

Repair Part List

BUDA HAND CARS

PUSH CARS

HAND VELOCIPED CARS

From the collection of
railroadhandcar.com

PLEASE READ

Instructions for Ordering Repair Parts for Buda Hand, Push and Velocipede Cars

Clearly specify part or parts wanted by giving the symbol number in the list, and state for which type and number of car.

Illustrations are shown for most of the repair parts listed in this book. If you are unable to find in the list such parts as you seem to require, write us, giving full description and specifications, and we will undoubtedly be able to furnish what you want, providing it is anything we have made.

When ordering wheels, axles or pinions be careful to indicate whether they are straight or taper fit, and whenever possible give dimensions, as the great quantity and variety of cars turned out by us in the past has led to the use of such a variety of wheels, axles, etc., that something more than the specification "For Hand Car" is necessary for us to fill orders accurately.

It generally facilitates deliveries if, when ordering wheels, you will make a sketch similar to the one on opposite page, filling in the dimensions A, B, C, D and E and say whether or not keyway is wanted. We will then know exactly how you want your wheel bored and hub faced.

REMITTANCE

Remittance in the form of draft, P. O. or Express Money Order should accompany orders from all persons with whom we have no open account. Do not send currency by mail.

C. O. D. We will send goods C. O. D. only when remittance, sufficient to pay transportation charges to destination and return, accompanies order.

Always specify whether to ship by freight or express.

Mistakes we studiously endeavor to avoid, but they will occur sometimes, and we are only too glad to correct any made by us.

List of Repair Parts for Buda Hand Cars

No.	Description	Price
1	Hub for Steel Wheel.....	\$0.75
2	Collar for Steel Wheel.....	.25
BB1A	Ball-Bearing Pedestal.....	1.50
BB2A	Ball-Bearing Center Bearing.....	1.00
BB3A	Ball-Bearing Nut for Pedestal and Center Bearing.....	.50
5	Collar for loose wheel, 1 1/4 in. Bore.....	.05
5A	Collar for loose wheel, 1 1/4 in. Bore.....	.05
5B	Collar for loose wheel, 1 1/2 in. Bore.....	.05
5C	Collar for loose wheel, 1 1/2 in. Bore.....	.05
6	Pedestal for 1 1/4 in. Axle, for No. 3 Car }.....	1.00
7	Cellar for 1 1/4 in. Axle for No. 3 Car... }	
6B	Pedestal for 1 1/2 in. Axle }.....	1.00
7B	Cellar for 1 1/2 in. Axle... }	
GD	Pedestal for 1 1/4 in. Axle, for Inspection Car }.....	1.00
7D	Cellar for 1 1/4 in. Axle, for Inspection Car... }	
6I	Pedestal for Insulated Cars.....	.15
8C	Pedestal for 1 1/4 in. Axle, for No. 2 Car }.....	1.80
9C	Cellar for 1 1/4 in. Axle, for No. 2 Car... }	
8	Cut Spur Pinion, 21 teeth. (Specify if taper or straight bore).....	1.00
8H	Helical Cut Pinion, 20 teeth (not illustrated).....	1.00
8	Cast Spur Pinion, 22 teeth.....	.75
8A	Cast Spur Pinion, 17 teeth.....	.75
8B	Cut Spur Pinion, 31 teeth.....	1.00
8B	Cast Spur Pinion, 32 teeth.....	.75
9	Cut Spur Gear, 70 teeth.....	3.00
9H	Helical Cut Gear, 67 teeth (not illustrated).....	3.00
9	Cast Spur Gear, 72 teeth.....	1.50
9A	Cut Spur Gear, 70 teeth.....	3.00
9A	Cast Spur Gear, 72 teeth, 1 1/4 in. face.....	1.50
9B	Cut Spur Gear, 60 teeth.....	3.00
9B	Cast Spur Gear, 62 teeth.....	1.50
10N-S	Crank, New Style.....	1.50
11	Center Bearing Box for 1 1/2 in. Axle, for special Cars... }	.25
12	Center Bearing Box Cap for 1 1/2 in. Axle, for special Cars... }	
11EE	Center Bearing Box for 1 1/2 in. Axle, Standard No. 1 Car.....	.50
11FF	Center Bearing Box for 1 1/4 in. Axle, for No. 2 Car.....	.50
12E	Center Bearing, for No. 1 Car.....	.50
12F	Center Bearing, for No. 2 Car.....	.50
13	Side Seat Arm, for No. 4 Car.....	.40
14A	Single End Walking Beam.....	4.50
14B	Double End Walking Beam.....	4.50
14BA	Heavy Double End Walking Beam.....	5.50
15	Rock Shaft Box.....	.50
16	Rock Shaft Box Cap... }	
15A	Rock Shaft Box, for Inspection Car... }	.50
16A	Rock Shaft Box Cap, for Inspection Car... }	
17	Gear Box... }	1.00
18	Gear Box Cap... }	
17A	Gear Box, for Inspection Car... }	1.00
18A	Gear Box Cap, for Inspection Car... }	
17B R&L	Gear Box, for No. 2 Car.....	.35
19	Truss Rod Post.....	.10
21	Double Truss Rod Cap.....	.10
21B-L	Truss Rod Cap, for Inspection Car.....	.10
21B-R	Truss Rod Cap, for Inspection Car.....	.10
21C	Double Truss Rod Cap, for Inspection Car.....	.10
23	Axle Bearing Brass, for No. 3 Car.....	1.25
23D	Axle Bearing Brass, for No. 2 Car.....	2.00
23E	Axle Bearing Brass, for No. 1 Car.....	1.25
24	Connecting Rod Brass }.....	1.00
25	Connecting Rod Brass }	
26	Step for Brake.....	.15
27	Brake Sleeve.....	.10
27A	Brake Sleeve, for No. 3 Car.....	.15
28	Spool, Standard.....	.10
28A	Spool, for Inside Bearing Cars.....	.10
29	Toggle Clips, old style.....	.08
42	Pick Racks.....	.15
43	Stirrups.....	.05
44	Collar.....	.20
44A	Half Collar.....	.20
45	Bell Crank.....	.15
46	Bell Crank Clips.....	.25
47	Brake Plunger, for No. 1 Car.....	.40
47A	Brake Plunger, for No. 3 Car.....	.30
48A	Brake Plunger, for No. 2 Car.....	.75
49	Connecting Rod, for No. 1 Car.....	.75
49A	Connecting Rod, for No. 2 Car.....	.75
49B	Connecting Rod, for No. 3 Car.....	.75
49C	Connecting Rod, for No. 4 Car.....	.75
51	Wood Handle.....	.20
51A	Gaspipe Handle.....	pair 1.00

(ILLUSTRATIONS ON PAGES 4 AND 5)

List of Repair Parts for Buda Hand Cars—Continued

No.	Description.	Price.
52	Brake Shoe	pair \$.30
52A	Brake Shoe, for No. 2 Car	pair .30
54A	Wrist Pin .....	.30
55	Brake Spring .....	.25
55A	Brake Spring .....	.25
55B	Brake Spring .....	.20
56	Brake Toggle .....	.15
57	Toggle Clip .....	.05
58	Brake Toggle .....	.20
59	Brake Toggle .....	.15
60	Brake Toggle .....	.15
61	Brake Rod .....	.35
61A	Brake Rod .....	.50
64	Bevel Washer .....	.05
66	Pedestal Rod .....	.05
67	Gear Box Rod .....	.05
68	Oil Tube .....	.05
69	Rock Shaft Box Rod .....	.05
70	Spring for Settee	1.75
71	Longitudinal Sill, for Brake Side .....	.40
71A	Longitudinal Sill .....	.40
72	Cross Sill .....	.30
73	Truss Rod, 3/8 x 4 feet 9 inches .....	.15
74	G. F. Rod, 3/8 x 3 feet 6 inches .....	.10
75	G. F. Rod, 3/8 x 35 1/2 inches .....	.10
76	Gallows Frame	5.00
77	Roller Bearing Pedestal, with Rolls and Washers for 1 1/2-inch Axle	1.25
77A	Roller Bearing Box only .....	.50
77B	Rolls for Same	each .05
77C	Washer for Same	each .05
78	Fibre Bushing, 1 1/2-inch Axle. . . . .	.50
79	Fibre Bushing, 1 3/4-inch Axle. . . . .	.60
80	Fibre Bushing, 2-inch Axle. . . . .	.66
82	Steel Washer for 1 1/2-inch Axle, 1 1/4 x 2-inch x 1/8-inch .....	.05
83	Steel Washer for 1 1/2-inch Axle, 1 1/4 x 2 1/2-inch .....	.05
84	Special Washer for 1 1/2-inch Axle, 1 1/2 x 2 1/2-inch .....	.15
85	Fibre Washer for 1 1/2-inch Axle, 1 1/8 x 2-inch .....	.10
86	Fibre Washer for 1 1/2-inch Axle, 1 1/4 x 2 3/8-inch .....	.10
87	Special Fibre Washer for 2-inch Axle .....	.15
88	Tool Box Board .....	.10
89	Tool Box Board .....	.10
90	Tool Box Board .....	.15
91	Chair Post, for Inspection Hand Car	1.00
92	Brake Lever, for Inspection Hand Car .....	.25
93	Top Plate, for Chair .....	.90
94	Bottom Plate, for Chair	1.00
109	Brake Toggle .....	.25
MS-284	Settee Arm .....	.75
MS-285	Settee Center Arm .....	.70

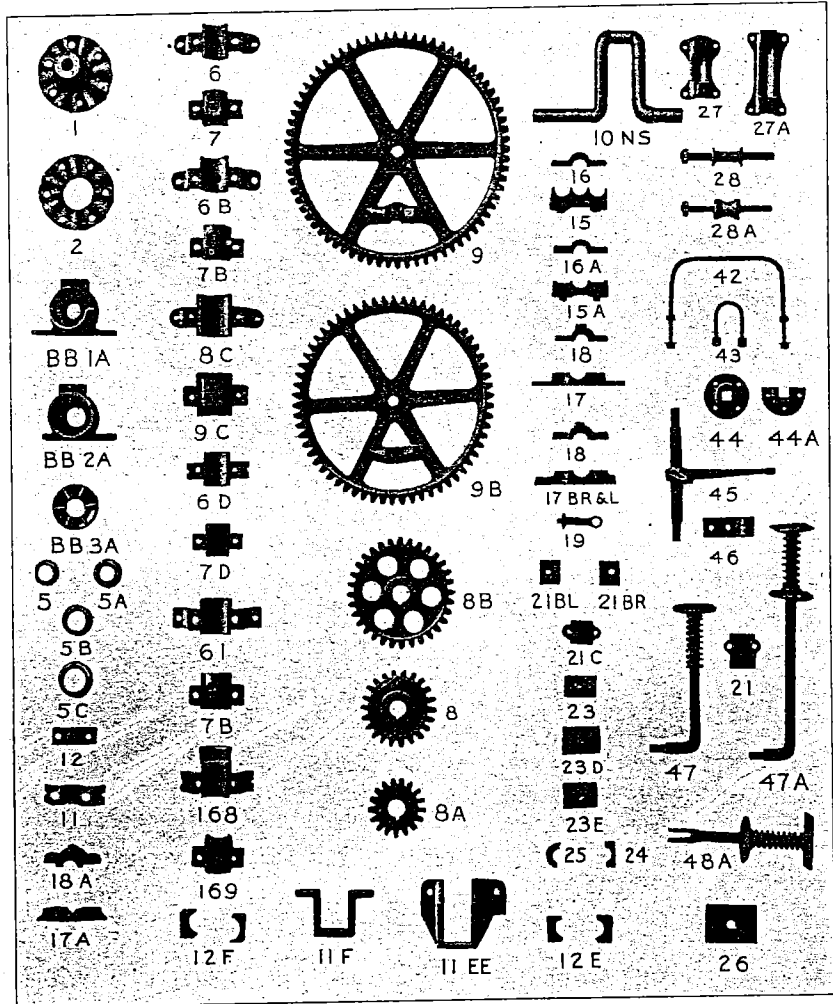
NOTE—The following parts are not illustrated:

No.	Description.	Wheel Fits	
		Straight.	Taper.
X 1	1 1/2-in. Driving Axle No. 1, 4 ft. 8 1/2 in. Ga.	\$2.30	\$2.50
X 2	1 1/2-in. Trailing Axle No. 1, 4 ft. 8 1/2 in. Ga.	2.00	2.25
X 3	1 3/4-in. Driving Axle No. 2, 4 ft. 8 1/2 in. Ga.	2.50	3.25
X 4	1 3/4-in. Trailing Axle No. 2, 4 ft. 8 1/2 in. Ga.	2.35	3.00
X 5	1 1/2-in. Driving Axle No. 1, Insulated	3.30	.....
X 6	1 1/2-in. Trailing Axle No. 1, Insulated	3.00	.....
X 7	1 3/4-in. Driving Axle No. 2, Insulated	3.60	.....
X 8	1 3/4-in. Trailing Axle No. 2, Insulated	3.35	.....
X 9	1 1/2-in. Driving Axle No. 3, O. S. Bearings, 36 in. Ga.	2.25	2.25
X 10	1 1/2-in. Trailing Axle No. 3, O. S. Bearings, 36 in. Ga.	2.00	2.00
X 11	1 1/2-in. Driving Axle No. 3, O. S. Bearings, 42 in. Ga.	2.40	2.40
X 12	1 1/2-in. Trailing Axle No. 3, O. S. Bearings, 42 in. Ga.	2.15	2.15

(Specify if driving axles are straight or taper pinion fit.)

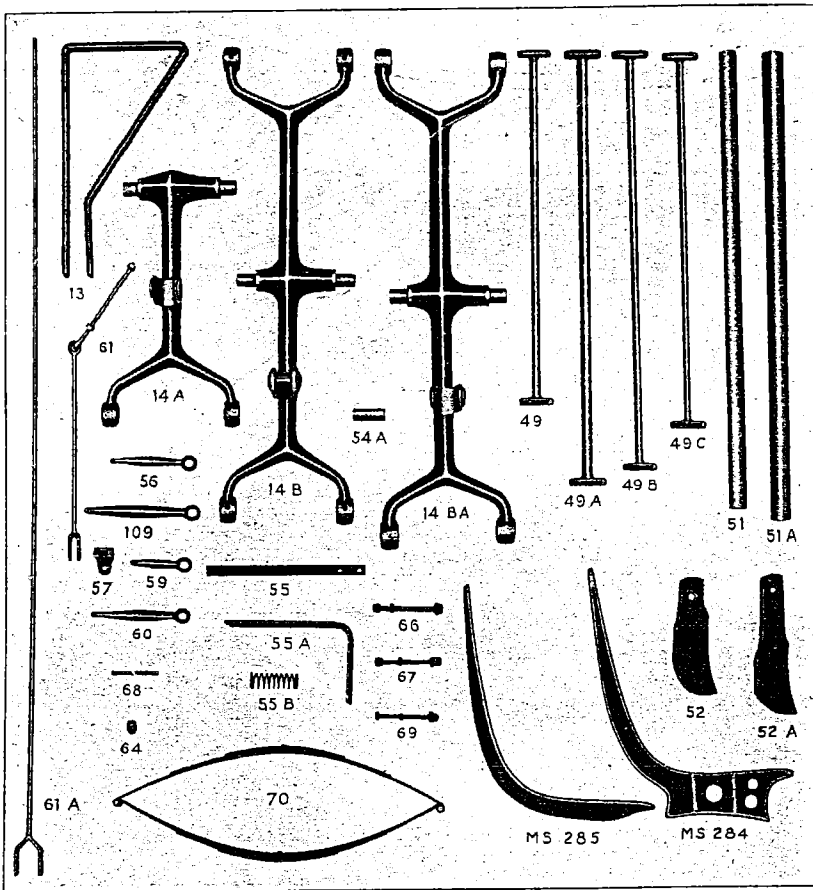
(ILLUSTRATIONS ON PAGES 5 AND 6)

Repair Parts of Buda Hand Cars



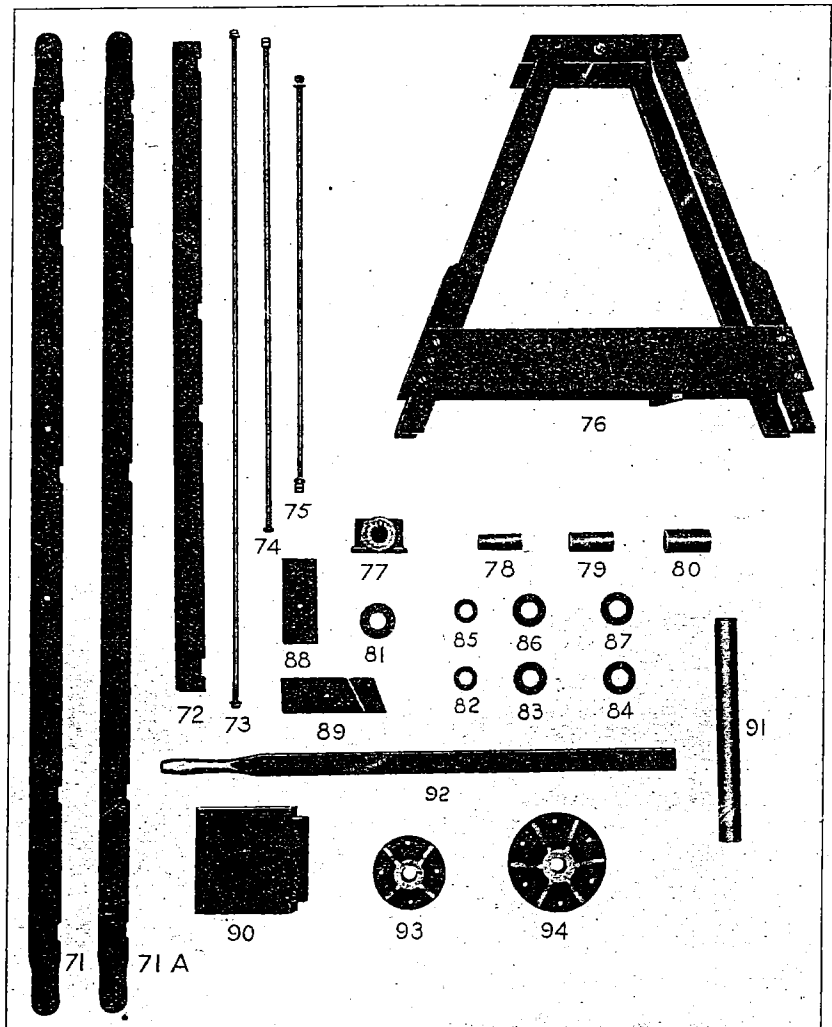
(DESCRIPTIONS ON PAGE 2)

Repair Parts of Buda Hand Cars



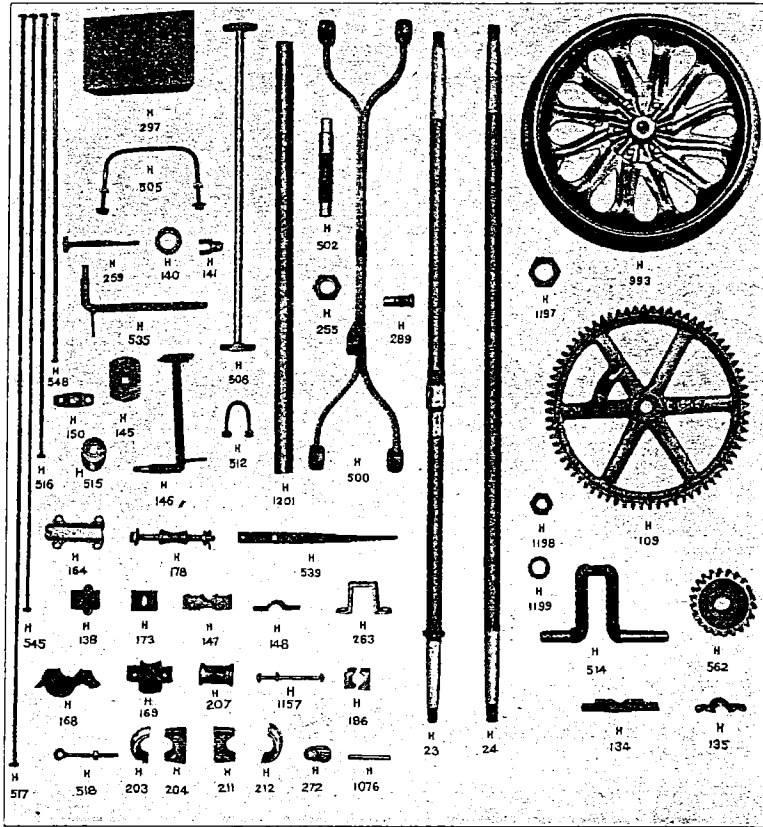
(DESCRIPTIONS ON PAGES 2 AND 3)

Repair Parts of Buda Hand Cars



(DESCRIPTIONS ON PAGE 3)

Repairs for No. 1 Harvey Hand Car



No.	Description.	Price.
H 23	1½-inch axle, taper fit for wheels and pinion.....	\$2.50
H 24	1½-inch axle, taper fit for wheels, loose.....	2.25
H 76	Roller Bearing Box, only, for 1½-inch Axle.....	.50
H 109	Drive Gear, 72 cut teeth, 1½-inch bore.....	3.00
H 134	Crank Box Base, babbitted .....	.15
H 135	Crank Box Cap .....	.15
H 138	Cross Truss Rod Clip.....	.05
H 140	Brake Washer .....	.05
H 141	Brake Hook .....	.05
H 145	Brake Step .....	.10
H 146	Brake Step with Post .....	.35
H 147-148	Walking Beam Box and Cap.....	.40
H 150	Gallows Frame Truss Bolt Holder.....	.05
H 164	Brake Post Sleeve .....	.15
H 168	Axle Box Base.....	.10
H 169	Axle Box Oil Cellar.....	.08

CONTINUED ON NEXT PAGE

Repairs for No. 1 Harvey Hand Car—Continued

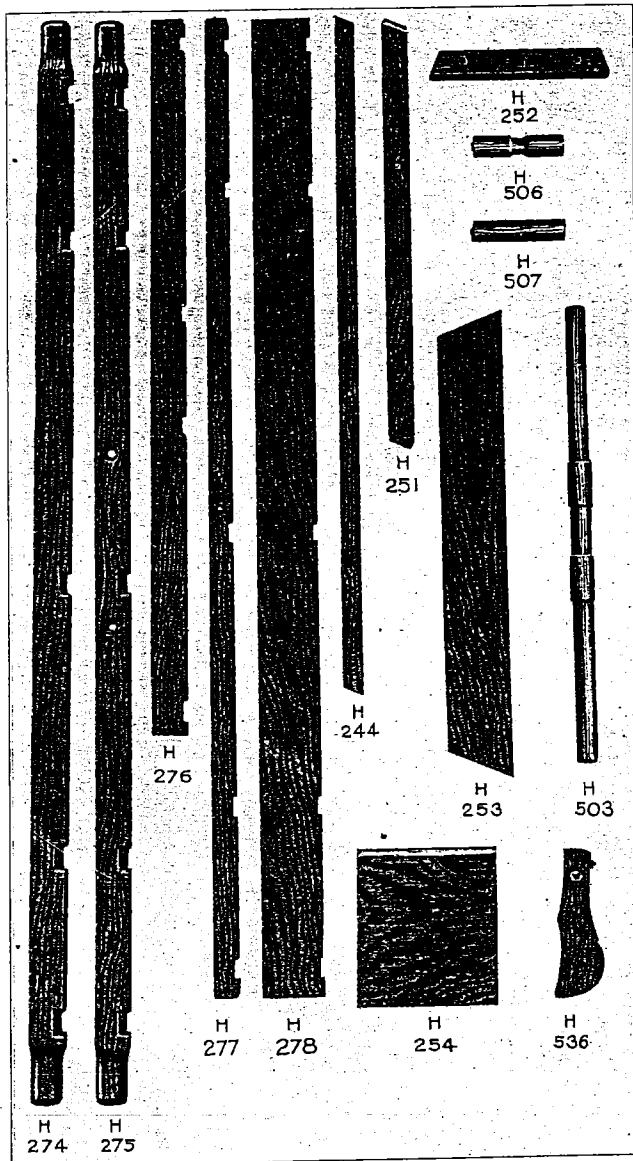
No.	Description.	Price
H 173	Cross Truss Rod Strain Plate.....	\$.05
H 178	Brake Stud with Washer and Spring Key.....	.15
H 186	Steady Box Bearing (2 pieces).....	.10
H203-204	Connecting Rod Brass Box—lower.....	.60
H 207	1 $\frac{1}{8}$ -inch Journal Bearing for Axle Box Oil Cellar.....	.20
H211-212	Connecting Rod Brass Box—upper.....	.60
H 244	Diagonal Frame Brace (Wood).....	.15
H 251	Gallows Frame, Upright.....	.20
H 252	Gallows Frame, Head with Spool.....	.30
H 253	Gallows Frame, Side Boards (2 pieces).....	.25
H 254	Gallows Frame, End Boards.....	.15
H 255	Walking Beam Rock Shaft Nut.....	.10
H 259	Brake Toggle Lever.....	.10
H 263	Steady Box Guide.....	.10
H 272	Oil Tube Cover.....	.04
H 274	Long Rail, Center.....	.50
H 275	Long Rail, Outside.....	.50
H 276	Cross Rail.....	.40
H 277	Top Rave.....	.30
H 278	Top Rave, High, No. 20 Car.....	.50
H 289	Walking Beam Wrist Pin.....	.15
H 297	Gallows Frame Steel Shield.....	.40
H 500	Walking Beam, Iron Only.....	3.50
H 502	Walking Beam, Rock Shaft.....	.30
H 503	Walking Beam Handle (Wood).....	.20
H 505	Tool Holder with Nuts and Washers.....	.15
H 506	Gallows Frame, Head Spool.....	.08
H 507	Gallows Frame, Lower Spool.....	.08
H 508	Connecting Rod only.....	.40
H 512	U-Bolt with Nuts for same.....	.05
H 514	Crank Finished.....	1.50
H 515	Bevel Washer for same.....	.04
H 516	Gallows Frame, Diagonal Truss Rod.....	.08
H 517	Longitudinal Truss Rod with nuts $\frac{1}{8}$ inch.....	.15
H 518	Longitudinal Truss Rod Strut.....	.15
H 535	Brake Post.....	.25
H 536	Brake Block.....	.15
H 539	Brake Spring.....	.20
H 545	Cross Truss Rod with Nuts $\frac{1}{8}$ inch.....	.10
H 548	Gallows Frame Truss Bolt.....	.10
H 562	Pinion Gear, 22 Cut Teeth, Taper Bore.....	1.00
H 993	20-inch Steel Wheel, Taper Bore.....	4.50
H1076	Oil Tube.....	.05
H1157	Bolt End with Nuts for Axle Box.....	.05
H1197	Center Nut for Pinion, 1 $\frac{1}{2}$ -inch Taper Axle.....	.12
H1198	End Nut for Wheels, 1 $\frac{1}{2}$ -inch Taper Axle.....	.10
H1199	Washer for Wheels, 1 $\frac{1}{2}$ -inch Taper Axle.....	.05
H1201	Walking Beam Handle—Iron.....	1.00
H1248	Roller Bearing Box, Complete with Rolls and Washers for 1 $\frac{1}{2}$ -inch Axle.....	1.25
H1285	Rolls for same, each.....	.05
H1286	Washers for same, each.....	.05

SPECIAL NOTE:

Repair parts for the No. 1 Harvey hand car are separately shown from those which pertain to our other cars. This is also true with regard to the No. 4 Harvey push car, the latter being shown on page 12. Make a special note of this and avoid confusion.

(ILLUSTRATIONS ON PAGES 7 AND 9)

Repairs for No. 1 Harvey Hand Car



(DESCRIPTIONS ON PAGES 7 AND 8)

List of Repair Parts for Buda Push Cars

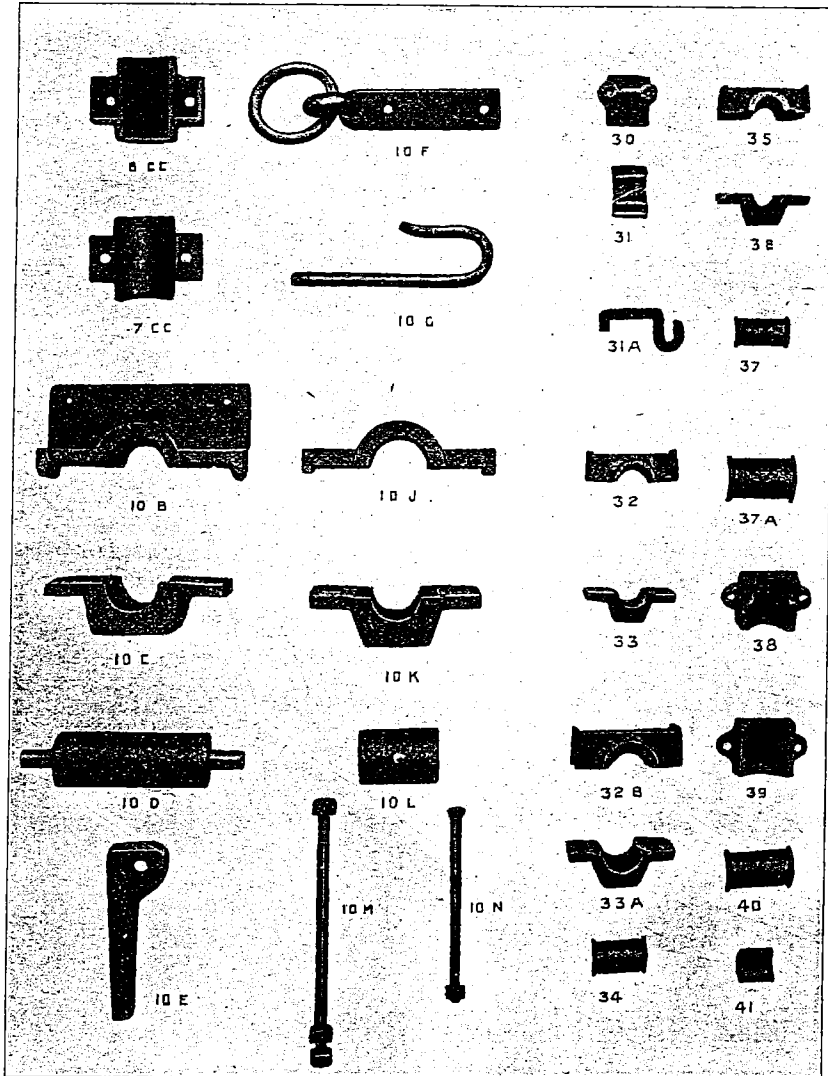
No.	Description.	Price.
6CC	Pedestal (Babbitted)	each \$.50
7CC	Cellar	each .25
10B	Pedestal (Babbitted)	each 1.25
10C	Cellar	each .50
10D	Roller . . . . .	.50
10E	Roller Bracket . . . . .	.60
10F	Bull Ring	1.50
10G	Hook . . . . .	.40
10J	Pedestal	}set (4 each) 6.00
10K	Cellar	
10L	Brass	
10M	Pedestal Bolt, 3/4-inch . . . . .	.15
10N	C. S. H. Strap Bolt, 5/8-inch . . . . .	.10
30	Double Truss Rod Cap . . . . .	.10
31	Double Truss Rod Bearing . . . . .	.05
31A	Truss Rod Clip . . . . .	.15
32	Pedestal for 1 1/2-inch Axle	}set (4 each) 1.25
33	Cellar for 1 1/2-inch Axle	
32B	Pedestal for 1 3/4-inch Axle	}set (4 each) 1.35
33A	Cellar for 1 3/4-inch Axle	
34	Brass for 1 1/2-inch Axle	set (4 each) 1.25
35	Pedestal for N. G. Axle	}set (4 each) 1.00
36	Cellar for N. G. Axle	
37	Brass 1 1/2-inch for N. G. Axle	set (4 each) 1.50
37A	Brass for Axle	set (4 each) 1.75
38	Pedestal for 1 3/4-inch Axle—Special	}set (4 each) 1.25
39	Cellar for 1 3/4-inch Axle—Special	
40	Brass for 1 3/4-inch Axle	set (4 each) 1.50
41	Brass for 1 3/4-inch Axle	set (4 each) 1.25

NOTE—The following parts are not illustrated:

No.	Description.	Wheel Fits	
		Straight.	Taper.
X13	1 1/2-in. Trailing Axle No. 6	\$2.00	\$2.25
X14	1 3/4-in. Trailing Axle No. 7	2.35	3.00
X15	2 -in. Trailing Axle No. 6 1/2	2.75	3.25
X16	1 1/2-in. Trailing Axle, Insulated	3.00	. . . .
X17	1 3/4-in. Trailing Axle, Insulated	3.35	. . . .
X18	2 -in. Trailing Axle, Insulated	3.70	. . . .
X19	1 1/2-in. Trailing Axle, 36-in. Gauge	2.00	2.00
X20	1 3/4-in. Trailing Axle, 36-in. Gauge	2.35	3.00
X21	2 -in. Trailing Axle, 36-in. Gauge	2.75	3.25
X22	2 1/2-in. Trailing Axle, No. 10 or No. 11 Iron Car, 4-ft. 8 1/2-in. Gauge	5.35	. . . .

(ILLUSTRATIONS ON PAGE 11)

Repair Parts of Buda Push Cars



(DESCRIPTIONS ON PAGE 10)

Repairs for No. 4 Harvey Push Car

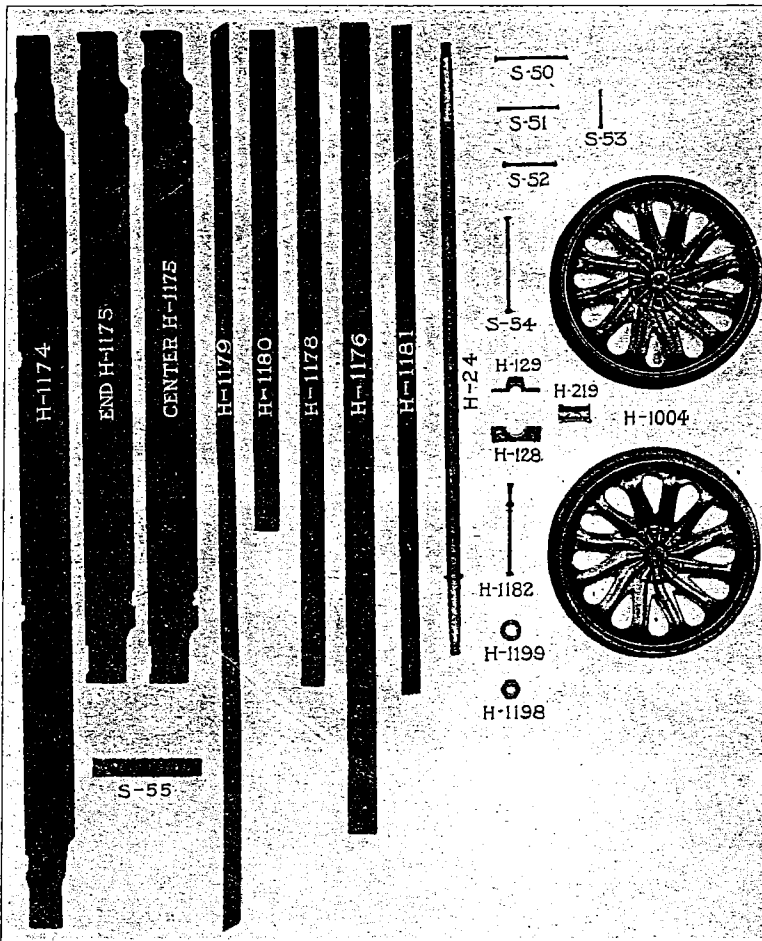
Symbol.	No. Req'd.	Description.	Each.
S 50	4	$\frac{1}{8}$ " x 7 $\frac{1}{2}$ -inch Counter Sunk Bolts.....	\$0.05
S 51	8	$\frac{1}{8}$ " x 6 $\frac{1}{2}$ -inch Counter Sunk Bolts.....	.05
S 52	8	$\frac{3}{8}$ " x 5 $\frac{1}{2}$ -inch Carriage Bolts.....	.05
S 53	8	$\frac{3}{8}$ " x 4 $\frac{1}{2}$ -inch Lag Screws.....	.05
S 54	8	$\frac{3}{8}$ " x 10 -inch Carriage Bolts.....	.05
S 55	4	Pedestal Blocks .....	.10
H 24		1 $\frac{1}{2}$ -inch Axle, Taper Wheel Fit.....	2.25
H 128		Axle Box Base .....	.10
H 129		Axle Box Oil Cellar.....	.10
H 219		Journal Bearing .....	.25
H1004		20-inch Steel Wheel Taper Bore (one loose fit and one drive fit)	4.00
H1174		Long Rail .....	.85
H1175		Cross Rail (End).....	.60
H1175		Cross Rail (Center).....	.60
H1176		Top Rave .....	.50
H1178		Deck Cleat (Wood).....	.25
H1179		Diagonal Frame Brace (Wood).....	.40
H1180		Long Rail Tie Strip (Wood).....	.25
H1181		Iron Deck Straps.....	.50
H1182		Bolt End for Axle Box with Nuts.....	.10
H1198		End Axle Nut.....	.10
H1199		1 $\frac{1}{2}$ -inch Axle Washer.....	.05

SPECIAL NOTE:

The repair parts for the No. 4 Harvey push car are shown separately, as are also those of the Harvey No. 1 hand car, the latter being shown on pages 7 and 8. Note this and avoid confusion.

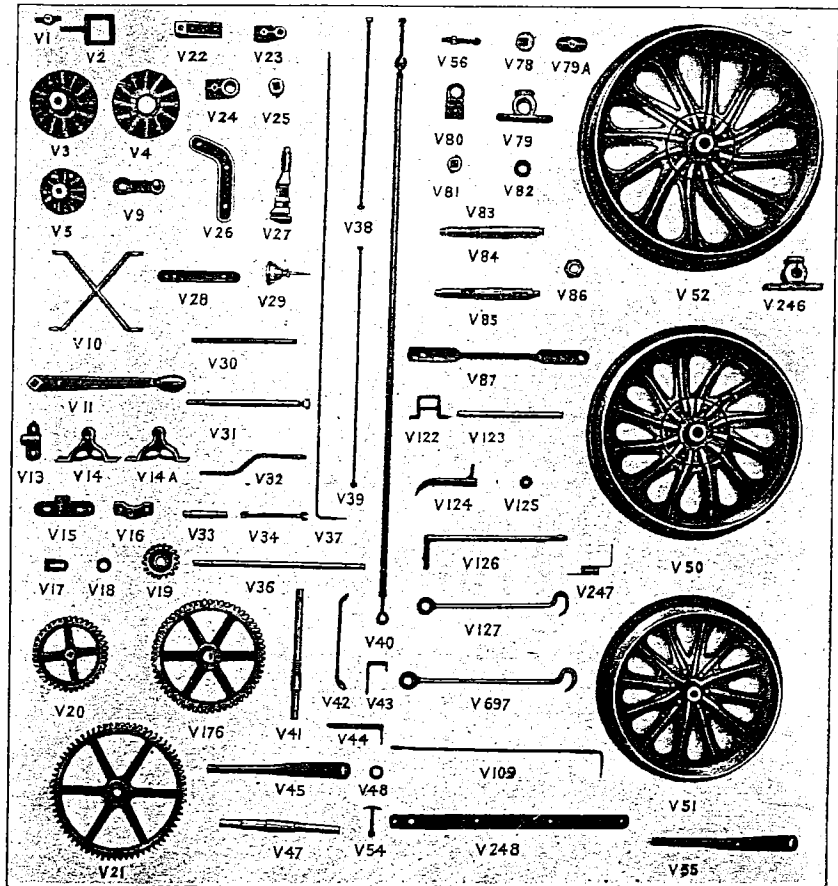
(ILLUSTRATIONS ON PAGE 13)

Repairs for Harvey No. 4 Push Car



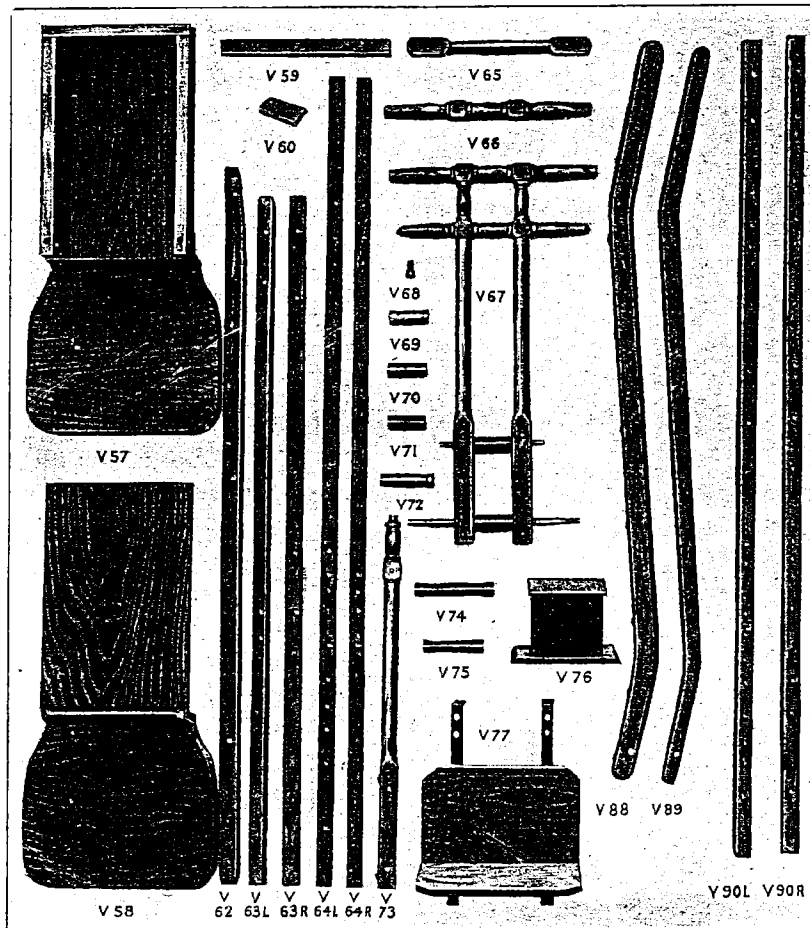
(DESCRIPTIONS ON PAGE 12)

Repair Parts for Buda Velocipedes



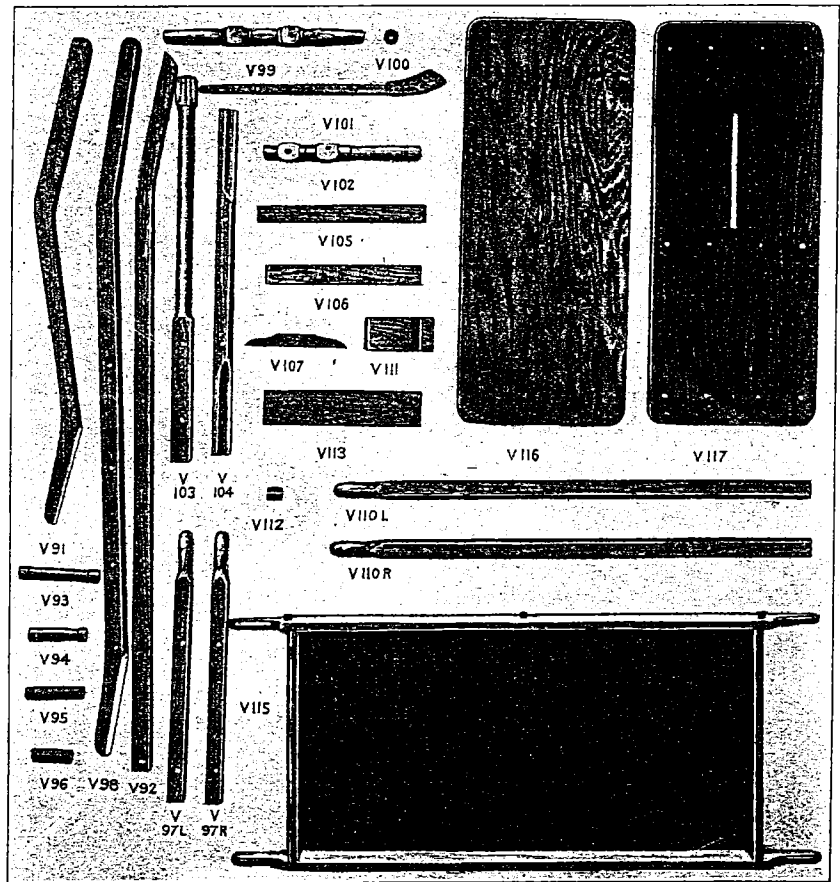
No.	Description.	Car No.	Price.
V 1	Thumb Nut	1-2-3-4	\$0.05
V 2	Guide Arm Clamp.....	1-2-3-4	.15
V 3	Large Hub for 17-in. and 20-in. Wheel.....	1-2-3-4	.75
V 4	Large Hub for Collar.....	1-2-3-4	.25
V 5	Small Hub for 14 1/2-in. Wheel.....	1-2-3-4	.75
V 6	Collar	1-2-3-4	.25
V 7	R. H. Foot Rest.....	1-2-3-4	.30
V 8	L. H. Foot Rest.....	1-2-3-4	.30
V 9	Crank for drive gear Axle.....	1-2-3-4	.25
V10	Cross Brace	1-2-4	.25
V11	Brake Lever	1-2-3	.25
V12	Pedestal, plain bearing	1-2-3-4	.25
V13	Hanger Bracket	1-2-3-4	.15
V14	Propelling Lever Bracket Drilled 33-64 in.....	1-2-4	.20
V14A	Propelling Lever Bracket Drilled 41-64 in.....	3	.25
V15	Drive Gear Box.....	1-2-3-4	.25
V16	Idler Gear Bracket.....	1-2-3-4	.15
V17	Arm Stop	1-2-3-4	.05
V18	Collar for Guide Wheel Axle.....	1-2-3-4	.10

Repair Parts for Buda Velocipedes



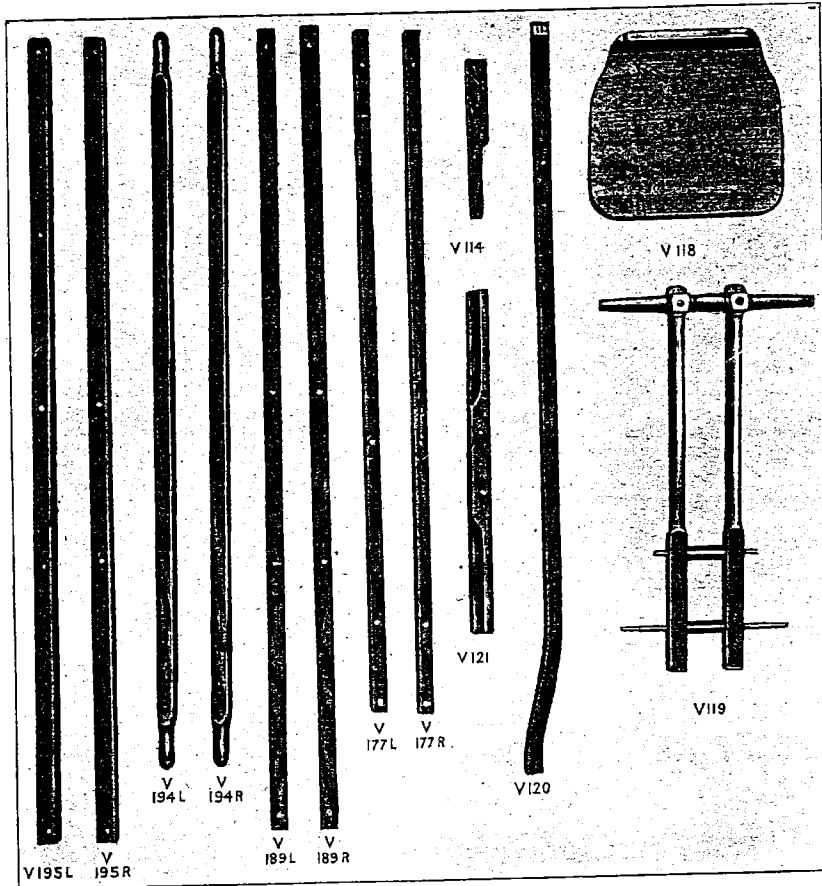
No.	Description.	Car No.	Price.
V19	Pinion, 17 Cut Teeth.....	1-2-3-4	\$0.50
V20	Idler Gear, 38 Cut Teeth.....	1-2-3-4	1.00
V21	Drive Gear, 70 Cut Teeth, 12 in. diam.....	1-2-3-4	2.00
V22	Brake Shoe Head with Set Screw.....	1-2-3	.15
V23	Brake Bracket.....	1-2-3	.15
V24	Brake Bracket for R. H. Brake.....	1-2-3	.15
V25	Brake Stop for R. H. Brake.....	1-2-3	.25
V26	Guide Arm Hinge.....	3	.10
V27	Wrench.....	1-2-3-4	.20
V28	Friction Plate.....	1-2-3-4	.15
V29	Oil Can.....	1-2-3-4	.06
V30	Rocker Shaft, ½ in. diam.....	1-2-3-4	.15
V31	Brake Shaft (with nut and spring cotter).....	1-2-3	.25
V32	Idler Brace.....	1-2-3-4	.15
V33	Idler Gear Shaft.....	1-2-3-4	.40
V34	Arm Strut.....	1-2-3-4	.10
V35	Arm Strut.....	1-2-3-4	.10

Repair Parts for Buda Velocipedes



No.	Description.	Car No.	Price.
V36	Foot Rest Hook Shaft.....	1-2-3-4	\$0.25
V37	Guide Arm Truss Rod for 4 ft. 8½-in. Ga.....	1-2-3-4	.20
V38	Lever Handle Rod.....	1-2-4	.10
V39	Tool Box Rod.....	3	.08
V40	Guide Arm Brace.....	1-2-4	.75
V41	Drive Gear Shaft (with nut).....	1-2-3-4	.75
V42	Brace.....	3	.15
V43	Foot Rest Clip.....	2	.25
V44	Brace for Tool Box.....	3	.10
V45	Guide Wheel Axle.....	3	.75
V48	Washer for Crank.....	1-2-3-4	.03
V49	Wheel, 17-in.	1-2-3-4	5.00
V50	Wheel, 17-in., without axle.....	1-2-3-4	5.00
V51	Guide Wheel, 14½-in., without axle.....	1-2-3-4	3.50
V52	Wheel, 20-in., without axle.....	1-2-3-4	5.50
V54	Guide Arm Tee Bolt.....	1-2-3-4	.10
V55	Guide Wheel Axle.....	1-2-4	.75
V56	Brace Pin.....	1-2-4	.10
V57	Seat with rail.....	1	1.75

Repair Parts for Buda Velocipede Cars

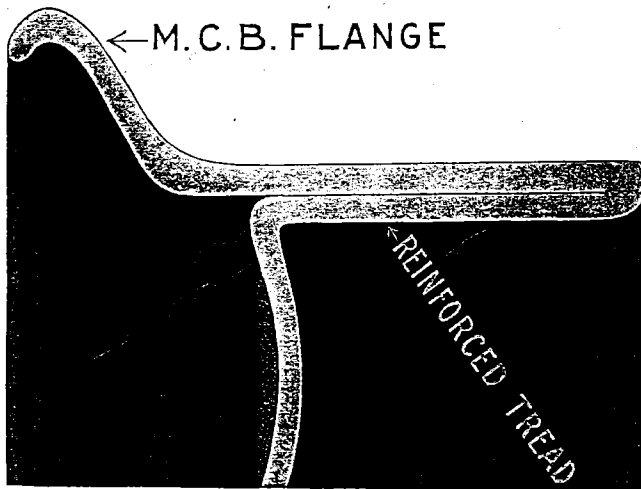


No.	Description.	Car No.	Price.
V58	Seat	2-3	\$1.50
V59	Seat Riser	1-2-4	.10
V60	Brake Shoe	1-2-3	.10
V61	Brake Handle	1-2-3-4	.30
V62	Guide Arm	1-2-4	1.00
V63R	Top Side Rail, Right Hand	1-2-4	.50
V63L	Top Side Rail, Left Hand	1-2-4	.50
V64R	Bottom Side Rail, Right Hand	1-2-4	.50
V64L	Bottom Side Rail, Left Hand	1-2-4	.50
V65	Drive Rod	1-2-3-4	.25
V66	Top Cross Handle for Propelling Lever	1-2-4	.25
V67	Lever Complete	1-2-4	2.25
V68	Seat Spool	1	.10
V69	Top Lever Spool	1-2-4	.15
V70	Center Lever Spool	1-2-3	.10
V71	Bottom Lever Spool	1-2-3-4	.10
V72	Short Lever Spool	1-2-4	.15
V73	Combination Lever Upright	1-2-4	.40
V74	Frame Cross Spool	1-2-4	.15

Repair Parts for Buda Velocipede Cars—Continued

No.	Description.	Car No.	Price.
V 75	Frame Upright Spool.....	1-2-4	\$0.15
V 76	Tool Box	1-2-3-4	.75
V 77	Foot Rest	2	1.50
V 78	Cap Nut	1-2-3-4	.30
V 79	Pedestal for Ball Bearing.....	1-2-3-4	.25
V 79A	Seat Clamp	4	.50
V 80	Brake Bracket for L. H. Brake.....	1-2-3	.15
V 81	Brake Stop for L. H. Brake.....	1-2-3	.25
V 82	Ball Bearing Cup.....	1-2-3-4	.10
V 83	Balls for Ball Bearing, 8 per set, 15c. $\frac{3}{8}$ in., 2c each.....	1-2-3-4	...
V 84	Front Axle Ball Bearing (with nut).....	1-2-3-4	1.00
V 85	Rear Axle Ball Bearing (with nut).....	1-2-3-4	1.00
V 86	Nut Drive Gear Axle, Rear and Front Wheel Axle.....	1-2-3-4	.10
V 87	Connecting Rod	4	.50
V 88	Guide Arm, Iron bound, for 4-ft. $8\frac{1}{2}$ -in. gauge.....	3	2.50
V 89	Guide Arm, Wood only, for 4-ft. $8\frac{1}{2}$ -in. gauge.....	3	1.00
V 90R	Bottom Side Rail, Right Hand.....	3	.50
V 90L	Bottom Side Rail, Left Hand.....	3	.50
V 91	Guide Arm, 3 ft. 0 in. Gauge.....	1-2-4	1.25
V 92	Guide Arm Brace, Wood only.....	3	1.00
V 93	Frame Cross Spool	3	.15
V 94	Frame Upright Spool	3	.15
V 95	Spool for Guide Arm Brace Extension.....	3	.10
V 96	Lever Spool	3	.10
V 97R	Front Upper Rail, Old Style, Right Hand.....	3	.40
V 97L	Front Upper Rail, Old Style, Left Hand.....	3	.40
V 98	Guide Arm, Iron Bound, for 4 ft. $8\frac{1}{2}$ -in. Gauge.....	1-2-4	2.50
V 99	Top Handle for Propelling Lever.....	3	.25
V100	Handle Spreader	3	.05
V101	Brake Shoe and Clip	4	.80
V102	Brake Lever	4	.30
V103	Lever Side Handle	3	.70
V104	Foot Rest	4	.50
V105	Seat Riser, Rear	3	.10
V106	Seat Riser, Front	3	.10
V107	Tray Riser	3	.10
V108	Foot Rest Hanger.....	1-2-3-4	.30
V109	Guide Arm Truss Rod for 36" Gauge.....	1-2-3-4	.25
V110R	Rear Top Rail, Old Style, Right Hand.....	3	.40
V110L	Rear Top Rail, Old Style, Left Hand.....	3	.40
V111	Seat Cleat	4	.20
V112	Spreader for Brake Lever	4	.05
V113	Seat Cleat	4	.25
V114	Guide Arm Brace Support.....	3	.20
V115	Tray	1-3	2.50
V116	Seat Top Board	4	.50
V117	Seat Bottom Board	4	.50
V118	Front Seat	3	.50
V119	Propelling Lever Complete	3	3.25
V120	Tray Support	1	.50
V121	Lever Foot Rest	3	.50
V122	Brake-Shoe Guide	4	.25
V123	Lever Shaft $\frac{3}{8}$ diameter	3	.25
V124	Foot Rest Stirrup.....	1-2-3-4	.20
V125	Foot Rest Distance Washers (and bolt).....	1-2-3-4	.10
V126	Foot Rest Hanger.....	1-2-3-4	.30
V127	Carriage Bolts, $\frac{3}{8}$ x $1\frac{1}{2}$	1-2-3-4	.50
V128	Foot Rest Hook 12 in. C to C.....	1-2-3	.40
V129	Seat Board	1-2-3-4	.75
V130	Rack Board	1-2-3-4	.60
V131	Front Rack Strip	1-2-3-4	.15
V132	Back Rack Strip	1-2-3-4	.15
V133	Seat Back	1-2-3-4	.15
V134	Rack Side Rails	1-2-3-4	.10
V135	Rack End	1-2-3-4	.10
V136	Tool Box Cover	1-2-3-4	.25
V137	Tool Box Bottom	1-2-3-4	.15
V138	Tool Box Sides	1-2-3-4	.10
V139	Tool Box Ends	1-2-3-4	.10
V176	Drive Gears 58 Cut Teeth, 10 in. diam.....	1-2-3-4	1.75
V177R	Upper Rail for Low Gear Car.....	1-2-4	.50
V177L	Lower Rail for Low Gear Car.....	1-2-4	.50
V189R	Lower Rail for Low Gear Car.....	1-2-4	.50
V189L	Lower Rail for Low Gear Car.....	1-2-4	.50
V194R	Upper Rail for Low Gear Car, New Style.....	3	.50
V194L	Upper Rail for Low Gear Car, New Style.....	3	.50
V195R	Lower Rail for Low Gear Car, New Style.....	3	.50
V195L	Lower Rail for Low Gear Car, New Style.....	3	.50
V246	Ball Bearing Pedestals complete with Balls.....	1-2-3-4	.65
V247	Spring for Brake	4	.50
V248	Guide Arm Strap for 3 ft. Gauge.....	1-2-4	.50
V697	Foot Rest Hook, 14 in. C to C.....	1-2	.50

Buda Pressed Steel Wheels



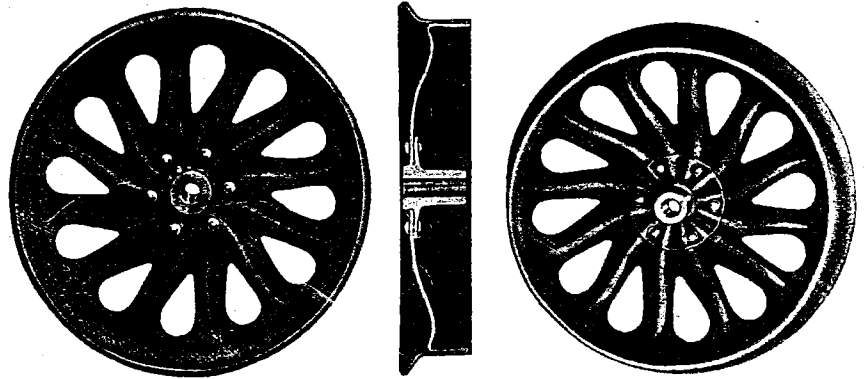
The Strength of Buda Pressed Steel Wheels is Apparent

The general design and reinforced features of the Buda pressed steel wheel is shown in this illustration. The wheel is spun into shape while hot so that it comes from the press perfectly true and requires no machine work.

We call special attention to the reinforced tread. Examination of worn out hand car wheels will show that the wear comes on that part of the tread where we have arranged our reinforcement—wheels do not wear out where the metal bends up into the flange. The quickest way to ascertain this fact is to examine the scrap heap of old wheels. Wheels which are reinforced at this latter point are not any more durable; in fact they are weakened because the extra metal is rolled out of the tread, making it thinner than it otherwise would be.

It will be readily seen that in other wheels when the metal is partly worn through on the tread they are weakened correspondingly; whereas with our style of reinforcement the tread may be worn nearly through and yet be as strong (owing to the double thickness) as other wheels are when new. Buda wheels have M. C. B. flange which prevents derailments on curves and at switches, thus avoiding annoyance and accidents.

Buda Pressed Steel Wheels



Inside View of Buda Wheel

Sectional View
of Buda Wheel

Outside View of Buda Wheel

Note reinforced flange and that the web of the wheel supports the load in a nearly vertical line, being slightly arched to strengthen it against side thrust.

SIZES AND LIST PRICES OF BUDA WHEELS

Diameter.	Thickness.	Taper or Straight wheel seats. Price each.
14 inches.....	$\frac{3}{16}$ inch.....	\$3.25
17 ".....	$\frac{3}{8}$ ".....	3.50
17 ".....	$\frac{1}{4}$ ".....	3.75
17 ".....	$\frac{5}{16}$ ".....	4.20
18 ".....	$\frac{3}{8}$ ".....	3.75
18 ".....	$\frac{1}{4}$ ".....	4.00
18 ".....	$\frac{5}{16}$ ".....	4.30
20 ".....	$\frac{3}{8}$ ".....	4.00
20 ".....	$\frac{1}{4}$ ".....	4.30
20 ".....	$\frac{5}{16}$ ".....	4.60
24 ".....	$\frac{3}{8}$ ".....	4.50
24 ".....	$\frac{1}{4}$ ".....	4.85
24 ".....	$\frac{5}{16}$ ".....	5.25