

STEEL ENGINEERING

PATENTED AUG. 22, 1922

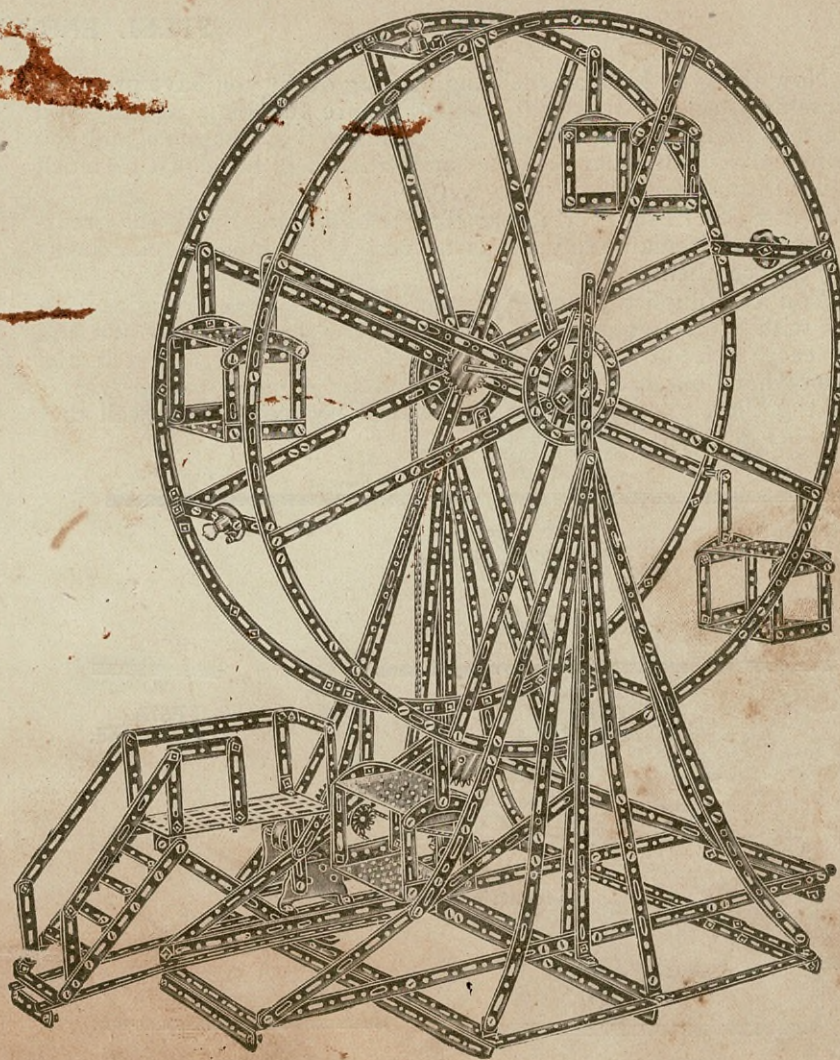
INSTRUCTIONS

No. I

This book contains instructions for building and suggestions of models to be built with Steel Engineering. The steel construction toy with the curved girder that builds realistic models.

Kelmet Corporation

200 Fifth Avenue,
New York, N. Y.



STEEL ENGINEERING PARTS.

Now that you have a Steel Engineering outfit you have provided yourself with a toy that will give you more fun than any toy you ever had. It makes all boys happy and happy boys happier, and you will find that your older brothers and father will have just as much fun with it as you will.

Every Steel Engineering part has been designed with the greatest care and is manufactured as accurately as modern machinery can produce them.

You can duplicate some of the world's greatest engineering feats with Steel Engineering. You will find it much more fun and very easy to build some of the simplest models first to get in the habit of handling Steel Engineering and accustomed to the way it goes together. You will soon find that every part fits so well that

building models will come natural to you and that you will have no difficulty in building very complicated and intensely interesting models.

In this book we show suggestions of some of the models that can be built with the different sets. Bear in mind that these are only suggestions and that practically any engineering feat can be duplicated with Steel Engineering and that part of the fun you will get out of the outfit is in originating and building your own models.

After you have built some of these that are illustrated in this book look around you for some big engineering construction work that is going on near your home and duplicate that with steel Engineering.



P57F
12" Axle Rod.



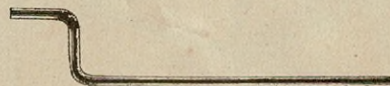
P57E
8" Axle Rod.



P57A
2" Axle Rod.



P23
Eccentric Axle.



P24
Crank.



P57C
4½" Axle Rod.



P74
11" Girder.



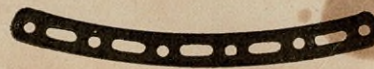
P76
2" Girder.



P57D
6" Axle Rod.



P75
6" Girder.

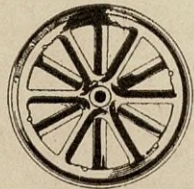


No. 72
Large Curved Girder.

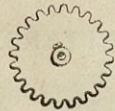


No. 73
Small Curved Girder.

STEEL ENGINEERING PARTS.



X17B
Large Grooved Wheel.



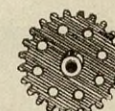
X11
Flat Gear.



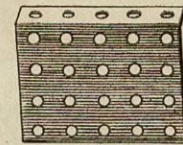
X7A
Small Wheel.



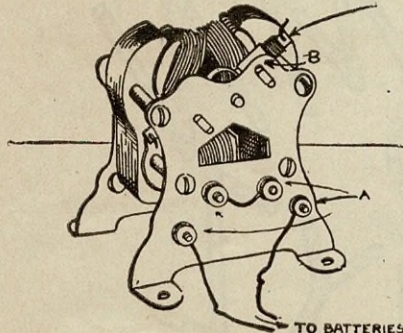
X12
Crown Gear.



X11
Flat Gear, Pierced.



F71
Small Base Plate.



P58
Motor.



X48
Mitre Gear.



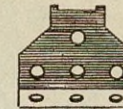
X49
12-Tooth Gear.



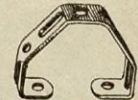
X13
Pinion Gear.



X15
Coupling.



P79
Car Truck.



P77
Small Universal
Bracket.



X14
Worm Gear.



P20
5 Hole Strip, Formed.



P38
3 Hole Strip.



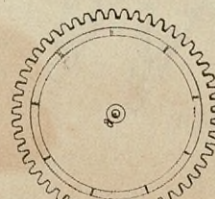
P1
Small Right Angle.



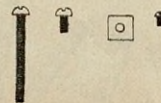
P83
Curved Base Plate.



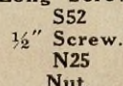
P33
Screw Driver.



X50
Large Gear.



S57
Long Screw.



S52
1/2" Screw.
N25
Nut.
S59
Short Screw.



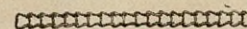
P78
"U" Piece.



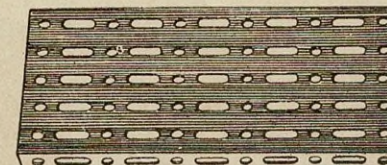
P80
Slot Angle.



X37
Collar.



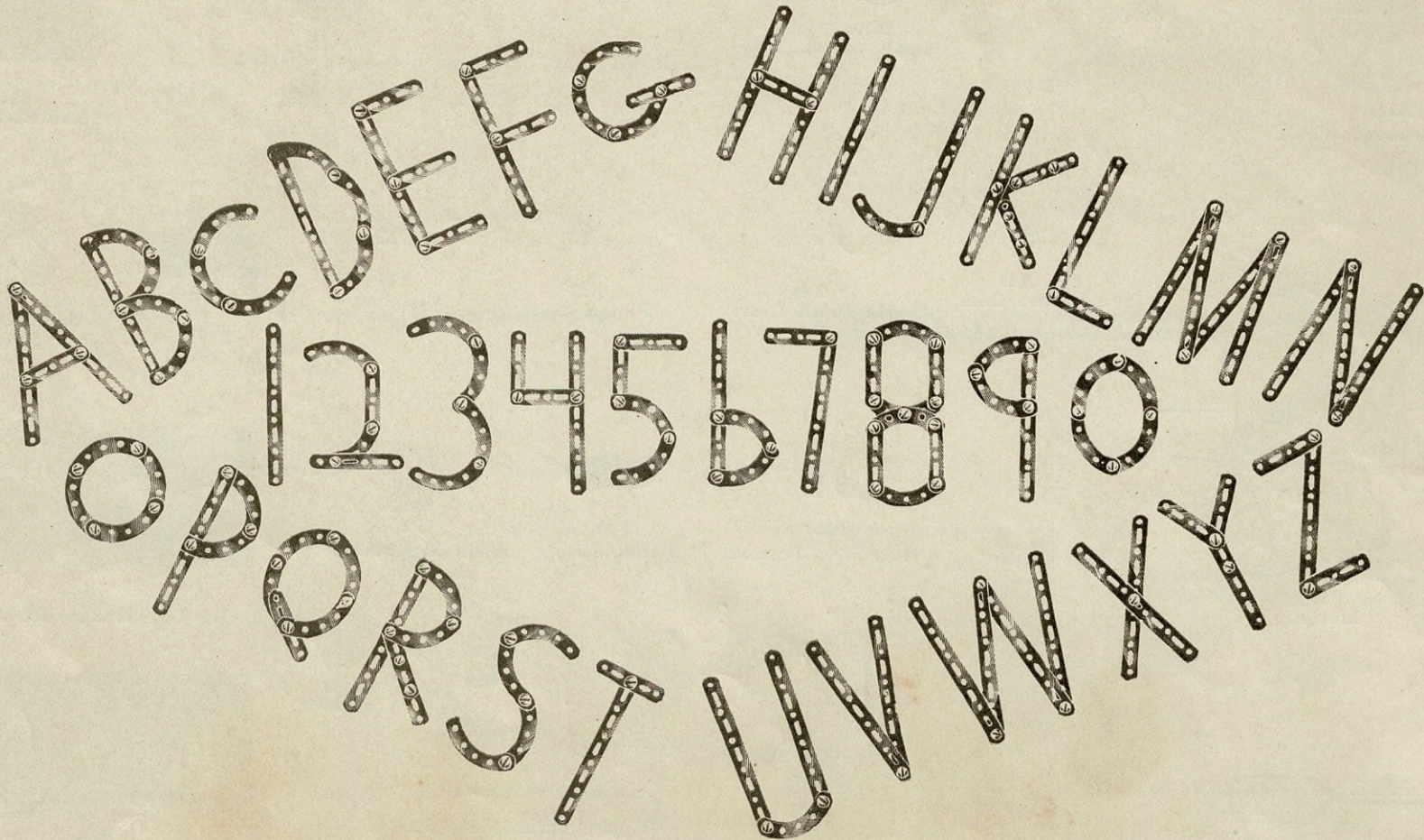
Sprocket Chain.



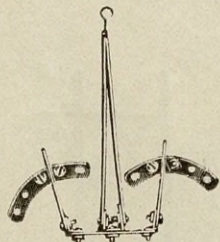
P70
Large Base Plate.

SUGGESTED MODELS TO BE BUILT WITH NO. 1 STEEL ENGINEERING.

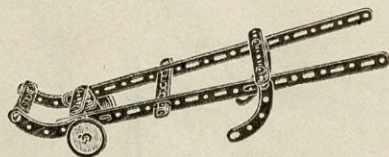
STEEL ENGINEERING BUILDS REALISTIC NUMBERS AND LETTERS.



THESE MODELS CAN BE BUILT WITH NO. 1 STEEL ENGINEERING.



No. 36
Large Anchor.



No. 37
Factory 2 Wheel Truck
Strip Construction.



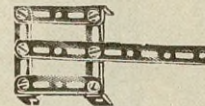
No. 38
Snow Shoe.



No. 39
Head Shears.



No. 40
Ice Hook.



No. 41
Grid.



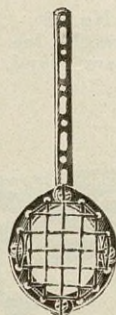
No. 42
Hoop.



No. 43
Horse Shoe.



No. 44
Coat Hanger.



No. 45
Tennis Racket.



No. 46
Piano Stool.



No. 47
Pitch Fork.



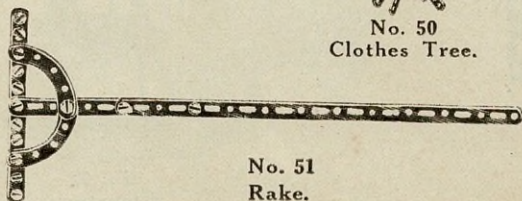
No. 48
Wood Basket.



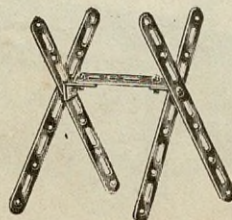
No. 49
Hatchet.



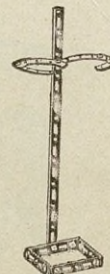
No. 50
Clothes Tree.



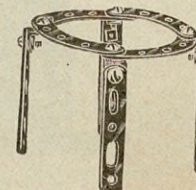
No. 51
Rake.



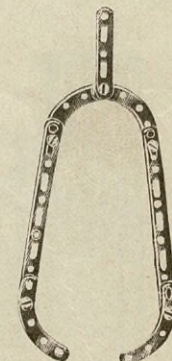
No. 52
Small Saw Buck.



No. 53
Fire Place Rack.

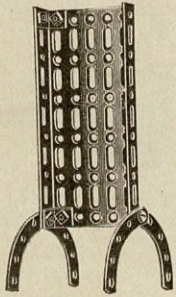


No. 54
Round Table.

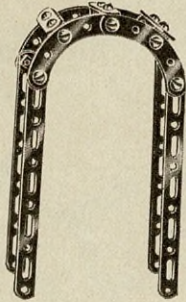


No. 55
Fire Place Tongs.

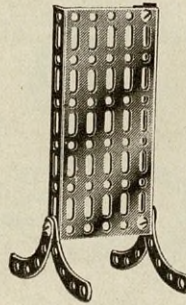
MORE MODELS THAT CAN BE BUILT WITH NO. 1 STEEL ENGINEERING.



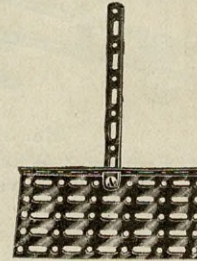
No. 56
Mirror.



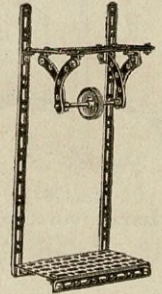
No. 57
Arch.



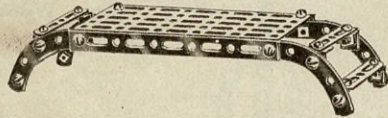
No. 58
Straight Ice
Cream Stand.



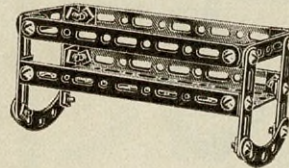
No. 59
Snow Shovel.



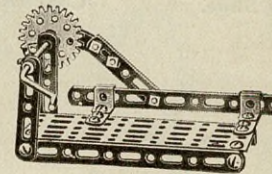
No. 60
Counter Shaft
and Support.



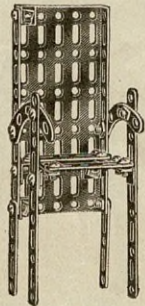
No. 61
Cross The Creek Bridge.



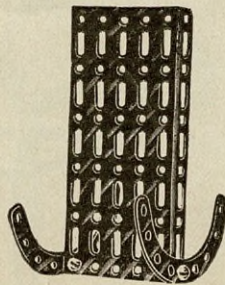
No. 62
Cradle.



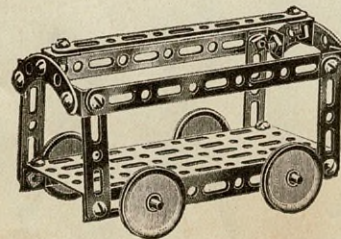
No. 63
Automatic Saw.



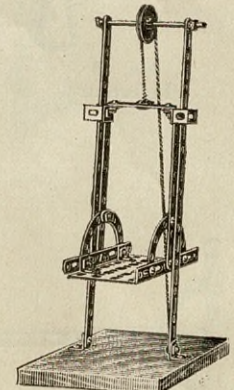
No. 64
Coronation Chair.



No. 65
Rolling Ice
Cream Stand.

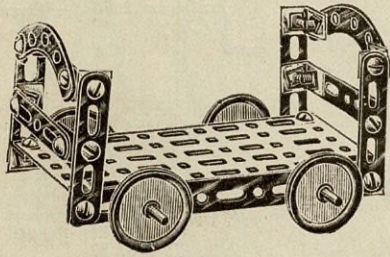


No. 66
Parcel Truck.

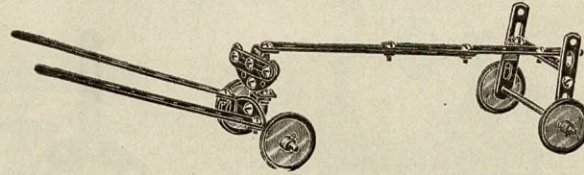


No. 67
Elevator.

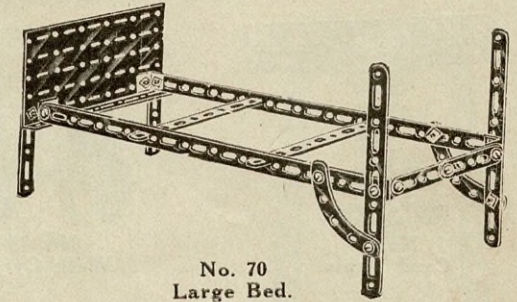
SOME DANDY MODELS THAT CAN BE BUILT WITH NO. 1 STEEL ENGINEERING.



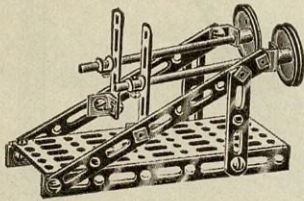
No. 68
Baggage Truck.



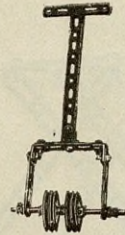
No. 69
Farm Wagon.



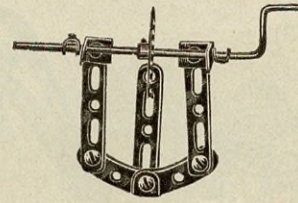
No. 70
Large Bed.



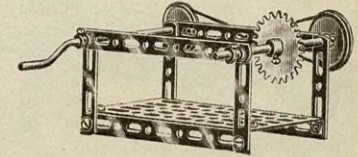
No. 71
Buffers.



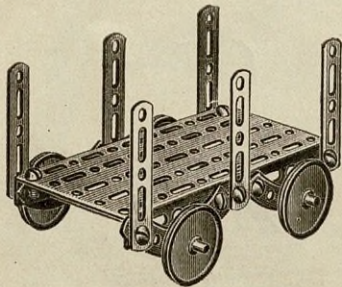
No. 72
Garden Roller.



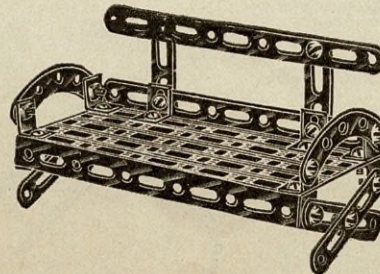
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Noise Maker.



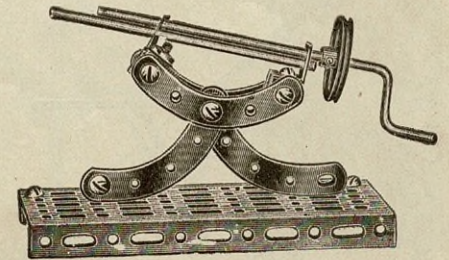
No. 74
Machine Saw.



No. 75
Baggage Truck.

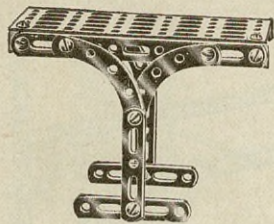


No. 76
Park Bench

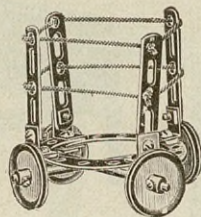


No. 77
Rapid Fire Gun.

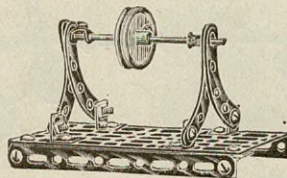
THESE MODELS CAN ALSO BE BUILT WITH NO. 1 STEEL ENGINEERING.



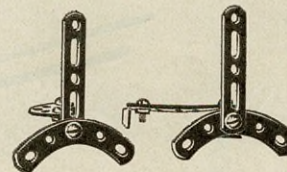
No. 78
Card Table.



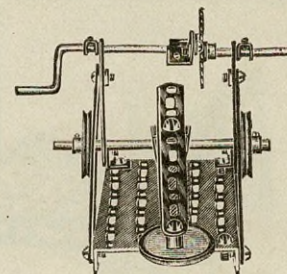
No. 79
Walk Cycle.



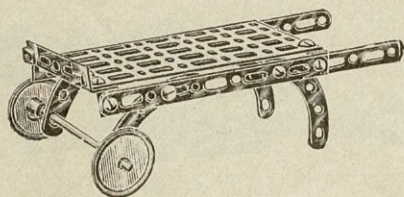
No. 80
Buffing Wheel.



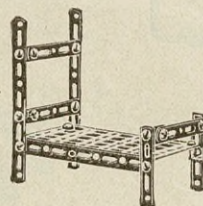
No. 81
Andirons.



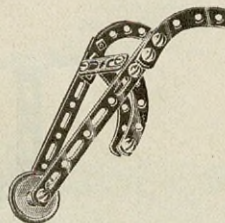
No. 82
Automatic Hammer



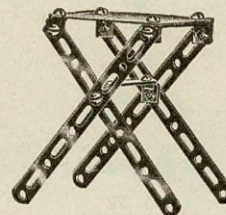
No. 83
Trunk Truck.



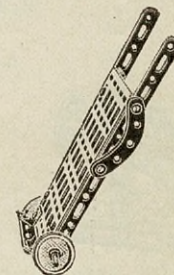
No. 84
Small Bed.



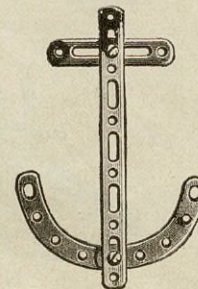
No. 85
Plow.



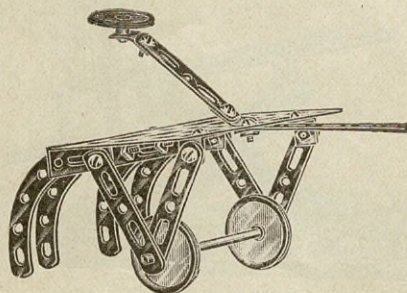
No. 86
Camp Stool.



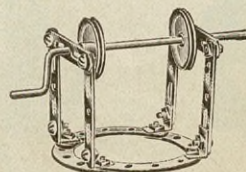
No. 87
Two Wheel Truck.



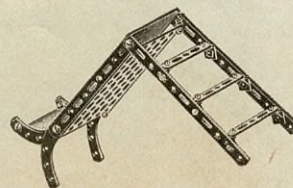
No. 88
Anchor.



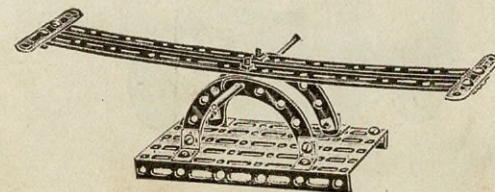
No. 89
Cultivator.



No. 90
Well Windlass.

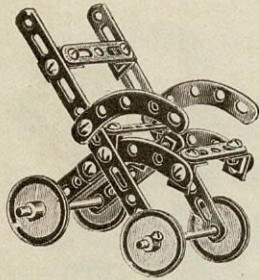


No. 91
Fun Slide

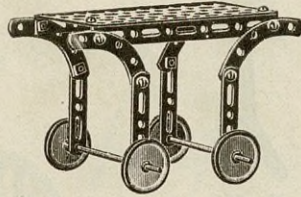


No. 92
Large Teeter.

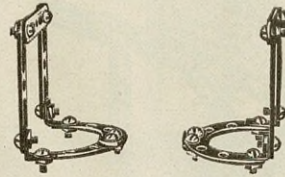
REMEMBER THESE MODELS ARE ONLY A FEW OF THE MANY YOU CAN BUILD.
THESE YOU CAN BUILD WITH NO. 1 STEEL ENGINEERING.



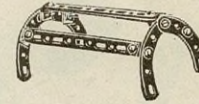
No. 93
Go-Cart



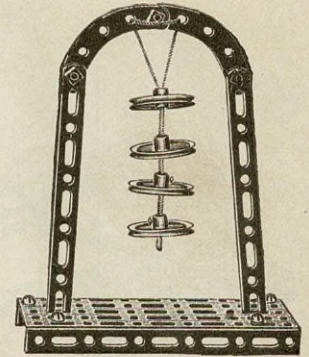
No. 94
Table Top Car.



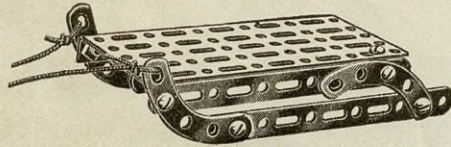
No. 95
Book Ends.



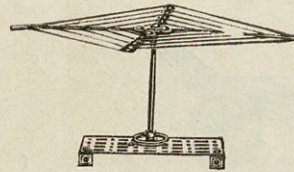
No. 96
Railway Tunnel.



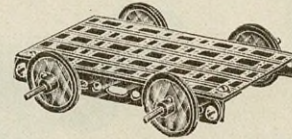
No. 97
Dinner Gong.



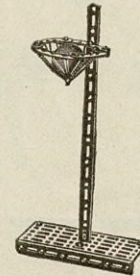
No. 98
Small Sled.



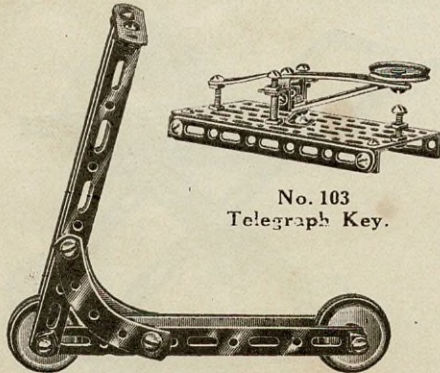
No. 99
Clothes Dryer.



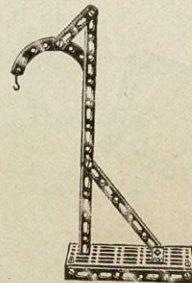
No. 100
Platform Truck.



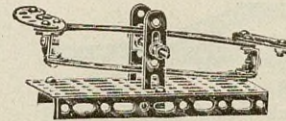
No. 101
Basket Ball
Stand.



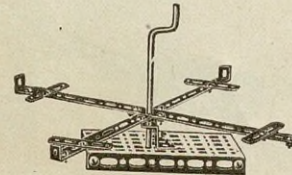
No. 103
Telegraph Key.



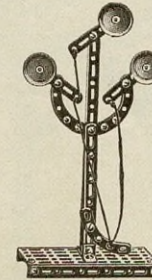
No. 105
Mail Sack Release.



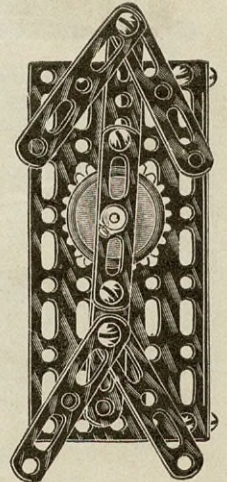
No. 102
See Saw.



No. 106
Wild Irishman.

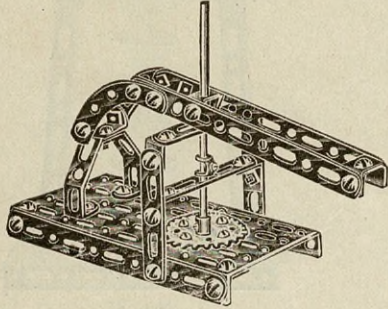


No. 107
Block Signal
System.

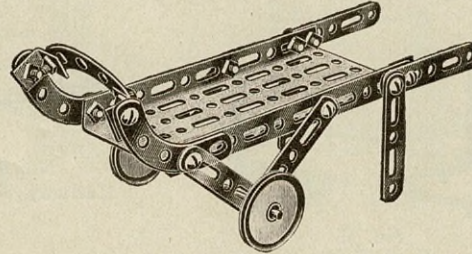


No. 108
Game Pointer.

SUGGESTED MODELS TO BE BUILT WITH NO. 3 STEEL ENGINEERING.
THESE ARE IN ADDITION TO ALL THE MODELS SHOWN UNDER NO. 1 OUTFIT.



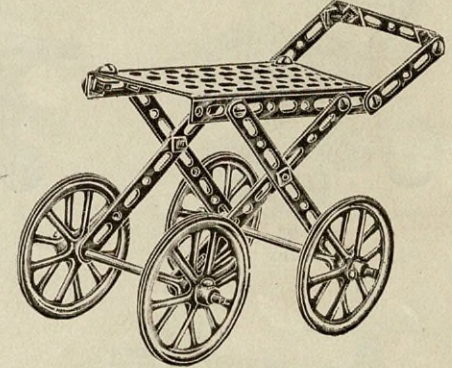
No. 109
Hand Punch.



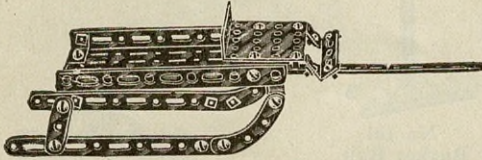
No. 110
Large 2 Wheel Factory Truck.



No. 111
Music Stand.



No. 112
Large Tea Wagon.



No. 113
Pung.



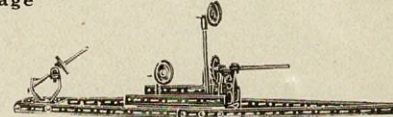
No. 115
Large Baggage
Truck.



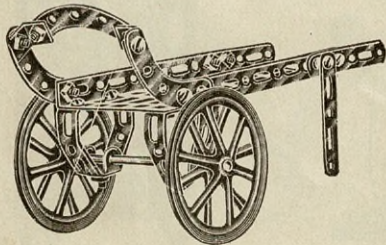
No. 117
Spinning Top.



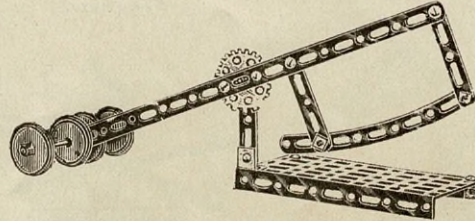
No. 114
Hack Saw.



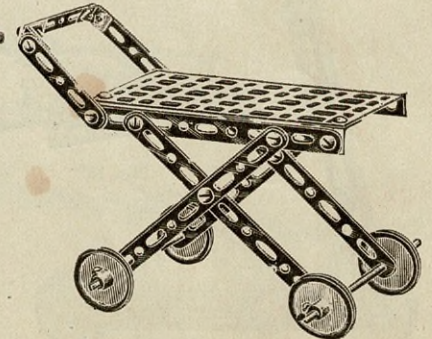
No. 116
Torpedo Boat.



No. 118
High Baggage Truck.

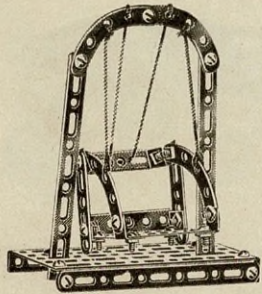


No. 119
Gate Crossing.

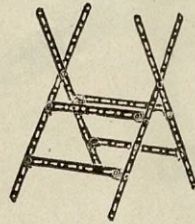


No. 120
Tea Wagon.

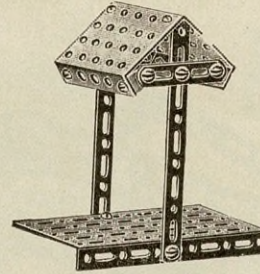
MORE MODELS THAT CAN BE BUILT WITH NO. 3 STEEL ENGINEERING.



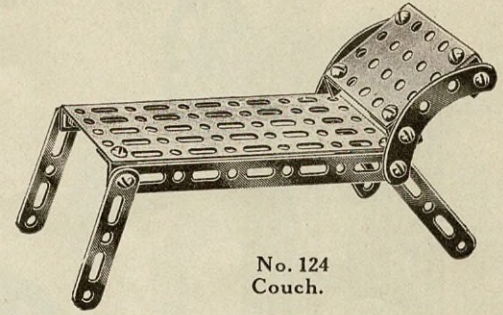
No. 121
Swing Under Arch.



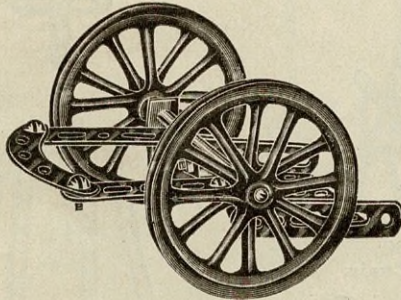
No. 122
Large Saw Buck



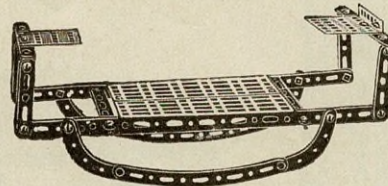
No. 123
Summer House.



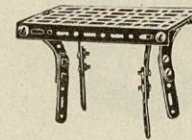
No. 124
Couch.



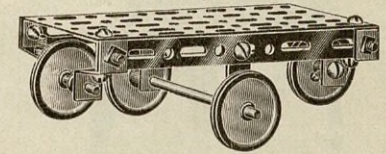
No. 125
Road Scraper.



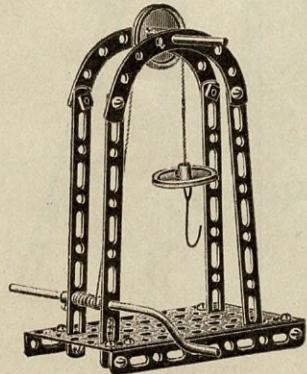
No. 126
Rocking Swing.



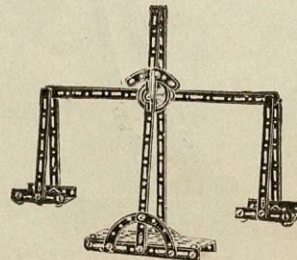
No. 127
Drawing Table.



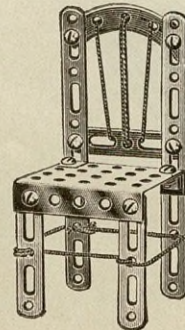
No. 128
Iron Workers Truck.



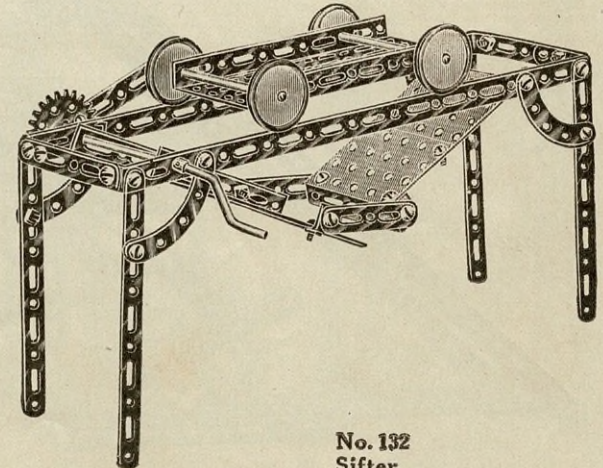
No. 129
Trellis Hoist.



No. 130
Dial Scales.

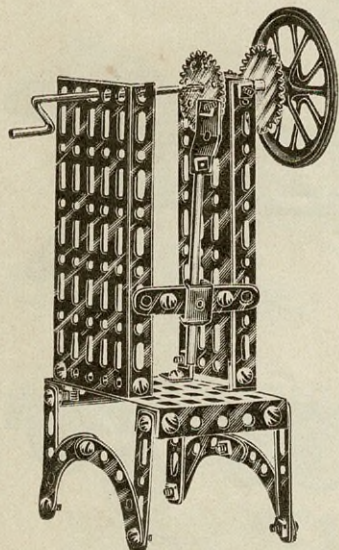


No. 131
Chair.

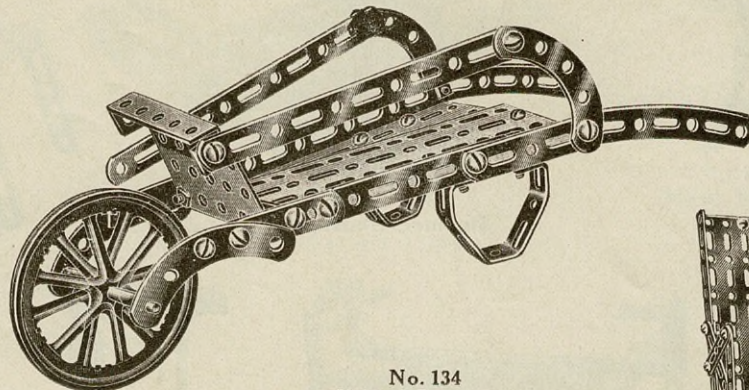


No. 132
Sifter.

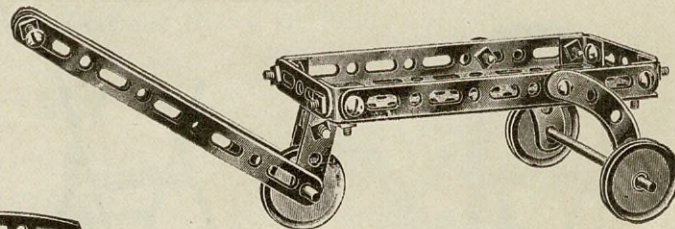
ADDITIONAL MODELS THAT CAN BE BUILT WITH NO. 3 STEEL ENGINEERING.



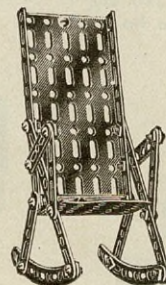
No. 133
Punch Press



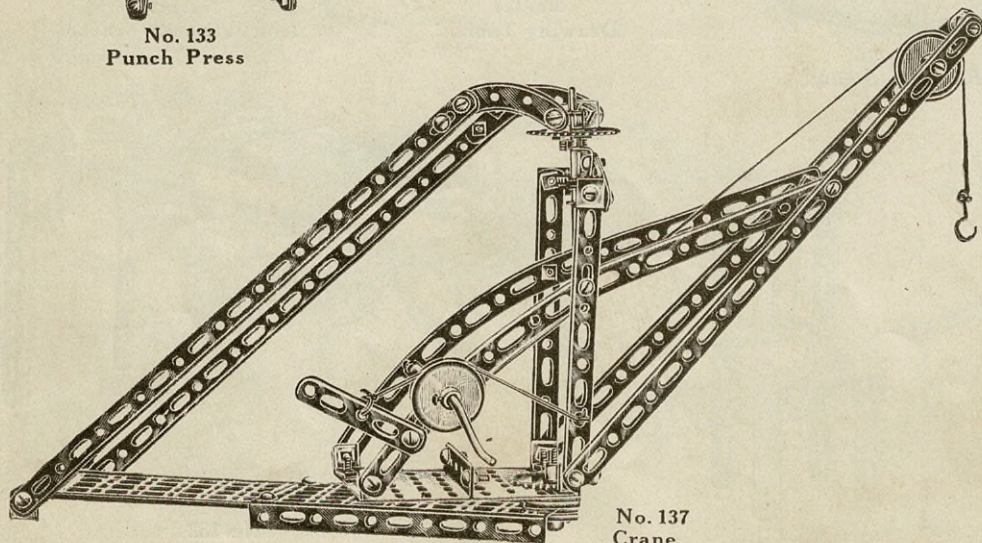
No. 134
Wheel Barrow.



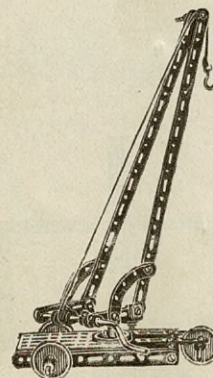
No. 135
Three Wheel Wagon



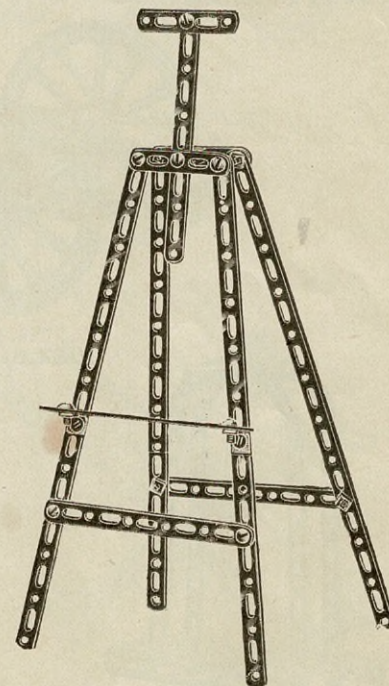
No. 136
Rocking Chair.



No. 137
Crane.

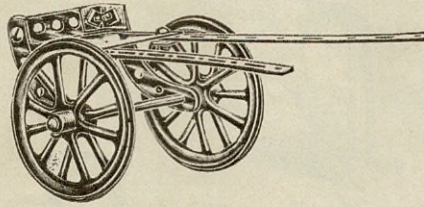


No. 138
3 Wheel Derrick.

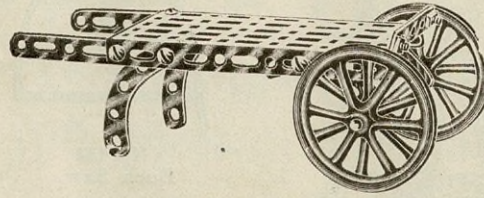


No. 139
Easel.

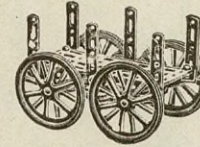
MACHINERY AND OTHER MODELS BUILT WITH NO. 3 STEEL ENGINEERING.



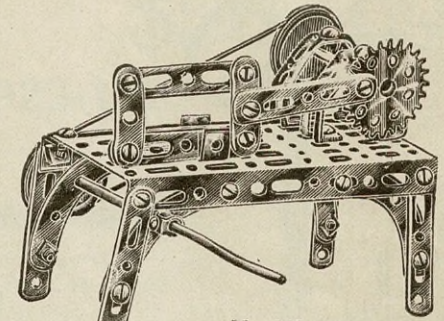
No. 140
Sulky.



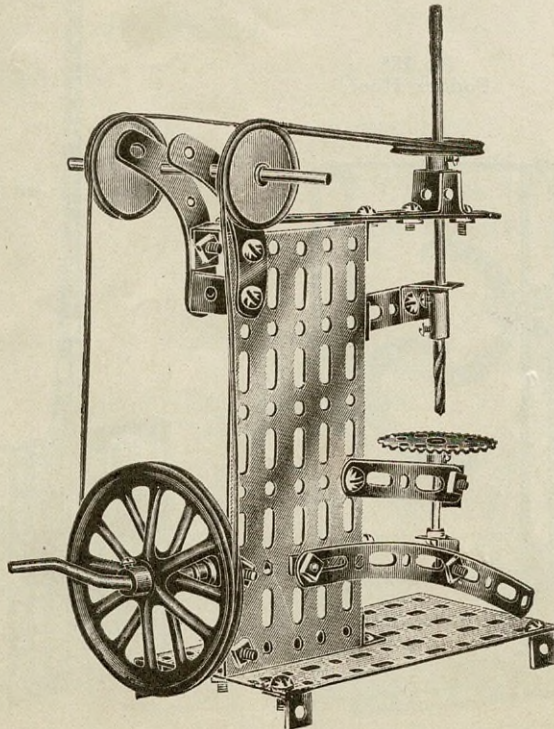
No. 141
Large Trunk Truck.



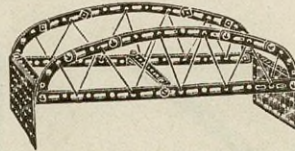
No. 142
Baggage Truck.



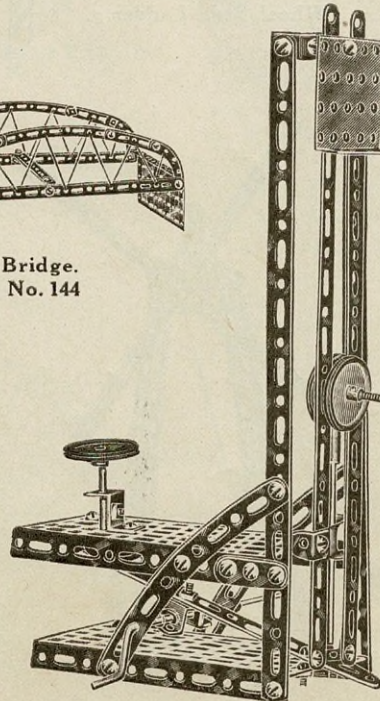
No. 143
Machine Saw.



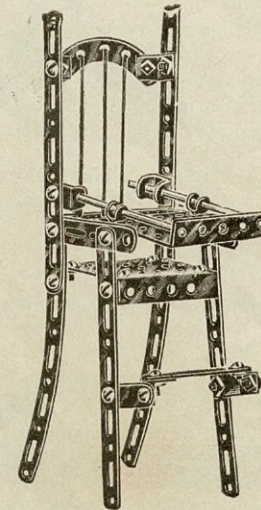
No. 145
Upright Drill.



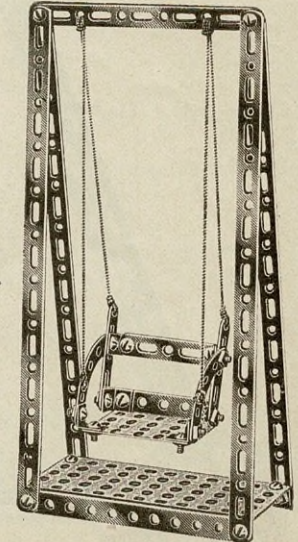
Bridge.
No. 144



No. 146
Test-Your-Strength Machine.

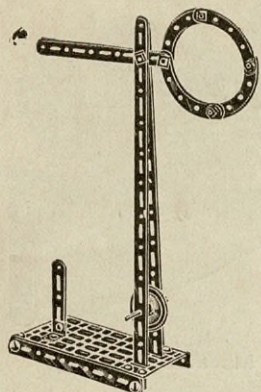


No. 147
High Chair.

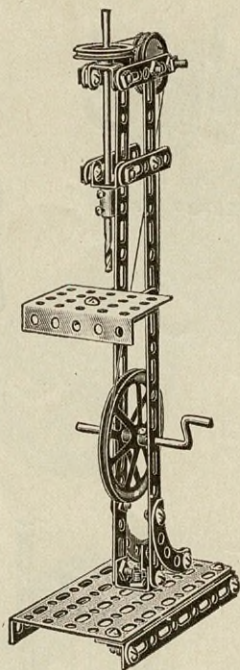


No. 148
Park Swing.

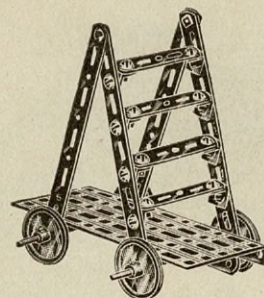
MORE MODELS THAT CAN BE BUILT WITH NO. 3 STEEL ENGINEERING.



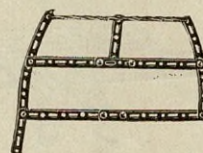
No. 149
Circle Railway
Signal.



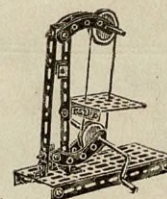
No. 150
Drill Press.



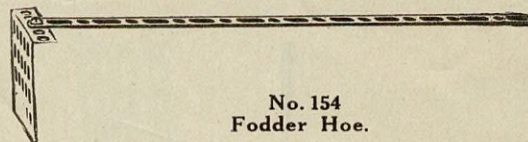
No. 151
Wheel Step Ladder.



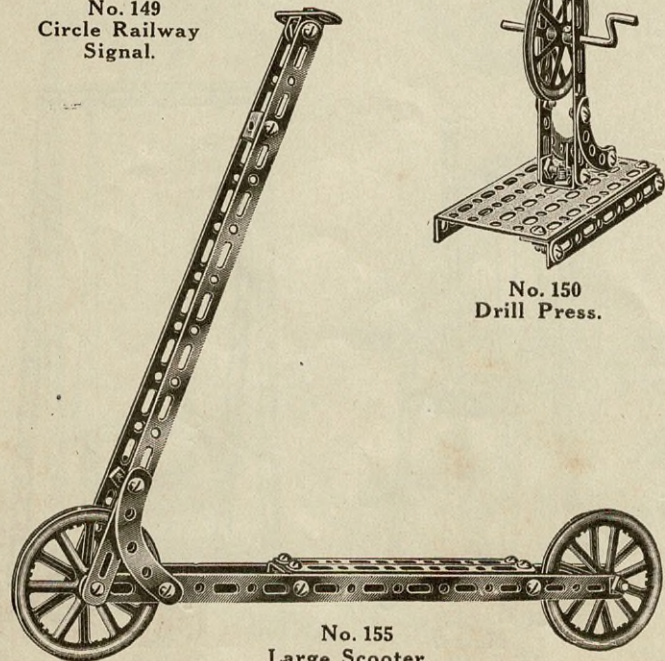
No. 152
Buck Saw.



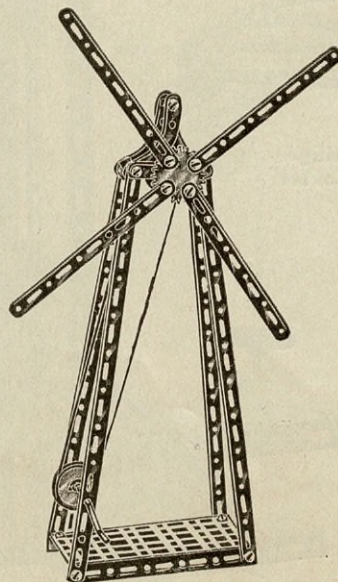
No. 153
Band Saw.



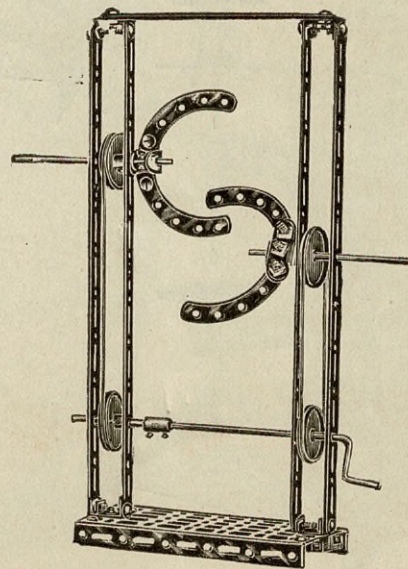
No. 154
Fodder Hoe.



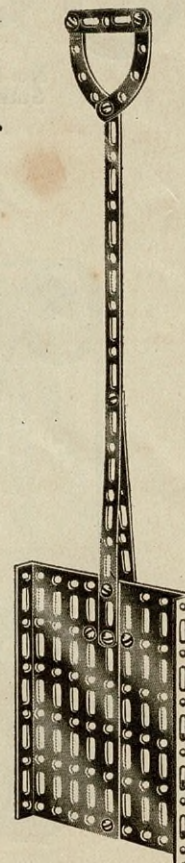
No. 155
Large Scooter.



No. 156
Wind Mill.



No. 157
Candy Puller.



No. 158
Spade.

\$500.00 PRIZE CONTEST \$500.00

Think of it, Boys! \$500.00 in Prizes for You in this 1922-1923 Contest
150 Prizes. 150 Chances For You.

Win A Bicycle

Canoe

Radio Outfit

Ice Skates

Tent

Roller Skates

Air Rifle

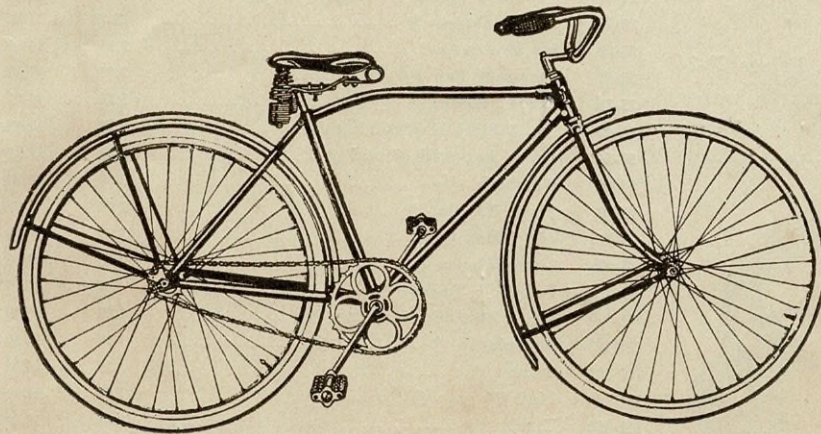
Camera

Watch

Camp Chair

Fountain Pen

150 Prizes. You Have a Chance to Win One of These
Dandy Things.



1st PRIZE DANDY BICYCLE

RULES OF THE CONTEST.

Models not wanted—Send us drawings, sketches, or photographs of your model, giving us a complete description of the parts which would be hard to understand. We would prefer a photograph, size 5 x 7, if possible.

Material—No restriction is placed upon the material with which you build your models.

Number of Designs—You can submit as many designs as you desire. The sole right of the photographs, sketches, etc., which win prizes is to be vested in the Kelmet Corporation. No photographs or sketches will be returned to competitors. We will not be responsible for photos or other entries being miscarried in the mail or lost.

Attach your name and address—Your name and address must be written on the back of each photograph, sketch, etc. It is not sufficient to put this on the outside of the package alone, as the wrapper gets separated from the contents.

Prepaid—Entries must be prepaid. All photographs and other suggestions for prizes must be prepaid by the sender.

Competition closes on March 1st, 1923.

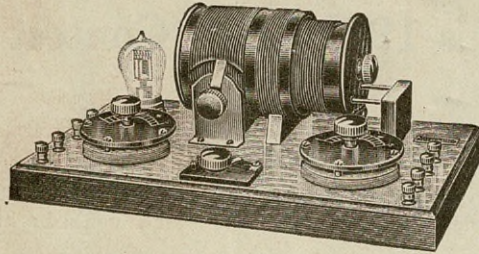
Awarding—Prizes will be awarded as soon after that date as possible.

Delivery of Prizes—Each prize is F. O. B. shipping point. The winner will be expected to pay the delivery charges.

Announcing Winners—The names of the winners will be published April 1st, 1923 and copy of this will be mailed to every competitor.

REMEMBER! All Entries are to be Mailed to Kelmet Corporation; 200 Fifth Avenue, New York City, Not Before February 1st, 1923 and Not Later Than March 1st, 1923.

Remember We can show Only a Few of the Many Prizes. Read the List and Decide To Win One of Them.



COME ON BOYS— WIN THIS RADIO SET.

Hear Radio Telephone Messages.
Get in on this great new sport.
This Outfit is guaranteed to receive telephone messages from approximately 100 miles and under ideal atmospheric conditions messages can be heard considerably greater distances.
Set is mounted on highly polished wood base $14\frac{3}{4}$ x $9\frac{1}{2}$ inches. Knobs and dials made of specially prepared black composition. Binding posts, switch levers, screws and nuts are all of brass.

DECIDE TO WIN A CANOE.

TEN TUNGSTEN FLASHLIGHTS— WORTH \$1.00 EACH.

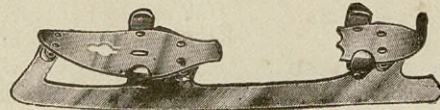
Loads of fun with these flashlights. Ten of these go as Prizes No. 61-70.

Every prize we offer is worth working for, boys, and you want to make up your mind to go right after one of them. Try for the best ones—that's the way—but any one of them will well repay you.



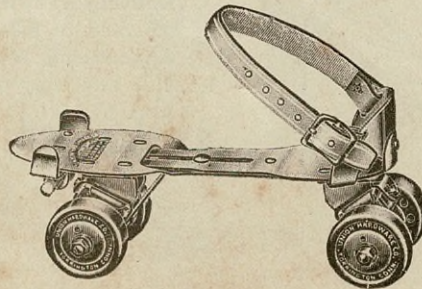
HURRAH! HURRAH! NOW FOR CAMPING!

Just think what fun you could have with a camping outfit. Outfit No. 1 includes tent, size 7 feet high, weight 14 pounds, complete with poles and stakes.



LOOK BOYS—AT THESE SKATES.

Five lucky boys who win Prizes 20-24 are going to have some great fun roller skating and five others who win Prizes 25-29 will get pairs of dandy ice skates.



COMPLETE LIST OF ALL PRIZES

PRIZES

1	Bicycle	\$60.00
2	Canoe	55.00
3	Radio Outfit	25.00
4	No. 25 Steel Engineering	25.00
5	7 x 7 Tent	25.00
6	No. 10 Steel Engineering	10.00
7	Vest Pocket Kodak	6.50
8	Folding Camp Cot	6.50
9	Polar Cub Fan	5.00
10-15	No. 5 Steel Engineering @	5.00 \$25.00
15-19	Tennis Rackets @	4.00 20.00
20-24	Roller Skates @	3.50 17.50
25-29	Ice Skates @	3.50 17.50
30-34	Fountain Pen @	3.50 17.50
35-39	Scout Hikemeter @	3.25 16.25
40-49	No. 3 Steel Engineering @	2.50 25.00
50-54	Camp Axe with Guard @	2.50 12.50
55-60	Baseballs @	2.00 12.00
61-70	Flash Lights @	2.00 20.00
71-80	Air Rifles @	5.00 20.00
81-90	Camp Chairs @	2.00 20.00
91-100	Ingersoll Yankee @	1.75 17.50
101-110	No. 1 Steel Engineering @	1.00 10.00
111-120	Ambulance @	1.00 10.00
121-130	Racers @	1.00 10.00
131-140	Mail Wagons @	1.00 10.00
141-150	Trucks @	1.00 10.00