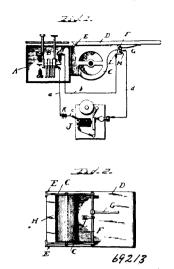
device, a circuit therefor, a pair of contacts arranged in said circuit, an arm-rest connected to one of said contacts, and means for yield-



ingly maintaining said arm-rest in position for said contact to make connection with the other of said contacts, as and for the purpose set forth. 5th. In a telautograph, supporting brackets, an arm-rest pivoted at one end upon said brackets, a spring for yieldingly supporting the other end of said arm-rest, a signal device, a circuit therefor, and means whereby when such arm-rest is depressed said circuit is broken, and when said arm-rest is raised said circuit is closed, as and for the purpose set for. 6th. In a telautograph, a master switch, a signal device and an arm-rest, said switch and arm-rest both arranged to control said signal device, as and for the purpose set forth.

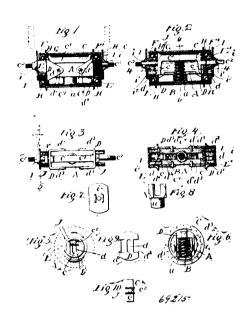
No. 69,214. Cipher Code System. (Système de caracté es de convention pour correspondance secrète.)

DANNA '	36 1	11 Fig 4
	- A	
fall	lour felegram received.	SAD SAND STABISTAND SAG 6TAG SANG SACK SANK STACK
fast	Your telegrum not received.	
la it	Telegram received and understood	fail 9020 021 022 023 024 025 026 027 028 029
flog	Telegram not understood	flog 030 031 032 033 034 033 036 037 038 039
flom	helerring to your telegramof	_ fiam 040 041 042 043 044 043 046 047 048 049
flap	Referring to my telegram of c	Fige 050 051 052 053 054 055 056 057 058 059
a fiai	Wire me al once	flat 7060 061 062 063 064 065 066 067 068 069
fice	Wire full particulars	fluw 070 071 072 073 074 075 076 077 076 079
11.3	Will wire full particulars	flip 080 081 082 083 084 083 086 087 088 089
2	Advise by wire when doise	[]() 090 091 097 091 091 095 006 091 out out out
	•	The same of the case of the ca
DUMB.	Fi@ 2	
B	24.	IQ 5
. 30	∞	<i>x</i>
fall	four letter received	SHAG SHACK STALL SAM SASH SLASH SAP SLAP SHAP SLAT
fast	Your letter not received	
, foil	Letter received and understood	
Dilog	Letter not understood	
fiam	Referring to your letter of	
rias	Referring to my letter of	
(lo)	Write me at once	
flaw	Write full particulars	
flip	Will write full particulars	file 15 14 15 16 11 18 19
fish	Advise by letter when done	
A	203 x	flit _ 50 91 97 95 94 95 96 97 99 99
	TO DRUB DRUG DRUM DUMP DU	
(all	imension length length length length length	(1) foil 100 ioi io2 io5 io4 io5 io6 io7 ioe io9
. Cost	1 12 171 1411 1611 1611 201	t fost 110 iii 112 115 114 115 116 117 118 119
r fail	2 x 12 12f1 14f1 16f1 18f1 201	foil: 120 121 122 123 124 125 126 127 129 129
	3 x 12 12f1 14f1 16f1 18f1 201	flog 130 131 132 133 134 135 136 137 138 139
fiag	4 x 12 12ft 14ft 16ft 18ft 201	from 140 has 142 143 has 145 las 147 has 149
flap	1011 6 201	1 Price 150 151 152 153 154 155 156 157 158 159
flat	1011 1011 1011 201	1 (10) 160 161 162 163 164 (15 166 167 168 169
flaw		1 flow 170 171 172 173 174 175 176 177 178 179
flip	12 x 12 12ft 14ft 16ft 18ft 201	!! [lip 160 l81 l82 l85 l84 l85 l86 l87 l88 l89
6.7	10 x 14 12ft 14ft 16ft 18ft 20f	1 flit 100 191 192 193 194 195 196 197 198 199
114	10 x 16 12ft 14ft 18ft 18ft 20i	1 K 220 K
		69214

Elmer F. Cassel, Seattle, Washington, U.S.A., 2nd November, 1900; 6 years. (Filed 8th August, 1900.)

Claim.—1st. A cipher code in which words or syllables capable of literal translation are so compounded as to form complete cipher words without literal meaning, as set forth. 2nd. A cipher code in which single code words or characters are formed of two united parts or syllables indicating respectively a definition and a group of definitions, as set forth. 3rd. A cipher code consisting of a series of groups each indicated by a word or syllable and containing a series of definitions, each of which latter is also designated by a word or syllable, said words or syllables when united forming a cipher word without literal meaning, as set forth. 4th. A cipher code consisting of a series of groups each indicated by a word or syllable and containing a series of definitions, each of which latter is also designated by a line word or syllable, said line words or syllables being the same for each group, arbitrary cipher words being formed by compounding said page and line words or syllables as set forth.

No. 69,215. Electric Hub and Axle. (Moyeu et essieux.)



Frank Schmitz, Chicago, Illinois, U.S.A., 2nd November, 1900; 6 years. (Filed 28th July, 1900.)

Claim, -1st. The combination with an axle box, an axle vertically guided therein having guiding legs at its opposite ends, of longitudinally adjustable caps upon the ends of the axle box and adapted to bear upon said guiding legs, and a bearing cone adjustably secured upon the axle box and capable of longitudinal adjustment thereon to tighten the caps upon the axle, substantially as described. 2nd. The combination with an axle box and an axle vertically guided therein, having guiding legs near its ends, of bearing cones secured upon the ends of the axle box and longitudinally adjustable thereon and means adjustable by and with said cones for engaging the guiding legs of the axle to prevent oscillation of the axle with respect to the axle box, substantially as described. 3rd. The combination with a channelled axle box, of an axle guided therein having guide legs near the opposite ends of the axle box and caps arranged upon the ends of the axle box and extending around the sides thereof, said caps being guided both upon the ends and sides of the axle box and bearing upon the guide legs of the axle, substantially as described. 4th. The combination with a channelled axle box, of an axle yieldingly supported in said axle box, plates secured upon said axle and formed with vertical guides adapted to engage the axle box and prevent rotation of the box with respect to the plates, and means for securing the plates themselves against rotation, substantially as described.

No. 69,216. Pump. (Pompe.)

Fraser and Chalmers, Chicago, Illinois, U.S.A., assignee of John Stumf, Rankestrasse 27, Berlin, Prussia, 2nd November, 1900; 6 years. (Filed 12th October, 1900.)

Claim—1st. In a pump, the combination with the pressure chamber, of a piston, suction valve and pressure valve in conaxial alignment, the suction valve being about the piston, substantially as described. 2nd. In a pump, the combination with the pump casing of a discharge chamber therein, provided with a discharge opening, and a pressure chamber casing in the discharge chamber and exposed circumferentially to the pressure therein, substantially as and for the purpose set forth. 3rd. In a pump, the combination with the pump casing of a discharge chamber therein, provided with a discharge opening, and a frusto-conical pressure chamber casing in the discharge chamber and exposed circumferentially to the pressure therein, substantially as and for the purpose set forth. 4th. In a pump, the combination with the pump casing of a discharge chamber therein, provided with a discharge opening, a pressure chamber casing within and surrounded by the discharge chamber, a piston working in the pressure chamber, a valved suction port about the piston and a valved pressure port leading to the discharge chamber, substantially as described. 5th. In a pump, the combination with the pump casing of a discharge chamber casing within and surrounded by the discharge chamber a piston working in the pressure chamber, a valved suction port about the piston, and a valved pressure port below the top of the pressure chamber leading to the discharge chamber, substantially as described. 6th. In a pump, the combination with the pump casing of a discharge chamber therein, provided with a discharge opening, a pressure chamber chamber heading to the discharge chamber, substantially as described. 6th. In a pump, the combination with the pump casing of a discharge chamber therein, provided with a discharge opening, a pressure chamber therein, provided with a discharge opening, a pressure chamber therein, provided with a discharge opening, a pressure chamber therein, provided with a discharge opening, a piston working in the pressure chamber, a valved