roller.

Rodillo de campo.

Fig. 47. Garden Roller.

Rodillo de jardin.

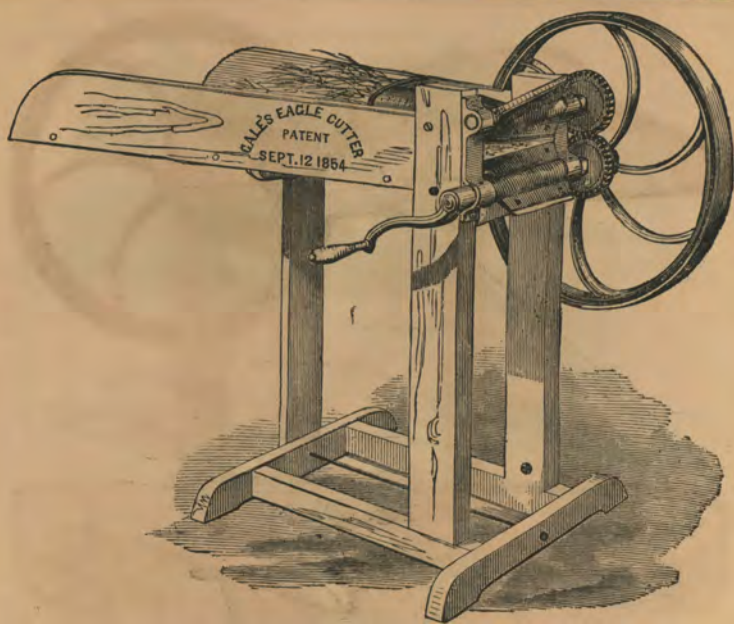


Fig. 48.

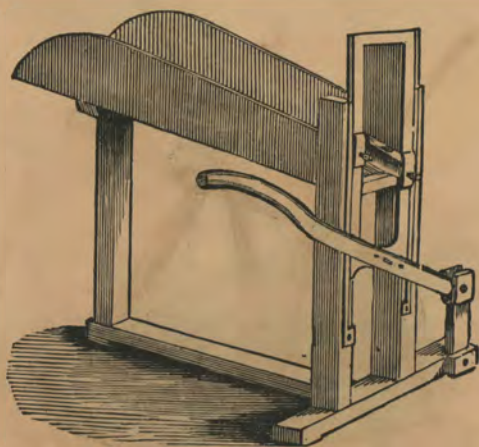


Fig. 49.

Fig. 48. Eagle Hay, Straw, and
Corn Stalk Cutter.

Cortador de paja, heno, y maloja.

Fig. 49. Lever Hay Cutter.

Cortador de paja, con palanca.

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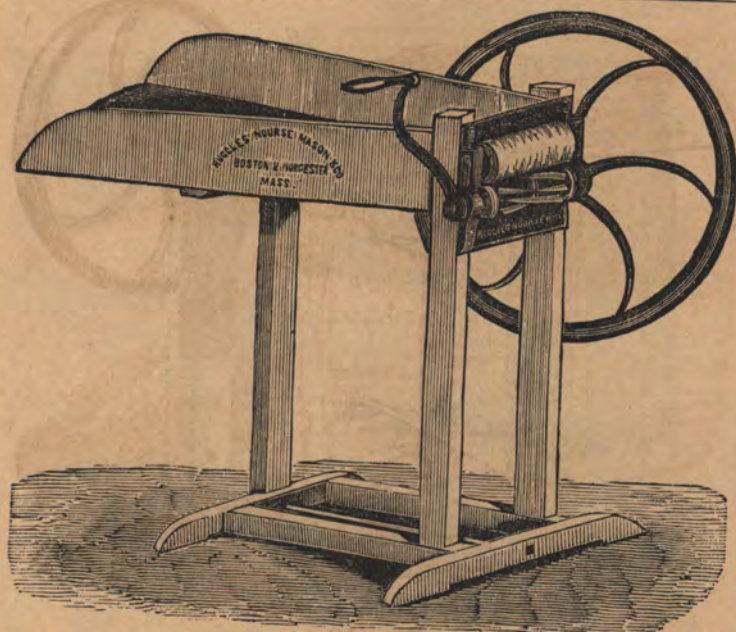


Fig. 50.

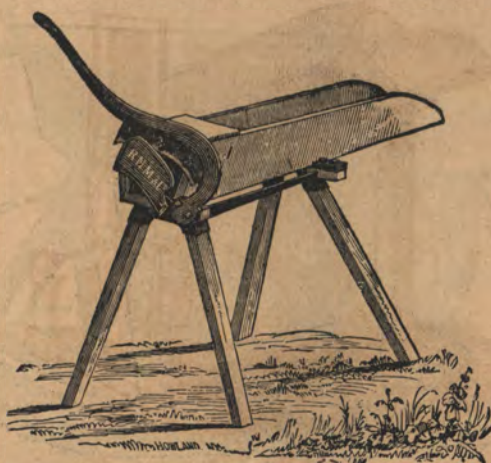


Fig. 51.

Fig. 50. Cylinder Hay Cutter.

Cortador cilindrico de paja.

Fig. 51. Smith's Corn Stalk Cutter.

Cortador de malloja de Smith.



Fig. 52.

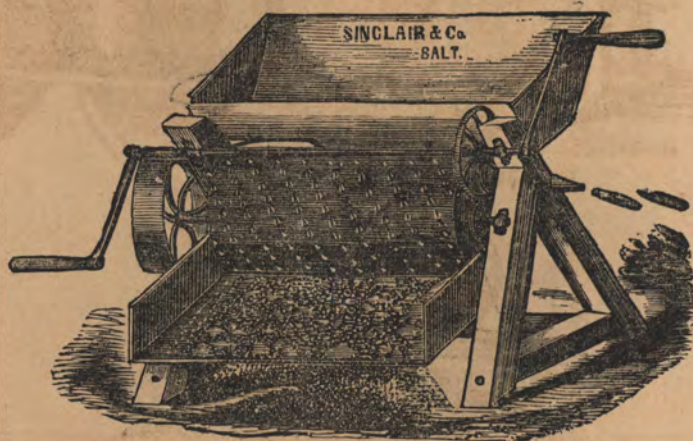


Fig. 53.

Fig. 52. Southern Corn Sheller.
Fig. 53. Virginia Corn Sheller.

Desgranador de maiz del Sud.
Desgranador de maiz de Virginia.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

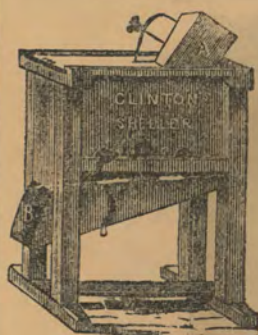


Fig. 55.



Fig. 54.



Fig. 56.



Fig. 57.

Fig. 54. Smith's Corn Sheller.

Desgranador de maíz, de Smith.

Fig. 55. Clinton Corn Sheller.

Desgranador de maíz, de Clinton.

Fig. 56. Boston Corn Sheller.

Desgranador de maíz, patente de Boston.

Fig. 57. Billings's Corn Planter.

Sembrador de maíz, de Billings.

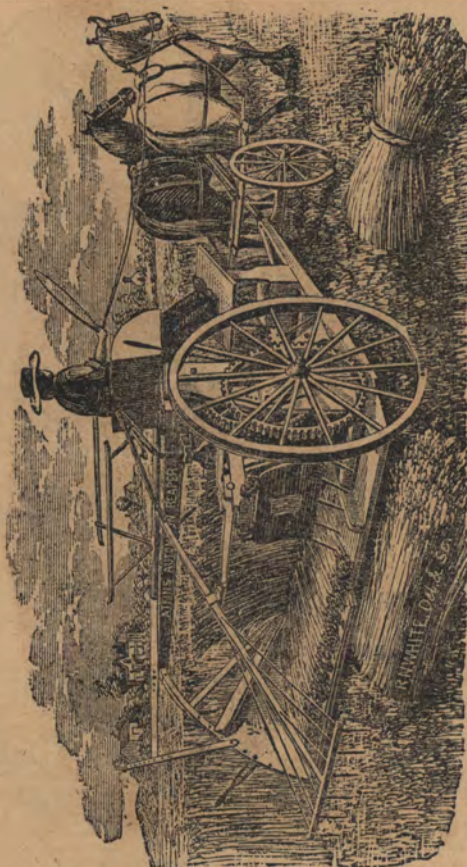


Fig. 58.



Fig. 59.

Fig. 58. Atkins's Reaping Machine.

Maquina para segar de Atkins.

Fig. 59. Grant's Grain Cradle.

Segador con guadaña de Grant.

Fig. 60.



Fig. 61.

Fig. 60. McCormick's Reaping Machine.

Maquina para segar, de McCormick.

Fig. 61. Wilcox's Grain Cradle.

Segador con guadaña de Wilcox.



Fig. 62.

Fig. 62. Manny's Reaper.

Maquina para segar de Manny.

Fig. 63.

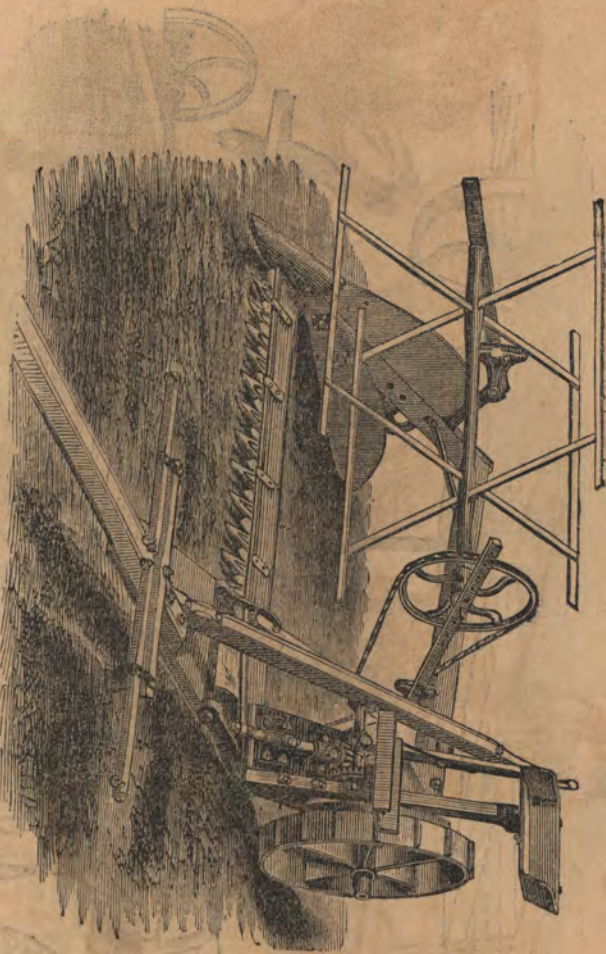


Fig. 63. Manny's Mowing Machine.

Maquina para guadañar de Manny.

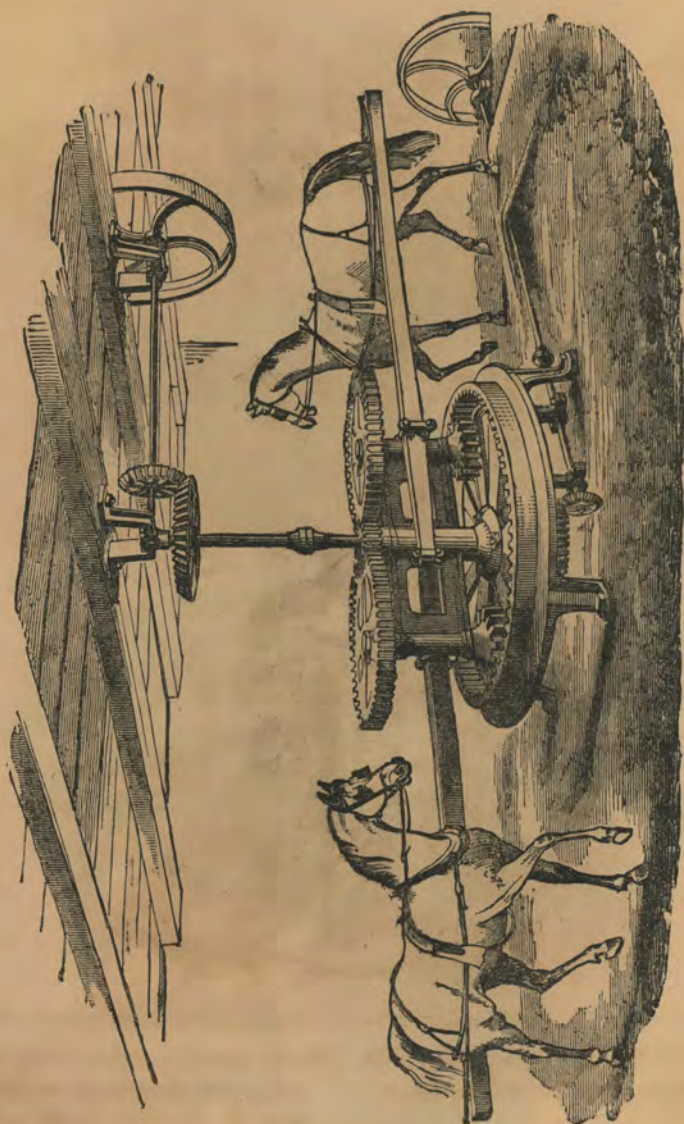


Fig. 64.

Fig. 64. Bogardus's Horse
Power.

*Fuerza motriz de caballo, de Bogar-
dus.*

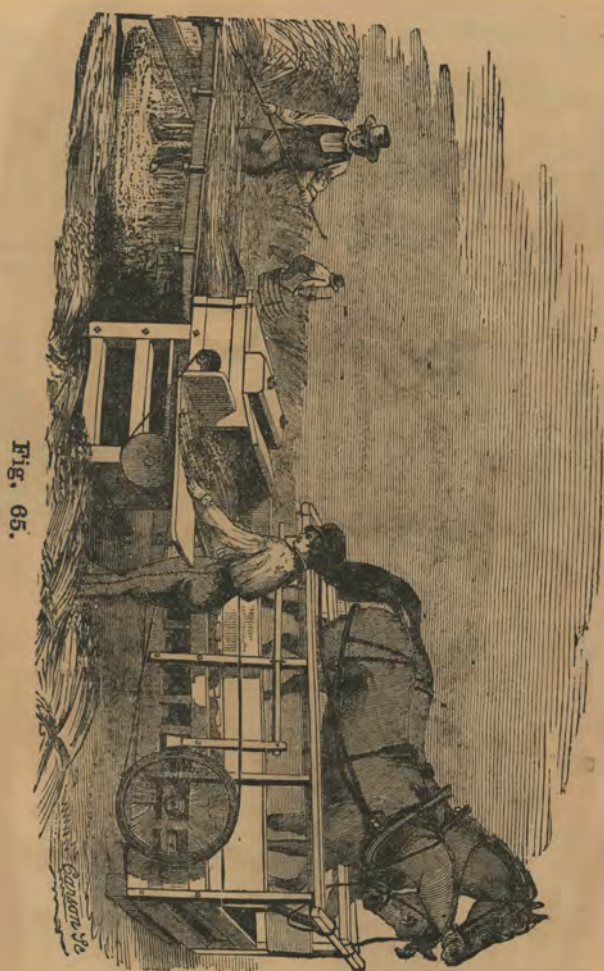


Fig. 65.

Fig. 65. Emery's Changeable Horse Power, Thresher and Separator.

Fuerza motriz para uno o dos caballos, con plataforma de rotacion de velocidad mudable, de Emery, con maquina de trillar y separar.

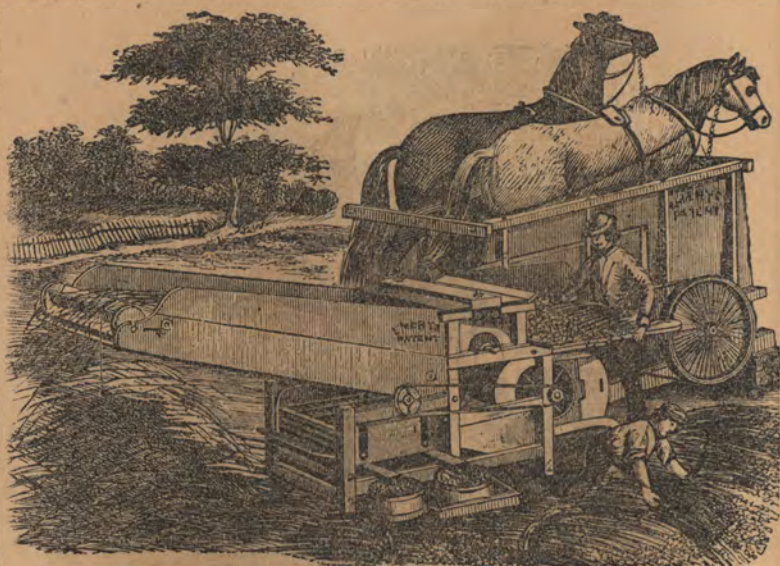


Fig. 66

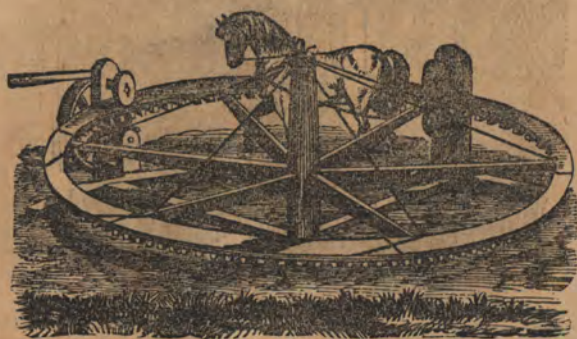


Fig. 67.

Fig. 66. Emery's Changeable
Horse Power Thresher and
Cleaner.

Fig. 67. Taplin's Horse Power.

*Fuerza motriz para dos caballos,
con maquina para trillar, sepa-
rar, y aventar.*

Fuerza motriz de caballo, de Taplin.



Fig. 68.

Fig. 68. Young America Corn
and Cob Crusher.

*Rompedor de mazorcas y tusas de
maiz, de Young America.*

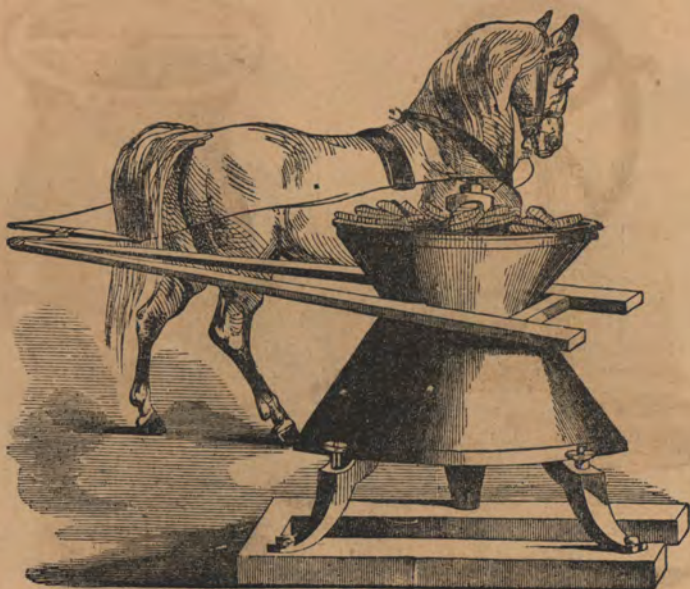


Fig. 69.

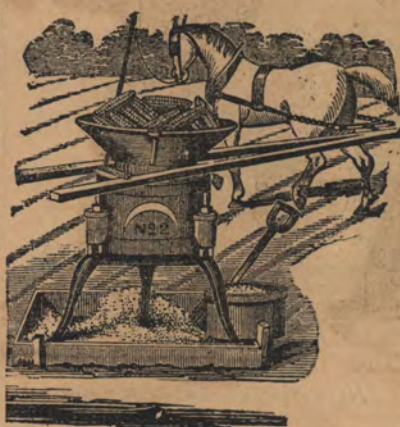


Fig. 70.

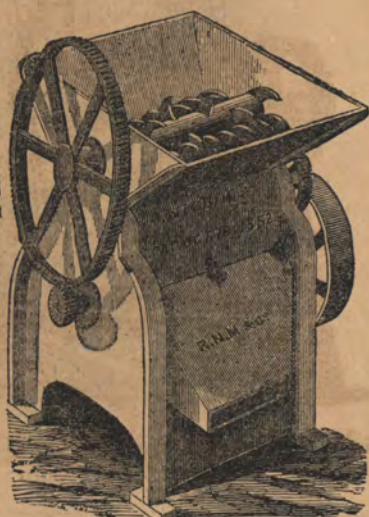


Fig. 71.

Fig. 69. Magic
Fig. 70. Little Giant
Fig. 71. Nichols's

} Corn and Cob
Crusher.

Rompedor de mazorcas y tuzas "Magic."
idem. *idem.* "Little Giant."
idem. *idem.* de Nichols.

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Fig. 73.

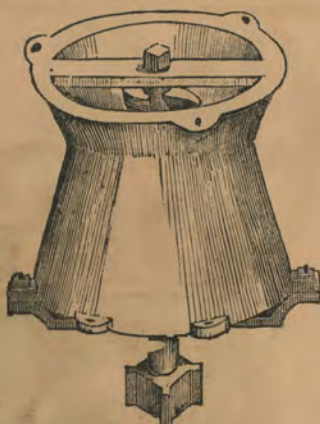


Fig. 72.



Fig. 74.



Fig. 75.



Fig. 76.

Fig. 72. Wheeler Corn and Cob Crusher.

Fig. 73. Hand Grain Mill.

Fig. 74. Hand and Horse Grain Mill.

Fig. 75. Coffee Mill.

Fig. 76. Paint Mill.

Rompedor de mazorkas y tusas de Wheeler.

Molino de mano para grano.

Molino de mano ó caballo para grano.

Molino para café.

Molino para moler pintura.

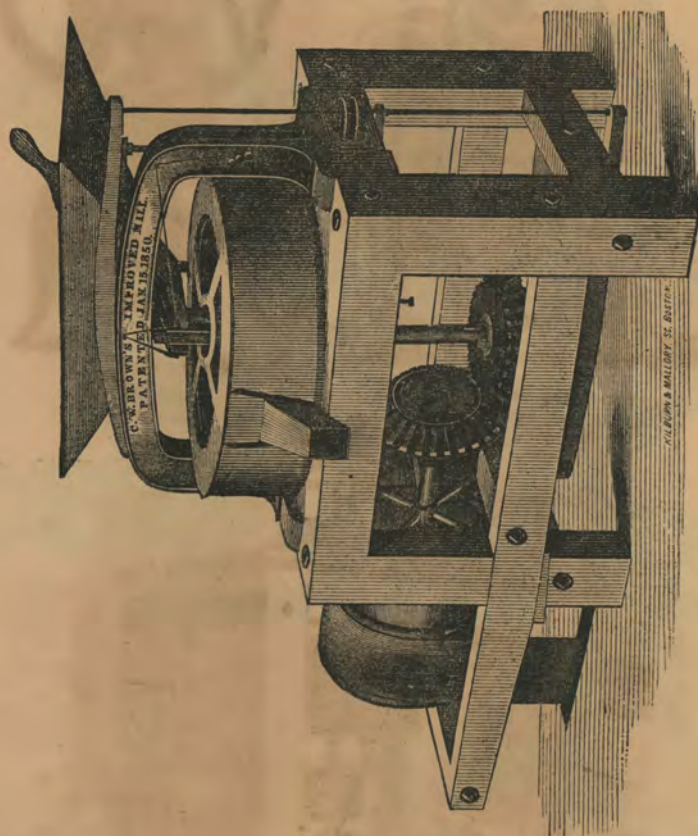


Fig. 77.

Fig. 77. Brown's Improved Patent Grist Mill.

*Molino para grano, perfeccionado
y con privilegio de Brown.*

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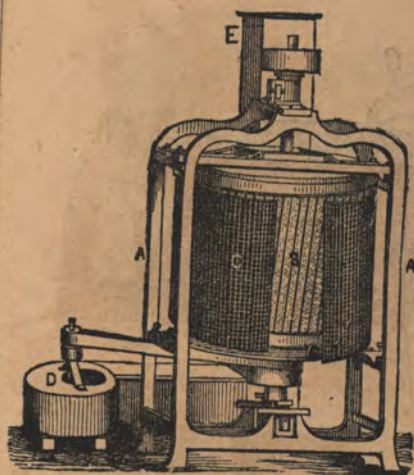


Fig. 78.

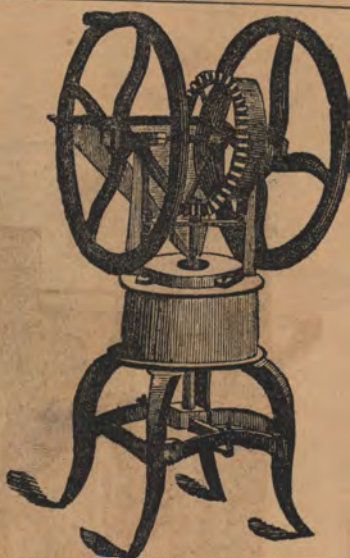


Fig. 79.

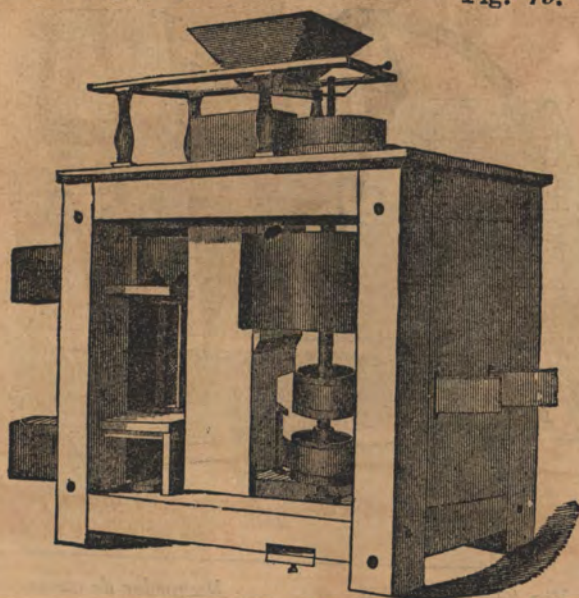


Fig. 80.

Fig. 78. Smut Machine and Fan.

Fig. 79. Rice and Coffee Huller.

Fig. 80. Rice Huller and Polisher.

Limpiador y ventilador para trigo.

Maquina para descascarar el arroz y el cafe.

Maquina para descascarar y pulir el arroz.

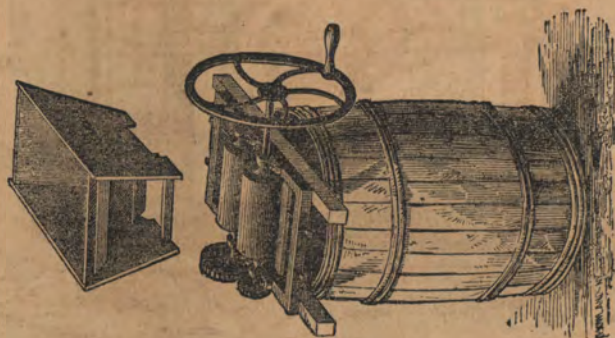


Fig. 81.

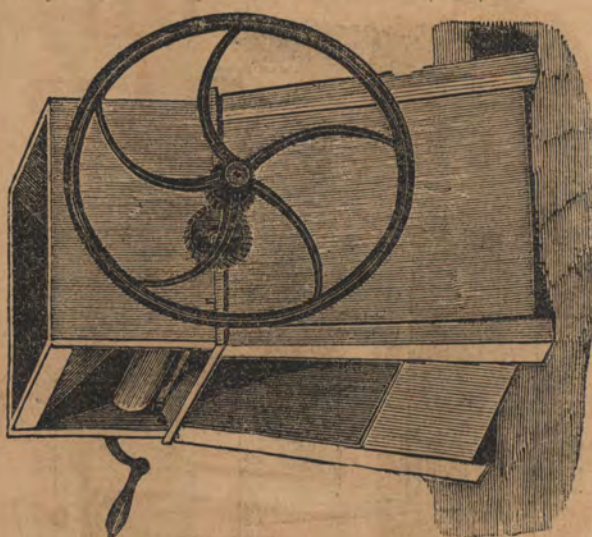


Fig. 82.

Fig. 81. Sugar Mill.

Fig. 82. Sugar Mill.

Rompedor de azucar.

Rompedor de azucar.

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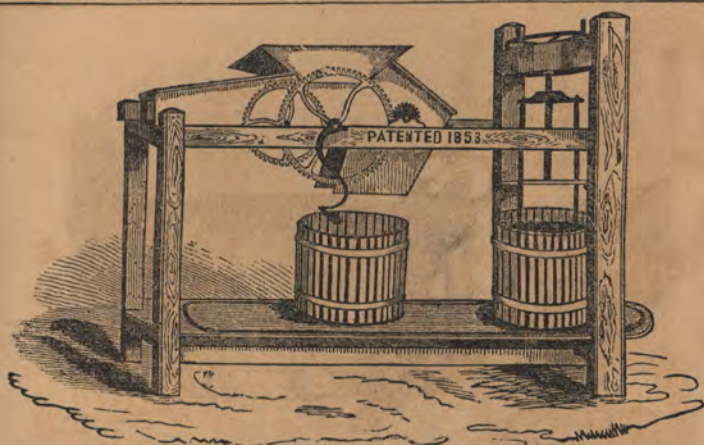


Fig. 83.



Fig. 84.

Fig. 83. Krauser's Cider Mill.
Fig. 84. Hickok's Cider Mill.

Molino para hacer sidra de Krauser.
Molino para hacer sidra de Hickok.

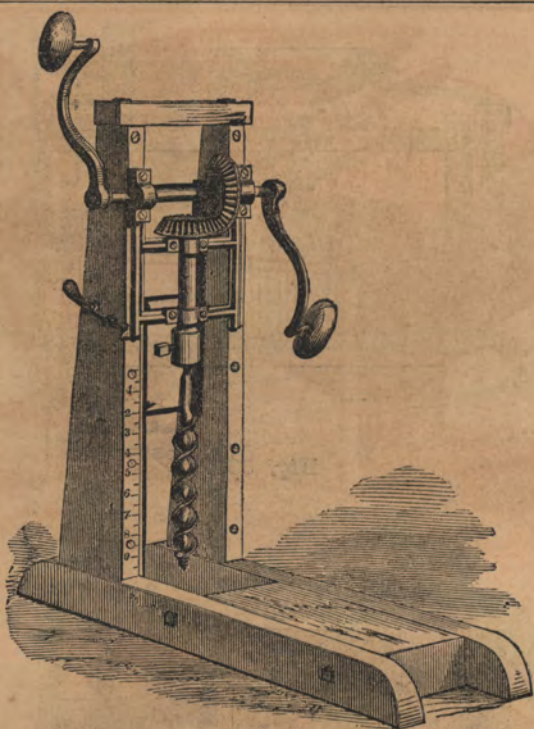


Fig. 85.

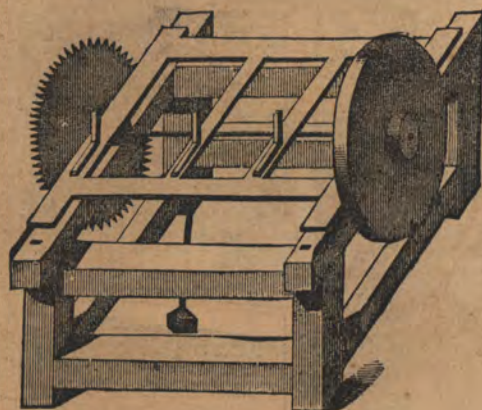


Fig. 86.

Fig. 85. Boring Machine.

Maquina de taladrar.

Fig. 86. Saw Mill.

Maquina para aserrar lena.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

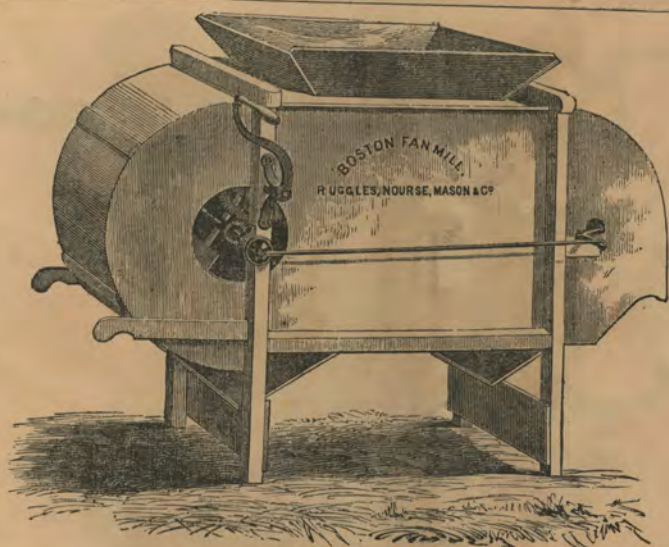


Fig. 87.

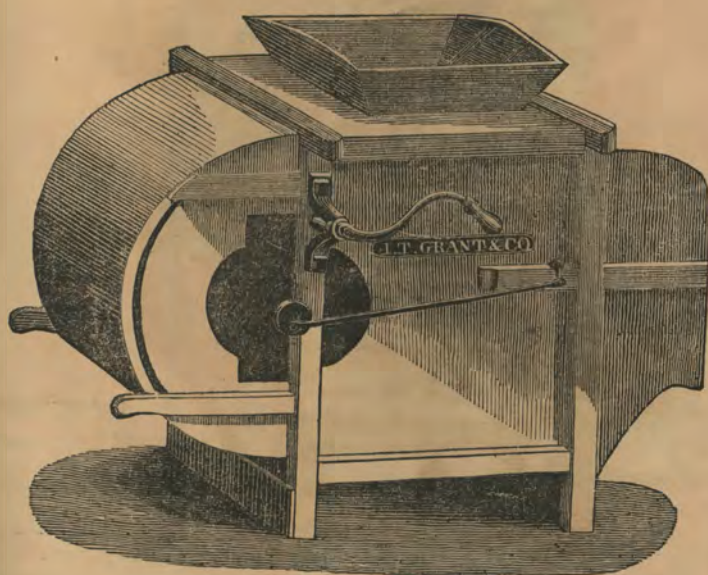


Fig. 88.

Fig. 87. Boston Fan Mill.
Fig. 88. Grant Fan Mill.

Molino aventador de Boston.
Molino aventador de Grant.

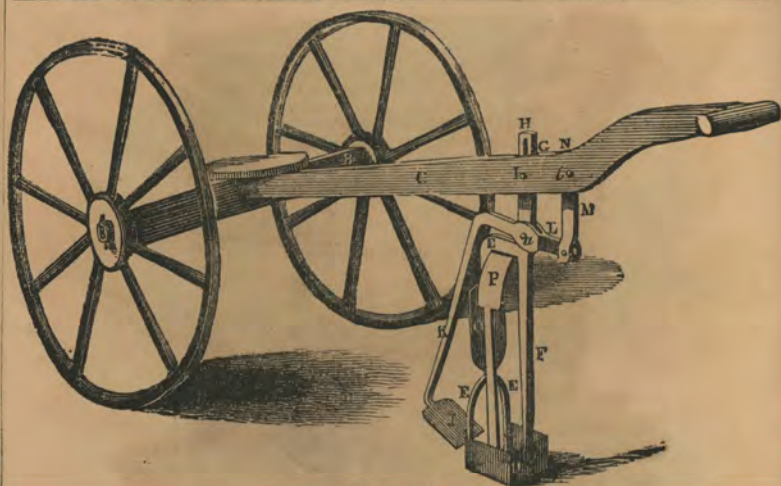


Fig. 89.

HORSE SHOE TILE.



SOLE TILE.

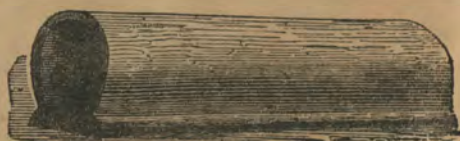


Fig. 90.



Fig. 91.



Fig. 92.

Fig. 89. Ditching Machine.

Fig. 90. Drain Tile.

Fig. 91. Wheelbarrow.

Fig. 92. Canal Barrow.

Maquina para abrir zanjias.

Tejas de barro para desaguar los terrenos húmedos.

Carretillas de una rueda.

Carretillas de una rueda.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 93.

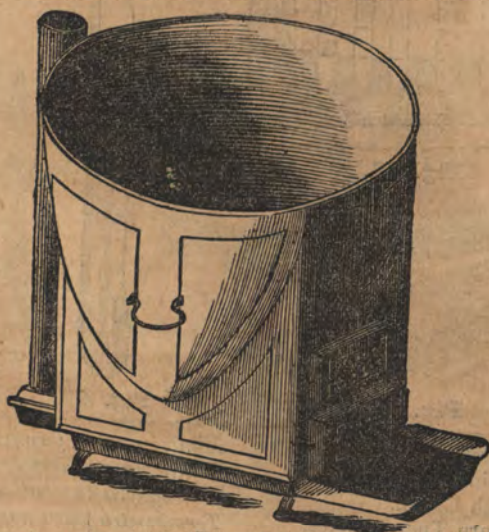


Fig. 94.

Fig. 93. Mott's Vegetable Boiler.

Fig. 94. McGregor's Vegetable Boiler.

Caldera de Mott para vegetales.

Caldera de McGregor para vegetales.



Fig. 95.



Fig. 96.

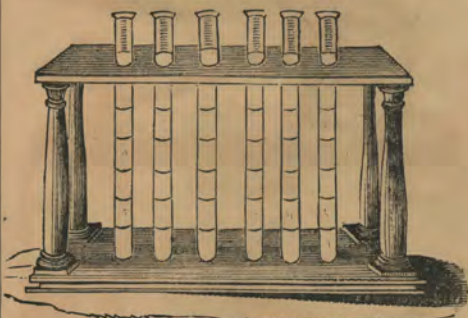


Fig. 99.

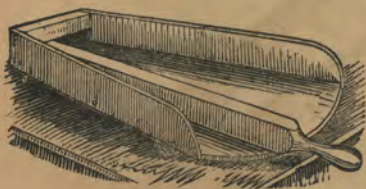


Fig. 100.



Fig. 98.



Fig. 97.

- Fig. 95. Thermometer Churn.
 Fig. 96. Cylinder Churn.
 Fig. 97. Dash Churn.
 Fig. 98. Churn Thermometer.
 Fig. 99. Lactometer.
 Fig. 100. Butter Worker.

- Mantequera de termómetro.*
Mantequera cilíndrica.
Mantequera con batidera común.
Termómetro para mantequera.
Lactómetro ó graduador de leche.
Maquina para estraer el suero ó
sazonar la manteca.

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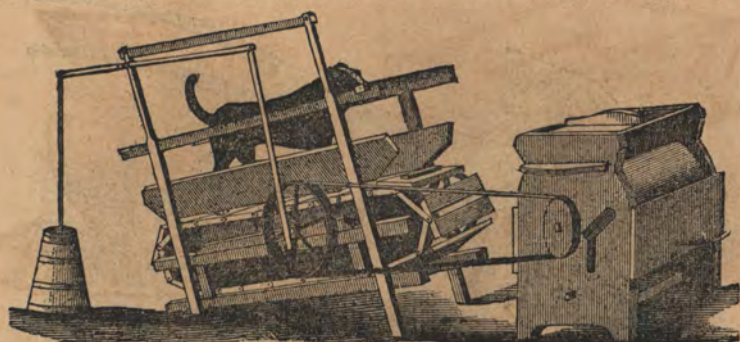


Fig. 101.

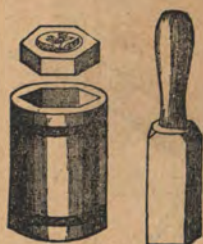


Fig. 102.

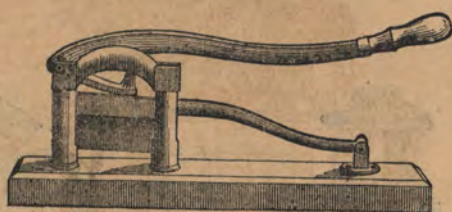


Fig. 103.

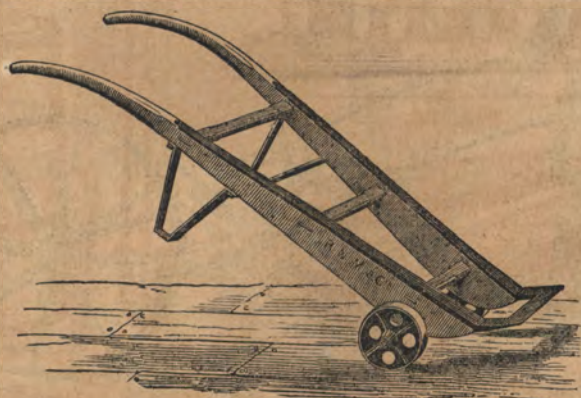


Fig. 104.

Fig. 101. Dog Power.

Fuerza motriz de perro.

Fig. 102. Butter Mould.

Moldes para manteca.

Fig. 103. Tobacco Cutter.

Cuchillas para cortar tabaco.

Fig. 104. Store Truck.

Carretilla de mano.

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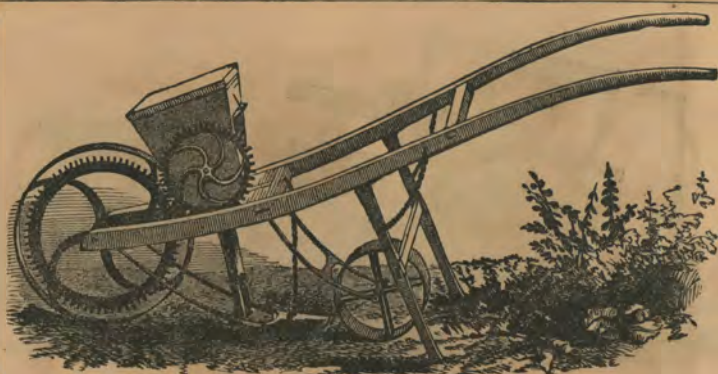


Fig. 105.

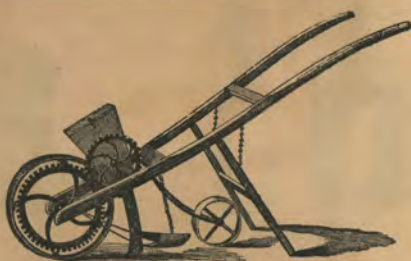


Fig. 106.

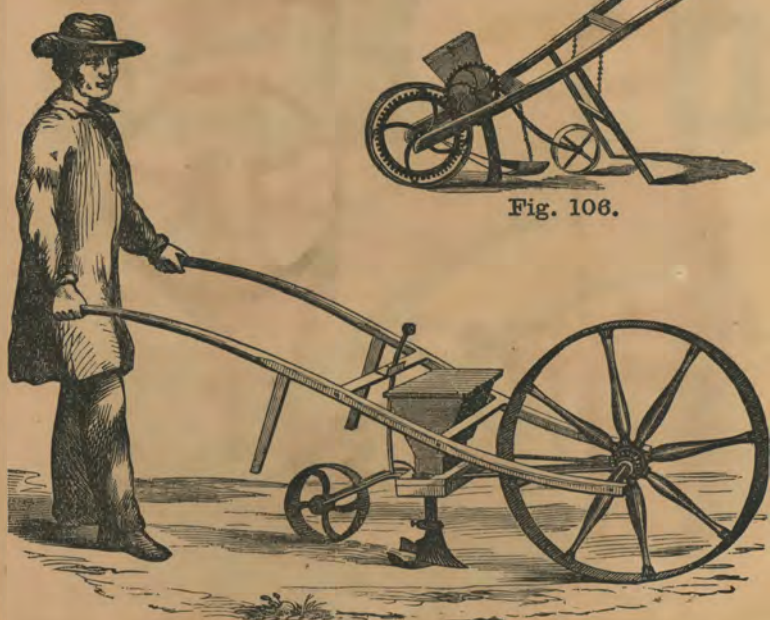


Fig. 107.

Fig. 105. Seed Sower No. 2.

Sembrador No. 2.

Fig. 106. Seed Sower No. 1.

Sembrador No. 1.

Fig. 107. Howe's Eagle Seed Sower.

Sembrador de aguila de Howe.

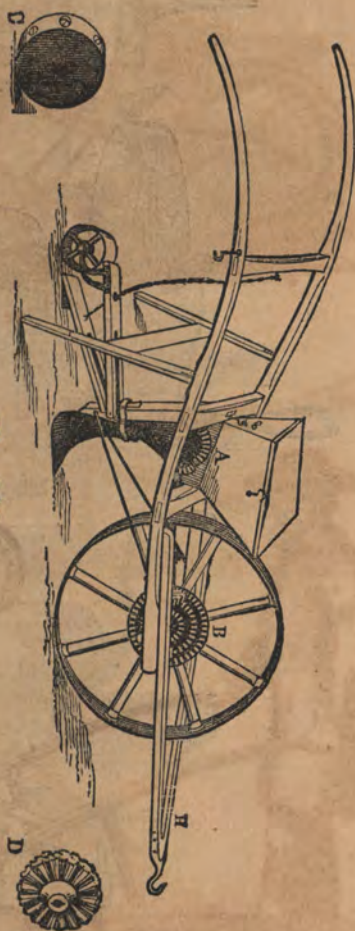


Fig. 108.

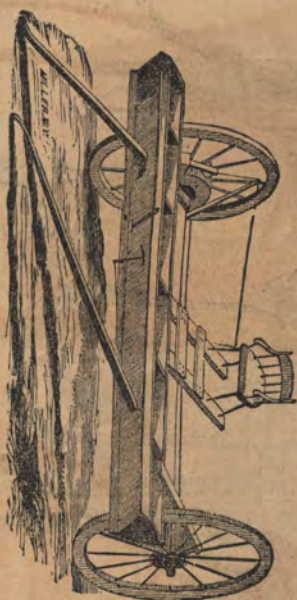


Fig. 109.



Fig. 110.

Fig. 108. Emery's Seed Sower.
Fig. 109. Broadcast Seed Sower.
Fig. 110. Broadcast Seed Sower.

Sembrador de Emery.
Maquina de sembrar en imitacion
de la mano.
Maquina de sembrar en imitacion
de la mano.

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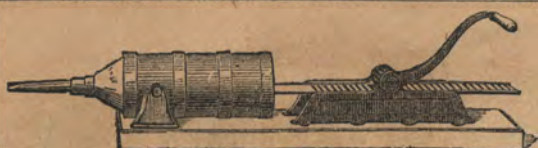


Fig. 111.

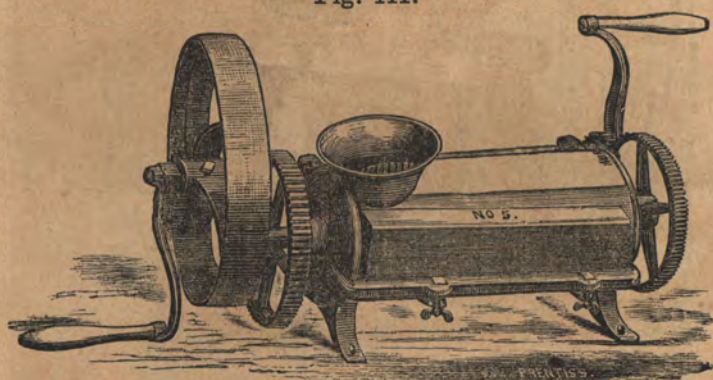


Fig. 112.



Fig. 113.



Fig. 114.

Fig. 111. Sausage Stuffer.

Fig. 112. Double Geared Butcher's Meat Cutter.

Fig. 113. Butcher's Meat Cutter.

Fig. 114. Family Meat Cutter.

Maquina para hacer embuchados.

Maquina con accion doble, para preparar embuchados.

Maquina para preparar embuchados.

Maquina chicas para preparar embuchados, para el uso de familias.

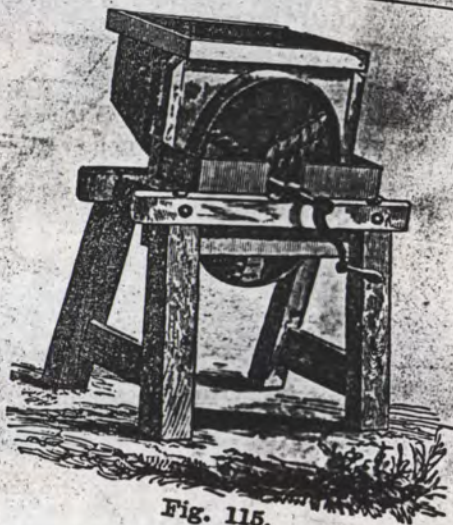


Fig. 115.



Fig. 116.



Fig. 117.

Fig. 115. Vegetable Cutter.
Fig. 116. Cotton Scraper.
Fig. 117. Cotton Sweep.

*Cortador para vegetales.
Cultivador para algodonales.
Rascador para algodonales.*

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

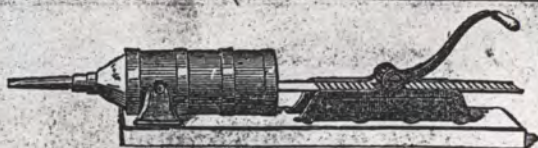


Fig. 111.

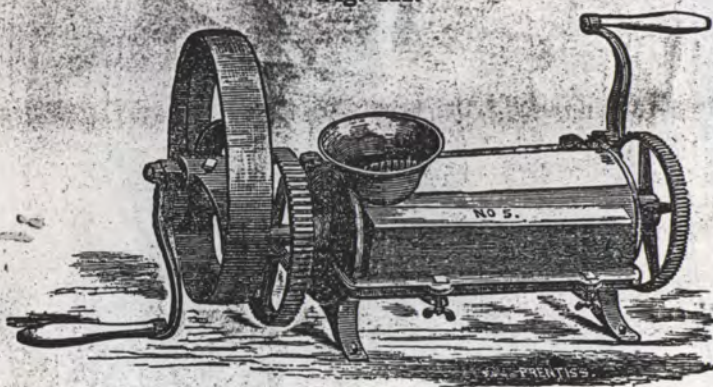


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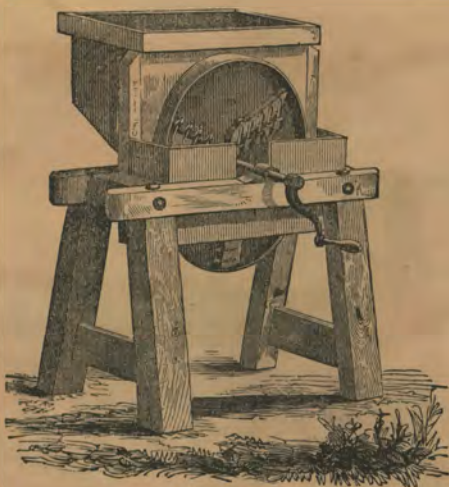


Fig. 115.

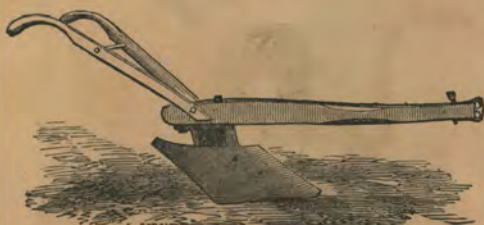


Fig. 116.



Fig. 117.

Fig. 115. Vegetable Cutter.

Fig. 116. Cotton Scraper.

Fig. 117. Cotton Sweep.

Cortador para vegetales.

Cultivador para algodonales.

Rascador para algodonales.

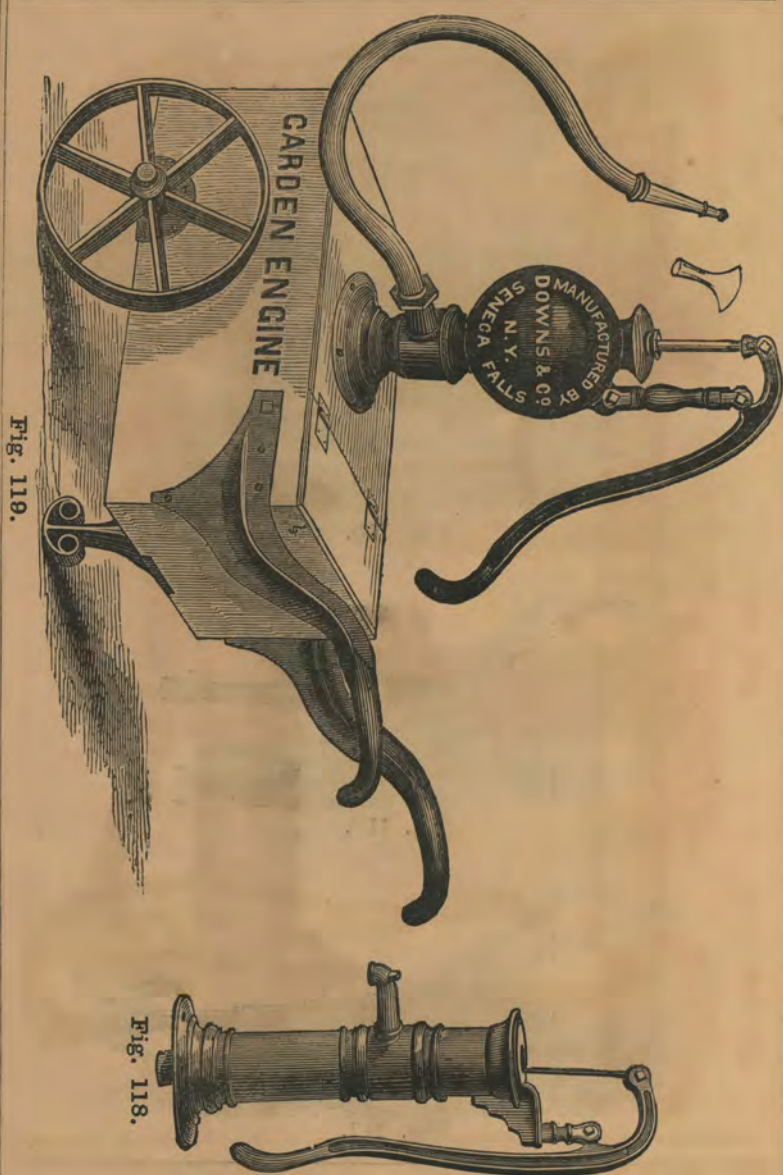


Fig. 119. Garden Engine.
Fig. 118. Cistern Pump.

*Bomba para jardines ó huertas.
Bombas para aljibes.*

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Fig. 120.



Fig. 121.

Fig. 120. Well Pump.

Fig. 121. Molasses or Hot Water Pump.

Bomba para pozos.

Bomba para miel de caña ó agua caliente.

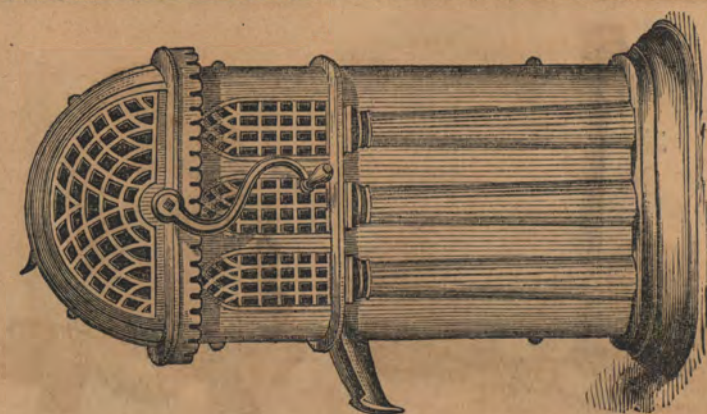


Fig. 124.

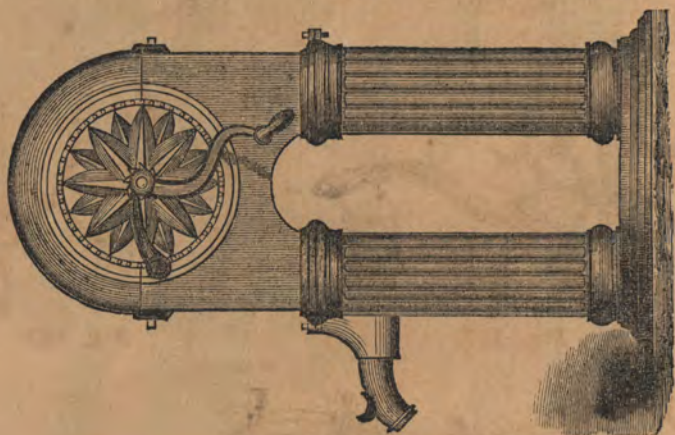


Fig. 123.



Fig. 122.

- | | |
|-----------------------|--|
| Fig. 122. Force Pump. | <i>Bomba de presion.</i> |
| Fig. 123. Well Curb. | } { <i>Cubierta de hierro fundido para pozo.</i> |
| Fig. 124. Well Curb. | |

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 125.

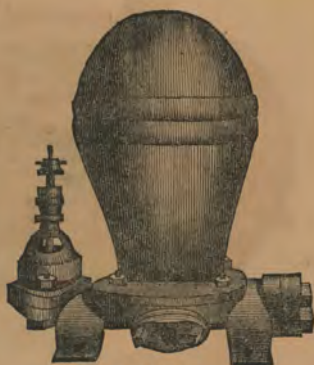


Fig. 126.



Fig. 127.



Fig. 129.

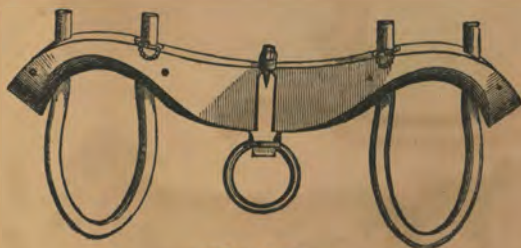


Fig. 128.



Fig. 130.

- Fig. 125. Hydraulic Ram.
 Fig. 126. Hydraulic Ram.
 Fig. 127. Chain Pump Fixtures.
 Fig. 128. Ox Yoke.
 Fig. 129. Cattle Ties.
 Fig. 130. Cattle Tie

- Bomba Hydraulica.*
Bomba Hydraulica.
Cigüeñas para bombas de cadena.
Yugo para bueyes.
Cabestros.
Cabestros.



Fig. 131.



Fig. 132.

Fig. 131. Delano's Independent
Horse Rake.

Rastro de caballo de Delano.

Fig. 132. Grass Sneath.

Mangos para guadañas.



Fig. 133.



Fig. 134.



Fig. 135.



Fig. 136.

Fig. 133. Hand Hay Rake.

Rastro de mano.

Fig. 134. Loafer Hay Rake.

Rastro de mano.

Fig. 135. Revolving Horse Hay Rake.

Rastro de vuelta para un caballo.

Fig. 136. Wire Spring-Tooth Horse Hay Rake.

Rastro para caballo con dientes de alambre de acero.



Fig. 137.



Fig. 138.

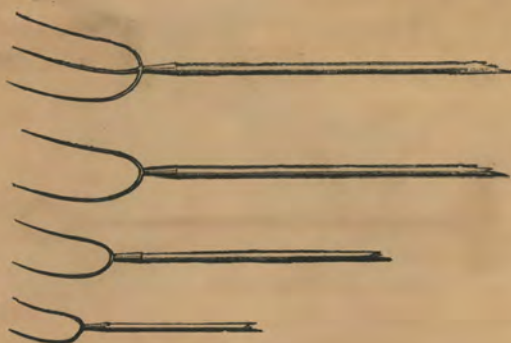


Fig. 139.

Fig. 137. Grain and Bush Scythes

Fig. 138. Grass Scythes.

Fig. 139. Hay Forks.

Guadañas.

Guadañas para yerba.

Horquilla para heno.

NOURSE & CO.'S ILLUSTRATED CATALOGUE

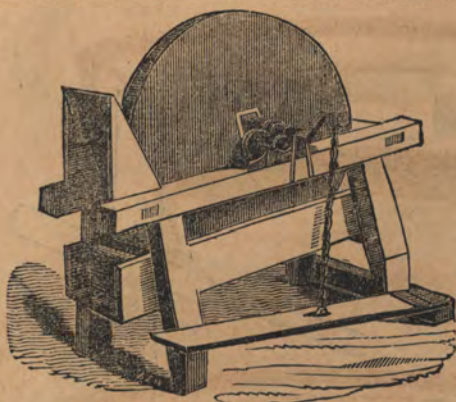


Fig. 140.



Fig. 141.

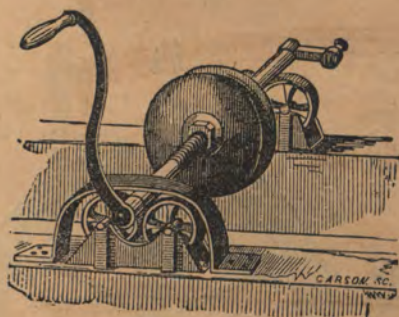


Fig. 142.



Fig. 143.



Fig. 144.

Fig. 140. Grindstone mounted.

*Piedras de vuelta montado en ar-
mazon de madera.*

Fig. 141. Bow Pin.

Llave para los horcates.

Fig. 142. Grindstone Fixtures.

Cigueñas, con sus rodillos.

Fig. 143. Garden Vase.

Vasos de jardin.

Fig. 144. Branding Iron.

Hierro para marcar.

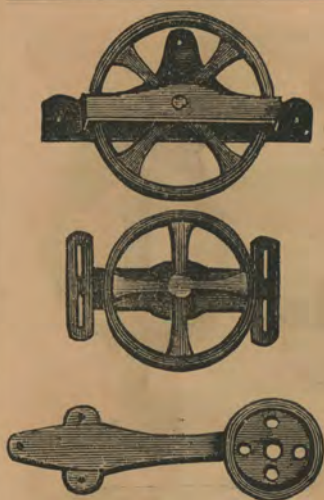


Fig. 145.



Fig. 146.



Fig. 147.



Fig. 148.

Fig. 145. Barn Door Rollers.

Fig. 146. Wheel Jack.

Fig. 147. Water Pot.

Fig. 148. Well Wheel.

Ruedas para las puertas de los graneros.

Gatos para elevar las ruedas de carruages, &c.

Regadera.

Rueda de pozo.

NOURSE & CO.'S ILLUSTRATED CATALOGUE



Fig. 149.



Fig. 150.



Fig. 152.



Fig. 151.



Fig. 153.



Fig. 154.

Figs. 149 and 150. Bill Hooks.

Fig. 151. Brush Hook.

Fig. 152. Sugar Cane Knife.

Fig. 153. Post Auger.

Fig. 154. Floor Scraper.

Podaderas para zarzas.

Podadera para malezas.

Cuchillo para cortar la caña.

Barrena para abrir hoyos en los terrenos.

Rascador para suelos.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 155.



Fig. 156.



Fig. 157.



Fig. 158.



Fig. 159.



Fig. 160.



Fig. 161.



Fig. 162.

Fig. 155. Hoe.

Fig. 156. Planter's Hoe.

Fig. 157. Bog Hoe.

Fig. 158. Potato Digger.

Fig. 159. Root Puller.

Fig. 160. Hay Knife.

Fig. 161. Well Bucket.

Fig. 162. Water Filter.

Azada.

Azadon.

Azada para tierra.

Rastro para recoger las papas, &c.

Escarda.

Cuchillo para heno.

Cubo reforzada para pozo.

Filtrador de agua.

NOURSE & CO.'S ILLUSTRATED CATALOGUE



Fig. 163.



Fig. 164.



Fig. 165.



Fig. 166.



Fig. 167.



Fig. 168.

Fig. 163. Square point Shovel.

Pala con punta cuadrada.

Fig. 164. Round point Shovel.

Pala con punta redonda.

Fig. 165. Spade.

Pala de tierra.

Fig. 166. Grain Scoop.

Pala para granos.

Fig. 167. Kimball's Patent Shovel.

Pala perfeccionada de Kimball.

Fig. 168. Road Scraper.

Escavador para hacer caminos.



Fig. 169.



Fig. 170.



Fig. 171.



Fig. 172.



Fig. 173.

Fig. 169. Handled Pick.

Fig. 170. Pick Bog Hoe.

Fig. 171. Axe Bog Hoe.

Fig. 172. Manure Forks.

Fig. 173. Garden Reel.

Pico con mango.

Azada para tierra con pico.

Azada con punta de hacha.

Horquillas para abonos.

Argadillo para el jardín.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

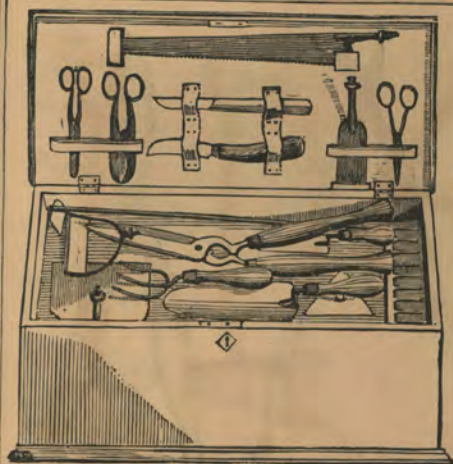


Fig. 174.



Fig. 175.



Fig. 176.



Fig. 177.



Fig. 178.



Fig. 179.



Fig. 180.



Fig. 183.



Fig. 182.



Fig. 181.

- | | |
|-------------------------------------|--|
| Fig. 174. Horticultural Tool Chest. | <i>Caja de instrumentos de horticultura.</i> |
| Fig. 175. Weeding Fork. | <i>Horquilla de escardar.</i> |
| Fig. 176. Strawberry Fork. | <i>Horquilla de escardar.</i> |
| Fig. 177. Transplanting Trowel. | <i>Llana de jardin.</i> |
| Fig. 178. Weeding Trowel. | <i>Llana de escardar.</i> |
| Fig. 179. Tree Scraper. | <i>Rascador para arboles.</i> |
| Fig. 180. Garden Syringe. | <i>Jeringa para jardines.</i> |
| Fig. 181. Edging Knife. | <i>Cuchillo para despuntar.</i> |
| Fig. 182. Grass Hook. | <i>Gancho de guadanar.</i> |
| Fig. 183. Tree Label. | <i>Esquelas para arboles.</i> |



Fig. 184.



Fig. 185.



Fig. 186.



Fig. 189.



Fig. 188.



Fig. 190.



Fig. 187.

Fig. 184. Sliding Pruning Shears.

Fig. 185. Branch Shears.

Fig. 186. Grass Shears.

Fig. 187. Grass Shears, with
Pruning Notch.

Fig. 188. Border Shears.

Fig. 189. Ladies' Pruning Shears.

Fig. 190. Pruning Saw.

Podaderas de muelle y centro movable.

Podaderas de tijera.

Podaderas de jardín ó huerta.

Podaderas de jardín ó huerta.

Podaderas para dispuntar la yerba.

Podaderas de señoras.

Sierra para podar.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 191.



Fig. 192.



Fig. 193.



Fig. 194.



Fig. 195.



Fig. 196.



Fig. 197.



Fig. 198.



Fig. 199.



Fig. 200.

Fig. 191. Flower Gatherer.

Fig. 192. Vine Scissors.

Fig. 193. French Pruning Shears.

Fig. 194. Sliding Pruning Shears.

Fig. 195. Sliding Pruning Shears.

Fig. 196. Pruning Scissors.

Fig. 197. Pruning Saw and Chisel.

Fig. 198. Fruit Gatherers.

Fig. 199. Fruit Gatherers.

Fig. 200. Avarancator.

Tijera para flores.

Podadera comunes.

Podadera de France.

Podadera de muelle y centro movable.

Podadera de muelle y centro movable.

Tijera de podar.

Sierra y escoplo para podar.

Cogedore de la fruta.

Cogedore de la fruta.

Podadera con vara larga.

NOURSE & CO.'S ILLUSTRATED CATALOGUE



Fig. 201.



Fig. 203.



Fig. 202.

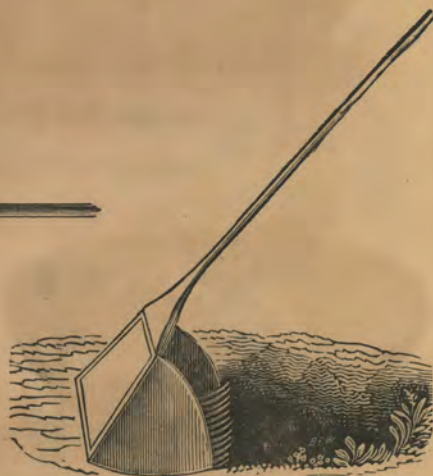


Fig. 204.



Fig. 205.



Fig. 207.

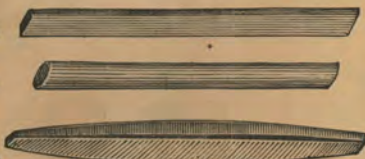


Fig. 206.

- Fig. 201. Garden Rake.
 Fig. 202. Hoe Rake.
 Fig. 203. Grass Lawn Rake.
 Fig. 204. Cranberry Rake.
 Fig. 205. Floral Hoe Rake.
 Fig. 206. Scythe Stones.
 Fig. 207. Scythe Rifles.

- Rastro para huertas ó jardines.*
Rastro con azadon.
Rastro para el prado.
Rastro para arandanos.
Rastro y azadon para el jardín.
Piedras para guadañas.
Afiladores de esmeril.

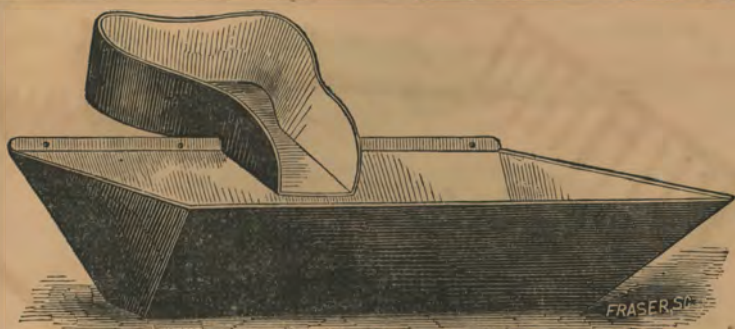


Fig. 208.



Fig. 209.



Fig. 210.



Fig. 211.



Fig. 213.



Fig. 212.

- | | | |
|-------------------------|---|--|
| Fig. 208. Pig's Trough. | } | <i>Vasijas de hierro para poner en las zahurdas.</i> |
| Fig. 209. " " | | |
| Fig. 210. Hames. | | <i>Horcates.</i> |
| Fig. 211. Whiffletrees. | | |
| Fig. 212. Bull Rings. | | <i>Anillos para toros.</i> |
| Fig. 213. Ox Balls. | | <i>Bolas para bueyes.</i> |



Fig. 214.

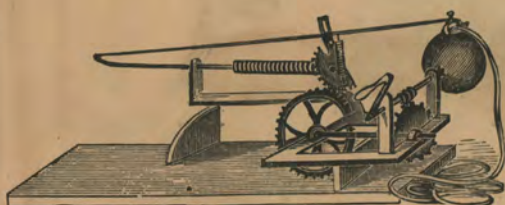


Fig. 215.



Fig. 216.



Fig. 217.

Fig. 214. Pruning and Budding Knives.

Fig. 215. Apple Parer.

Fig. 216. Scuffle Hoe.

Fig. 217. Horse Post.

Cuchillos para podar e ingertar.

Maquina para descortezar las manzanas.

Azada.

Postes para atar caballos.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 218.



Fig. 221.



Fig. 219.



Fig. 220.



Fig. 222.

Fig. 218. Coe's Screw Wrenches.

Llaves patente de Coé.

Fig. 219. Hotchkiss' Adjustable Screw Wrenches.

Llaves patente de Hotchkiss.

Fig. 220. Hotchkiss' Adjustable Screw Wrenches.

Llaves patente de Hotchkiss.

Fig. 221. Reed's Jack Screws.

Gatos de Reed.

Fig. 222. Post Spoon.

Cuchara de tierra.



Fig. 223.



Fig. 224.

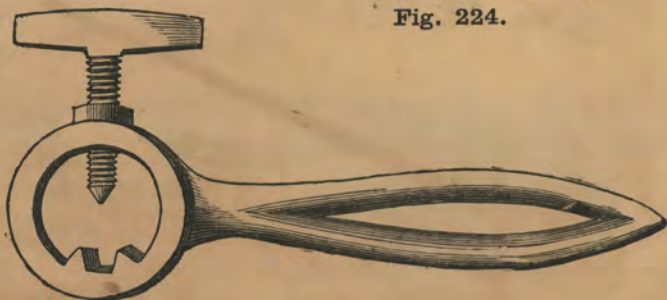


Fig. 225.

Fig. 223. Assorted Handles.
 Fig. 224. Grafting Chisel.
 Fig. 225. Ox Ball Wrench.

Mangos para los varios instrumentos.
Escoplo para ingerta.
Llave.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 226.



Fig. 227.



Fig. 228.

Fig. 226. Vane.

Fig. 227. Folding Ladder.

Fig. 228. Wheel Hoe.

Veleta.

Escala de cerrar.

Azada con rueda.



Fig. 229.



Fig. 230.



Fig. 231.



Fig. 232.



Fig. 233.



Fig. 234.

Fig. 229. Fountain.

Fig. 230. Fountain.

Fig. 231. Fountain.

Fig. 232. Garden Settee.

Fig. 233. Garden Settee.

Fig. 234. Garden Chair.

Fuente de hierro fundido.

Fuente de hierro fundido.

Fuente de hierro fundido.

Canapé de hierro para jardines.

Canapé de hierro para jardines.

Silla de hierro para jardines.

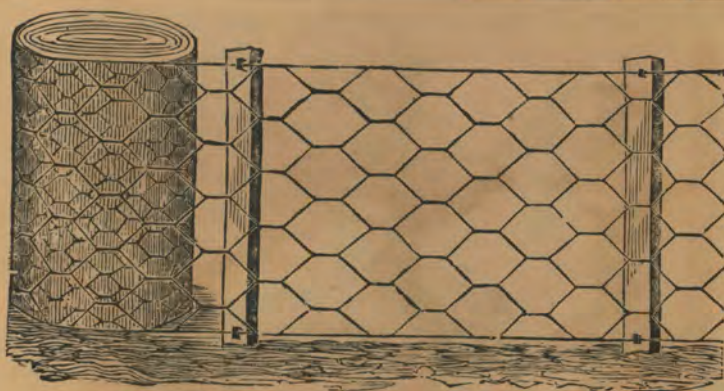


Fig. 235.

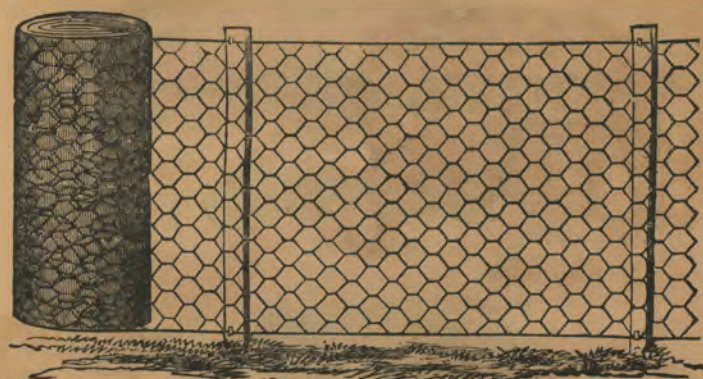


Fig. 236.

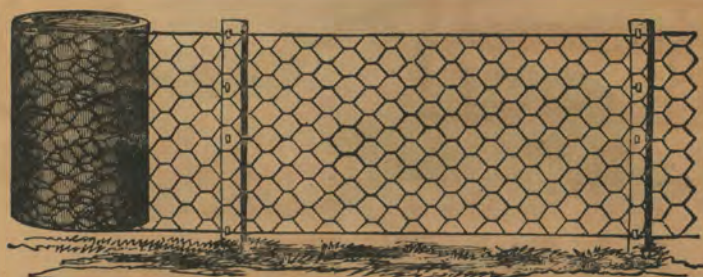


Fig. 237.

Figs. 235, 236, 237. Wire Fence.

Cercas de alambre.

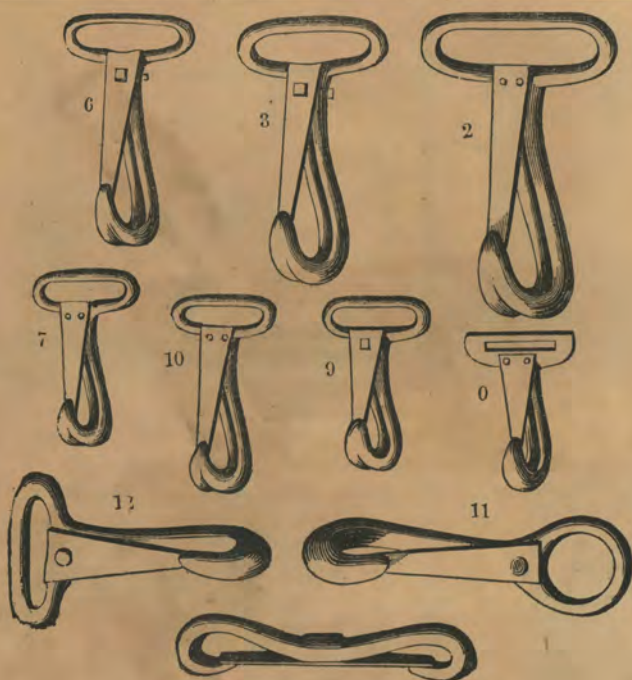


Fig. 238.



Fig. 239.

Fig. 238. Rein and Halter Snaps.

Resortes de sogá.

Fig. 239. Rat and Game Trap.

Trampas para coger los ratones, &c.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 240.

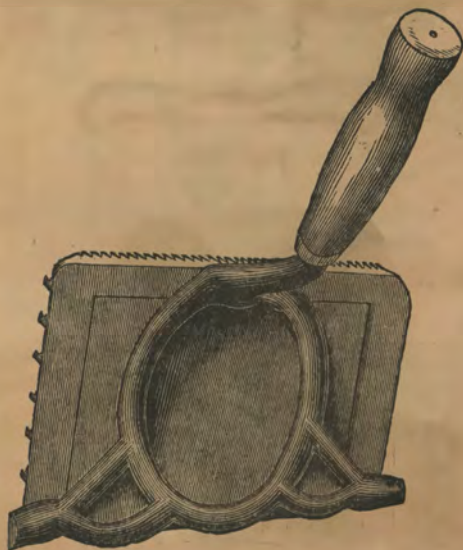


Fig. 241.

Fig. 240. Open Back Curry Comb.

Rasqueta para caballos.

Fig. 241. Close “ “ “

Rasqueta para caballos.

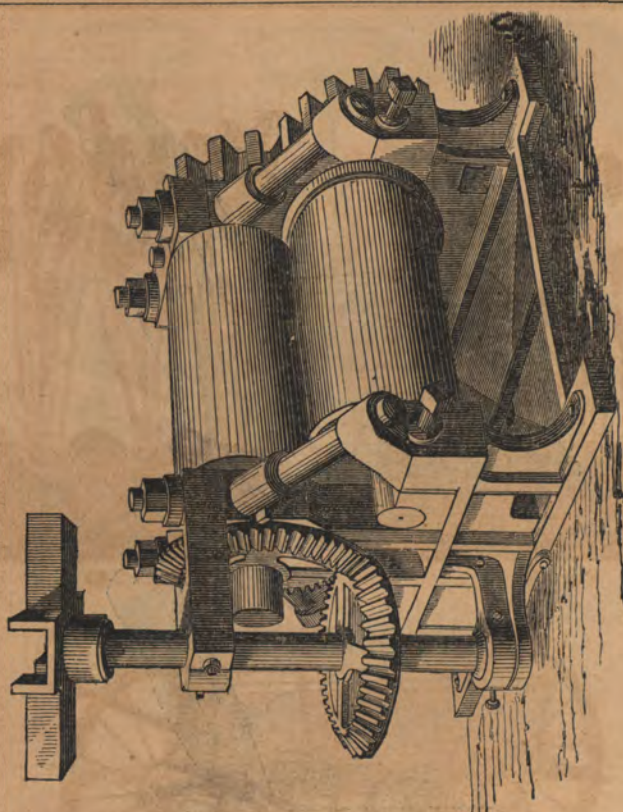


Fig. 242.

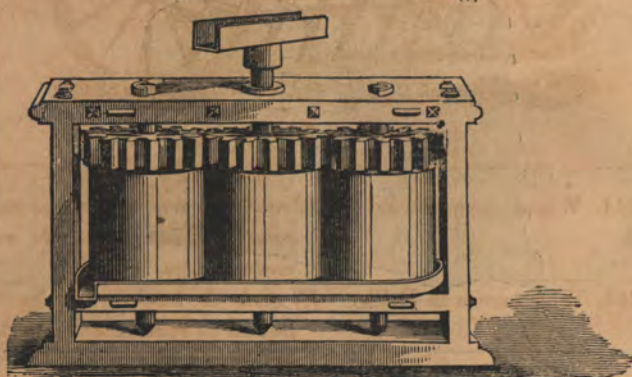


Fig. 243.

Fig. 242. Horizontal Sugar Cane Crusher.
Fig. 243. Vertical Sugar Cane Crusher.

Trapiche horizontal.
Trapiche vertical.



Fig. 244.



Fig. 245.



Fig. 246.

Fig. 244. Wheat sown Broad-
cast.

*El modo de sembrar con la mano en
contraposicion á hacerlo con los
instrumentos.*

Fig. 245. Wheat sown in Drills.

*El modo de sembrar con los instru-
mentos en contraposicion á hacerlo
con la mano.*

Fig. 246. Wheat Drill.

Sembrador de grano.



Fig. 247.

Fig. 247. Willis's Patent Stump Puller.

Maquina para desarraigar los troncos, con privilegio esclusivo, de Willis.

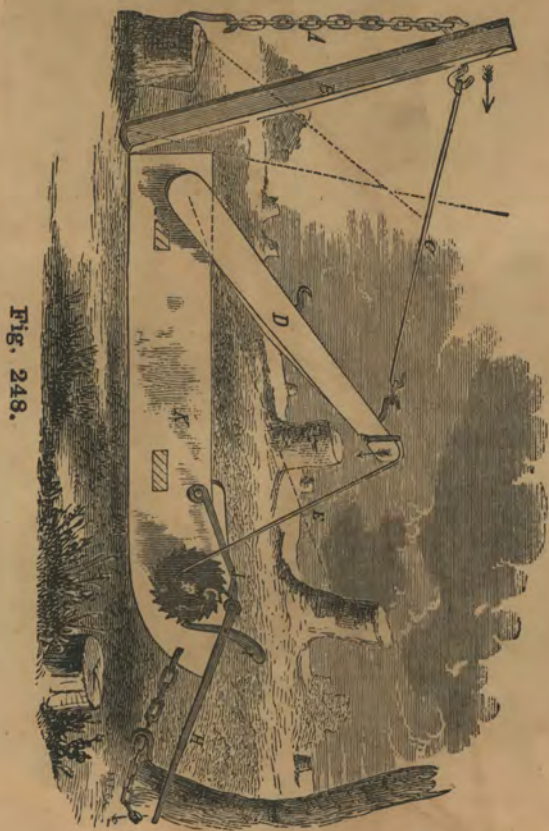


Fig. 248.

Fig. 248. Ruggles' Patent Stump Puller.

Maquina para desarraigar los troncos, con privilegio exclusivo, de Ruggles.



Fig. 249.

Fig. 249. Fay's Hand Hay Press.

*Prensa de mano para heno, &c.,
patente de Fay.*



Fig. 250.

Fig. 250. Deering's Parallel Lever Hay Press.

*Prensa de fuerza para heno, &c.,
patente de Deering.*

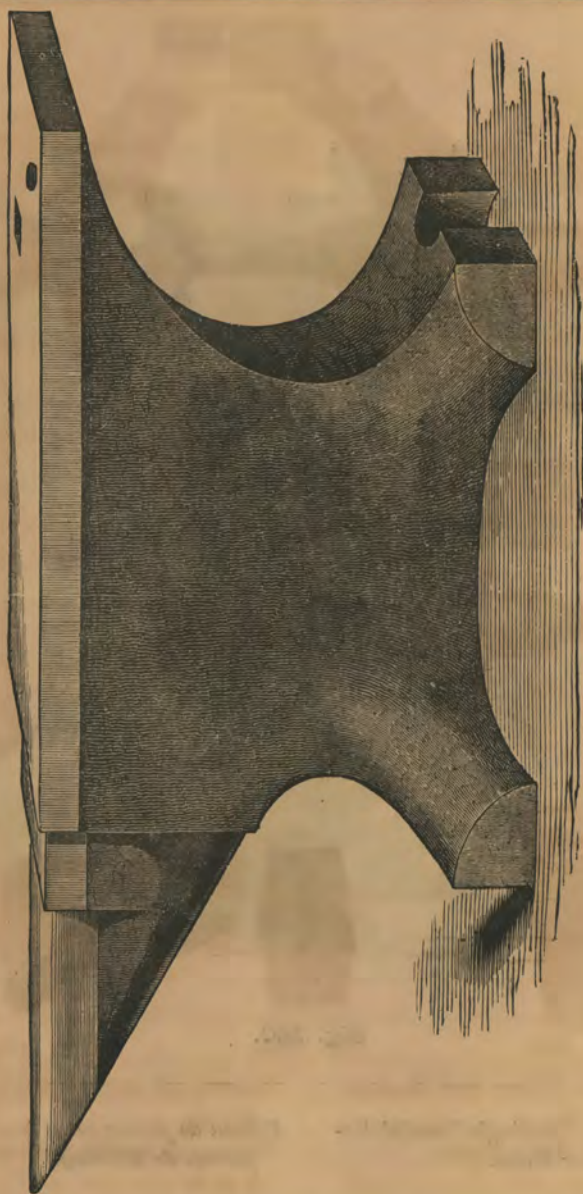


Fig. 251.

Fig. 251. Fisher & Norris's Eagle
Anvils.

*Yunques de aguila de Fisher y
Norris.*

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.

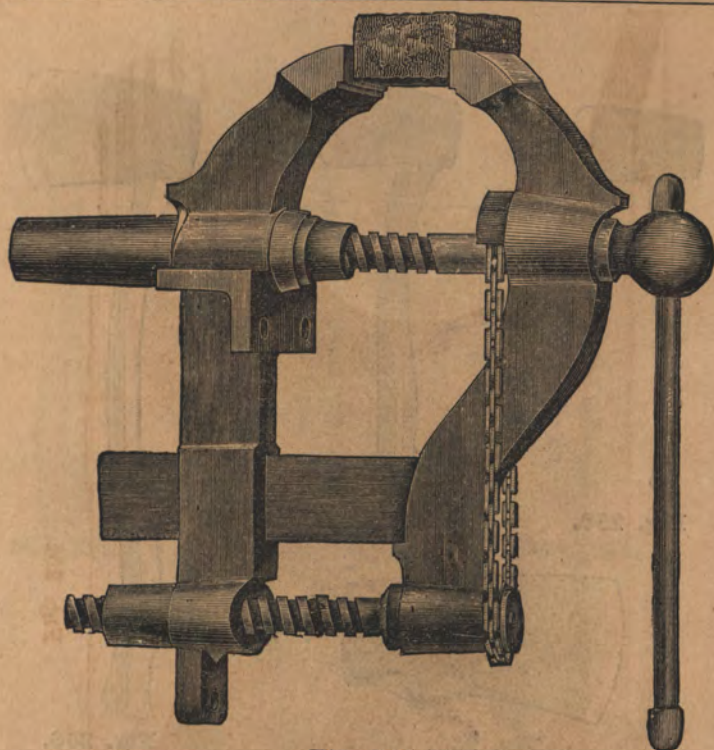


Fig. 252.



Fig. 253.



Fig. 254.



Fig. 255.

Fig. 252. Fisher and Norris's Chain Vises.

Fig. 253. Eagle Stake.

Fig. 254. Double Face Stone Hammer.

Fig. 255. Pean Stone Hammer.

Tornillos de cadena de Fisher y Norris.

Yunques de aguilas para toneleros y otros.

Martillo doble para albaniles.

Martillo para albaniles.



Fig. 256.



Fig. 257.



Fig. 258.

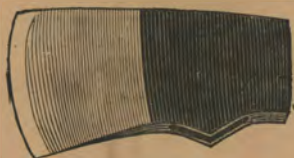


Fig. 259.

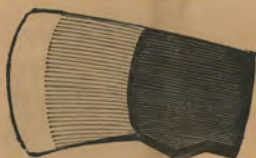


Fig. 260.



Fig. 261.

Fig. 256. Boy's Handled Axe.

Fig. 257. Hand Axe.

Fig. 258. Handled Axe.

Fig. 259. Spanish Axe.

Fig. 260. Kentucky Axe.

Fig. 261. New England Axe.

Hacha chica para muchachos.

Hachuela.

Hacha con mango.

Hacha patente de España.

Hacha patente de Kentucky.

Hacha patente de New England.

OF AGRICULTURAL AND HORTICULTURAL IMPLEMENTS.



Fig. 262.



Fig. 263.



Fig. 264.



Fig. 265.



Fig. 266.

- Fig. 262. Broad Hatchet.
 Fig. 263. Claw Hatchet.
 Fig. 264. Shingling Hatchet.
 Fig. 265. Nail Hammer.
 Fig. 266. Adze Eye Hammer.

Hachuela.
Hachuela de uña.
Hachuela con martillo.
Martillo.
Martillo.

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95
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Mead