Government, an account, however, being kept for the remuneration of the patentee. The power of the Crown has reference only to the granting of a privilege, and not to any right in the invention, having no knowledge of it, and it was very different from those grants where there was some prerogative right, or a presumed prerogative right, possessed by the Crown, such as a grant of a fair or market and franchises of that character. After referring to the several authorities quoted by the learned Attorney General, he said:-
"If the case is to be de ermined with respect to considerations of public policy, how can any officer of the State rise up in his place and say it is public policy, in all cases of munitions and implements of war, to drive every inventor to foreign countries, because the inevitable result, if their lordships' judgment should be in favor of the Crown, will be to do that."

Mr. Bovill hit the nail square on the head; and we do not see how any sensible man can adopt any other view of the matter. The Lord Chief Justice, however, intimated that judgment in the case would be rendered in favor of the Crown, on the maxim, we suppose, that " the king can do no wrong."

## RECENT AMERICAN PATENTS.

The following are some ot the mostimportait improvements for which Letters Patent were issued from the United States Patent Office last week; the claims may be found in the official list :-

Grain and Grass Harvester.-This invention relates to an improved sickle-driving mechanism, whereby a requisite speed may be obtained by a very compact arrangement of parts. The invention also relates to a novel manner of applying the seat to the machine whereby the weight of the driver is made to act in the most favorable manner towards balancing the machine and in assisting in elevating the finger bar. The invention als, relates to a lever applicd and arranged in such a mauner, relatively with the draught pole, as to cause the outer end of the finger bar to be elevated when the inner end of the same has been elevated a certain hight. The invention also relates to a new and improved shoe arrangerl and applied in such a manner as to support the front part of the machine and partially sustain the finger bar so that it will run lightly over the surface of the ground, and at the same time serve to protect the pitman which drives the sickle. The invention further relates to a novel manuer of attaching the finger bar to the main frame of the machine, whereby a strong and durable joint connection is obtained. Frederick Nishwitz, of Brooklyn, N. Y., is the inventor.
Arrow Projectile.-This invention consists in the application to a projectile of a telescope stem provided with wings in such a manner that when the projectile is prepared for use said stem can be contracted within the limits of the cartinge bag, but when the charge is fired, and as soon as the projectile leaves the muzzle of the barrel, the stem elongates by its own inertia and gives balance and steadiness to the projectile in its flight, thereby increasing the range, velocity, and also the certainty of striking the object fired at. The wings being secured to the tubular end of the stem do not intertere with the revolving motion of the projectile if the same is fired from a rifled barrel. The stem is secured to a cap which is perforated with holes, and from the outer surface of which rises a rim with an internal screw thread which screws on the inner end of the projectile, leaving a shoulder for the soit metal ring to rest on, in such a manner that when said cal, with the telescope stem contracled, is introduced into the cartridge bag, said bag can be readily filled with powder through the perforations in the bag, and by screwing the projectile down into the rim of the cap, the edge of the cartridge lag is clamped between the soft metal ring and the shoulder of the cap, and no further fastening is required for it. Capt, Thomas S . Orwig, 219 Broalway, New York, is the inventor.

Rotary Engine.-This invention consists in two revolving piston wheels connected together by cog wheels and placed concertrically in two adjoining cylinders in combination with a valve which occupies the channel leading from one cylinder to the other, and to which motion is imparted by concentric or other equivalent means, mounted on the shafts
of the piston wheels, in such a manner that said pis- 46,441 .-Brushes for Cannon.-Paul Birchmeyer, Syraton wheels and intervening valve are alternately acted cuse, N. Y.:
upon by the steam passing through the channel connecting the two cylinders, and that by the action of the valve and piston wheels one cylinder takes steam while the other exhausts, and vice versa. The $\operatorname{cog}$ wheels which gear the two shafts of the pistons together are eccentric, the same as the pistons, so that their circumferential speed corresponds with that of said pistons. Jobn P. Eilis, of 22d. Reg. Wis. Vol. Inf., Nashville, Tenn., is the inventor.

## MAREET FOR THE MONTH.

The peculiarity in the trade during the month $o$ February is the absence of fluctuations in the price of gold and other commodities. The prices of the leading staples on the 22d, compared with those on the last Wednesday in January, were as follows:Coal (Anth.) 2,000 Corfee (Java) Ho th. Cotton (middling) Vheat (State) bush...




 Petroleum (crude) Beef (mess) (crude) wbl. Saltpeter \# ${ }^{\circ} \mathrm{B}$ Steet (Am. cast)
Sugar (brown)

1800 ब 2400
19 (1) 34
15 (1) 20


ISSUED FROM THE UNITED STATES PATENT-OFFICE for the week ending february 21, 1865
${ }_{0} f^{-1}$ Pamphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent specif ying size of model required and much other inormation useful to inventors, may be had gratis by addressing MUNN \& CO., Publishers of the Scientific American, New York. $\qquad$
46,435.-Horse Rakes.-Hubley Albright, Lewisburgh, Pa.:
E, claim, fatter being attached to the axle tecth bars, in, and bent rod, E, the atter being attached to the axle, , A, as shown, and in such a
relative position with the rake teeth, $I$, to operate as and tor the purpose bet forth.
Sccond, The leve
springs, ob, all arranged and for the e purpose specifled. 46,436.-Rotary Engines.- Wm. Avens and Frederick Fradley, Brooklyn, N. Y.:
 white corners, , , 11 combinated an with ports, e e', valves. J, and at cyllinper,
sit all construted and operating substantially as and for the purpose

IThis invention consists in a wheel provided witn tiro sets of chambers, to each of which access is had by two channels situated on the opposite ends of the chambers, and tajering off in opposite directions, in combination with a cylinder fitting closely to the circumference of the wheel, and with valves which open and close the steam ports in such a manner that by admitting steam to the chambers of the wheel a rotarv motion may be imparted to the same in either direction, and by a simple movement of the valvesthe motion of the engine can be reversed at any moment.]
46,437.-Bomb Lance for Killing Whales.-Silas Barker, Hartiord, Conn.:
I claim, Irst, The arrangement of the mode of separation of the
lance head, , and fuse tube, $F$, from the shaft of the lance, substantially as descrihed.
second, The arrangement of the adjustable hollow exploding lance hecad, C, in the manner and for the purpose substantialiy as liereln
set forth and described. 46,438. - Adjustable Tool Holder.-Charles Petit Benoit, Detroit, Mich.:
I claim thic adjustable holder, B, swiveled in the end of the stock,
A, so as to adapt the tool for various kinds of work, substantially as A, so as to
set forth
Second
ed as above specifled, I claim a the washer, E, having grooved or roughened suriaces, and employed in connection wit
forretaining the tool-holder in position, as explained
46,439.-Machine for Riving Hoops.-George J. Bentley, Michigan city, Ind.

46,440.-Churns.-Edwin L. Bergstresser, Berrysburg, 46, 4 Pa.:
I claim the double acting dashers, with the s:0am reservoir and
pipe, arranged aud combined as heruin described.
 horned cattle hair around a ce ntral hollow st ock or head, ard fast
ening it by a wrapping wire into the spiral
groove, the semil mat, as deseribed. John Blanchard, Pawtucket, R. I. Ante-dated Feb. 16, 1865 :
I clilim the improved feeder for a har.-cloth loom described, con
structed and operated substantially as hereln specifled.
46,443.-Leather and Process of Manufacturing the same.-Guiseppe Bottero, Boston, Mass.: I claim the process above described, as well as the material or
manufacture produced thereby. 46,444.-Street-lamp Posts.-Philip H. Branson, St. Louis, Mo.:
I claim as a nnw manufacture a lamp post, constructed in two
parta, substautially in the manner and for the purpose herein set
forth. Sccond, I claim the employment of the chipping strips, $\mathrm{C} "$, sub-
stantially as and for the purpose set forth.
46,445.-Variable Exhaust Nozzles.-Myron E. Brown, Buffialo, N. Y.:
I claim, irst. Naking a conical nozzle in two parts or halves, the lap past each otiur, so that when expanded by being moved upon
 tw cen the halv. s, sulstantially as de cribed and for the purposes
forth.
second, I claim the flange, $C$, projecting inwardly inside the noz zle, for thine purpose of breaking joints between the seat und base of
the nozzle, and thus, by carryiugthe fange above the joint, prevont
steam from escaping at the Lottom of the nozzle, suostantally $a_{3}$ steam from
described.
46.446.-Tanning.-Church Burton, Union, Maine : I cla im the tann
as spruce and fir.
46,447.-Revolving Hay Rakes.-Ezra Calderwood, I claim the cumbination with the thill, $A^{\prime}$, of the box, $D$, movable cap, $c^{\prime}$, and siring bolt, G. the later engaging with the notched or
recessed whecl, E, upon the rake head, ull as herein described [This invention relates to a new and improved revolving rake be drawn either manually or by a horse, and it consists in a novel and simple means employed for holding the rake in working position, and which will aumit of being readily actuated to liberate the rake, so that it may revolve and discharge its load when necessary.] 46,448.-Machine for Cuttiug Pasteboard.-Elizur E.
Clarke, New Haven, Conn.: First, I claim the method heroin describe
by combiniag with method herein described of cutting pasteboard,
 ters at given 10tervals of space, to more or less or no at all lindent
tle pastuoart, or to produce a through cut at pleasure, substan-
tially as set tirth.


 pinge agn.
set, tourth, I claim the combination with the cutters, cutter cylinder
and camm wheel, a feed bar actuated by the cam wheel, or any part, and cam inwel, a tecd bar, attuated by the cam wheel, or any part,
moving in unison therewith, in such manner as to fed the sheet to moving in unison therewit, in such manner as to fece the sheet 10
thic cutters automatically and at proper intervals or time during the
re volution of the cam wheel, to receive the through and score cut be

 Sixth, In combinatiou with a mantantially as set forth.
claima a siding and aujustable platiorm, for cutting
 errat or app oaching the cutters to adjust them, substantially as
fort
set

 central guide tongue, substantially as set iorth.
EIghth. I clatm the forked arm and grooved screw nut, working in
coinuination with the inverted 1 Ind grove in the side of the cutter
 46,449.-Medical Compound
ville: Wis. Ante-dated Feb. 16, 1865 : Coryell, JanesI cluim the use of a compound made of the in
specitied, nixixed together in alound made of the ingredien's above
in the manner set orth.
46,450.-Horse Hay Forks.-James A. Cowles, Chicago,
First, i claim the combination of the key or right angled lever, f.
 described situation, with t
purpose herein set Horth.
secound

46,451.-Door Fastener.-Elliott H. Crane, Jonesville, Mich.:
I claim the combination of the segmental latch plege, $\mathbf{B}$, Hbrating on a pivot withinn a slot of the plate, A and actuated by the spring,
c, by which the plate ceing faseene in position the closing door
corcing back the latch piece, which is forced to return when the C, by which the plate ecing fas
forcing back the latch piece,
edge or the door hats passed it.
[This is a pocket contrivance, designed for use wherever a convenient temporary door lock is wanted. The improvement relates to a pezuliarity of construction, by whiob a spring bolt ls employed in such a manner as to have an automatic action, so that by the act or closing the door the latter becomes locked. This is a device that
everybody wants, for it can ie instantly applied to any door, without everybody want,
screws or nails.]
46,452.-Clothes Dryer.-Ephraim Culver, Shelburne,
Mass.:
movalm the combination of the slotted and morable arm, $c$, the
tially as and for the purd hub, 1 and the screw and nut, e, Bubstan 46,453.-Fishing-line Sinkers.-Ebenezer F. Decker, Southport, Maine :
I claim as my invention the combination of the guard ring, the
line, the sivivel, the sinker and the urms, $\mathbf{D}$
$\mathbf{B}$, the whole being ar46,454,
First, I claim the combination of the landside side, A, with the
solid luzs, 333 and the periorated ear, 5 , substantially as and for the purpose set forth. cast on the landside, substantially as and for
second, Tlue lug, 3 , last
the purpose set forth. the purpose setcord. and fastening ear, 5, in combination witt the
Thirr, The gule
movable standard, substantially as and for the purpose set forth. movable standard, substantially as and for the purpose set forth.
Fourth, The combination or the landside standard and
board, by means and in the manner


