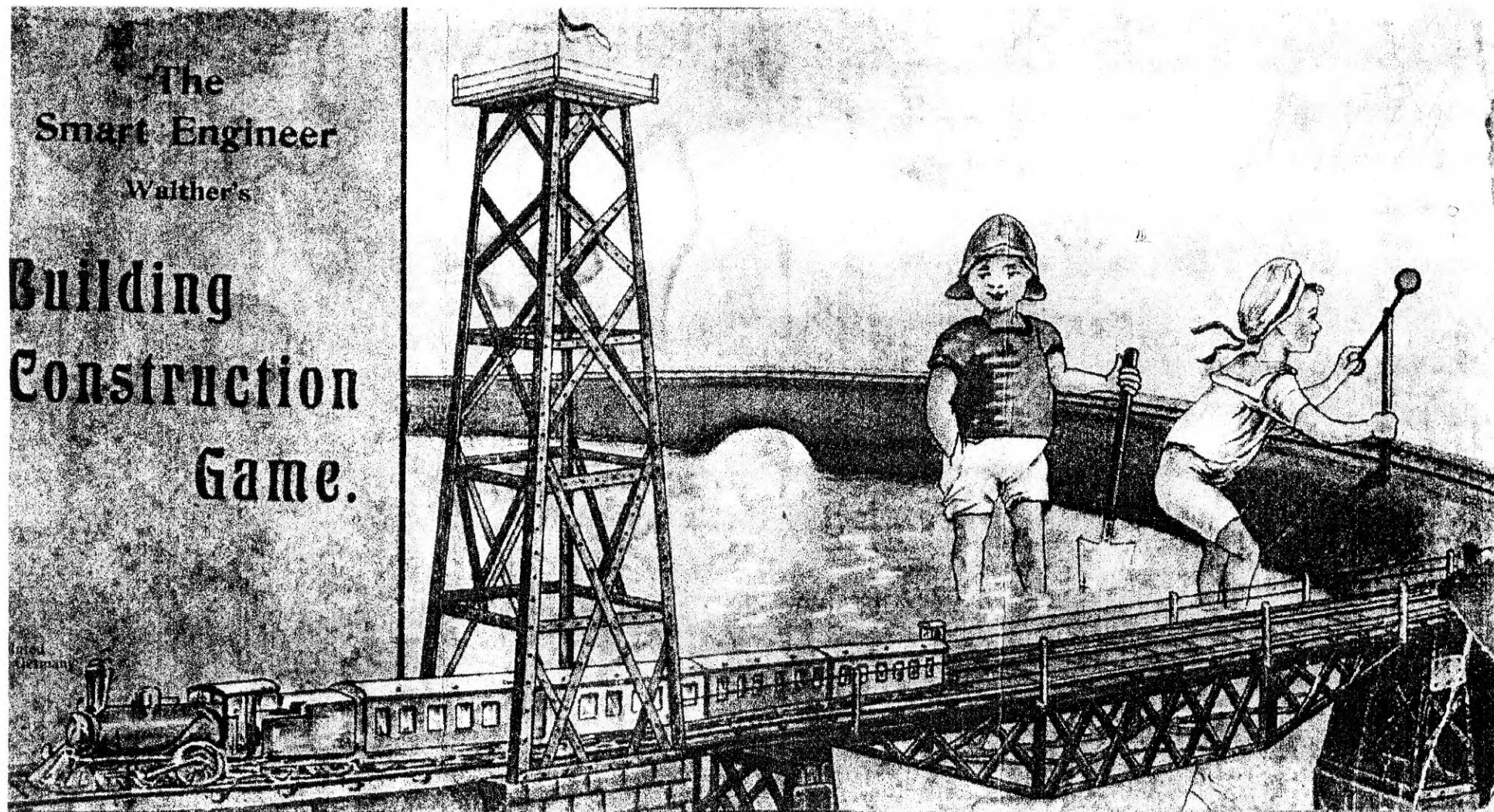


# THE SMART ENGINEER: X1.1

U.S.A. probably

NAME	THE SMART ENGINEER		
TYPE	Constructional Engineering.		
HOLE DIAMETER	2.9mm	HOLE SPACING	10.3mm
SETS IN SYSTEM	No.8, and probably others larger.		
DIFFERENT PARTS	31 in Set No.8.		
COLOUR			
FIXING METHOD	Parts held together with Bifurcated Paper Clips.		
MOTORS	None.		
PERIOD	Probably pre WW1.		
MANUFACTURER	Walther & Co., Berlin.		
COMMENTS	Details of the only known set have come from the U.S.A., and from the Set Contents it can be assumed to have been an export version of WALTHER'S INGENIEUR - another was ARTS ET MÉTIER Série 3, and its hole dimensions have been given above. No SMART manual is known and p2 & p3/4/6 show the labels on top of, and inside, a box lid.		
OTHER SYSTEMS NEWSLETTER	22/651, 23/681		

MATERIAL SUPPLIED BY George Wetzel.



## Spécification du Contenu de la boîte modèle No. 8.

### Pièces en bois.



- |                             |                      |
|-----------------------------|----------------------|
| 1 SoCLE                     | 1 socket             |
| 1 Tables de scie circulaire | 1 circular saw table |
| 1 Dessus de table           | 1 table flap         |
| 1 Dessus de tabouret        | 1 hocker flap        |
| 1 plateau tenseur           | 1 tension boards     |
| 1 " "                       | 1 " "                |
| 2 Poulies à trous           | 2 perforated discs   |
| 2 Poulies de commande       | 2 driving pulleys    |
| 2 Disques de serrage        | 2 clamp discs        |
| 3 Bagues d'arrêt            | 3 collars            |
| 6 figes rondes              | 6 dowls              |

### Outils

- 1 pointe avec tournevis
- 1 pointe affilée
- 1 petit tournevis
- 2 clés
- 1 boîte contenant des rivets
- 1 cahier d'images

Germany.

### Wooden Parts.

### Tools

- 1 work pin with screw driver
- 1 pointed work pin
- 1 small screw-driver
- 2 ranges
- 1 box with clamp rivets
- 1 pattern book

## Contents for size No. 8.

### Parties métalliques.

### Iron Parts

- |  |   |   |
|--|---|---|
|  | 2 plaques perforées, 5 x 3 trous                    | 2 perforated plates 5x3 trous                   |
|  | 2 " " 3 x 3 "                                       | 2 " " 3x3                                       |
|  | 1 lame de scie circulaire                           | 1 circular saw plate                            |
|  | 1 roue à vent                                       | 1 windmill wheel                                |
|  | 2 angles doubles                                    | 2 double angles                                 |
|  | a) fers plats a) et fers cornière<br>b) comme suit: | flat irons a) and angle irons<br>b) as follows: |
|  | 1 manivelle   | 1 handle  |
|  | 1 vis de socle avec écrou                           | 1 socket screw with nut                         |

- |                                   |                                |
|-----------------------------------|--------------------------------|
| a) 2 fers cornière, long: 7 trous | a) 2 angle irons, 7 holes long |
| 4 " " " 6 "                       | 4 " " 6 " "                    |
| 4 " " " 5 "                       | 4 " " 5 " "                    |
| b) 4 fers plats " 7 "             | b) 4 flat irons 7 " "          |
| 4 " " " 5 "                       | 4 " " 5 " "                    |
| 1 arbre avec 5 écrous             | 1 shaft with 5 nuts            |

