ELECTRIC COUPLING. - T. C. James, anned particularly for connecting signal wi between the cars of a railway train. It pro vides a joint of simple construction so arranged that should the sections be separated, either intentionally or through accident, the circuit will be completed in each section, and will system.

## Machines and Mechanical

NEIGHING-MACHINE.-C. B. Comegrs, Ashgrove, Mo. The machine is designed to weigh out merchandise by its value-that is warth in merchandise of a certain sum of money and to automaticaliy cut off the merhandise when the proper amount has been delivered.
UNIVERSAL PRINTING-MACHINE.-C. L. Dawson, Jacksonville, Ill. This machine will letters of large size, and is particularly adapted or use of stores, real estate agents and others. The apparatus comprehends a universal letter ype which is constructed in separate sections, so as to be capable of printing any letter or umeral by a selective action which brings into printing position such of the sections as ar equired for any particular lett
CLUTCH.-E. Dysterud, Monterey, Mexico. The clutch is designed especially for use in connection with alternating-current electric by a rotary part of the motor and controlled by centrifugal force, this clutch member work ng with the second member fast on the shaft which is to be driven. When the motor is reolving at low speed the shaft is not driven therefrom ; the centrifugal force, however, at ending a revolution at high speed causes the clutch members to be engaged and the shaft driven.
EMBOSSING-MACHINE.-I. Clapper, Osnaburg, Ohio. The machine affords improvements hollow building blocks or tiles during the bollow building blocks or tiles during the structed as to permit ready adjustment of the mbossing cylinder for any desired depth of impression.
CARDING-MACHINE ATTACHMENT. - C . Ingraham, Penacook, N. H. Mr. Ingraham ttachment for preventing any of the stock from passing over the ends of the cylinder and going to waste and causing all the stock
in the lap to pass to the doffer to insure ormation of a lap
MACHINE FOR MAKING BASKET-COV ERS.-C. Engberg, St. Joseph, Mich. This in for baskets and other receptacles, involves certain novel mechanism concerning the holder or the work and the means for rotating or wilh the stapling or nailing device.
MACHINE FOR POLISHING RINGS.-G h. Gaskins, Portsmouth, Va. Mr. Gaskins pro vides a ring-carrier for the rings to be polished, polishing strap to operate between its ends on the ring, and a carfer for this strap which orms us that reprocation. he inventor in is now running successfuly and giving satis faction in the United States Navy Yard at Norfolk, Va.

## Medical Apparatus.

APPLICATOR.-G. J. Van Schott, Passaic . J. The invention provides a new and im proved applicator more especially designed to cian, to apply medications to the cervix uteri or to the cervical canal without danger of injuring any of the interior parts of the vagina and womb.
bURNER AND INHALER.-W. R. Warner Vergennes, Vt. The burner and inhaler is arherbs or drugs in a very convenient manner and to bring the fumes arising from the burn ing process directly to the mouth or nostrils
of a patient to insure proper application of the fumes without waste of the herbs or drugs

## Miscellaneous Inventions.

PIPE and flue cleaner.-C. F. Crad dick and G. .W. Farlin. Ar., Butte, Mont fective means for the loosening and removal soot accumulation from the interior of a stove pipe and also from the ordinary chimney flue implement for removing an obstruction from a sewer pipe or the like.
heEl for boots or shoes.-J. G. rea Paterson, N. J. The heel can be readily se removed and interchanged or replaced by new ones. by a circum scribing endless metallic band.
Notr.-Copies of any of these patents will be furnished by Munn \& Co. for ten cents each. the invention, and date of this paper


THE 5-POUND GRAPE BASKET


PROFIT ON GRAPE BASKETS.


## QUART BERRY BASKETS.


the till basket


35 PER CENT TO 40 PER CENT ON ENTIRE


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## Inguiry No. 2646. For a foot or electric machine for cuttine cloth in ovals or scallope.

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Inquiry No. 2648.-For a stationary gasoline
gine for running a smail plant for cutting stones.
Inquiry No. 2649 .-For a power pipo- threading
and cutting machine for cutting pipes 2 to 6 inches.

Tnquiry No. 2651, -For makers of electric mining
drilis and keneral mining machinery.
Inquiry
machinery.
Inquiry No 26:33.-For manufacturers of cellu-
lotd or hard rubber goods.
Inquiry No. 2654.-For makers of coal briquettes.
Inquiry No. $2655 .-$ For manufactura
Inguiny No. 2655.-For manufacturers of litho.
raphic stones.
Inguiry No. 26.56.-For the manufacturer of the
Inquiry No. 2A.5.
Grabler check protector.
Innuiry
No. $\mathbf{2 6 5 \%}$.-For dealers in useful indus.
Trnuiry
trial toys.
No. 265\%.-For dealers in useful indus.
Ingint No. 26.5s.- For denlers in oil drills and
machinery for operating the same.
Inquiry No. 2f:59.-Fir makers of netting ma-
Jnquiny
crackers.
Inquiry No. 2661.-For dealers in hat creasers,
Snquiry No. 2662.-For dealers of aluminium in
Inquiry No. 2663.-For narties to engage in the
construction of airships and light engines per horse
Inquiry No. $664 .-$ Fri parties to make, in large
quantities, a small iron casting similar to a toy.

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Kling
or muitiple cylinder engine,




(Contunved on pase ss7)

