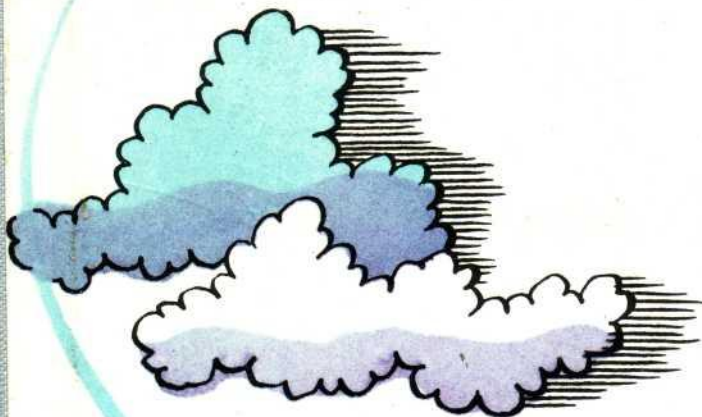


*Анатолий Маркуша*



**33**

# СТУПЕНЬКИ в НЕБО



ИЗДАТЕЛЬСТВО

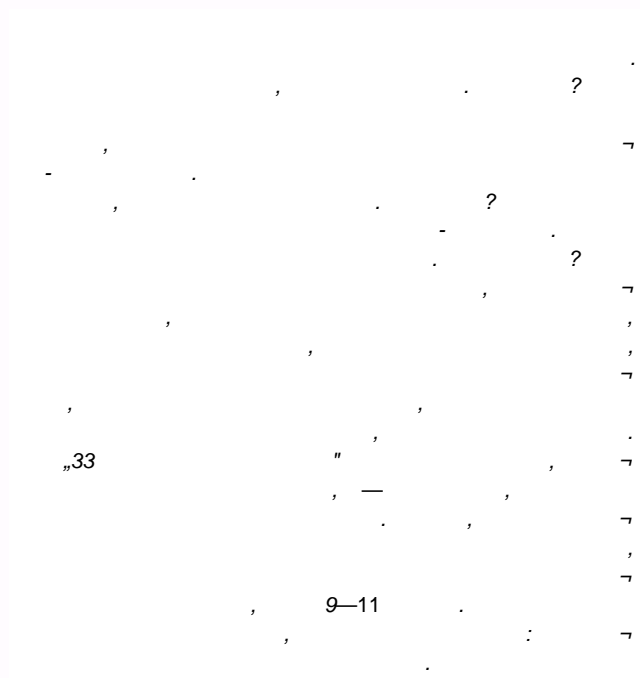
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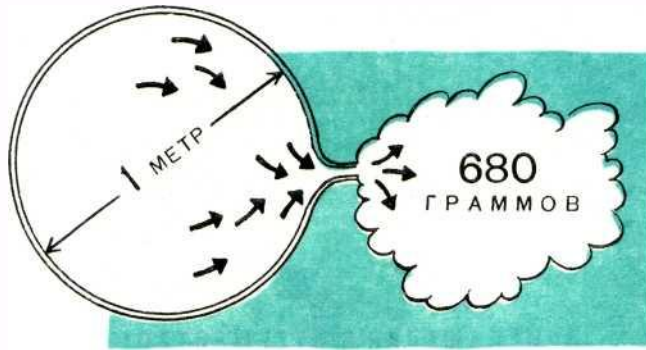
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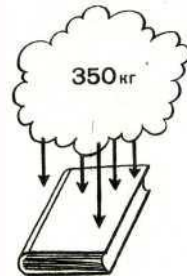
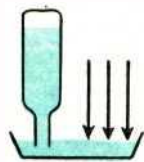
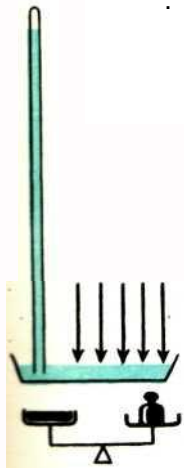
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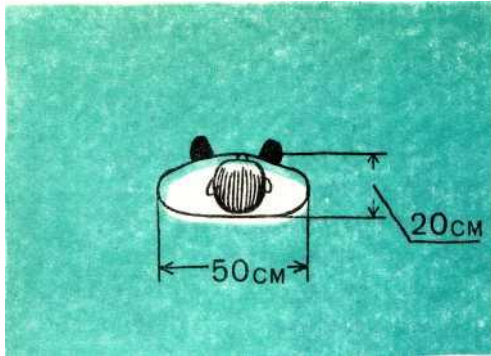
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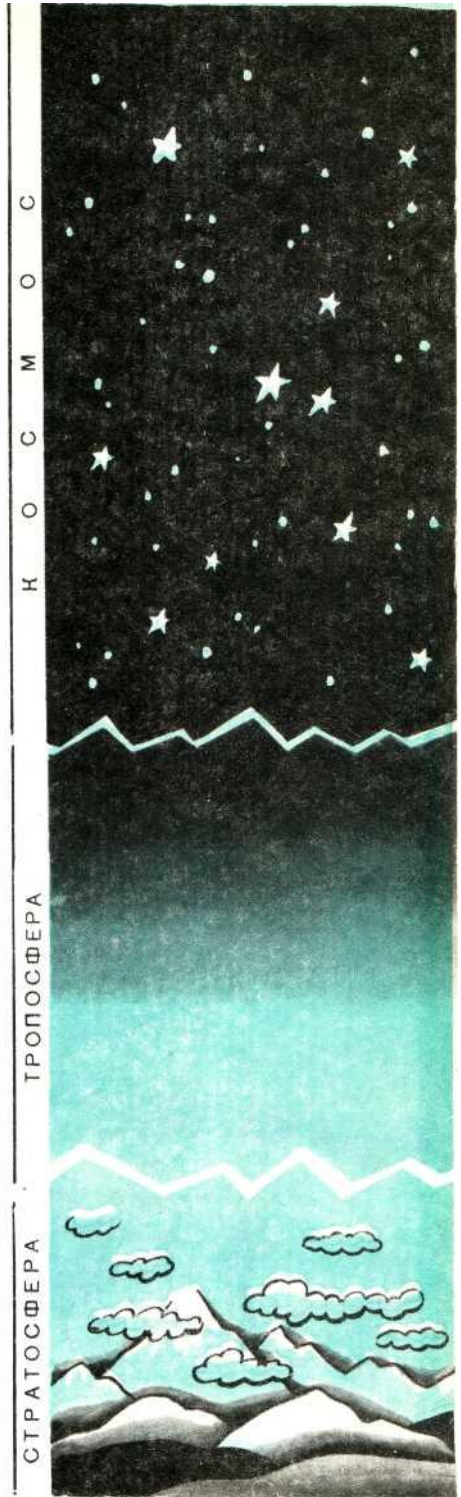
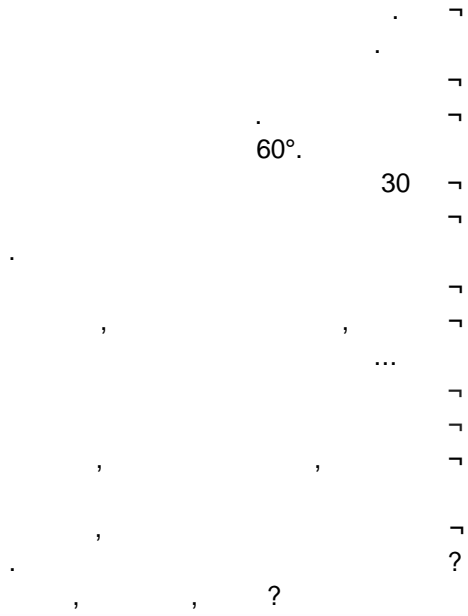




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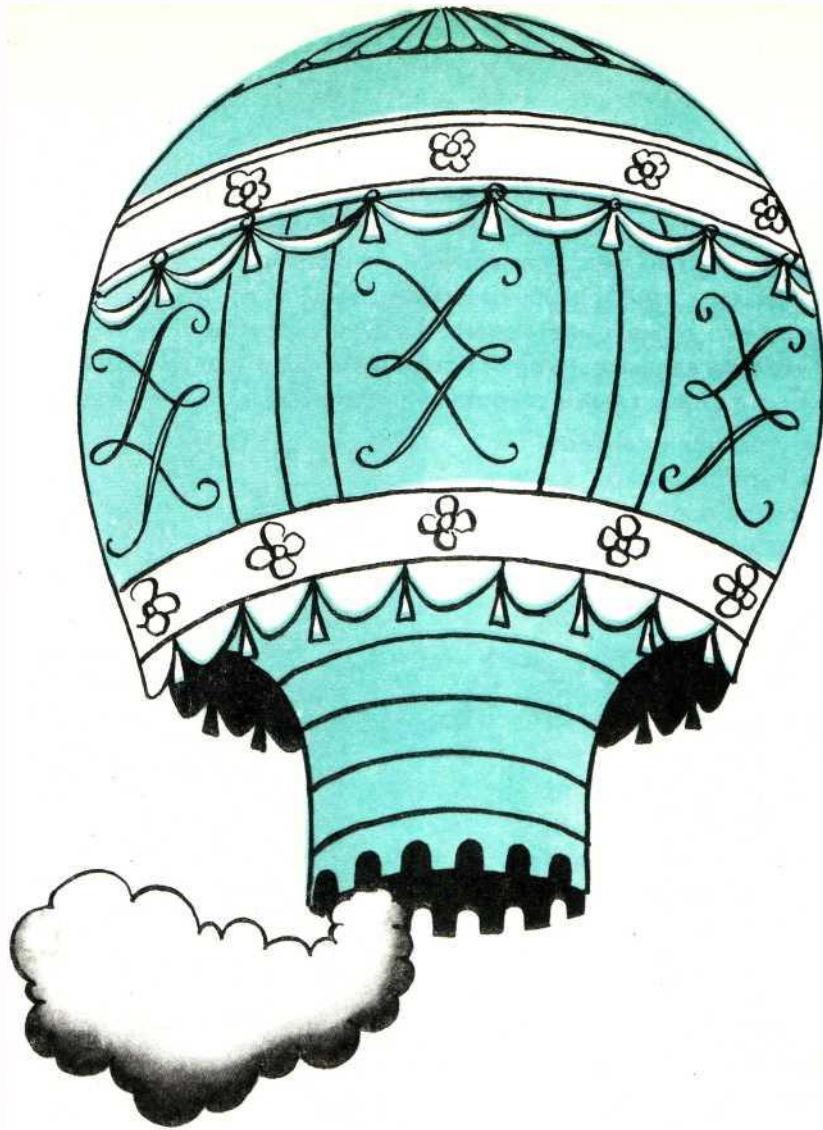


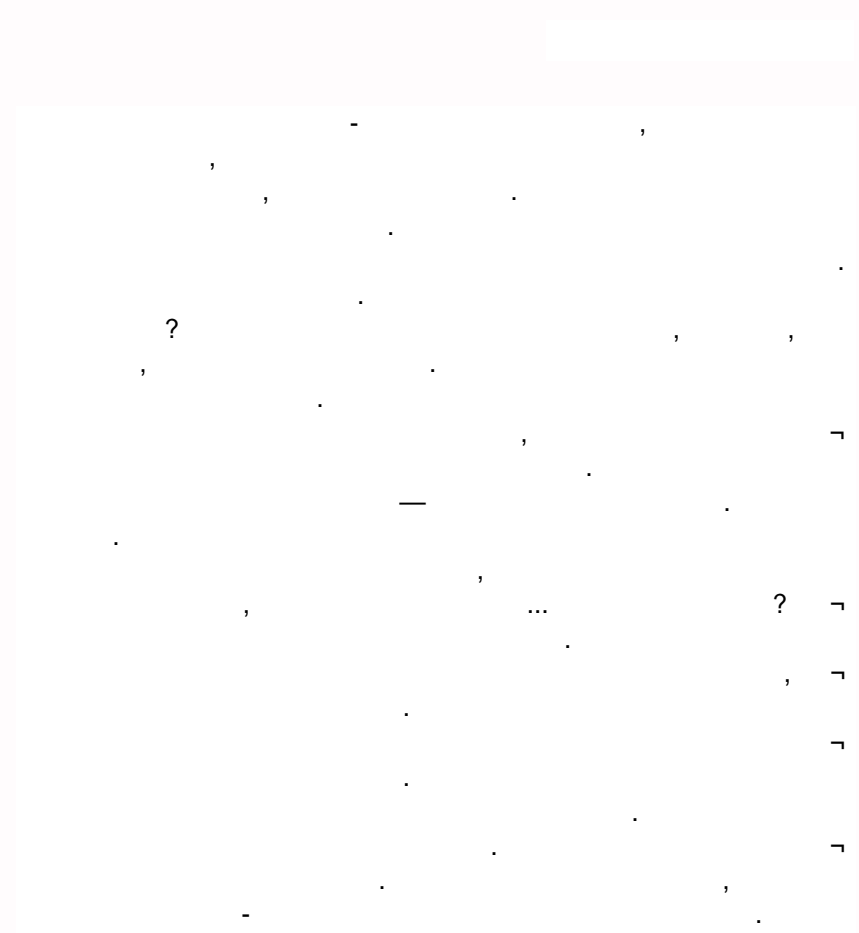


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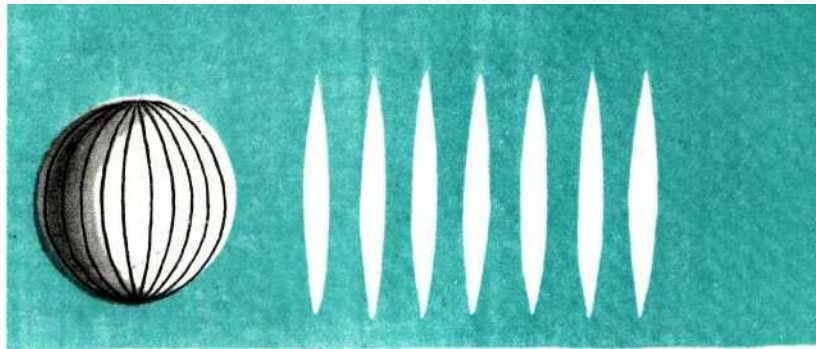












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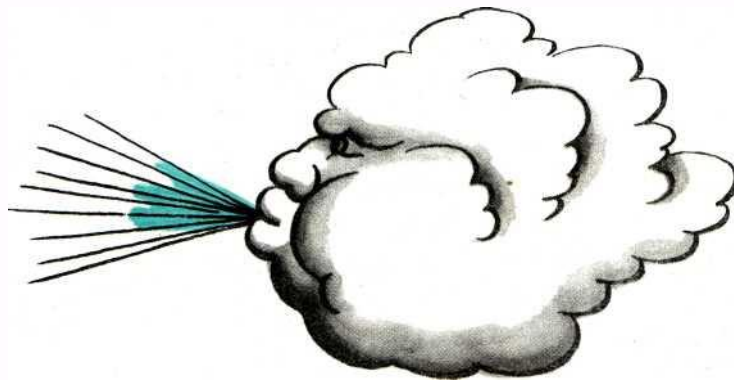




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| 3 | 12—17 |  |  |  |
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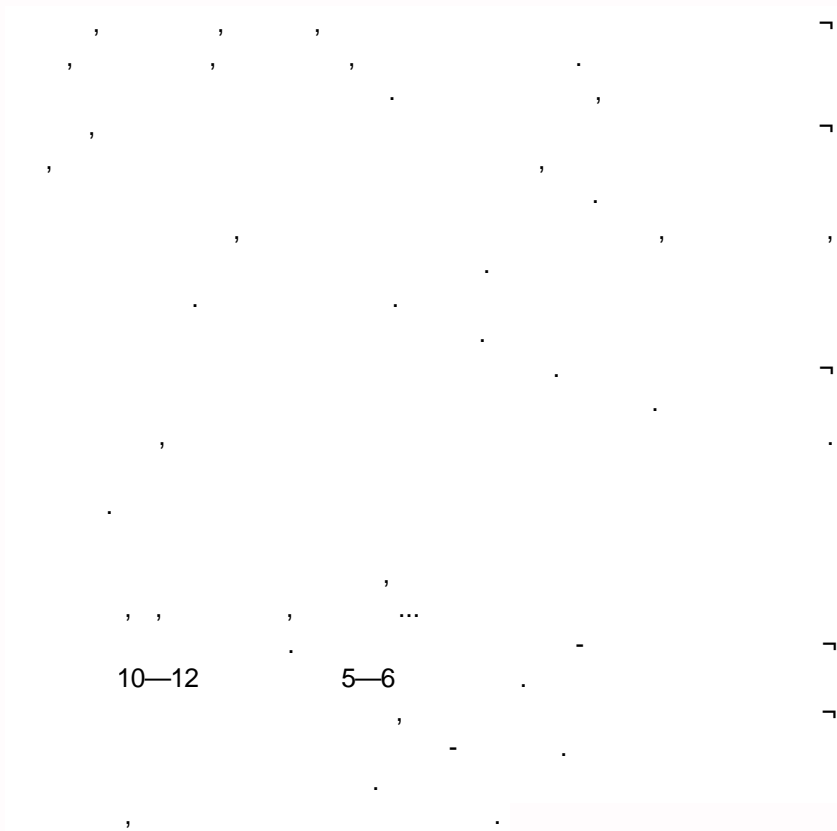
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|    | 7      |  |  |   |
| 5  | 27—35  |  |  | 7 |
| 6  | 35—45  |  |  | 7 |
| 7  | 45—55  |  |  | 7 |
| 8  | 55—65  |  |  | 7 |
| 9  | 65—77  |  |  | 7 |
| 10 | 77—90  |  |  | 7 |
| 11 | 90—104 |  |  | 7 |
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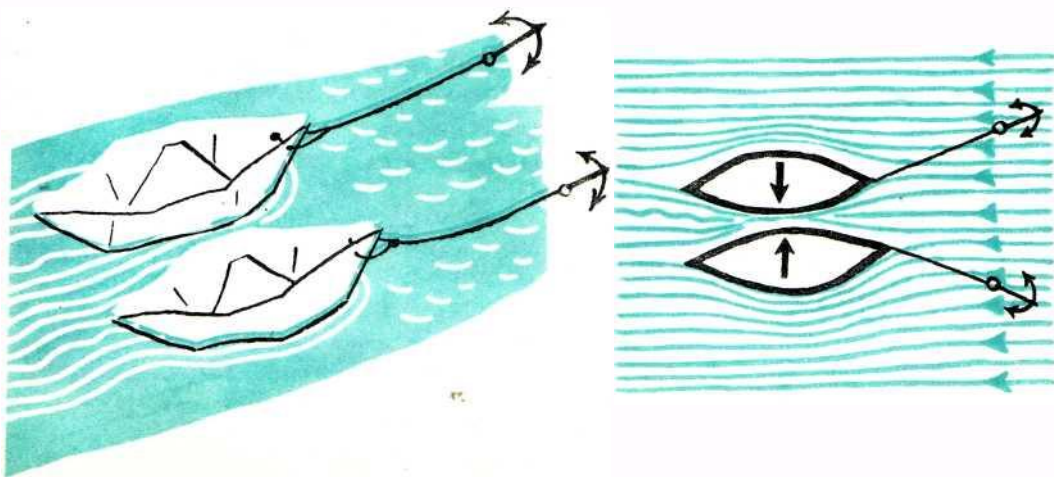
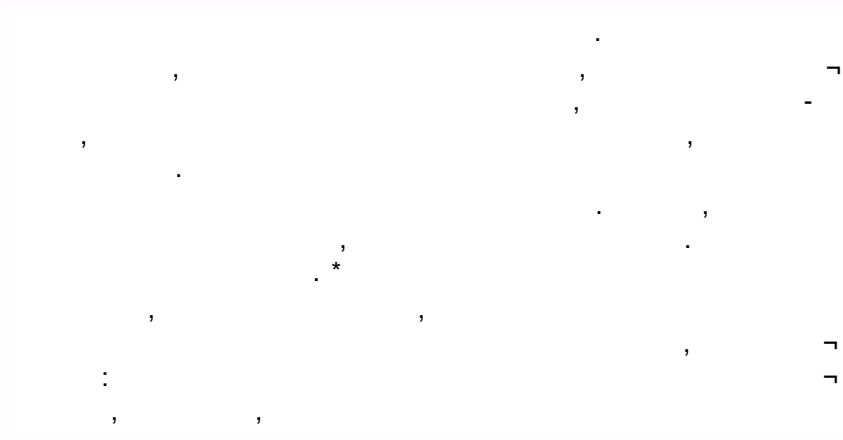


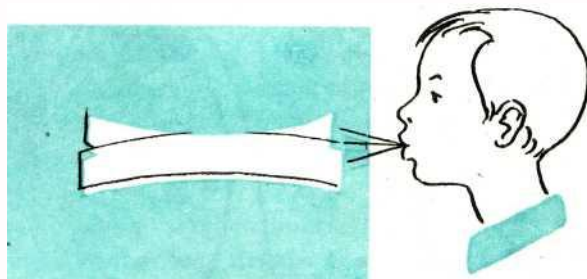
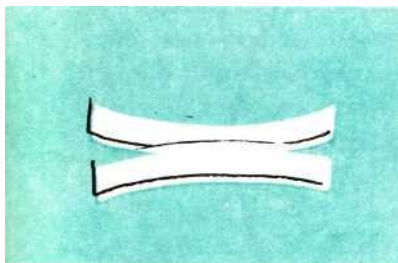
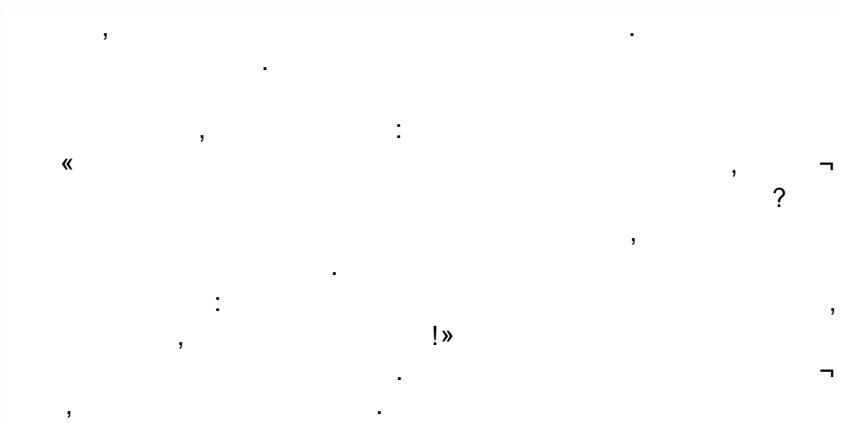
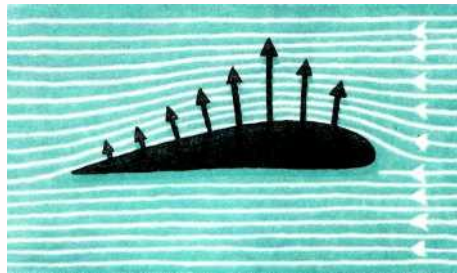
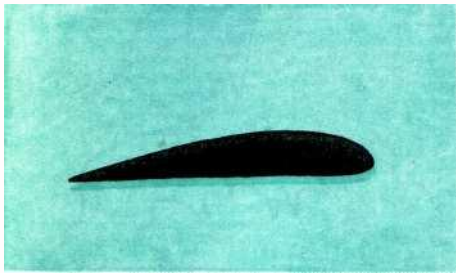




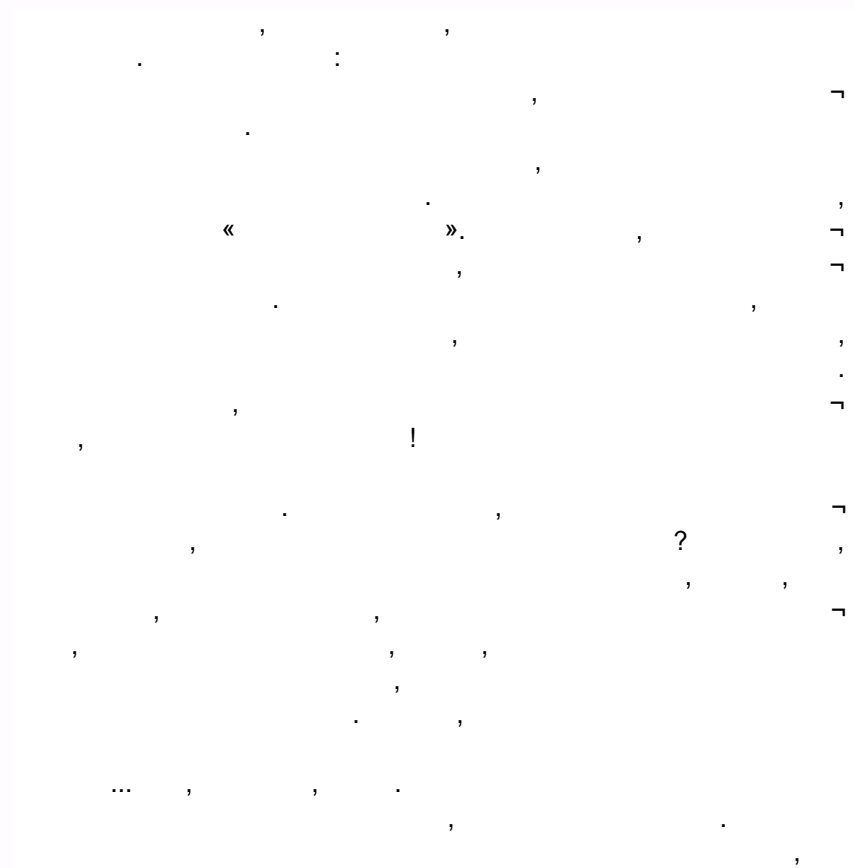
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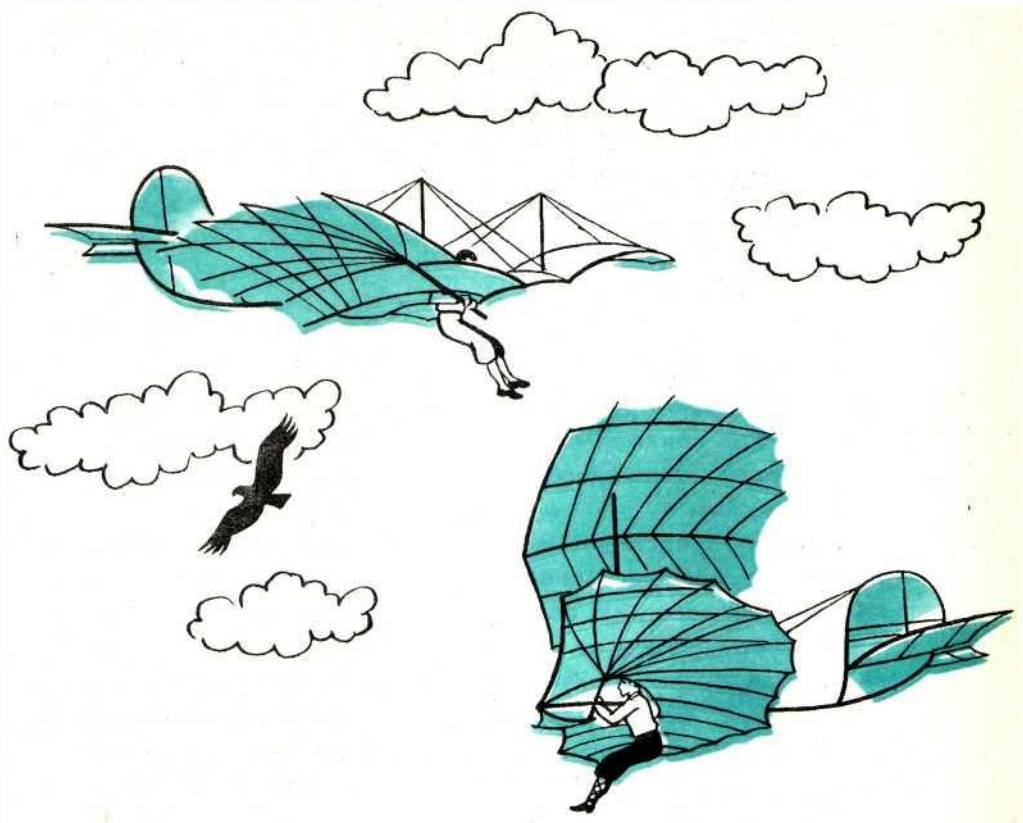








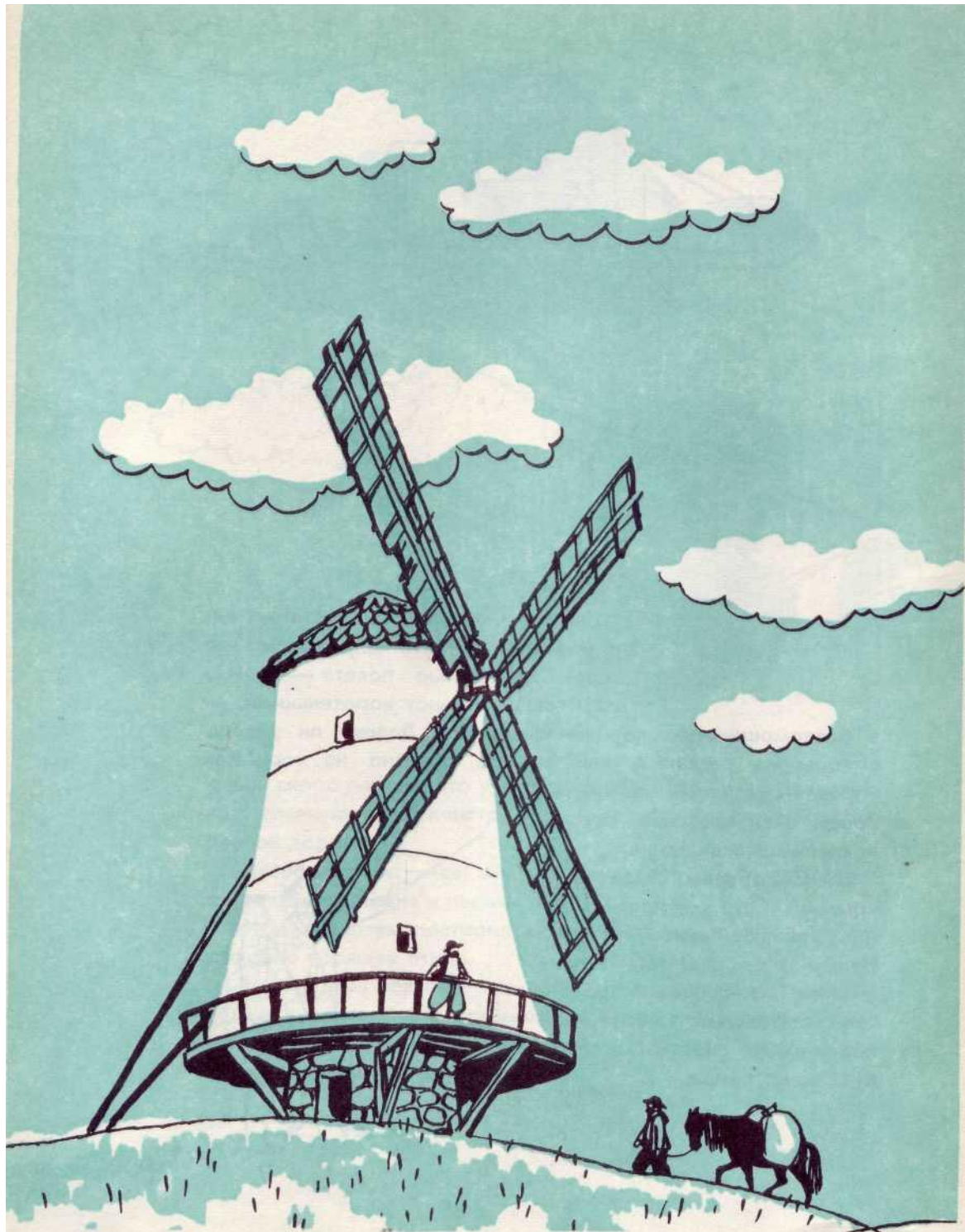




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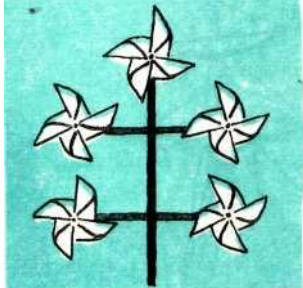
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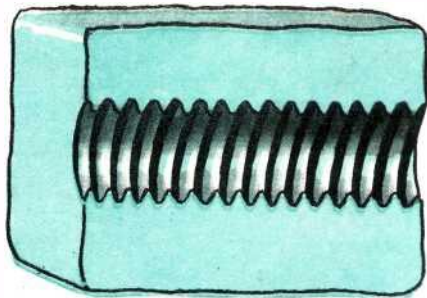
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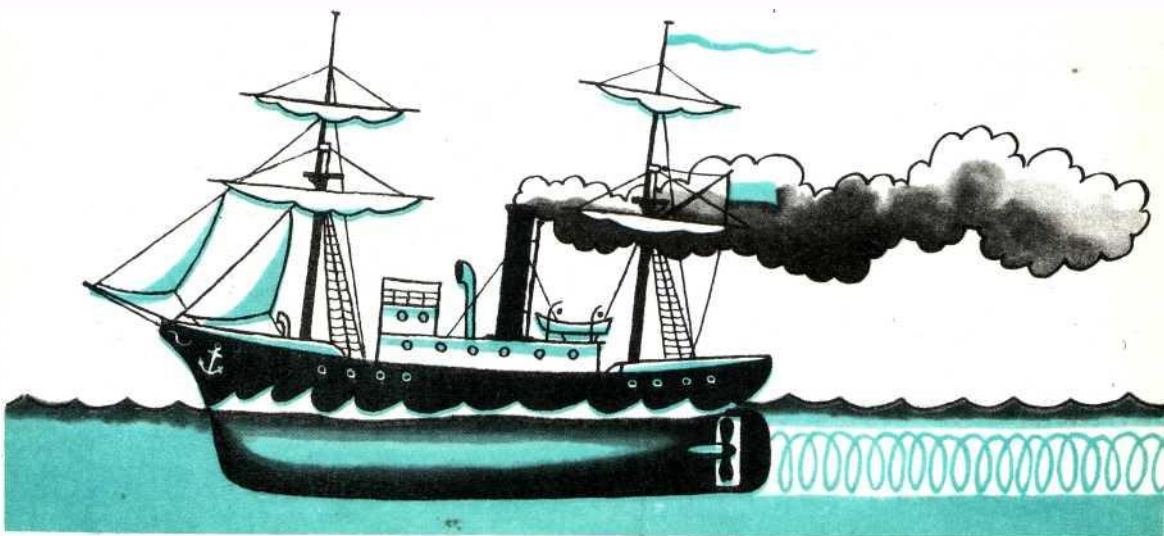


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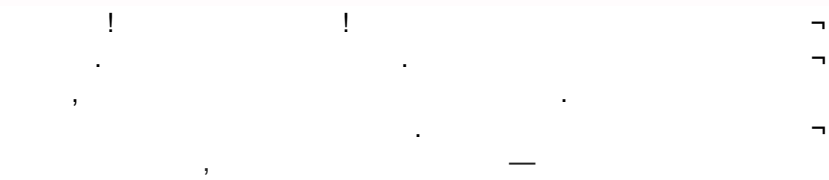
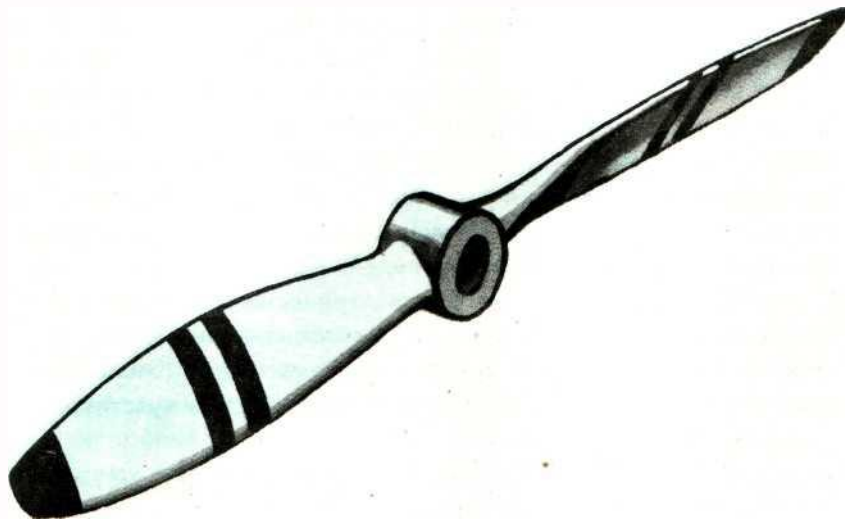
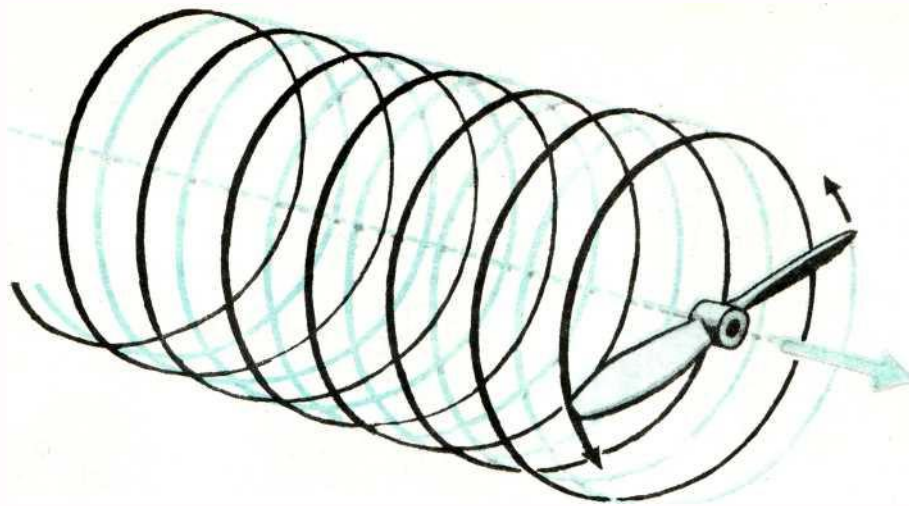
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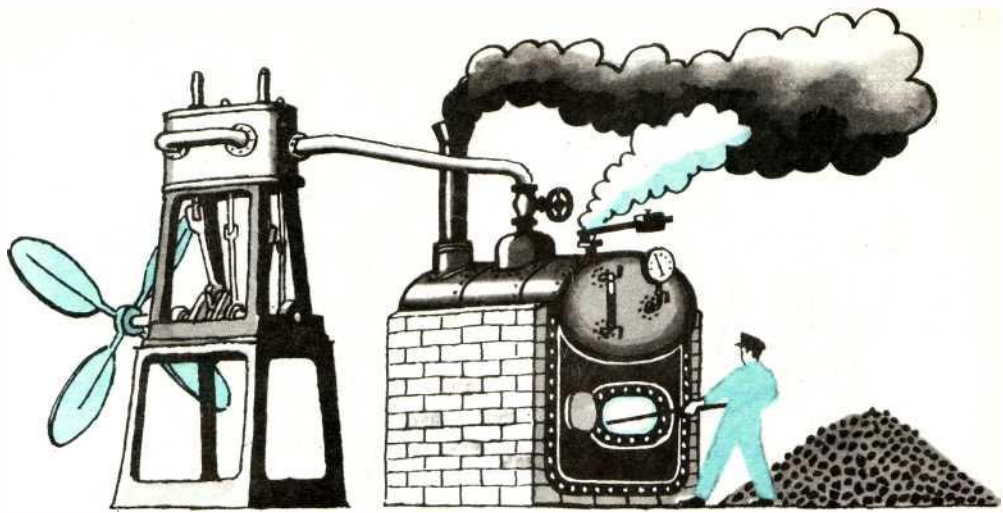
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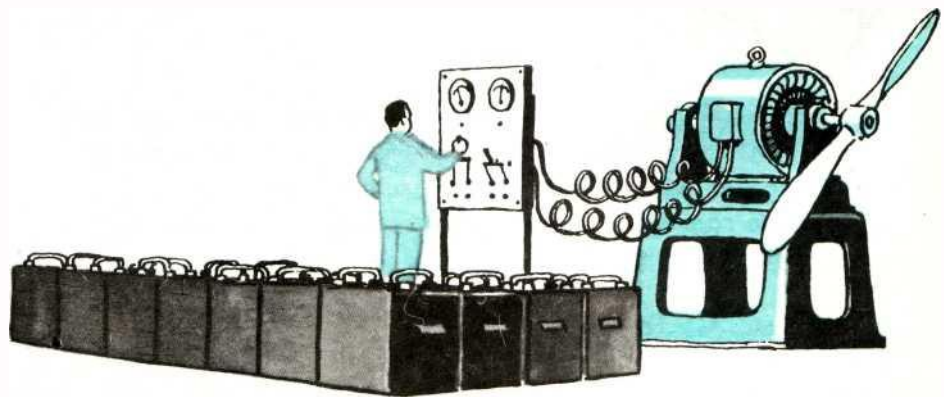


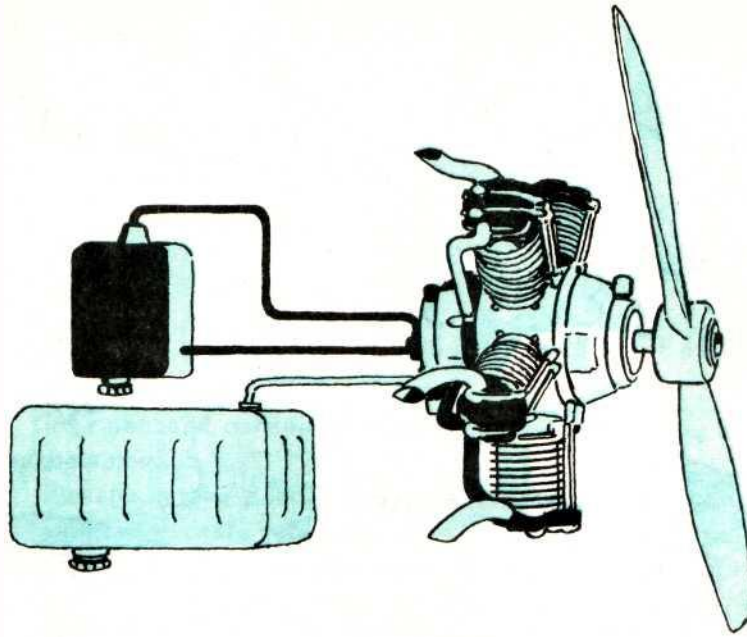




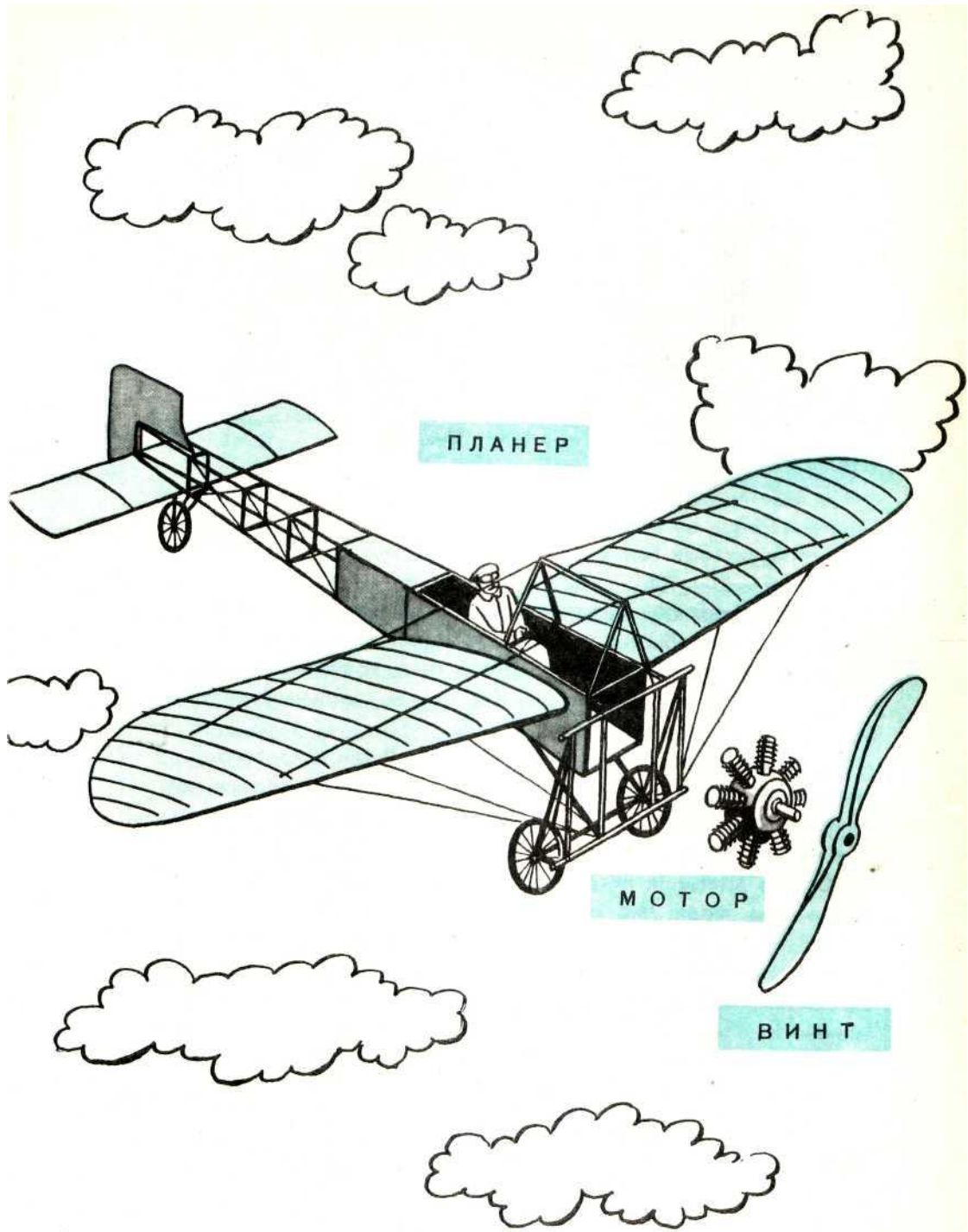


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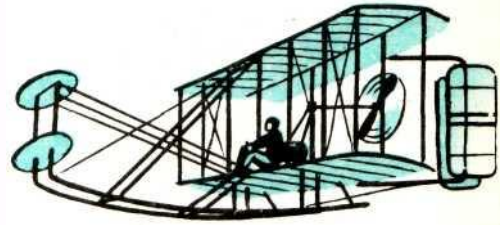
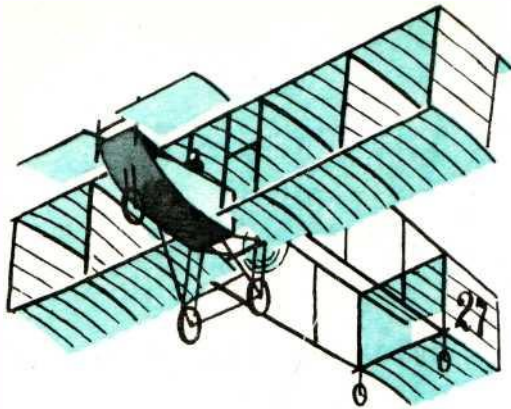


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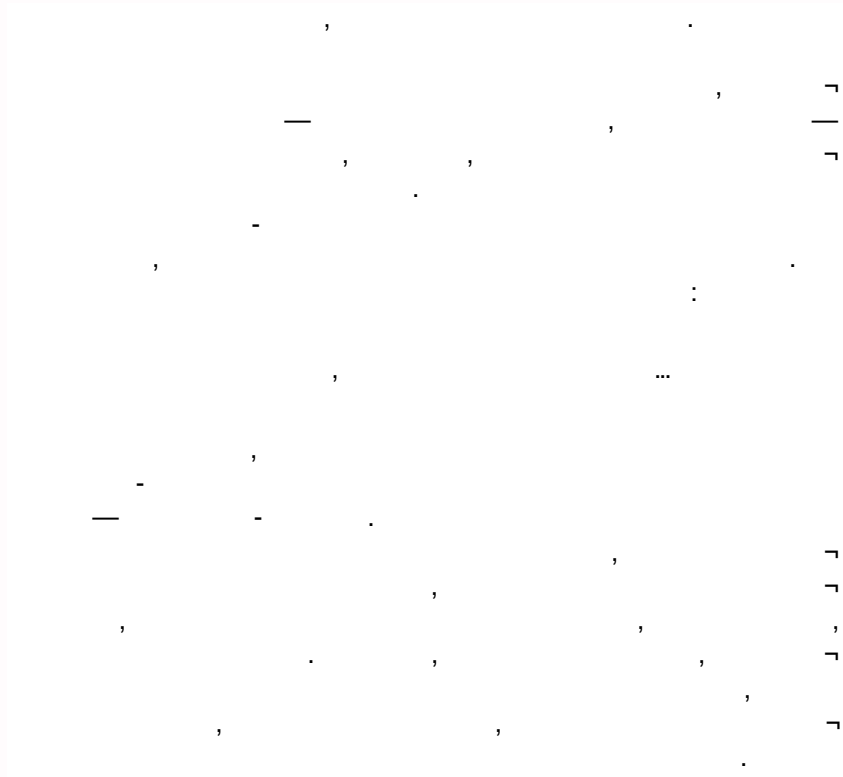
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|           | 87  | 4 . 18 .  | 232    | 230    |
| 1919—1920 | 268 | 24 . 19 . | 8155   | 1915   |
|           | 657 | 87 .      | 14 000 | 8065   |





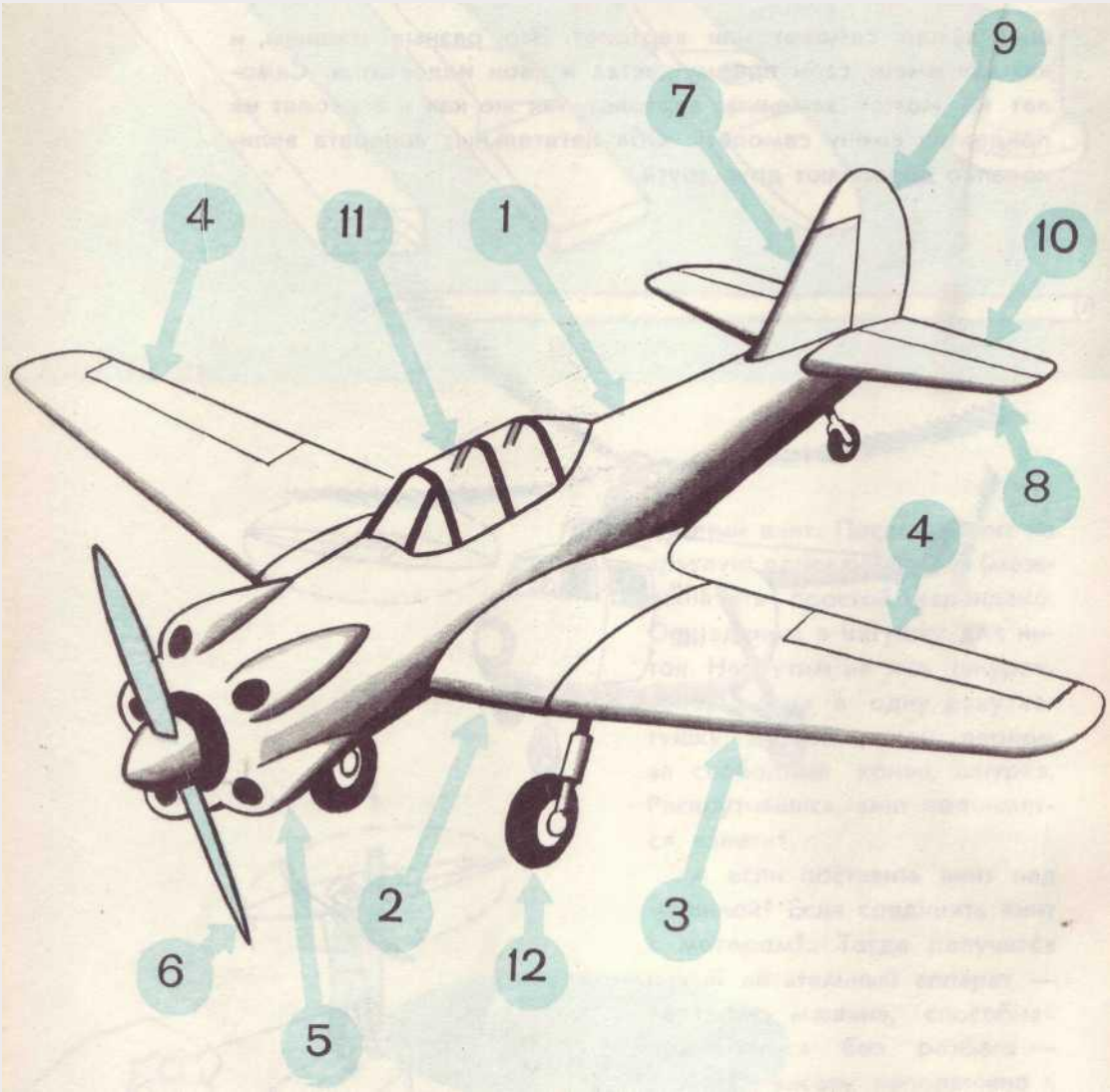


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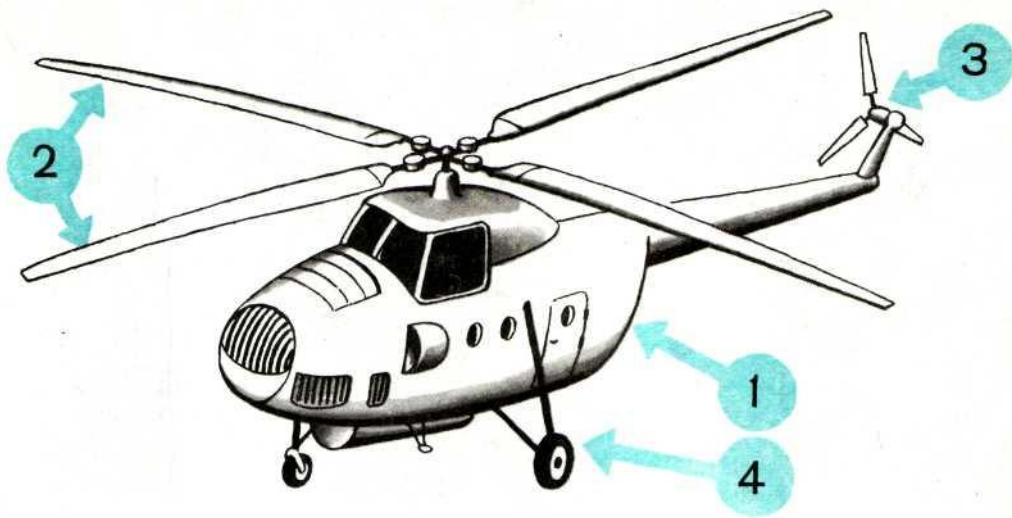
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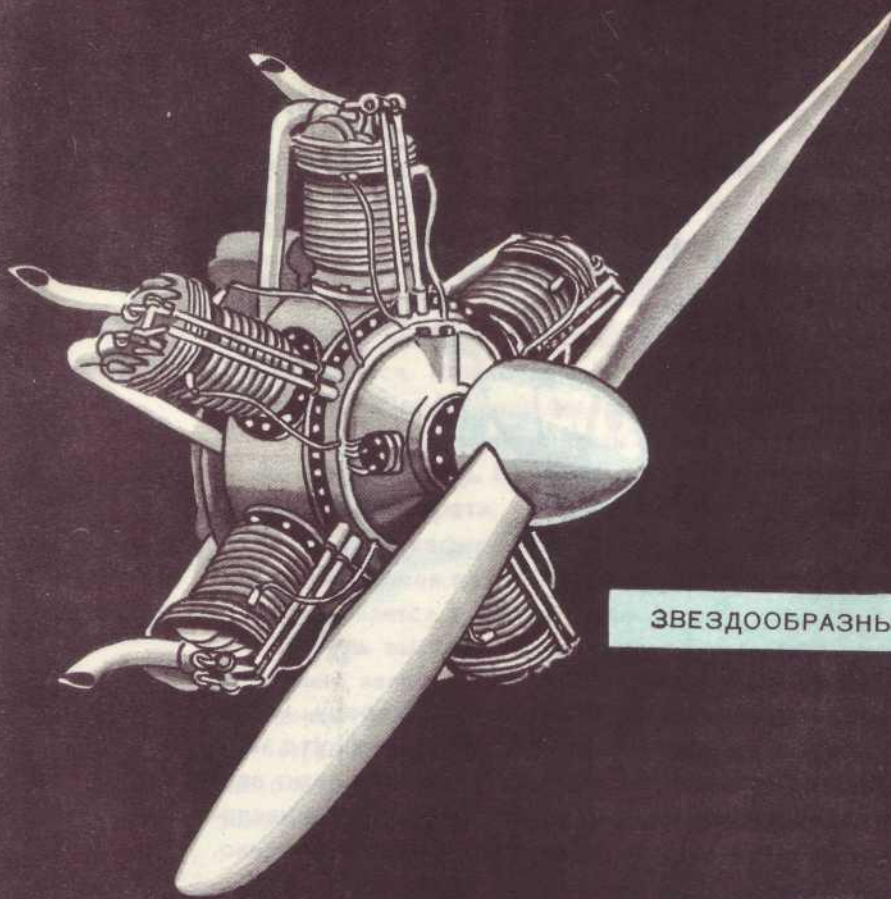


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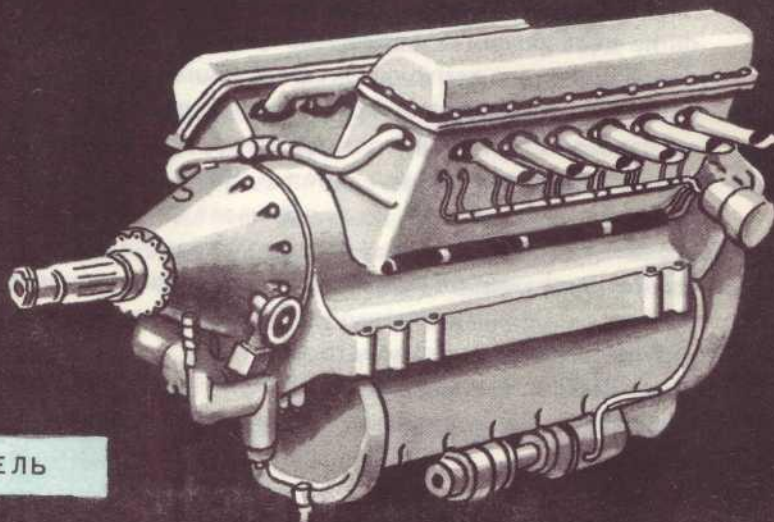
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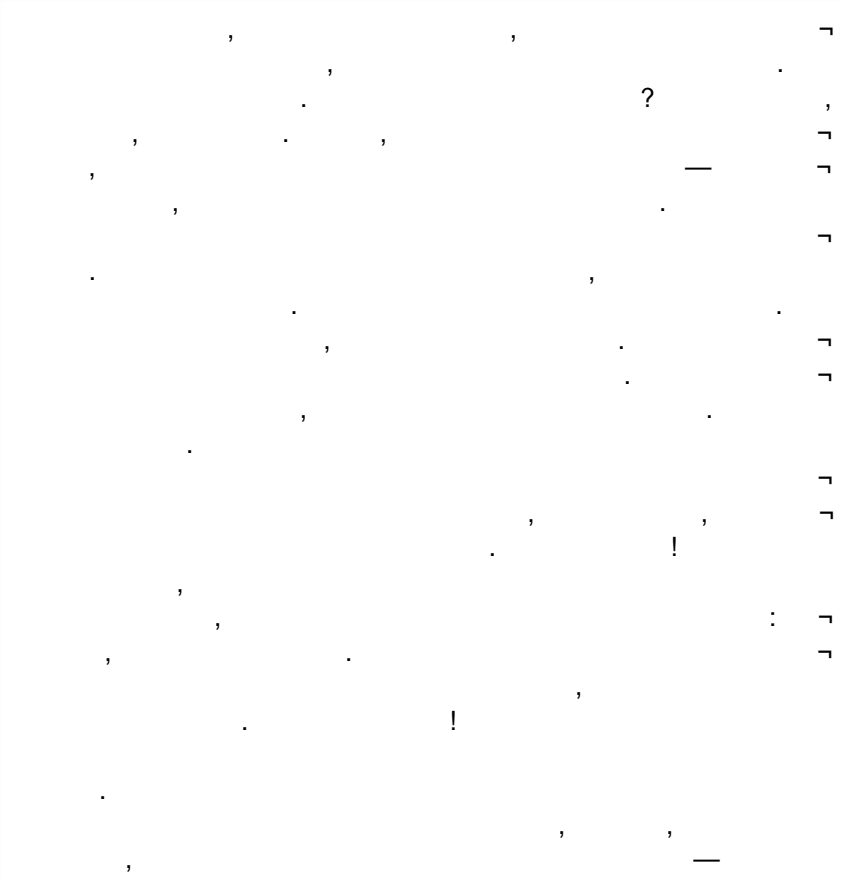
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ЗВЕЗДООБРАЗНЫЙ ДВИГАТЕЛЬ



РЯДНЫЙ ДВИГАТЕЛЬ



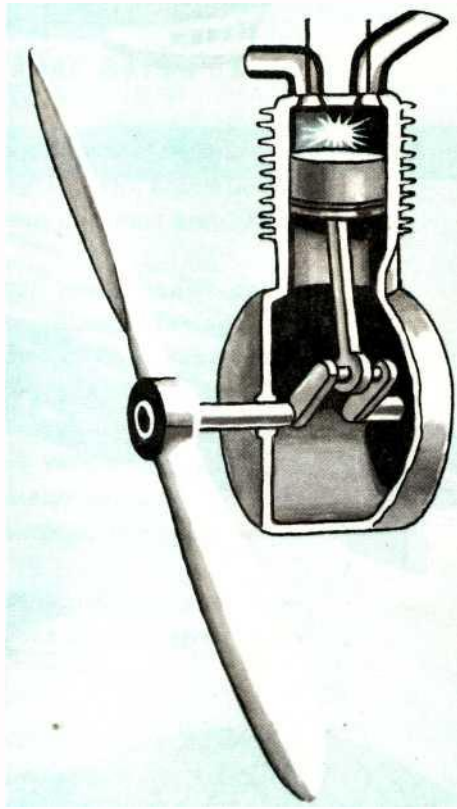


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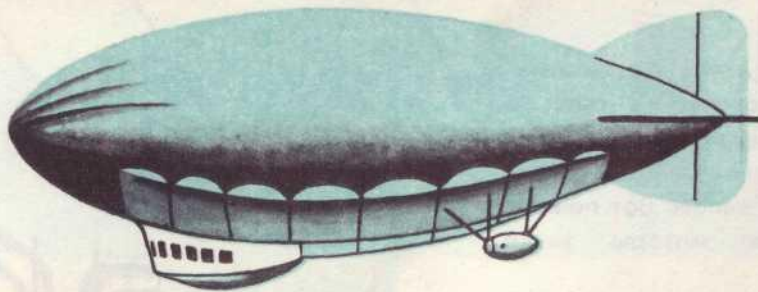
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| 1920 | 260—400  |
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| 1940 | 3000     |

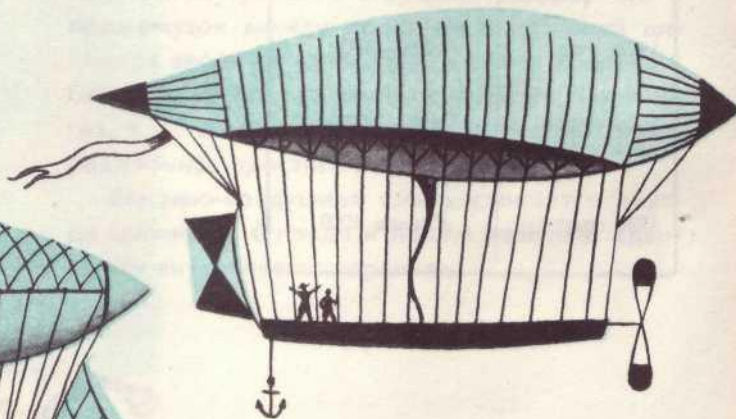
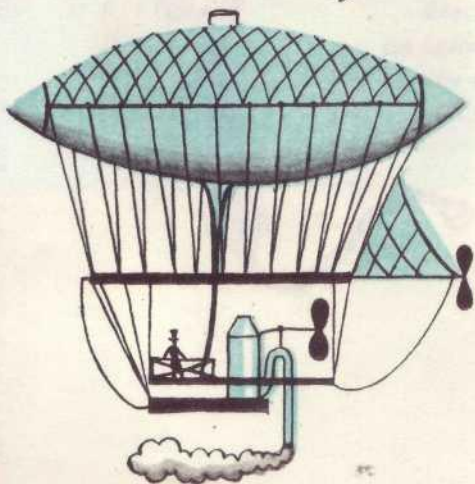




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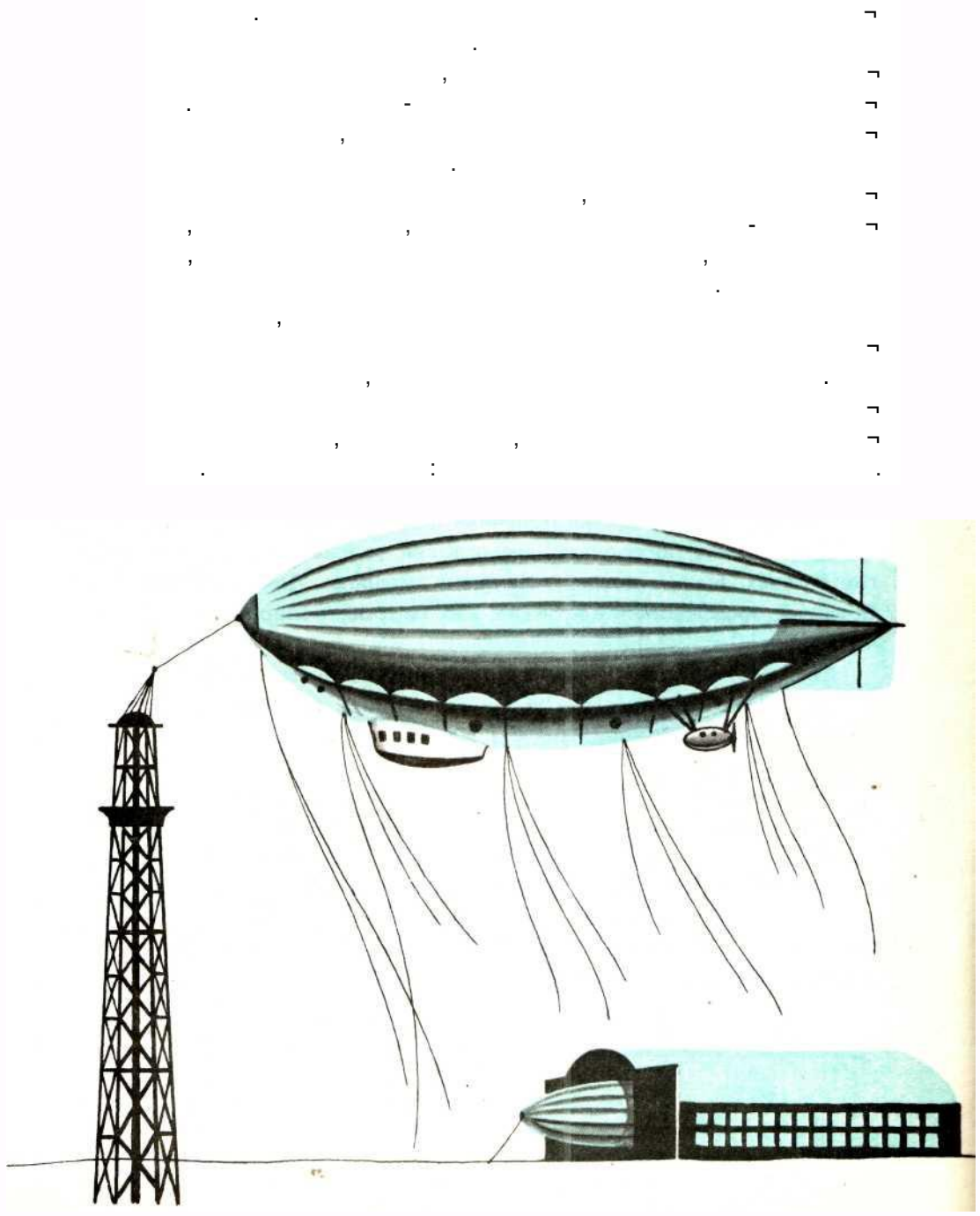


ЖЕСТКИЙ ДИРИЖАБЛЬ



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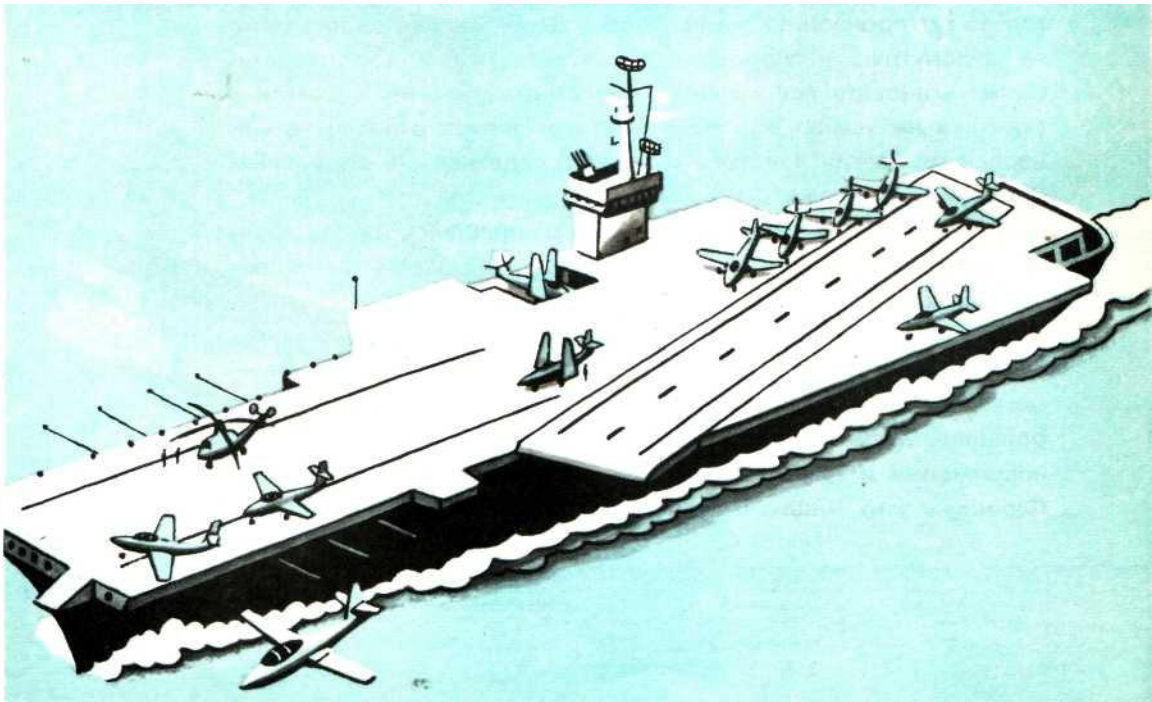
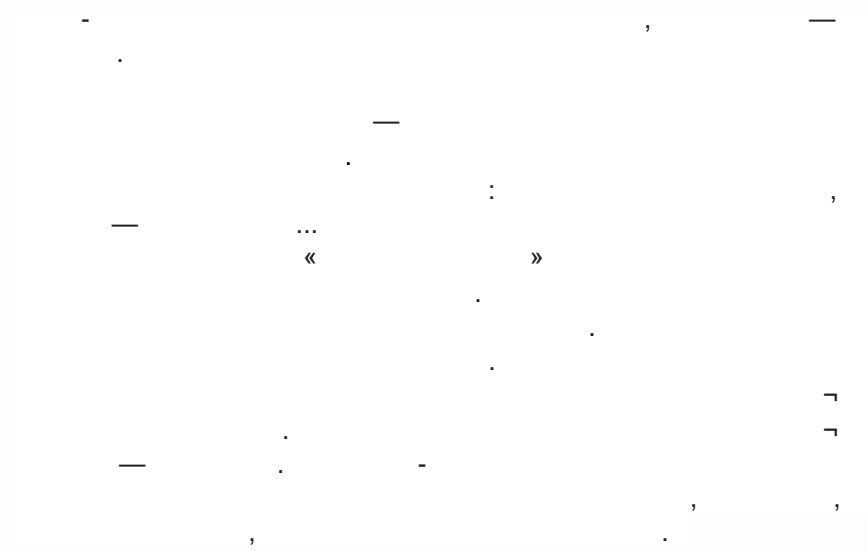




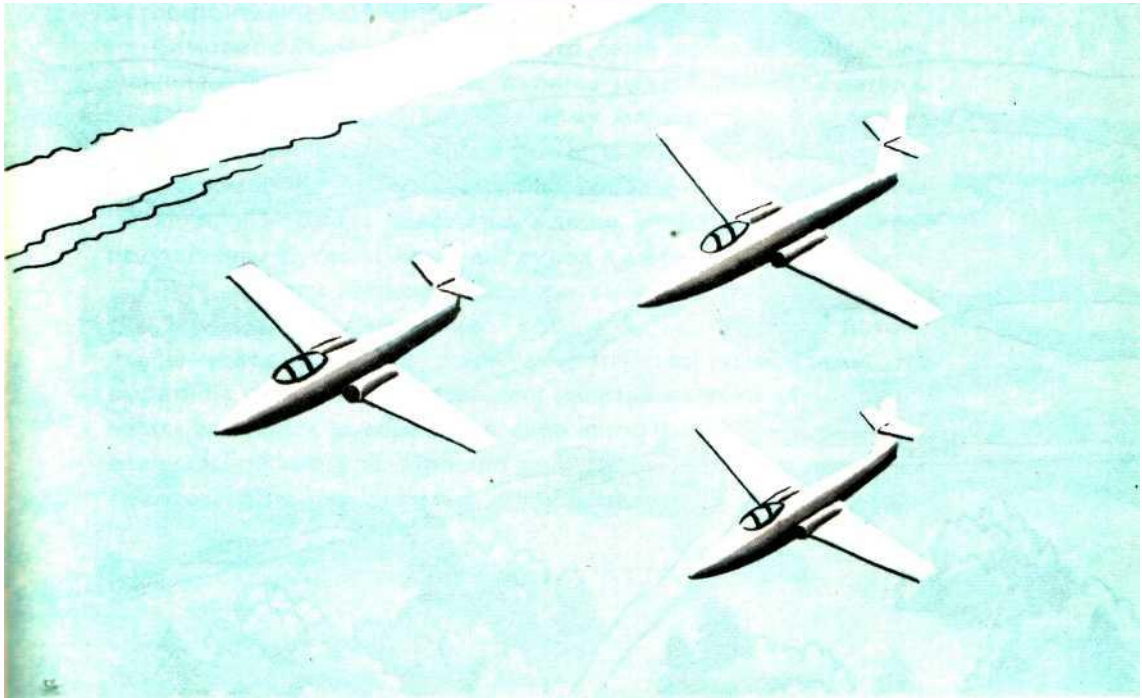
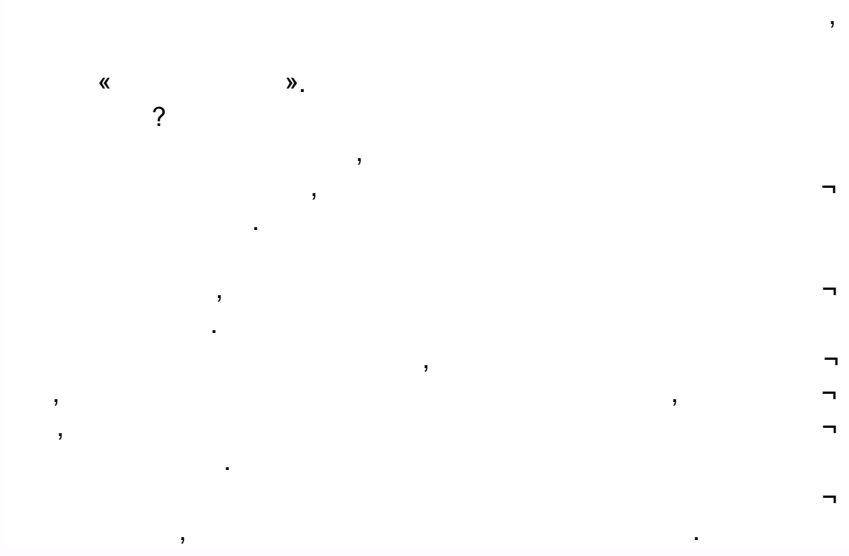




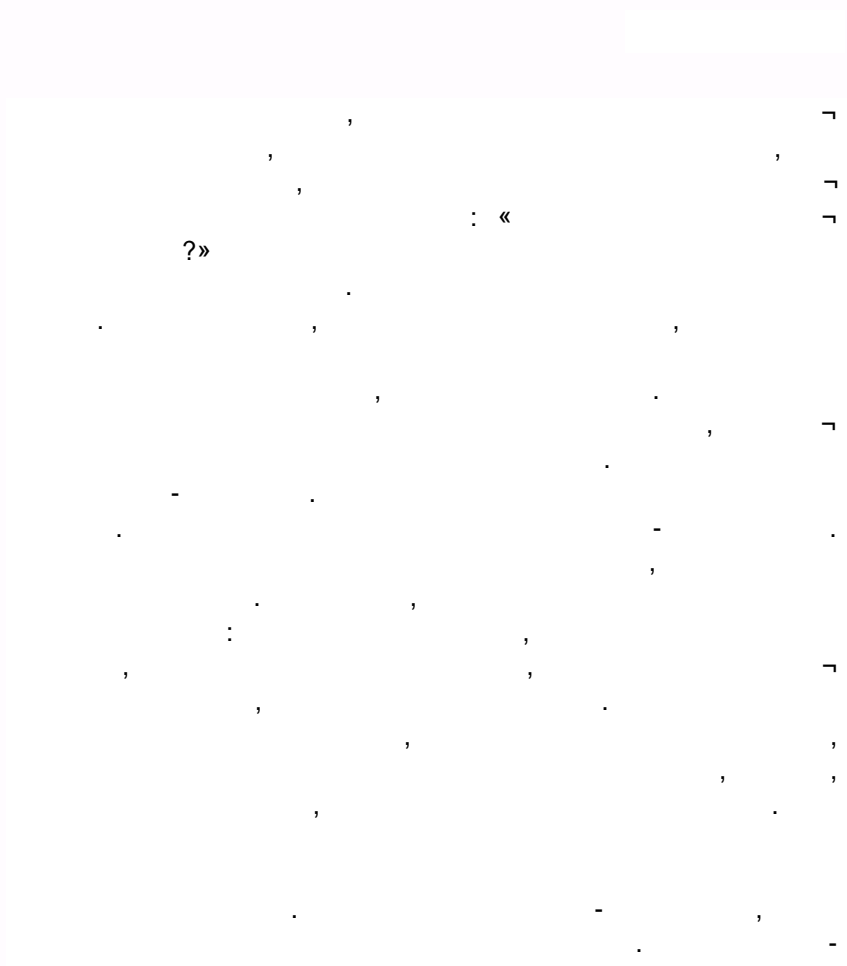


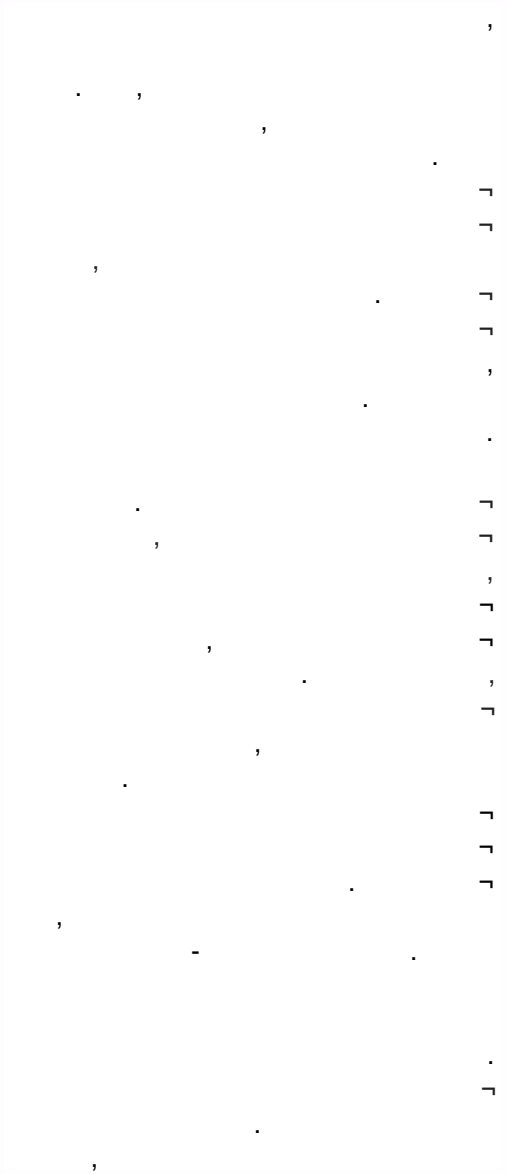
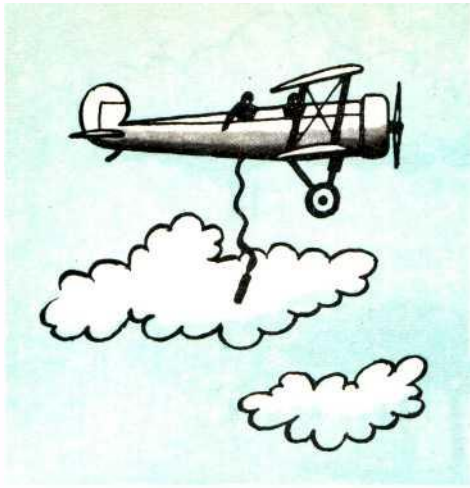






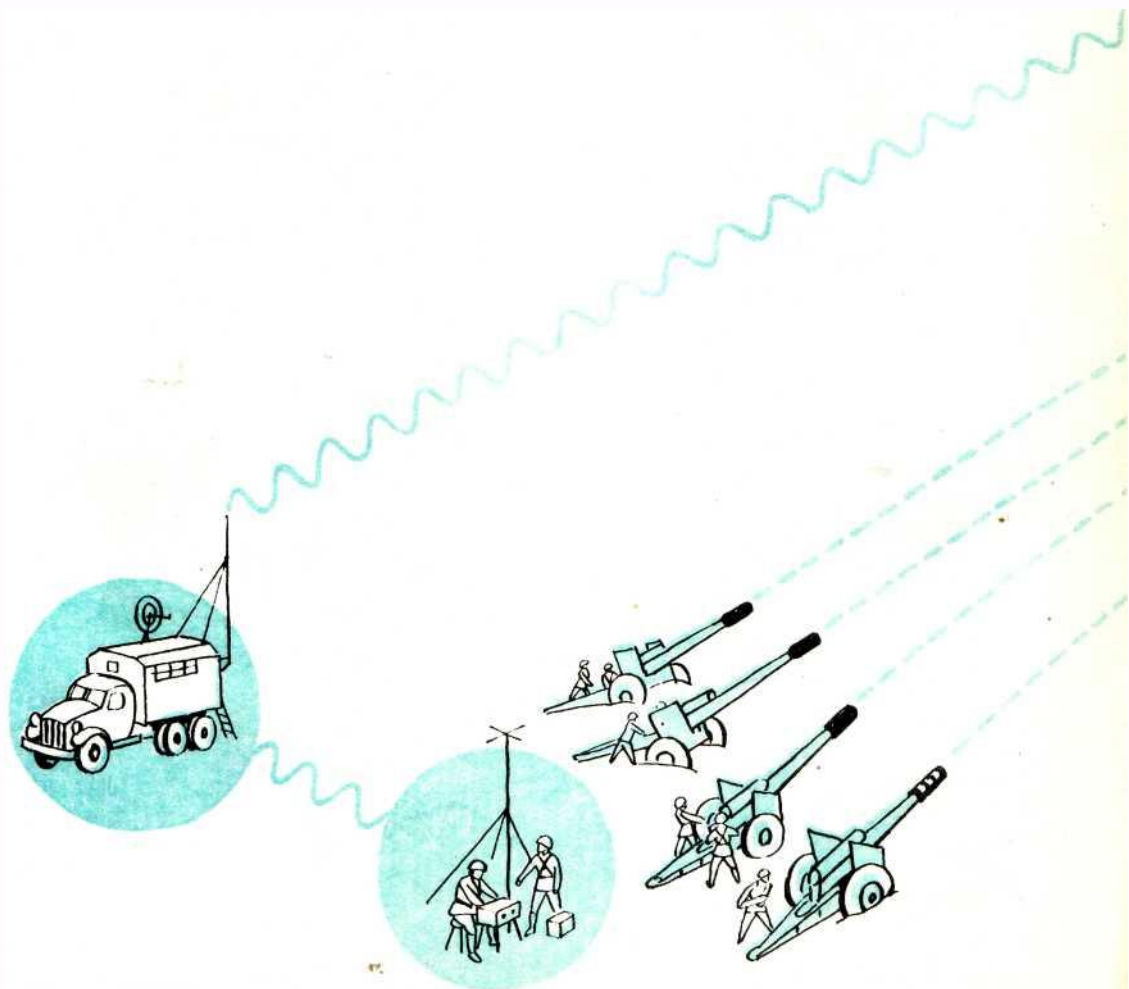


















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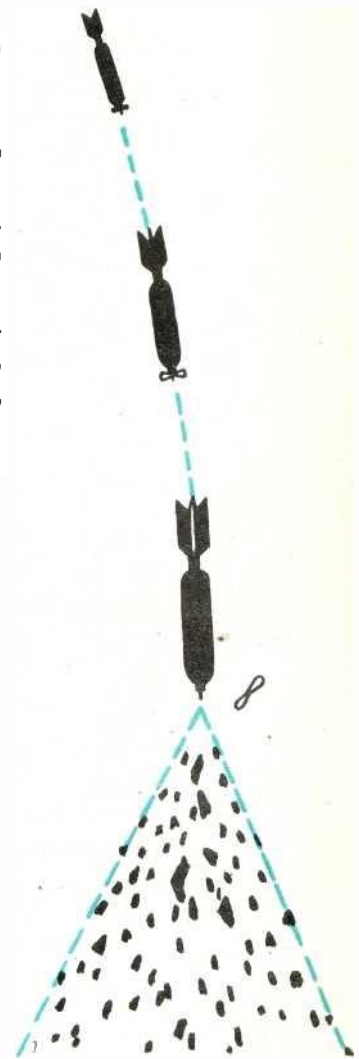
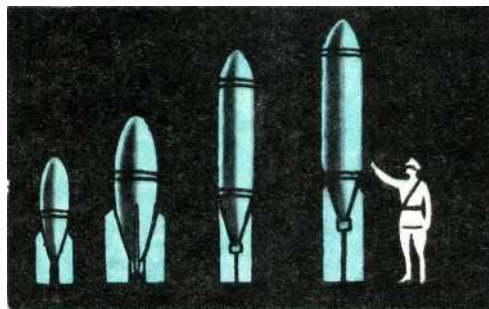
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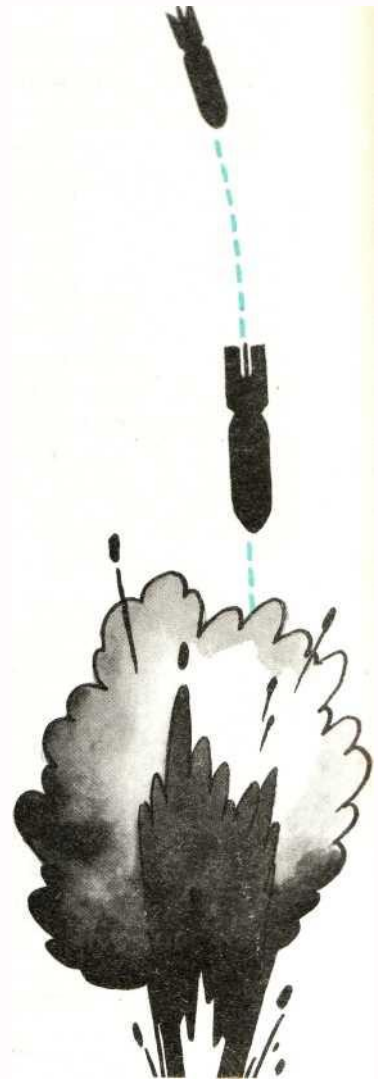
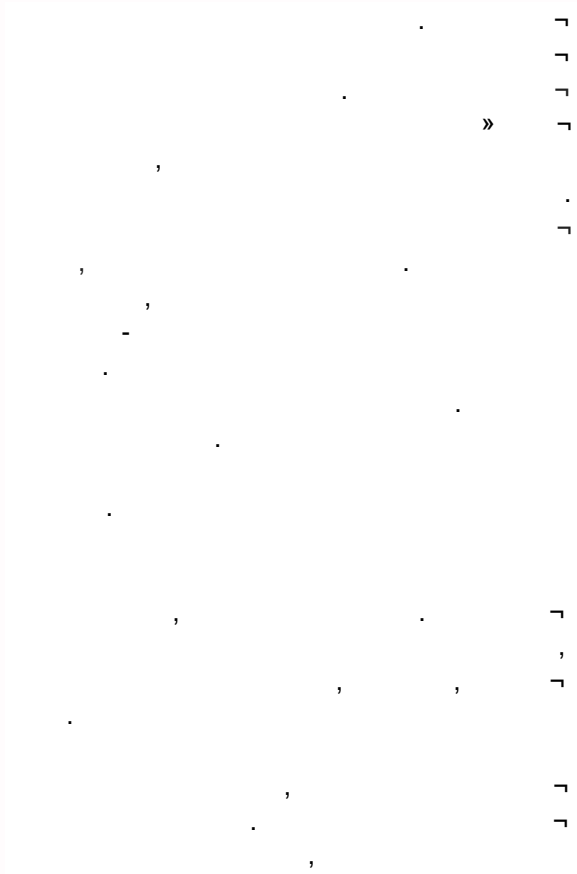
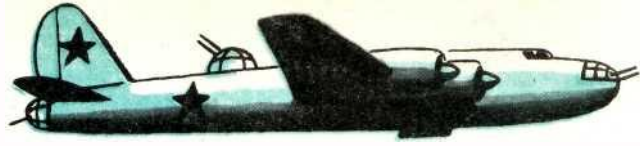
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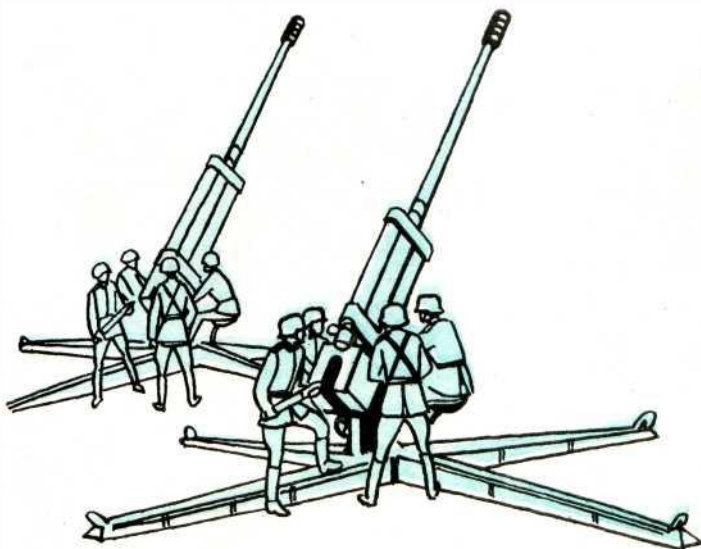
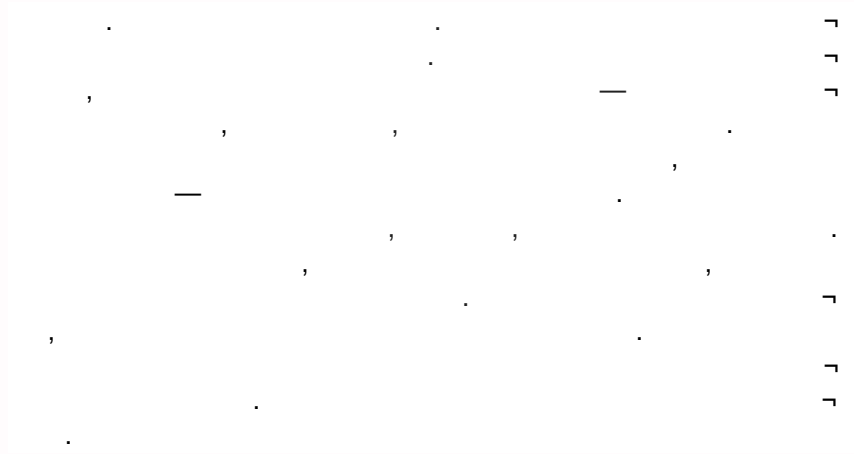
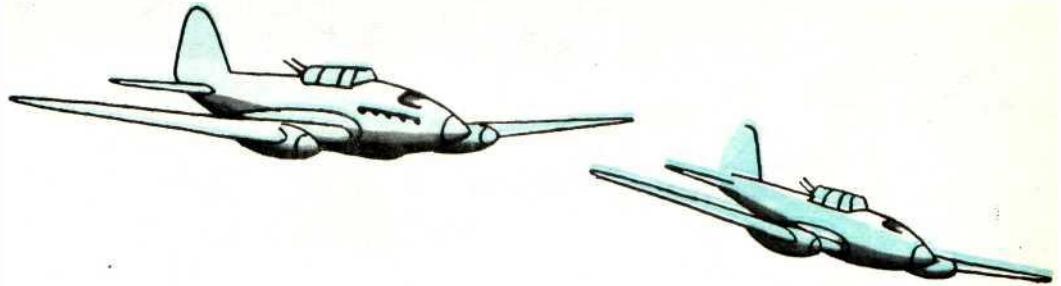
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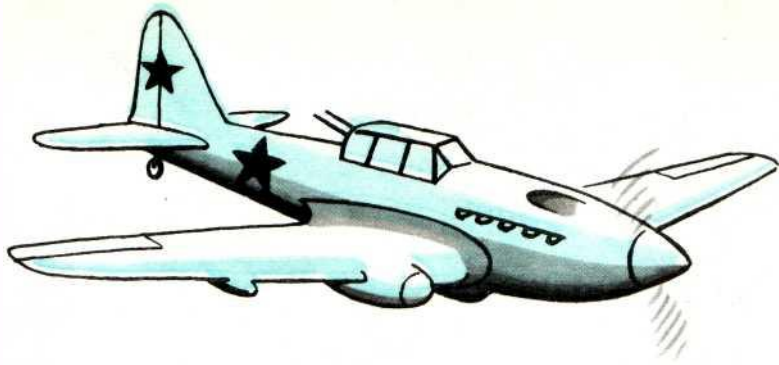


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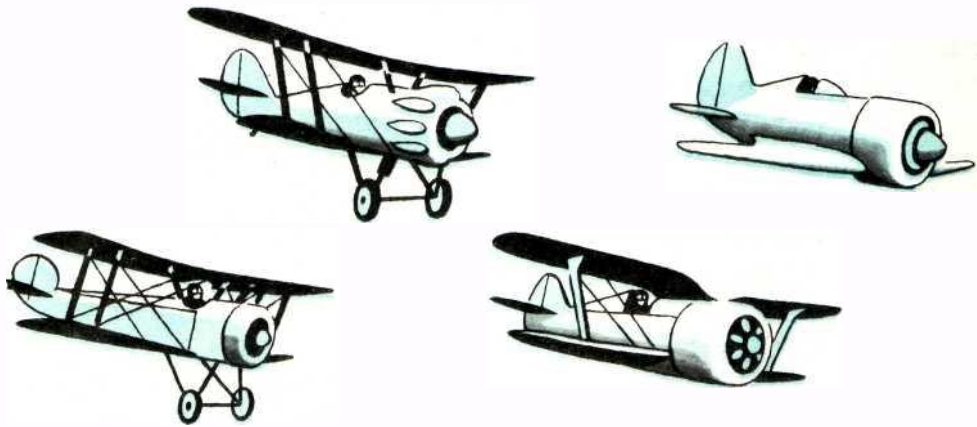










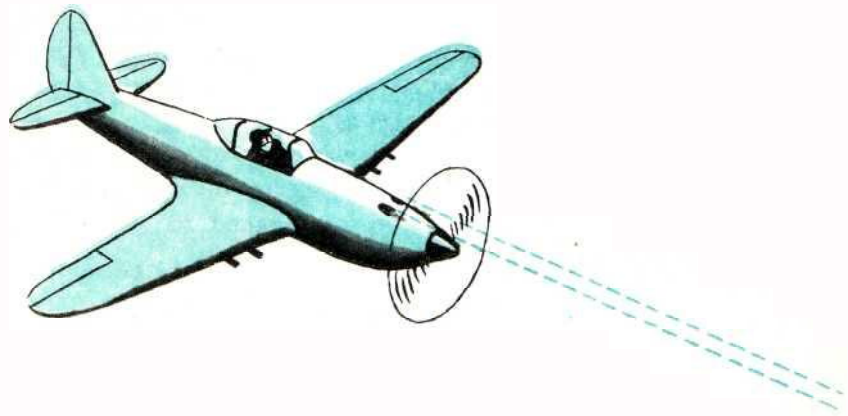
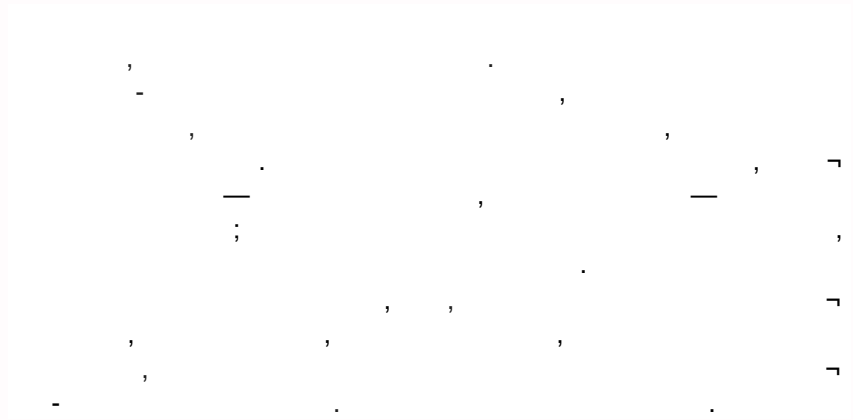


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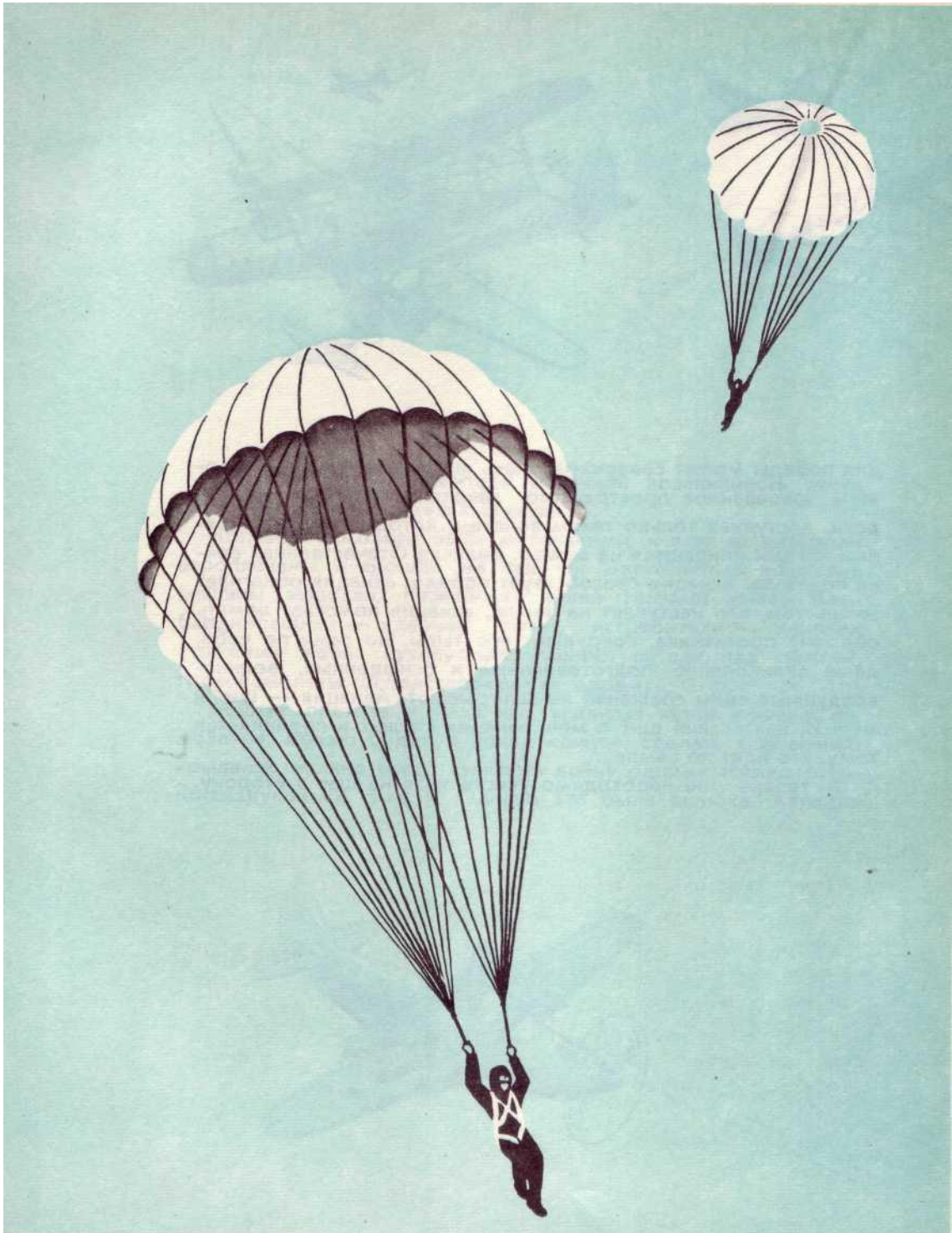
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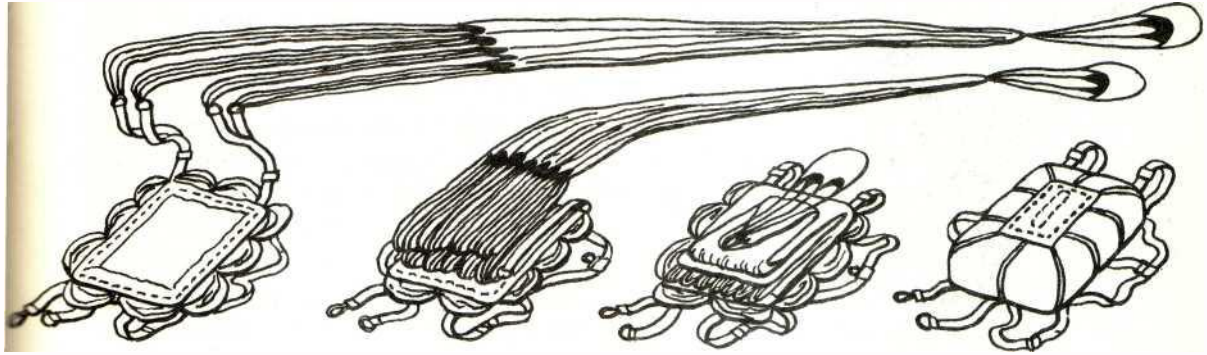


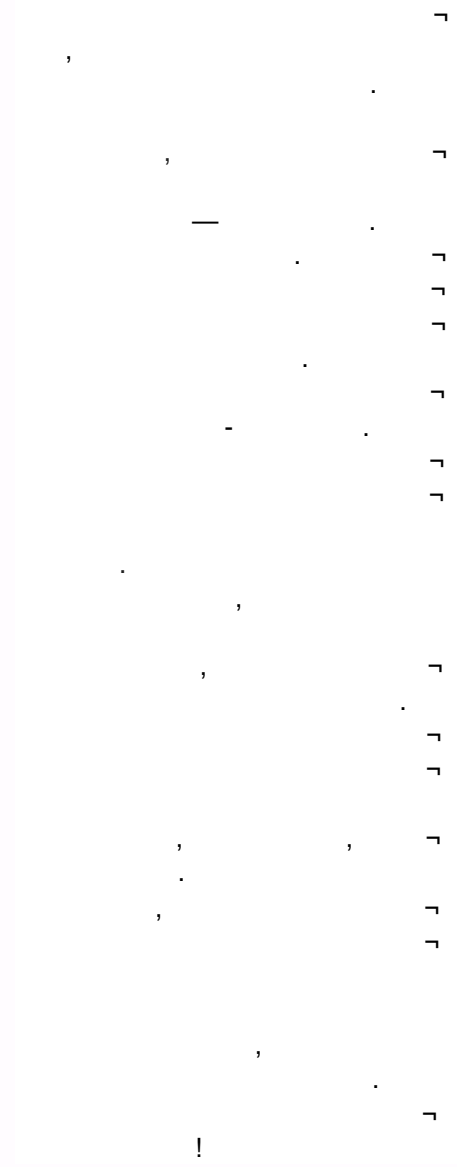
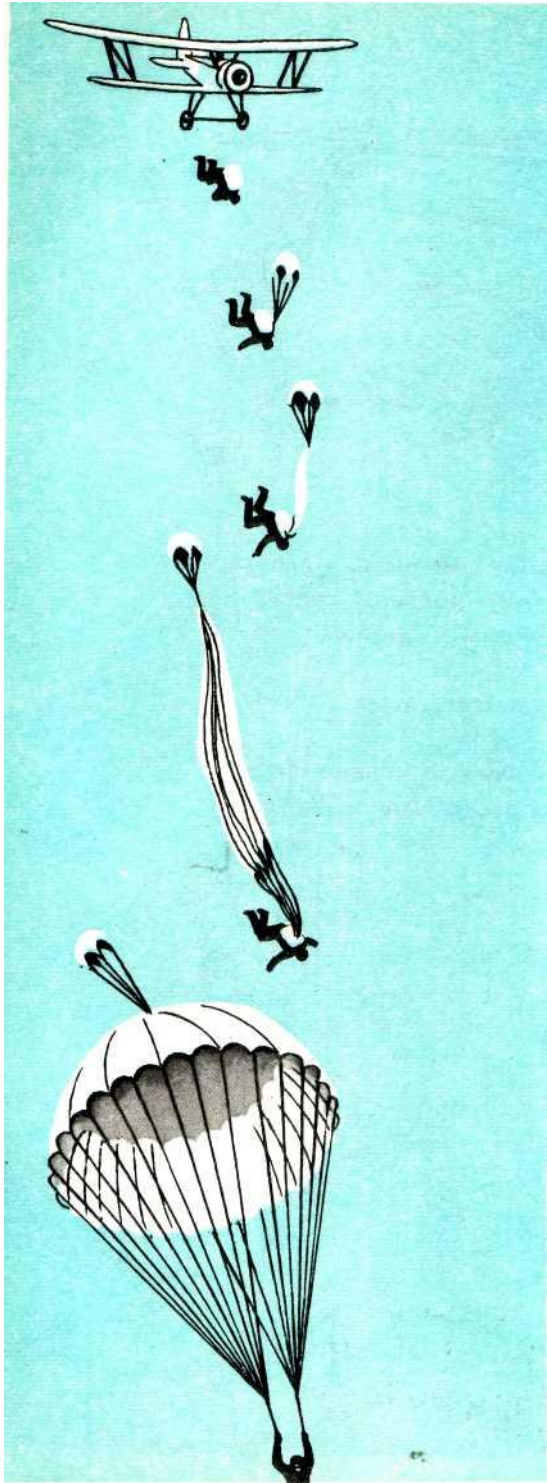




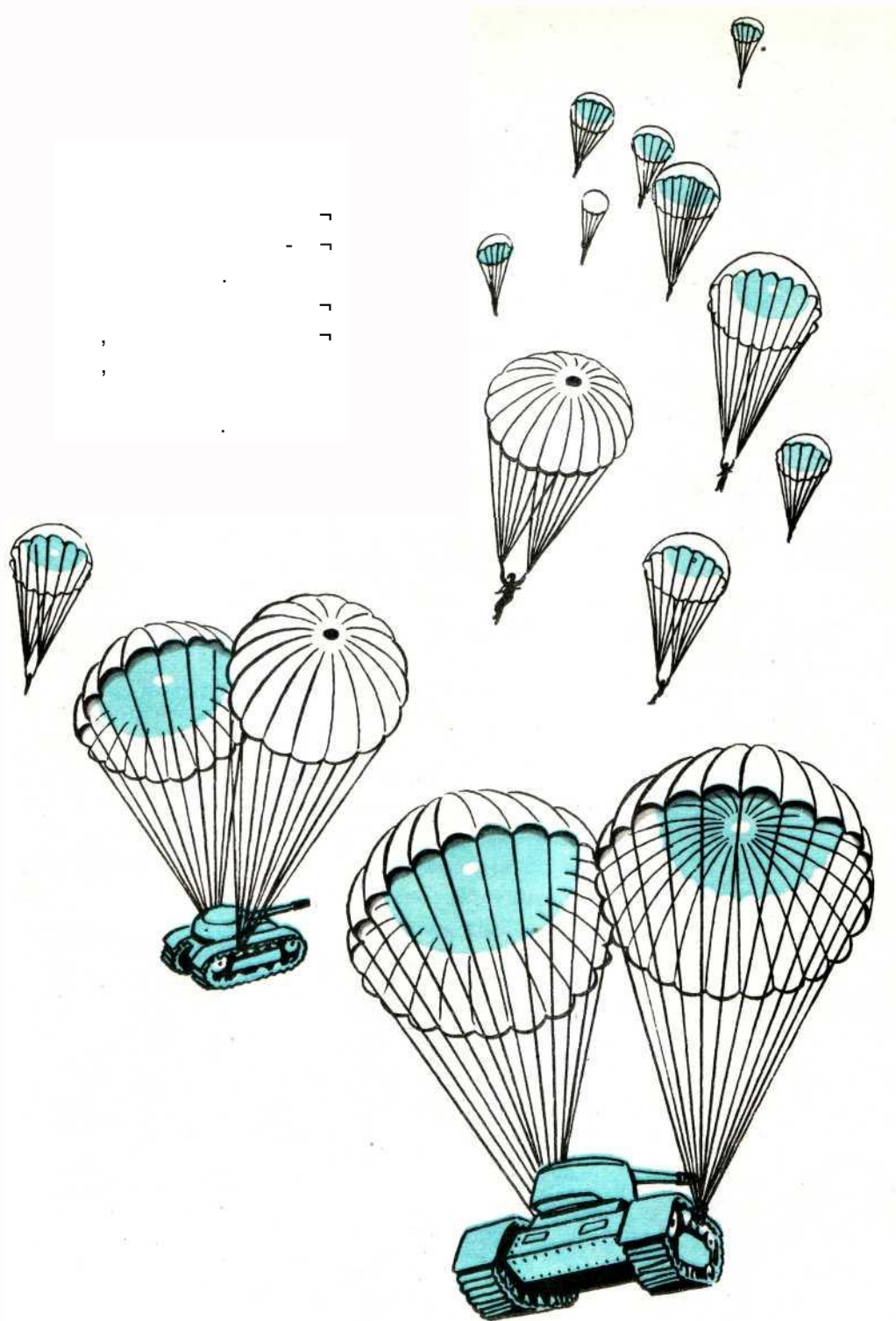




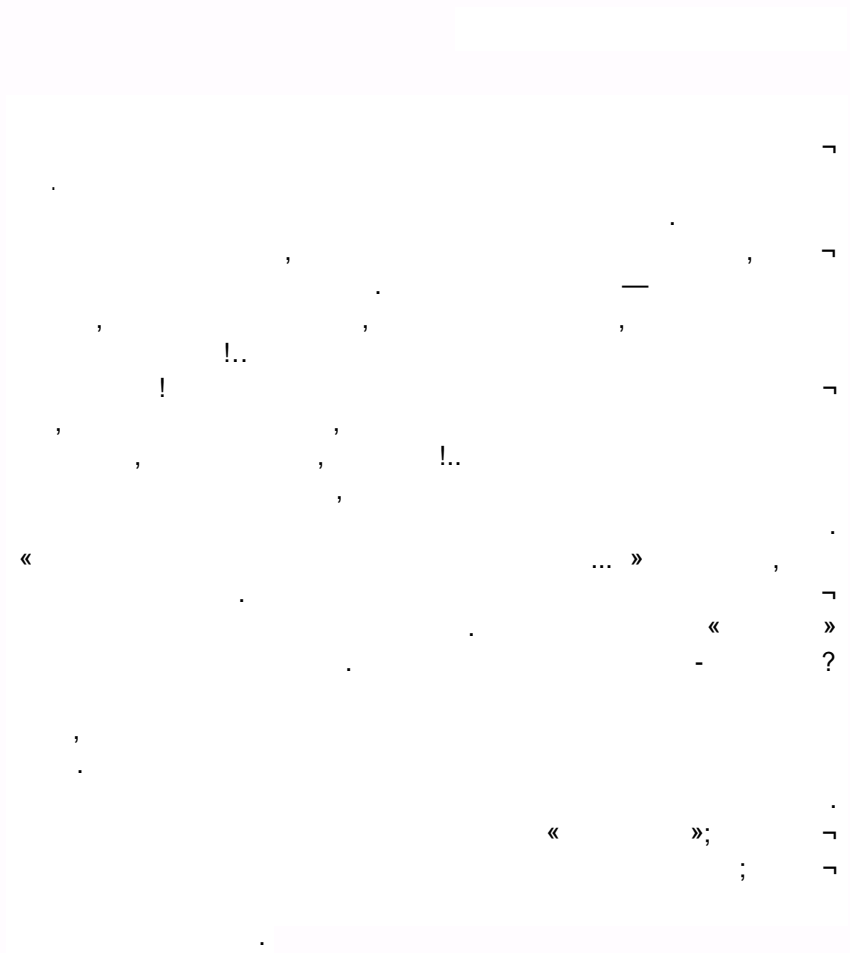




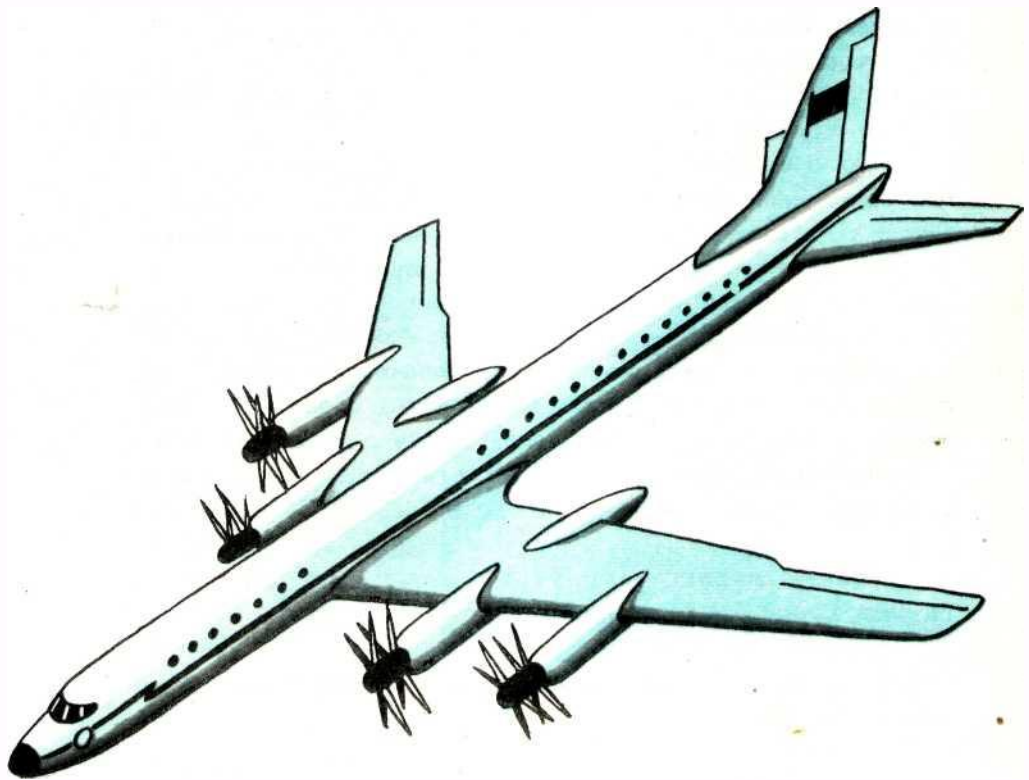
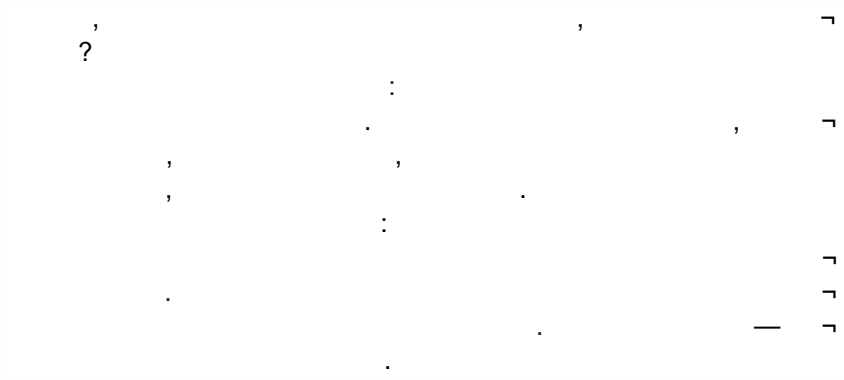


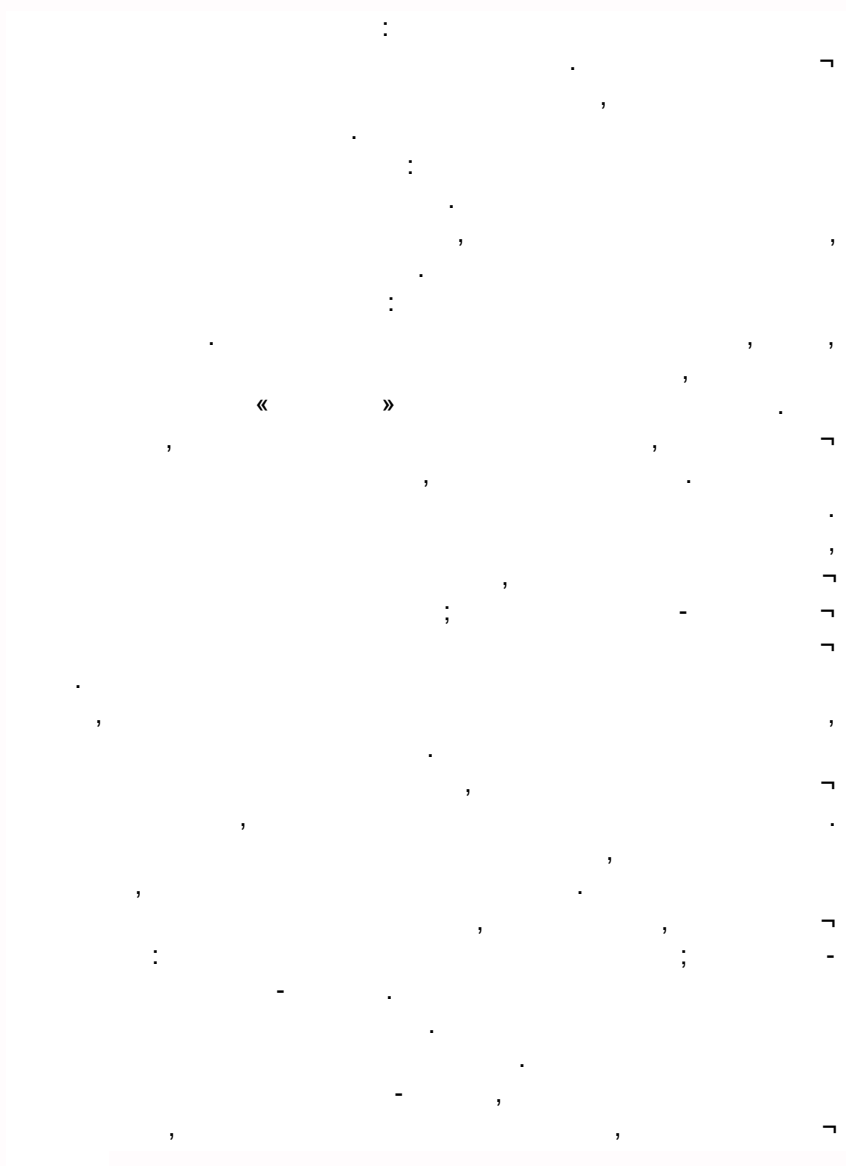


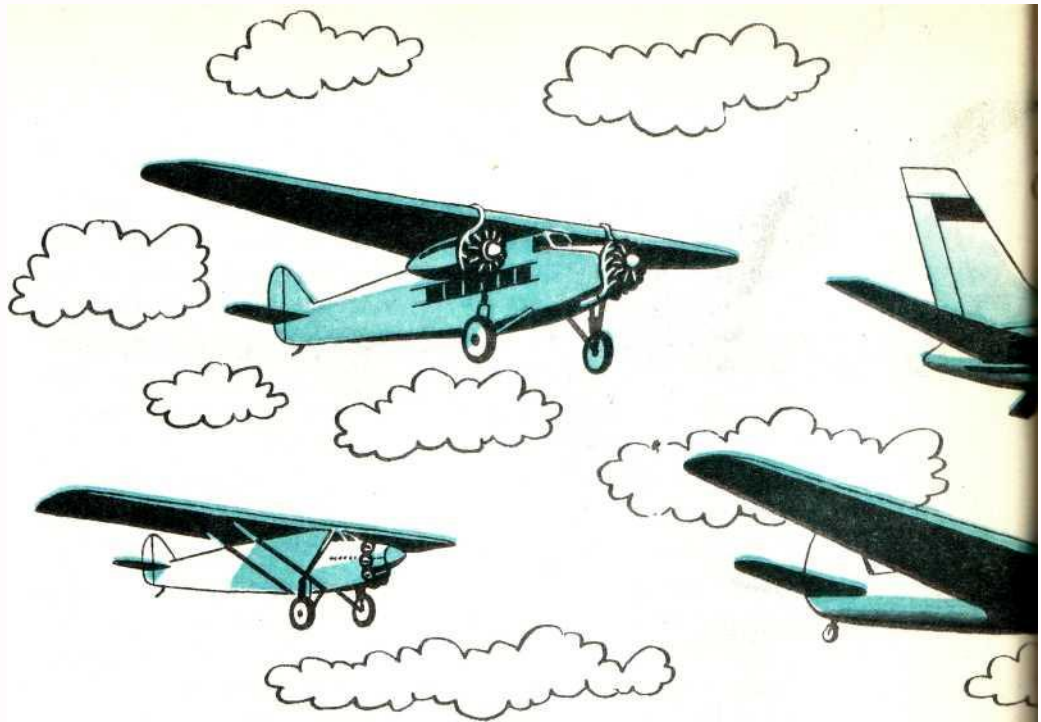




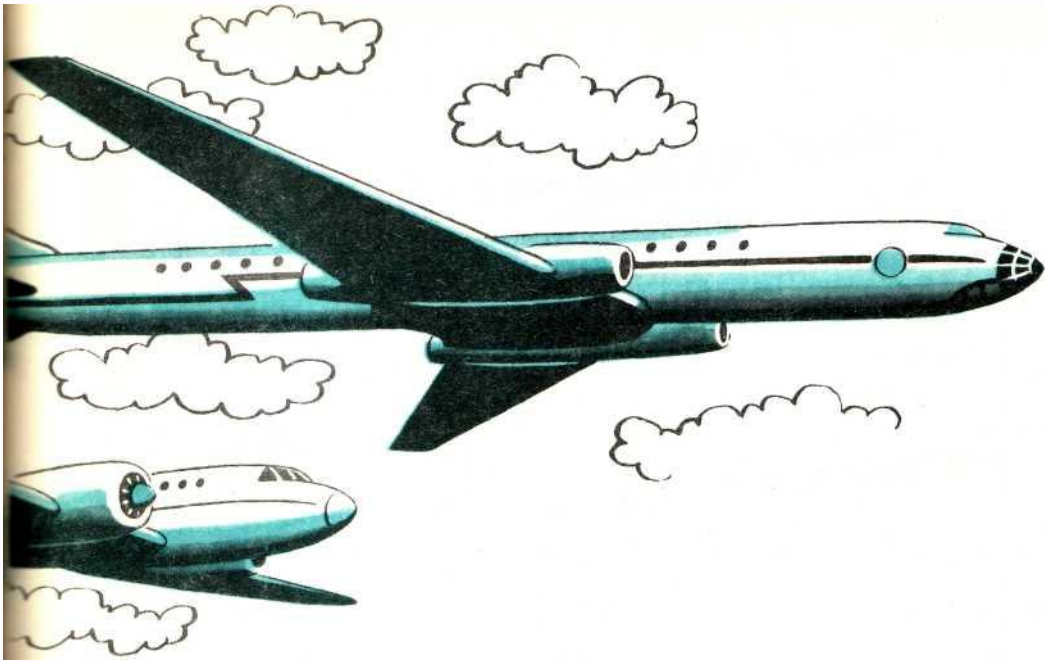








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|--------|-----|------|---|------|--------|-----|------|
| « -18» | 1—2 | 3    | 1 | 250  | 300    | 120 | 600  |
| « -1»  | 1—2 | 3    | 1 | 575  | 300    | 200 | 3000 |
| « -4»  | 2   | 8—12 | 1 | 1700 | 1700   | 220 | 6000 |
| « -6»  | 4—5 | 80   | 2 | 5500 | 12 000 | 300 | 4500 |



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|--------|--------|--------|---|------|--------|--------|------|-----|
| « -8»  | 2      | 24     | 2 | 1500 | 4000   | 230    | 4500 | 475 |
| « -10» | 3      |        | 2 | 5500 | 15 000 | 200    | 3000 | 250 |
| « -2»  | 1—2    |        | 1 | 83   | 200    | 125    | 3100 | 150 |
| «S-2»  | 1      | 4      | 1 | 575  | 625    | 160    | 4000 | 450 |
| «S-55» | 1—2    | 7—8    | 1 | 600  | 518    | 176    |      | 473 |

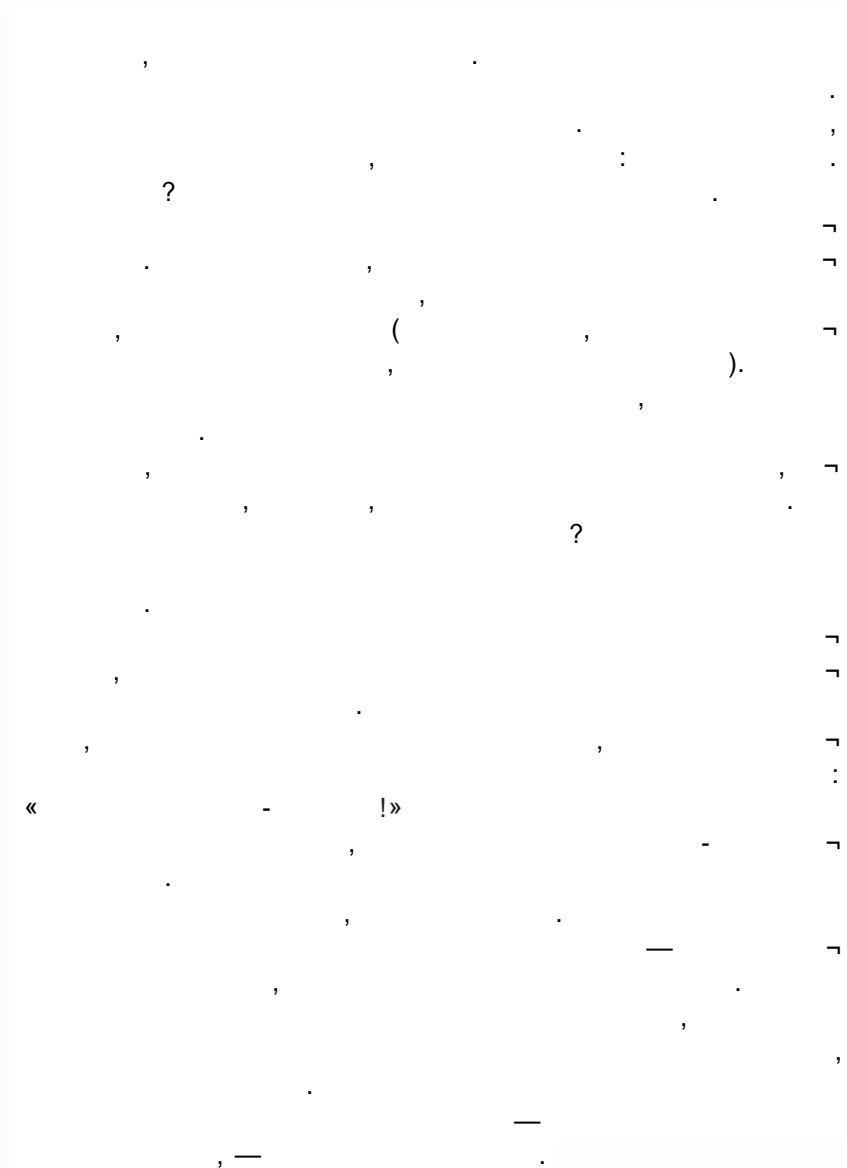
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| « -2»     | 2   | 7—10 | 1 | 1000 . .   |
| « -10»    | 4—5 | 126  | 4 | 4000 . .   |
| « -22»    | 5—6 | 720  | 4 | 1500 . .   |
| « -18»    | 5   | 100  | 4 | 4000 . .   |
| « -62»    | 5   | 186  | 4 | 10 500     |
| « -104»   | 5   | 100  | 2 | 9700       |
| « -114»   | 5   | 220  | 4 | 15 000 . . |
| « -154»   | 5   | 164  | 3 | 9500       |
| « -144»   | 3—4 | 135  | 4 | 13 000     |
| « - -6»   | 5   | 92   | 4 | 2500 . .   |
| « - -8»   | 8   | 132  | 4 |            |
| « -707»   | 5—8 | 162  | 4 | 7620       |
| « -747»   | 3   | 490  | 4 | 21 300     |
| « - -320» | 4—5 | 118  | 4 | 4445 . .   |
| « -4 »    | 4—6 | 102  | 4 | 4670       |
| « »       | 3—4 | 80   | 2 | 5300       |

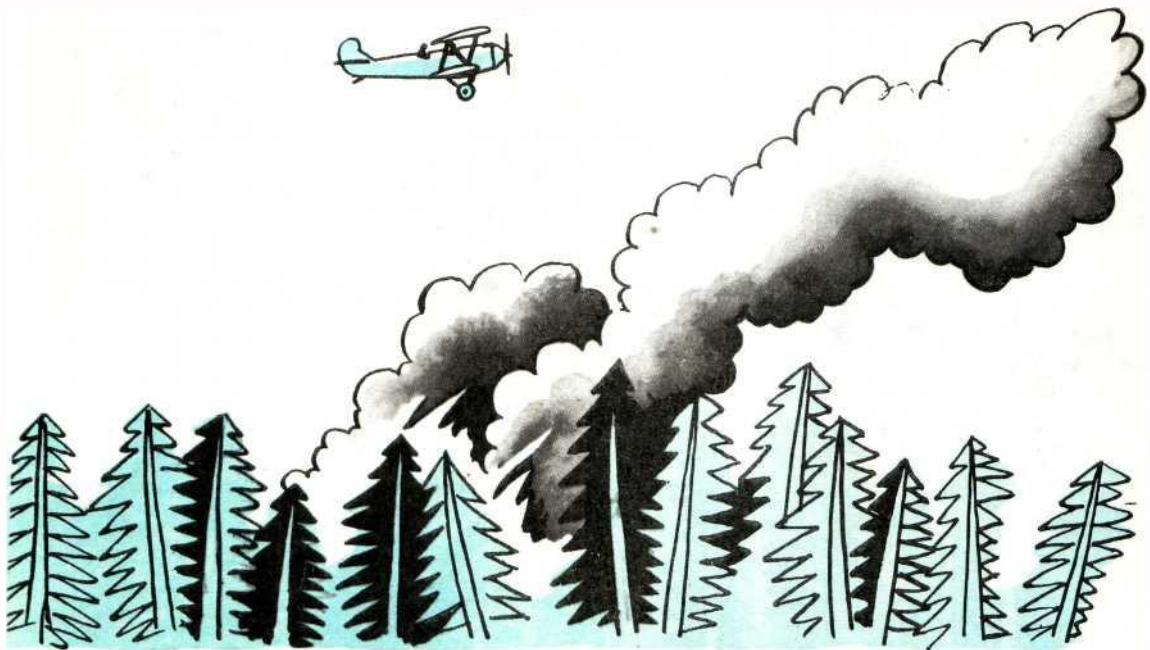
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| 2000        | 190—200 | 260  | 5000           | . 1400    |
| 13 500      | 650     | 754  | 8000           | —         |
| 80 000      | 680     | 740  | 8000—10 000    | 11 000    |
| —           | 650     | 750  | 8000—10 000    | . 6000    |
| 23 000      | 850     | 900  | 10 000         | 6700      |
| 9000—12 000 | 800     | 950  | 10 000—12 000  | 3100      |
| 30 000      | 770     | 870  | 10 000—12 000  | 12 000    |
| 21 500      | 850—900 | 1000 | 11 000— 12 000 | 7000      |
| —           | —       | 2500 | 20 000         | 6500      |
| —           | 490     | 576  | —              | . 6170    |
| 16 300      | 885     | 965  | 10 000—12 000  | 7800      |
| —           | 950     | —    | 12 000—13 000  | 7600      |
| 63 500      | 965     | 990  | 13 000         | 6500      |
| 12 700      | 640     | —    | —              | 7693      |
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| 9000        | 800     | —    | 12 000         | 2400—2700 |





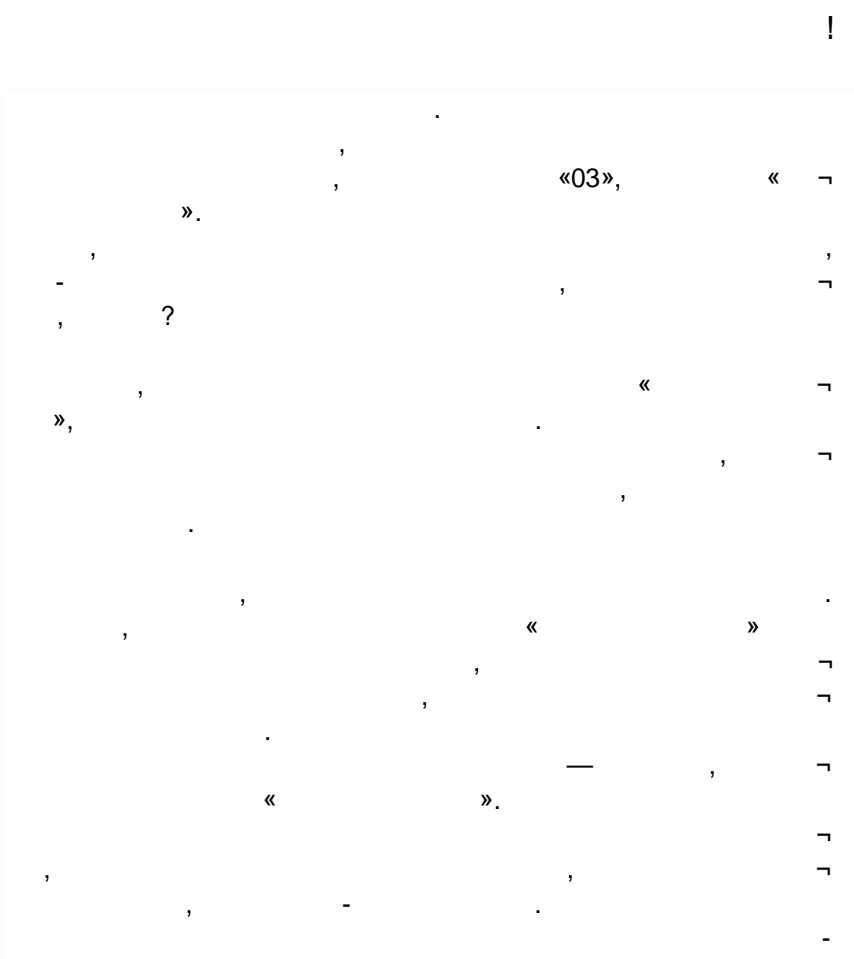






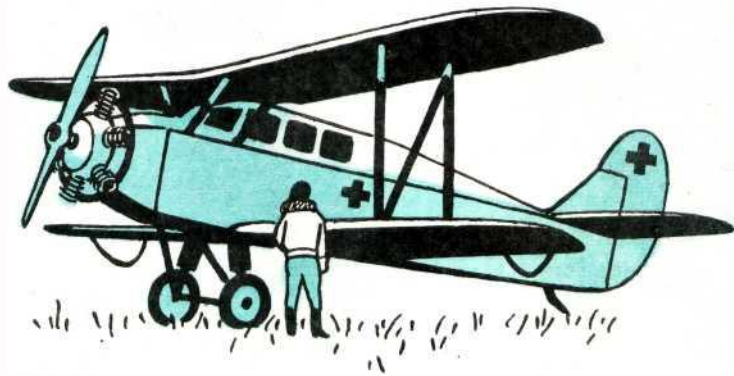
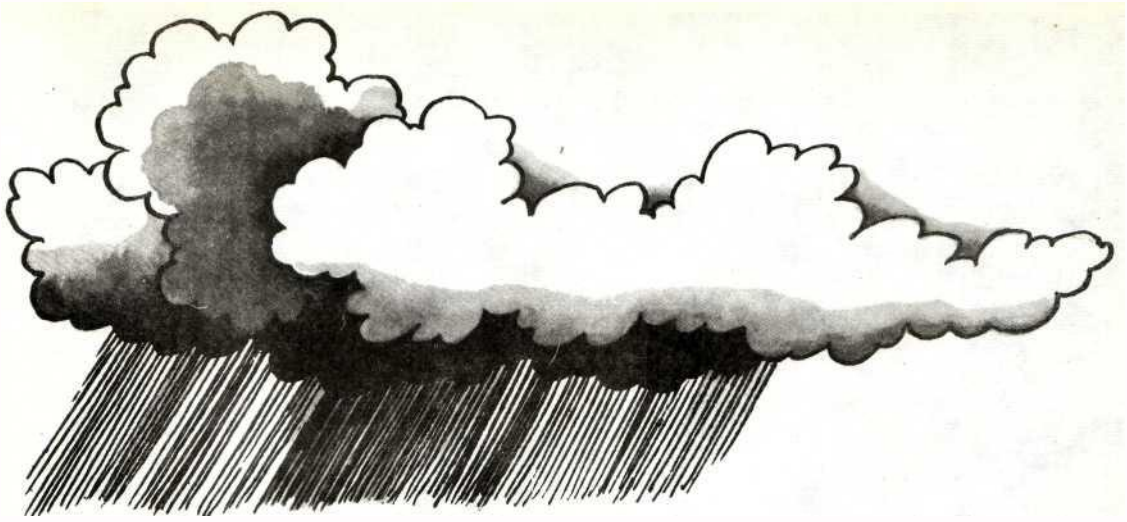


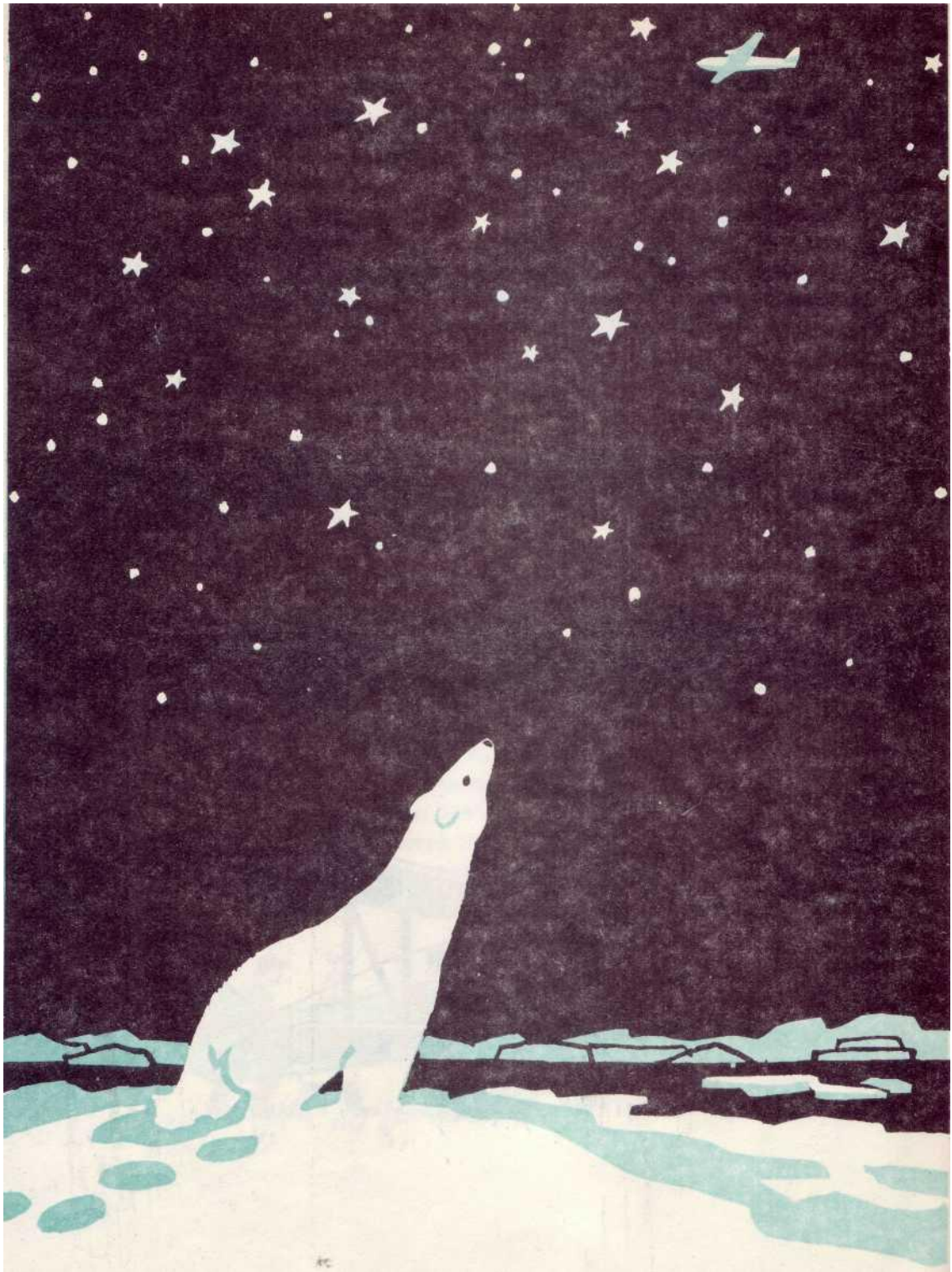




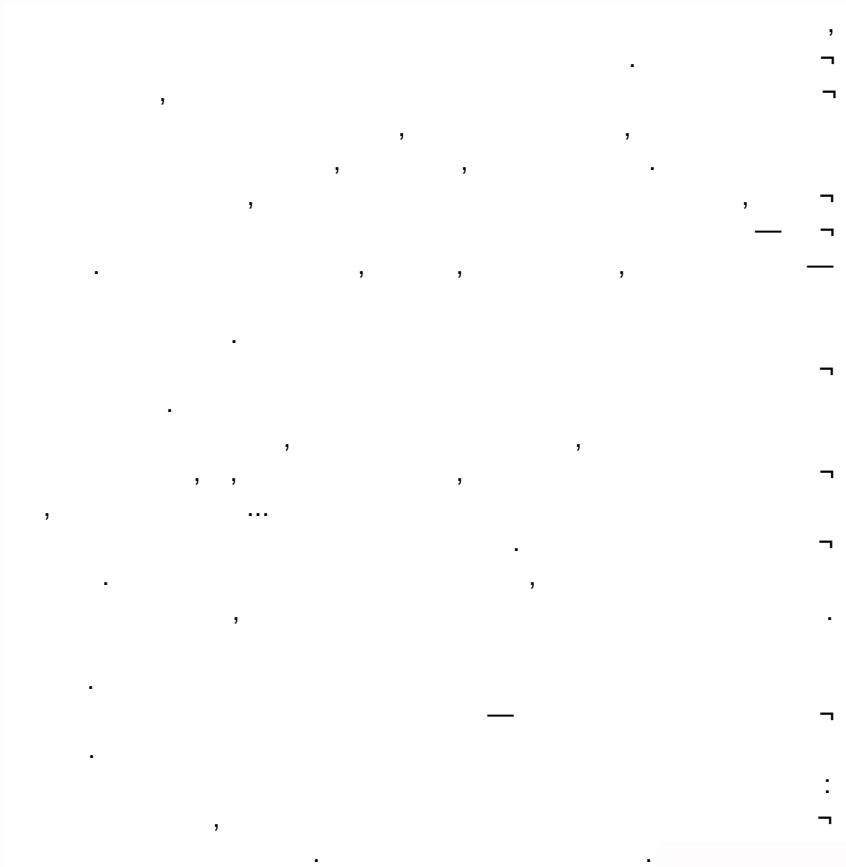


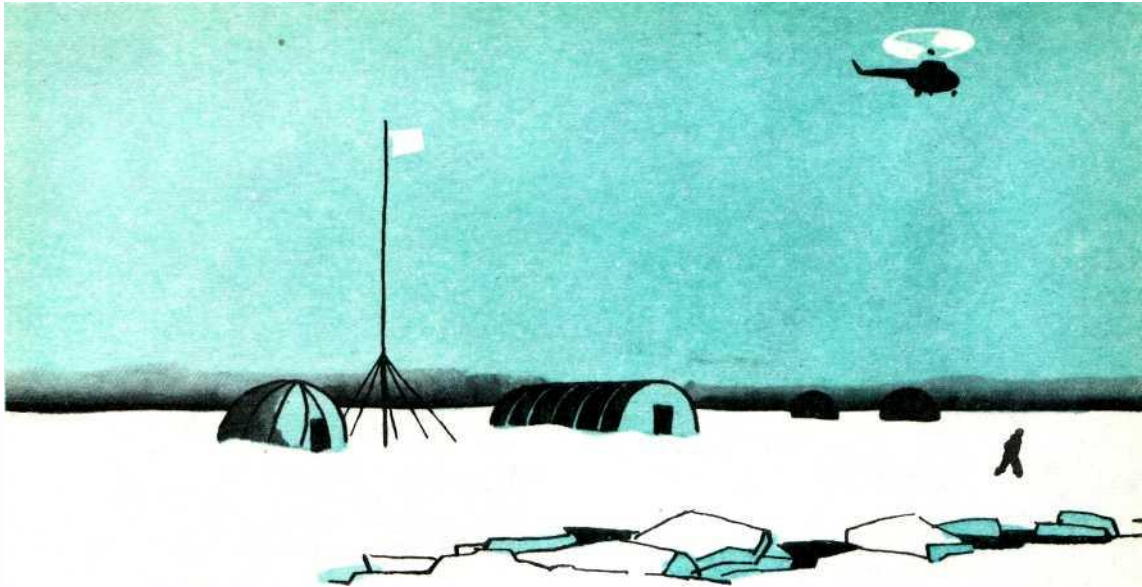






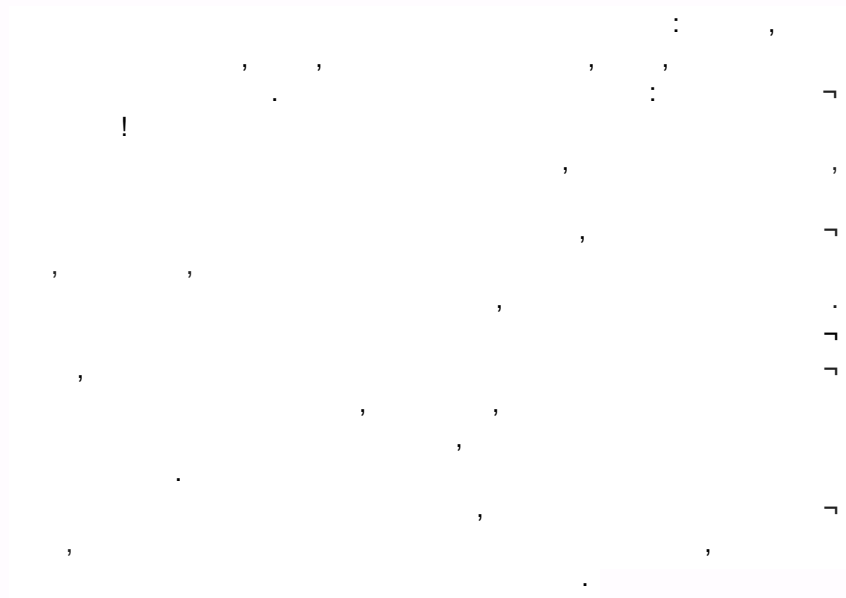
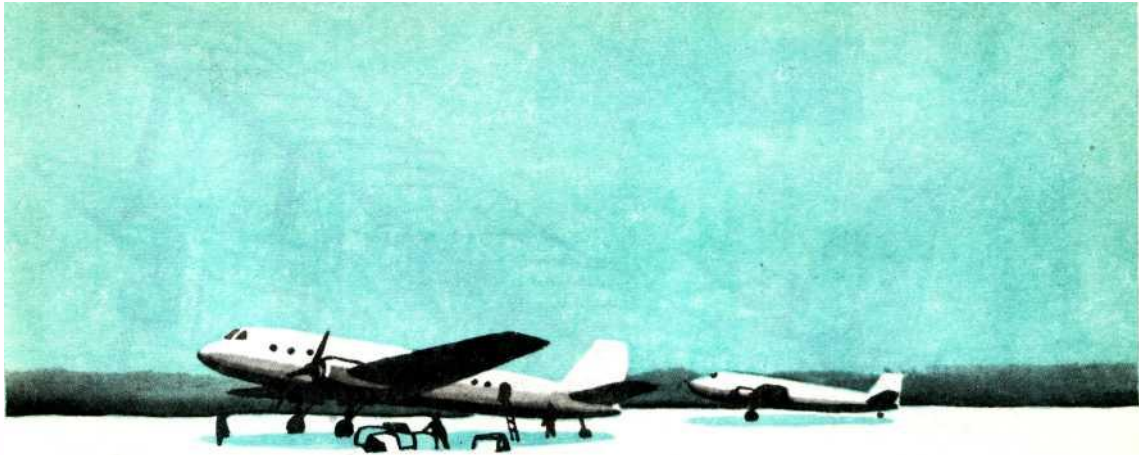
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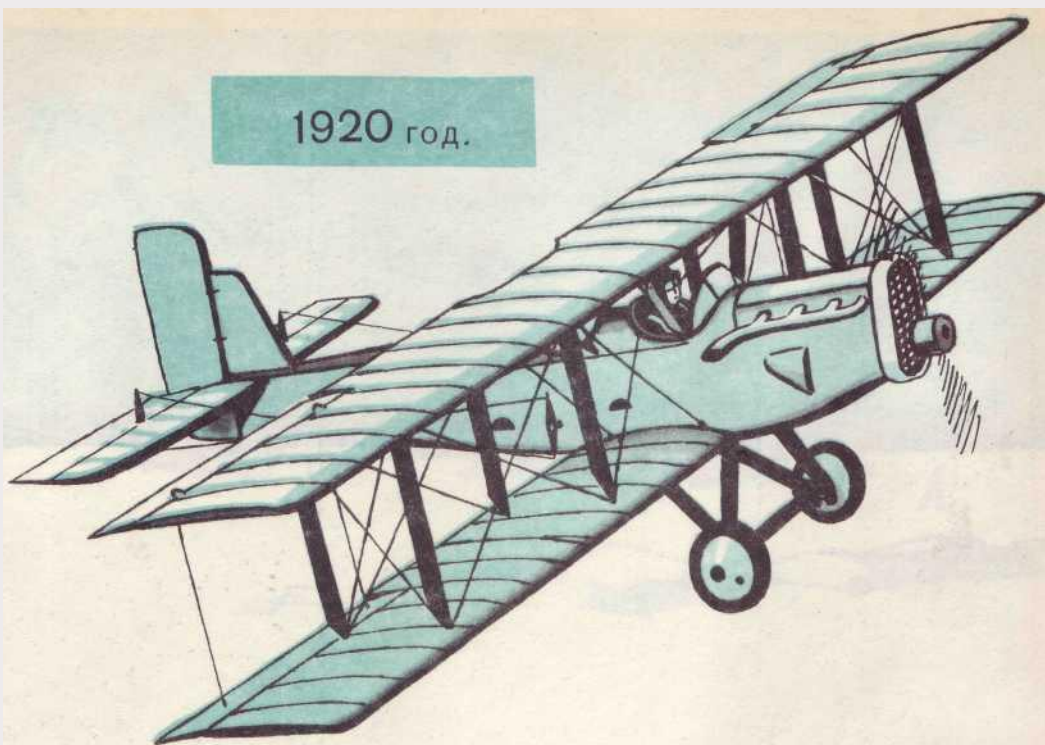
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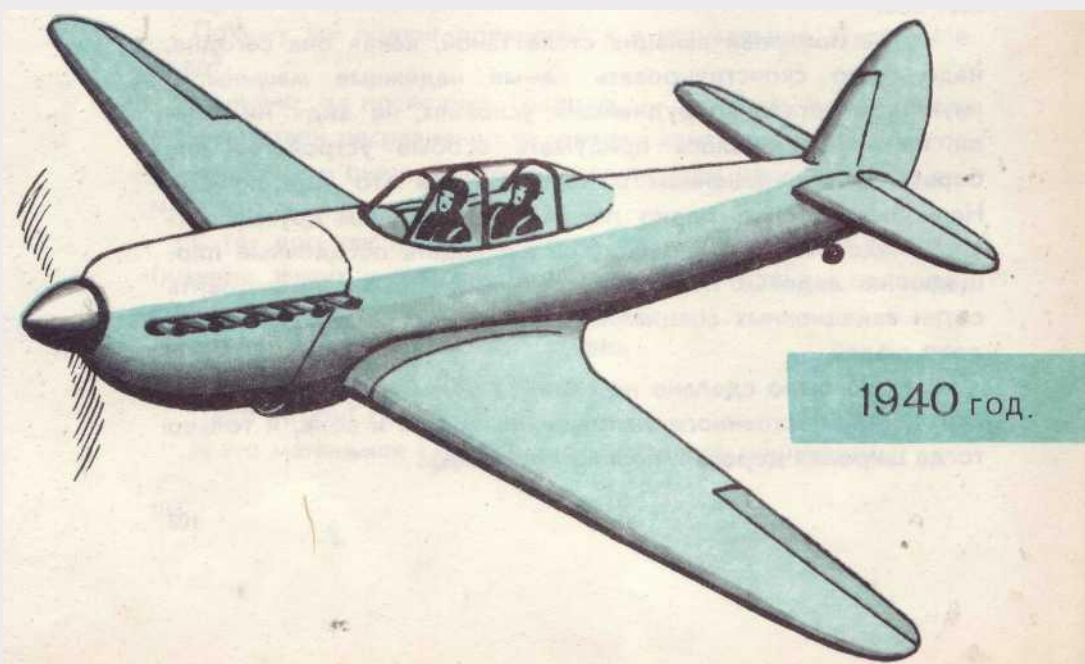




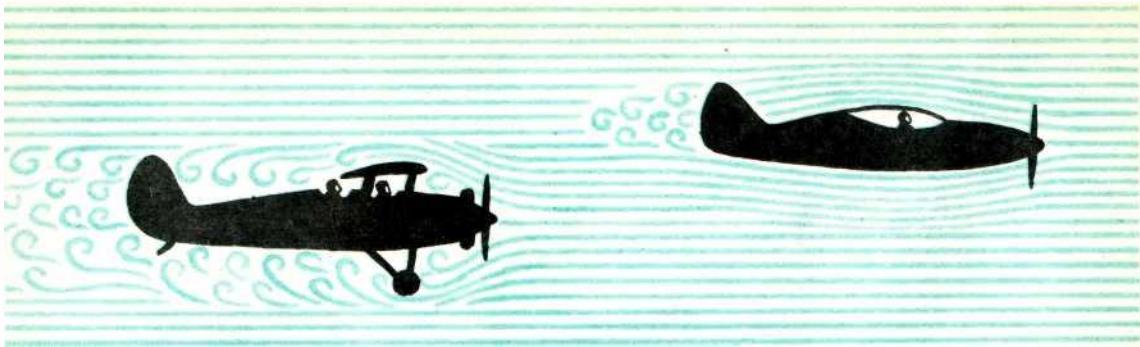
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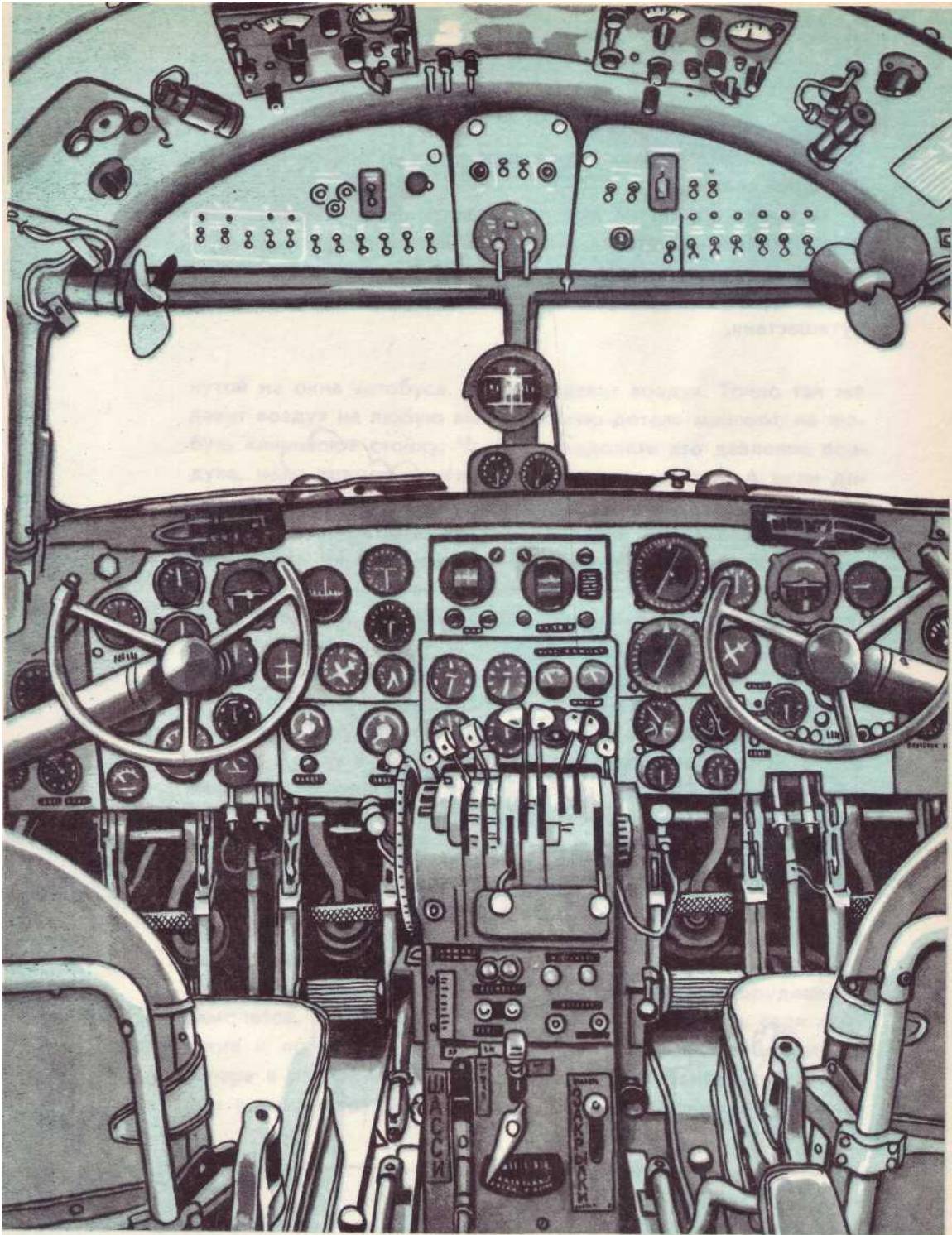
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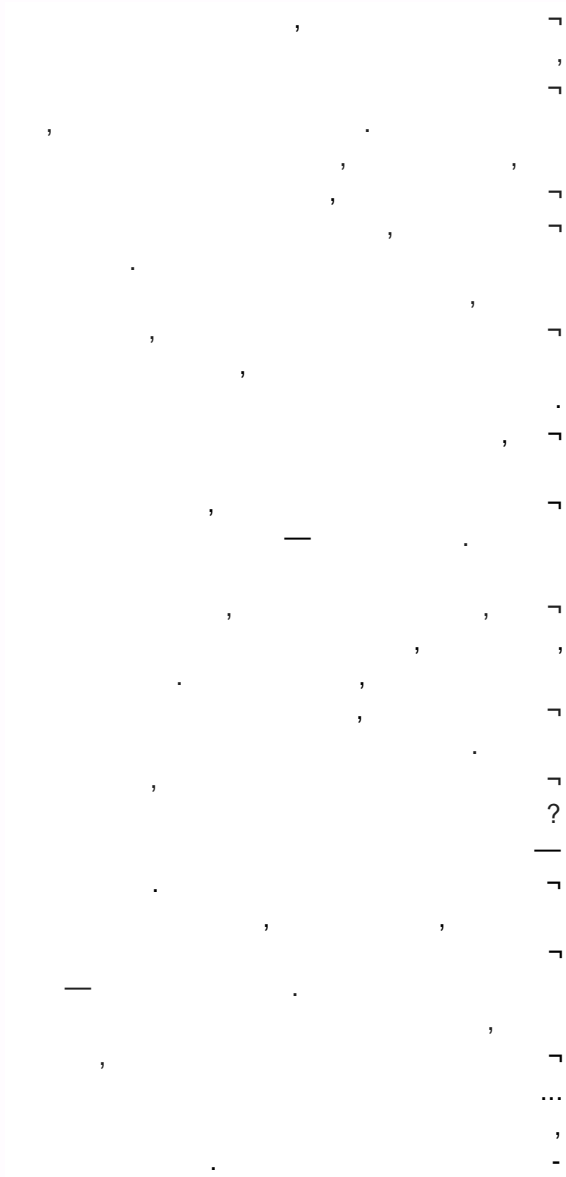


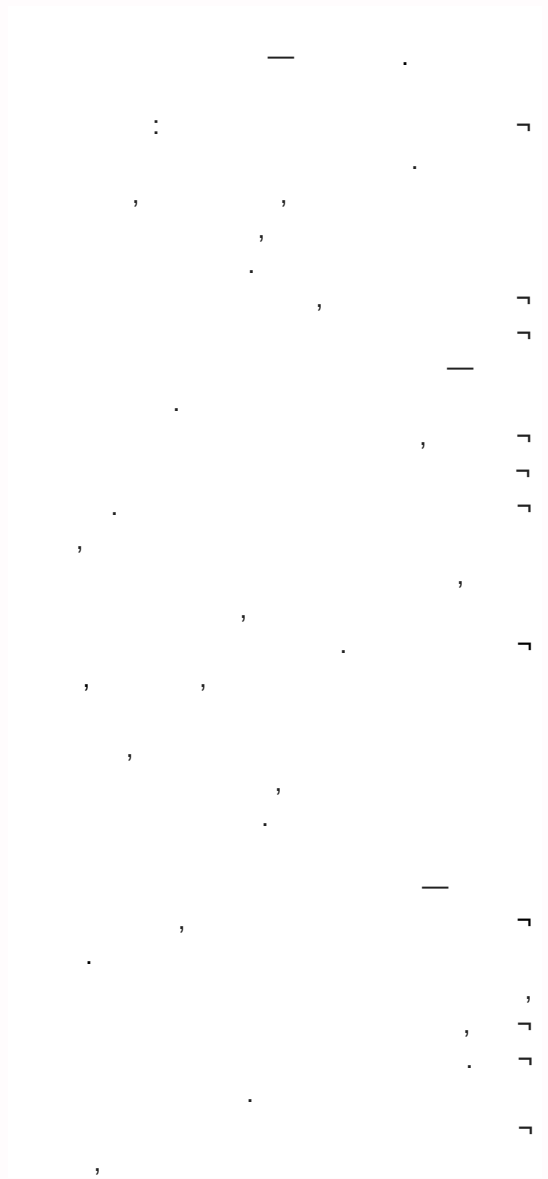








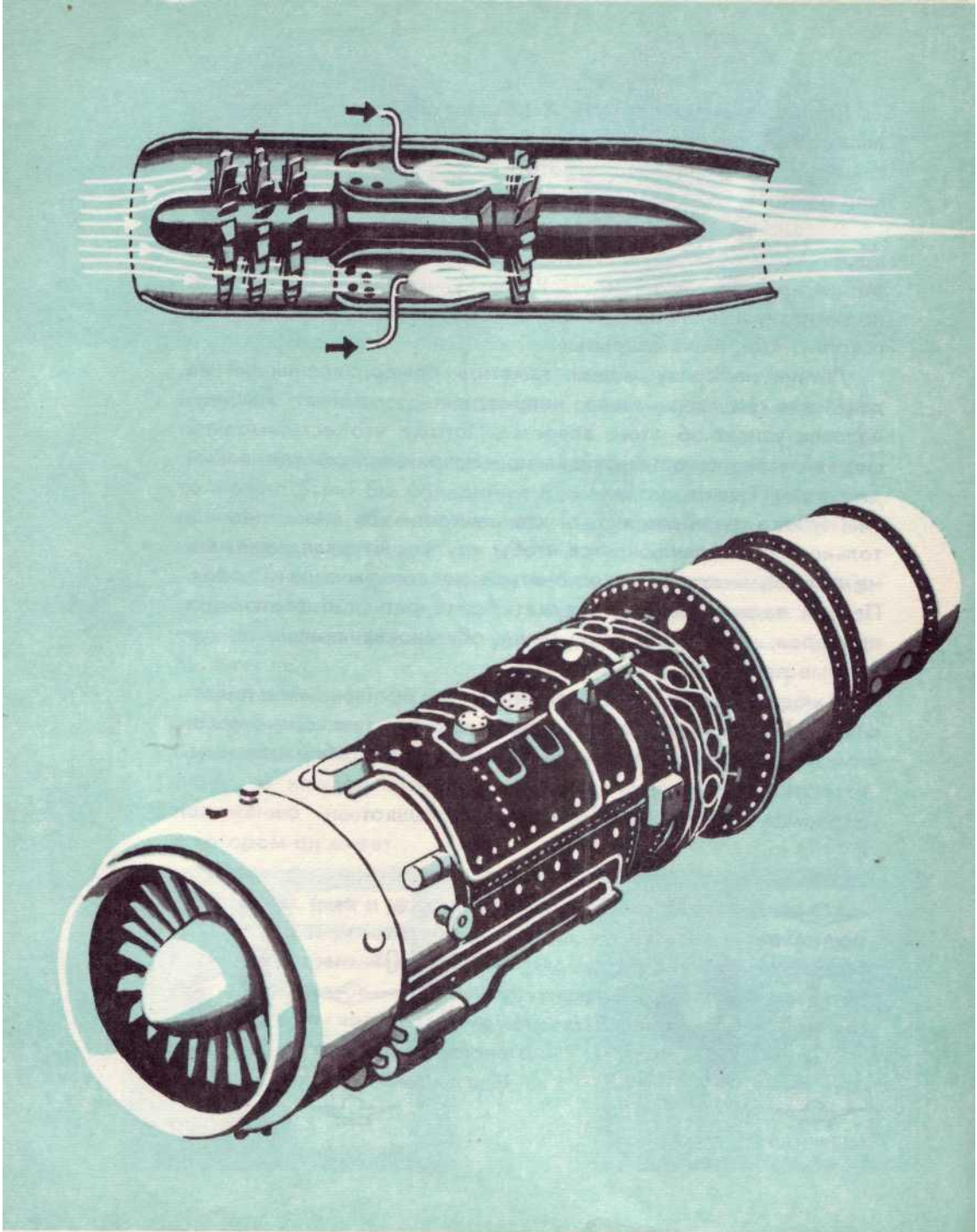


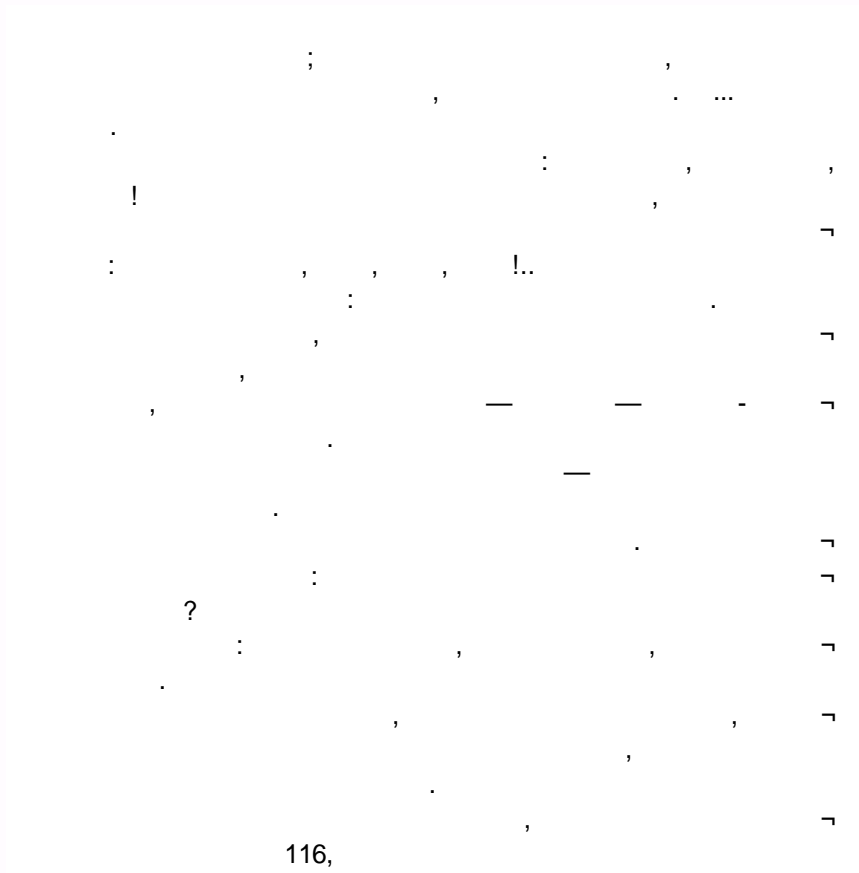




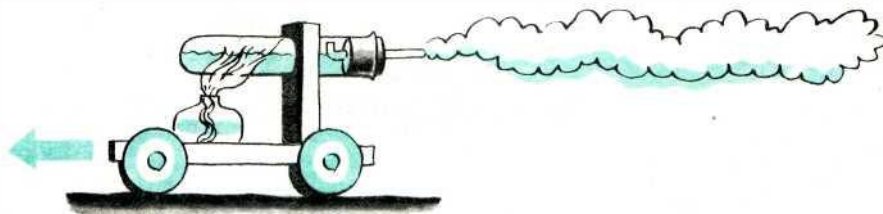
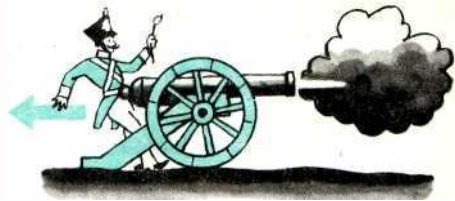




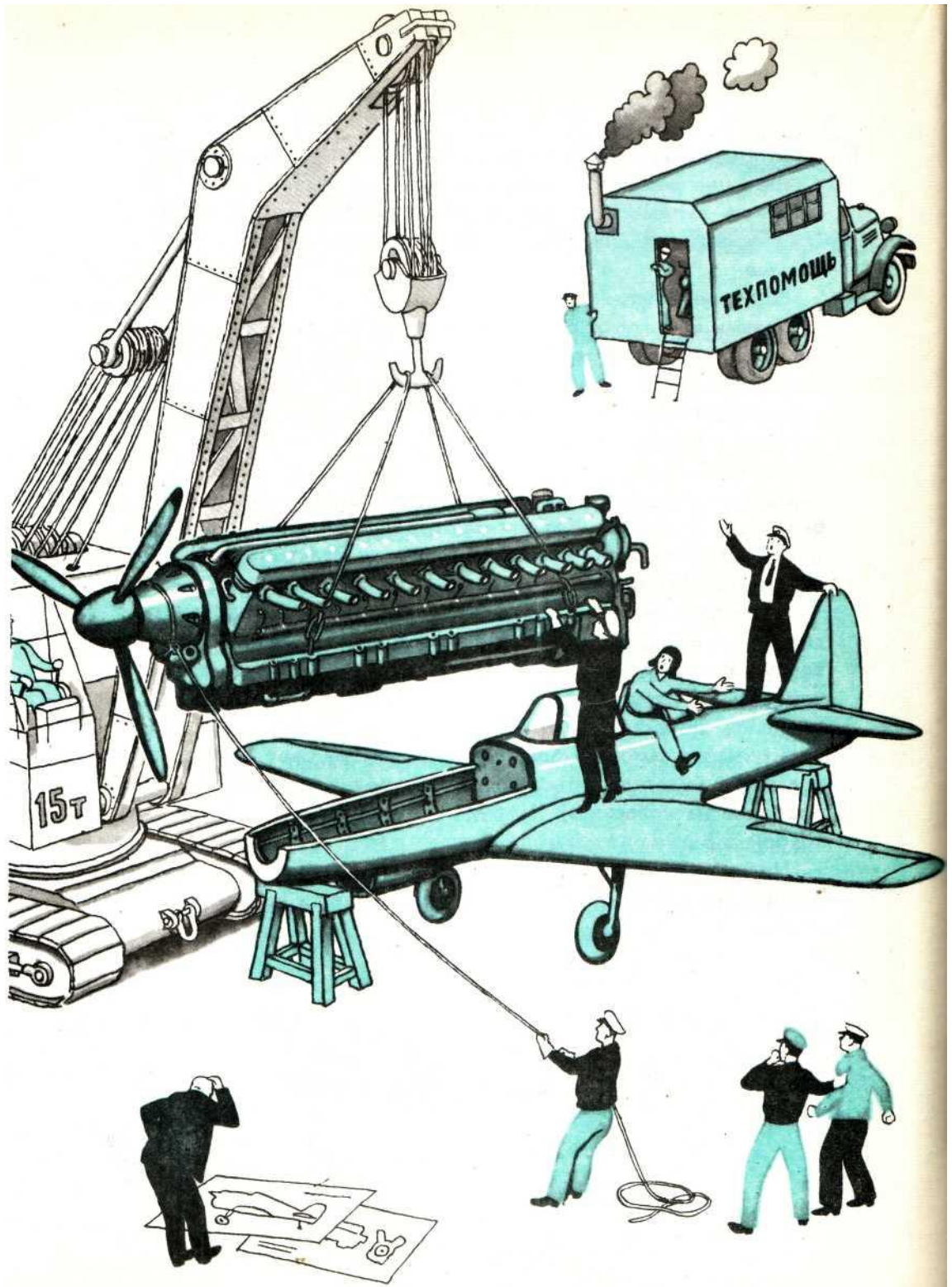


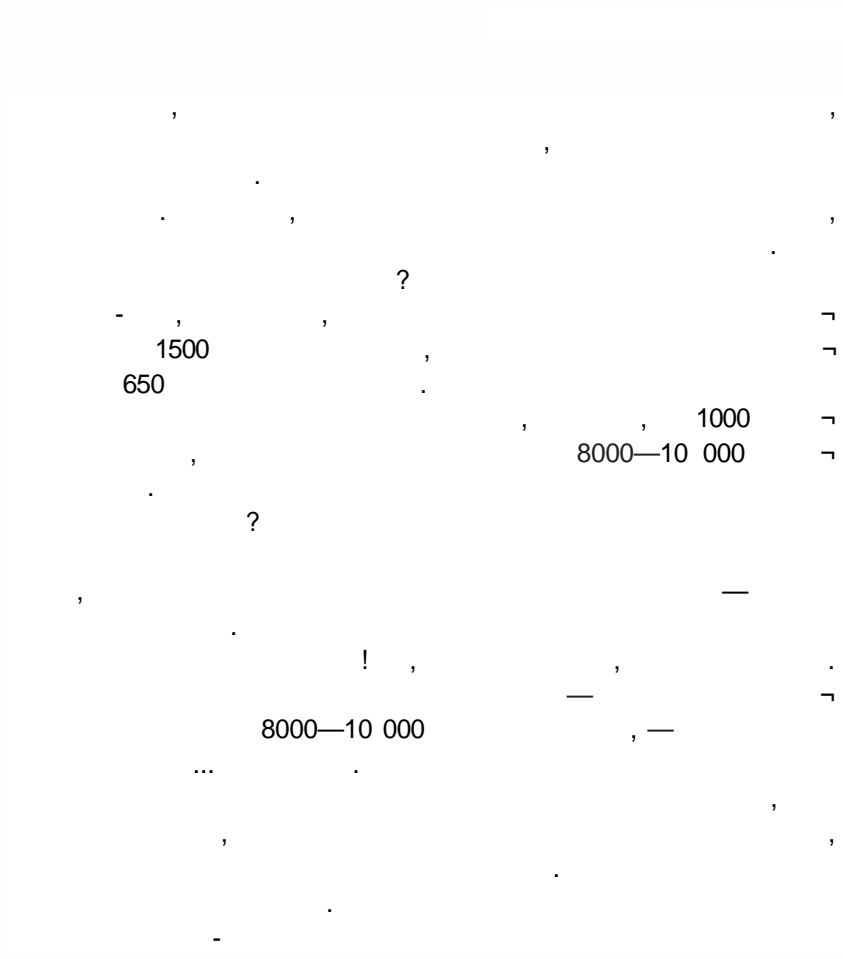


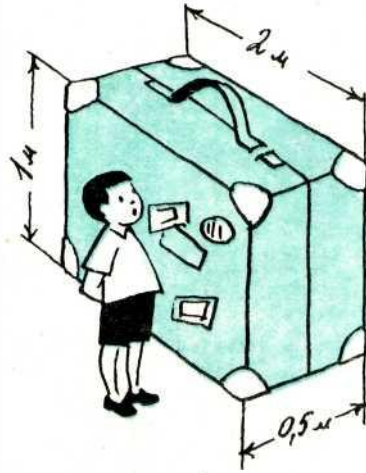








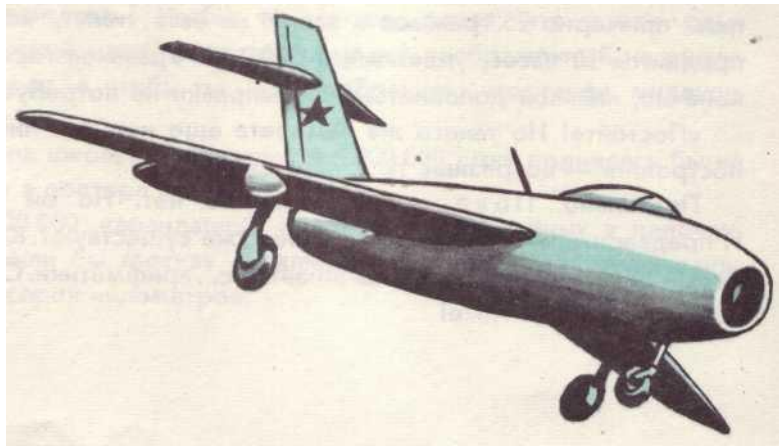
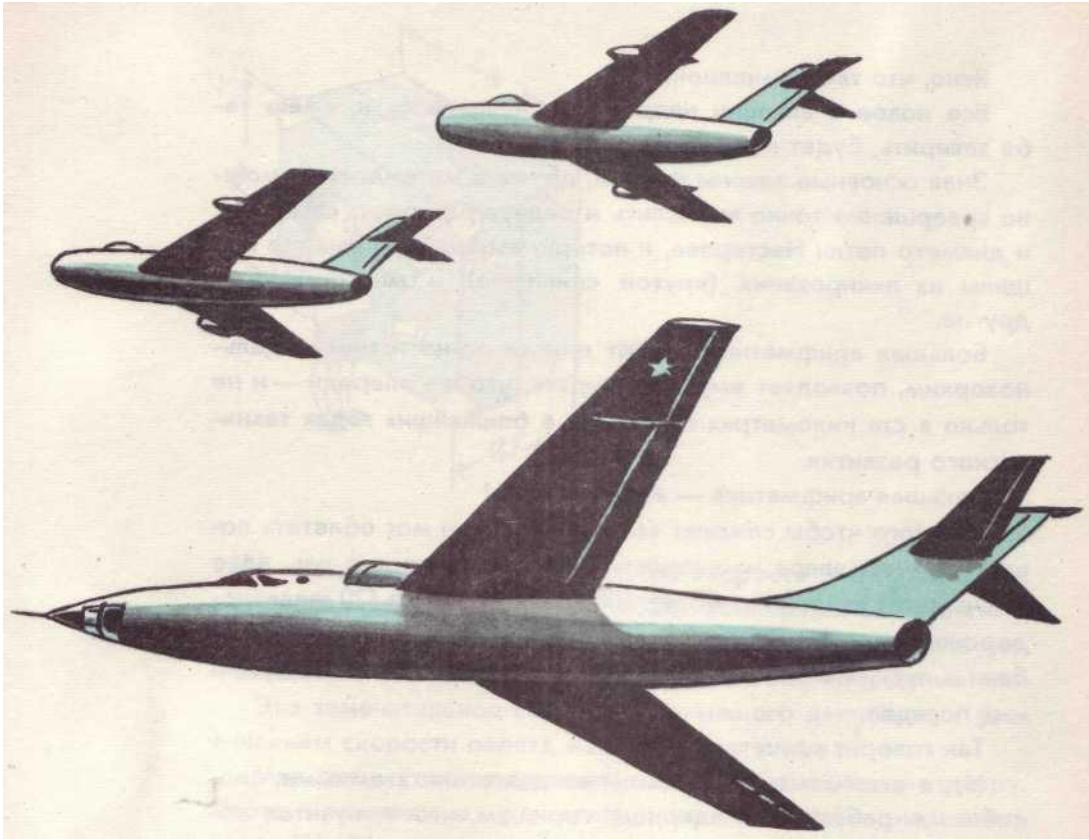




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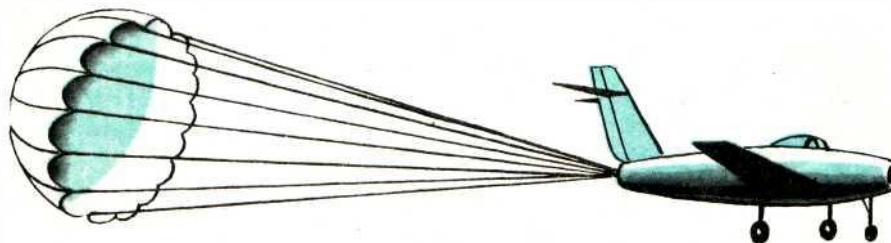
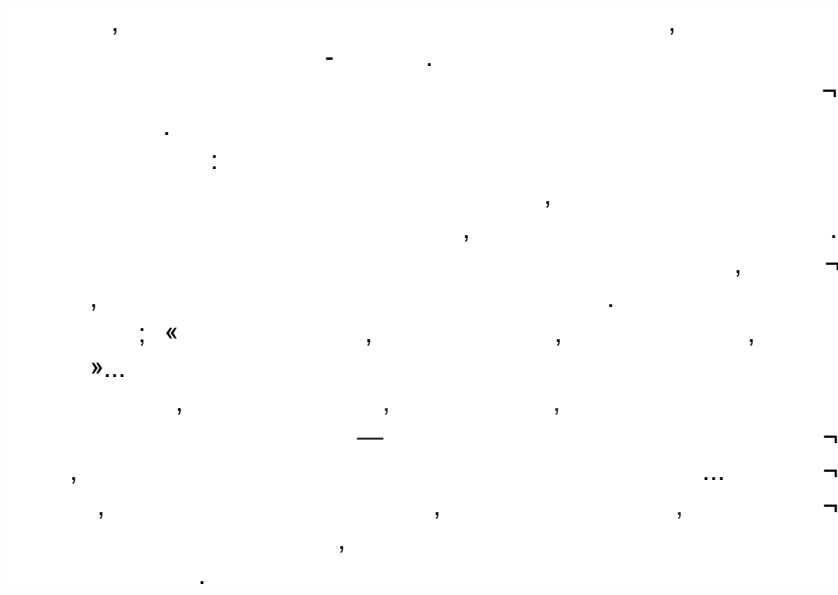
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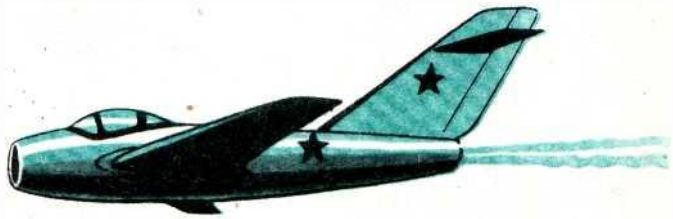
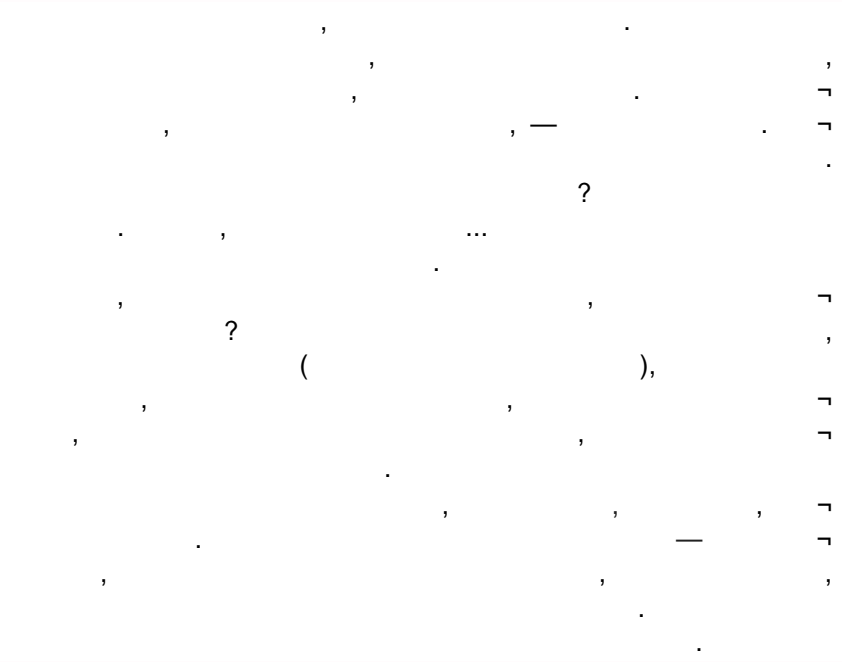
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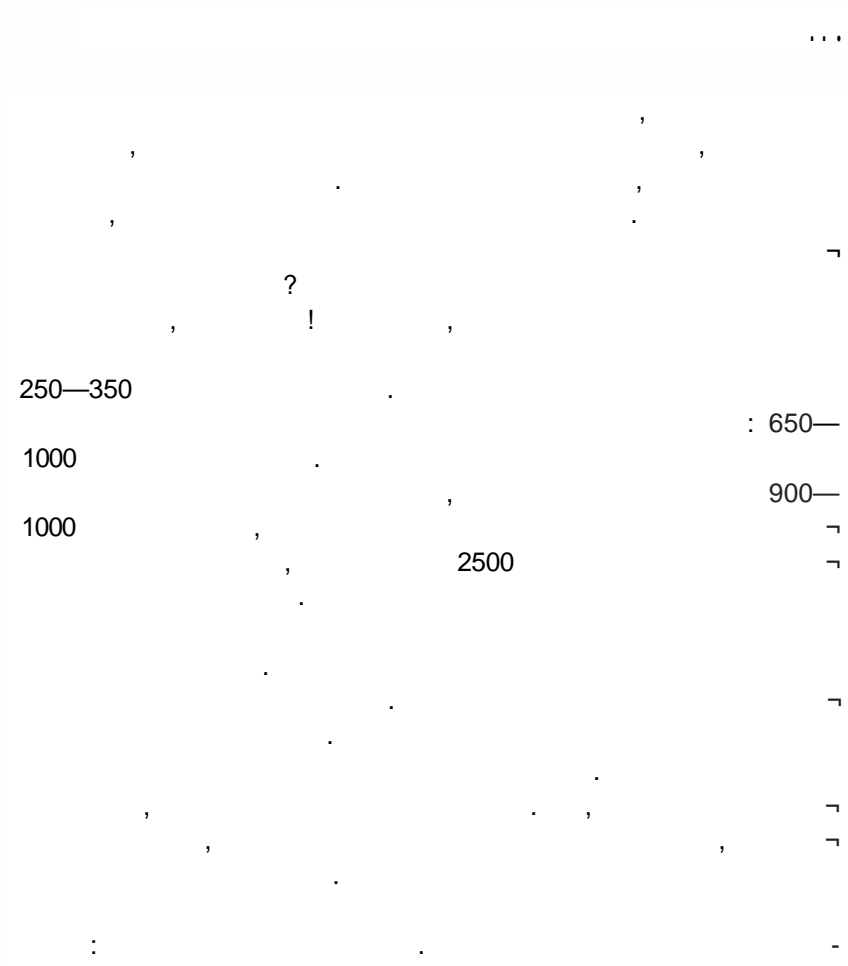
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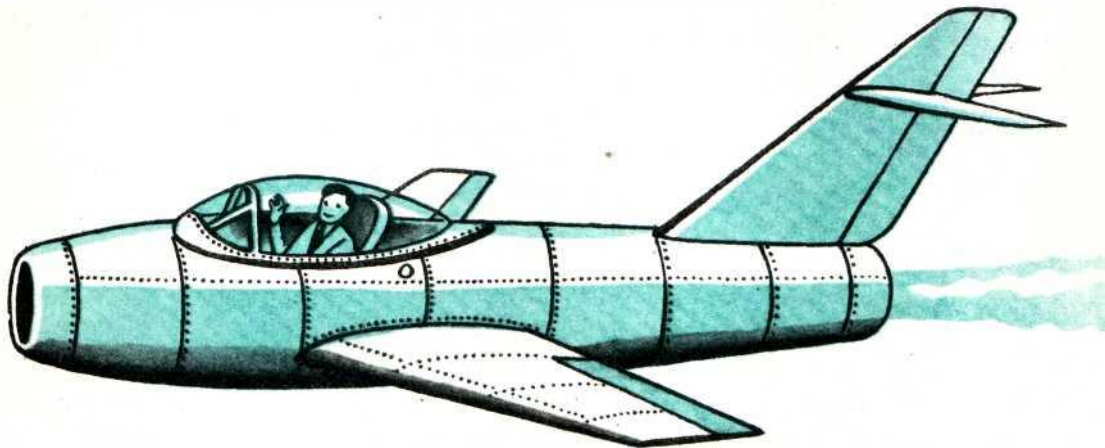
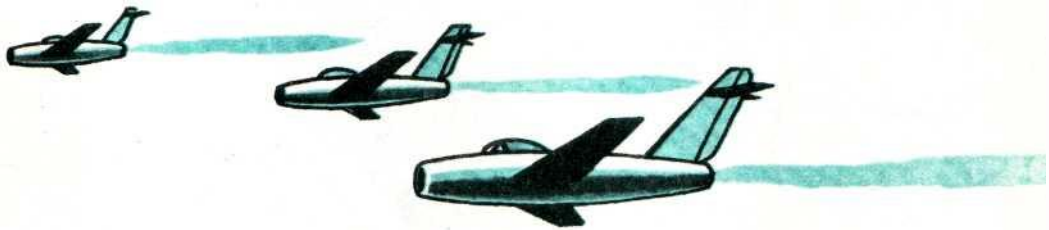




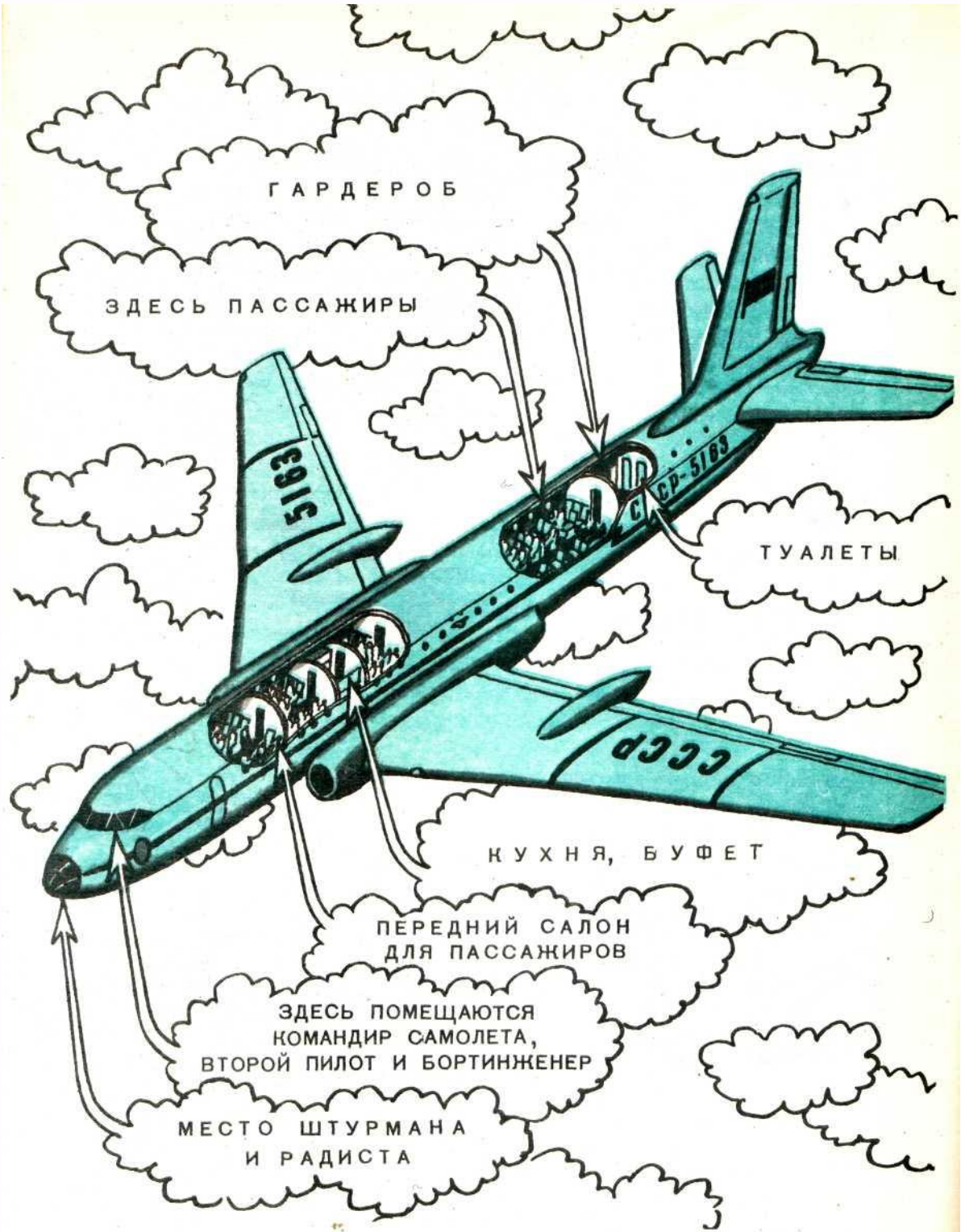


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ГАРДЕРОБ

ЗДЕСЬ ПАССАЖИРЫ

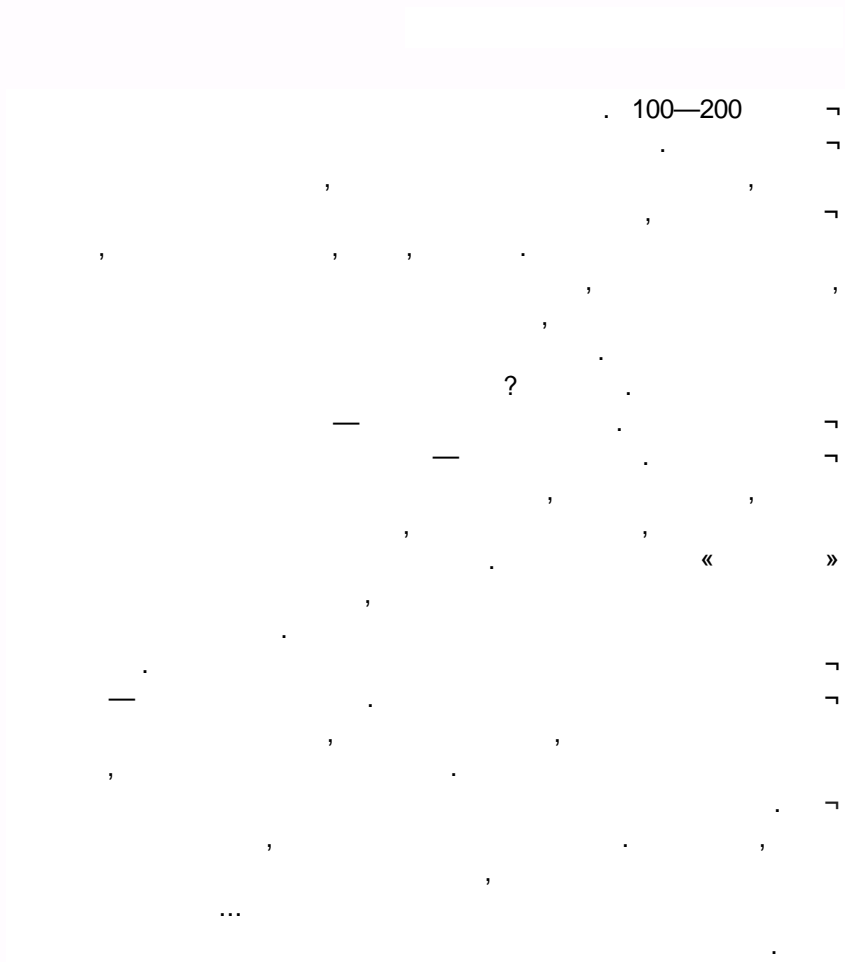
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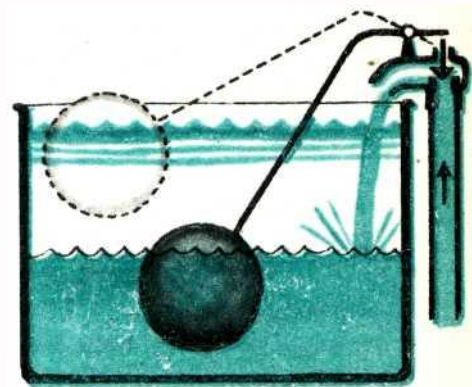
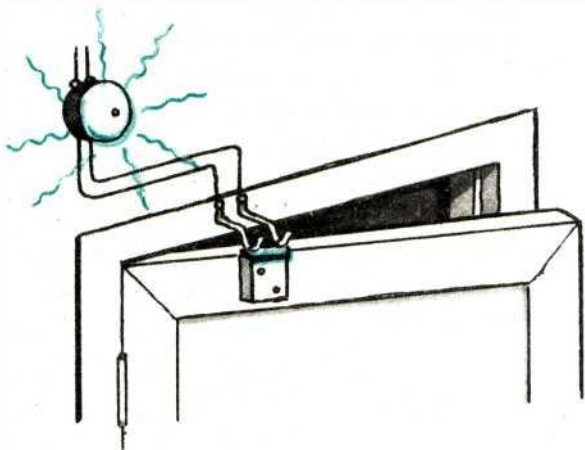
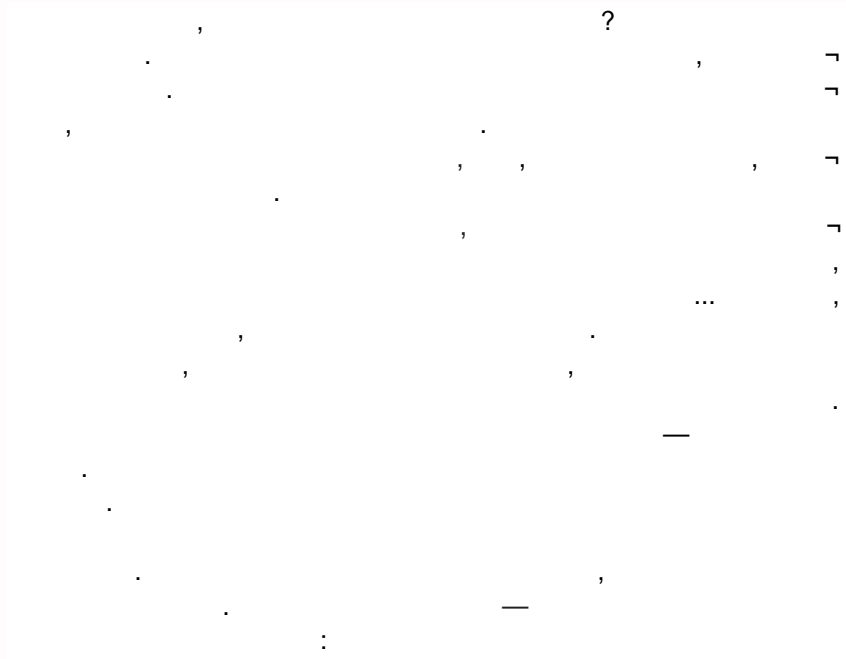
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ДЛЯ ПАССАЖИРОВ

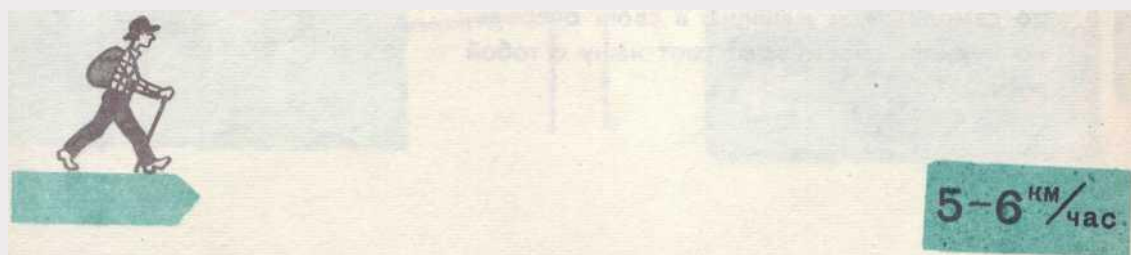
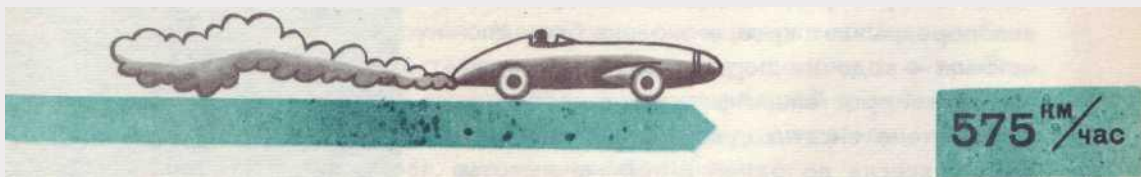
ЗДЕСЬ ПОМЕЩАЮТСЯ  
КОМАНДИР САМОЛЕТА,  
ВТОРОЙ ПИЛОТ И БОРТИНЖЕНЕР

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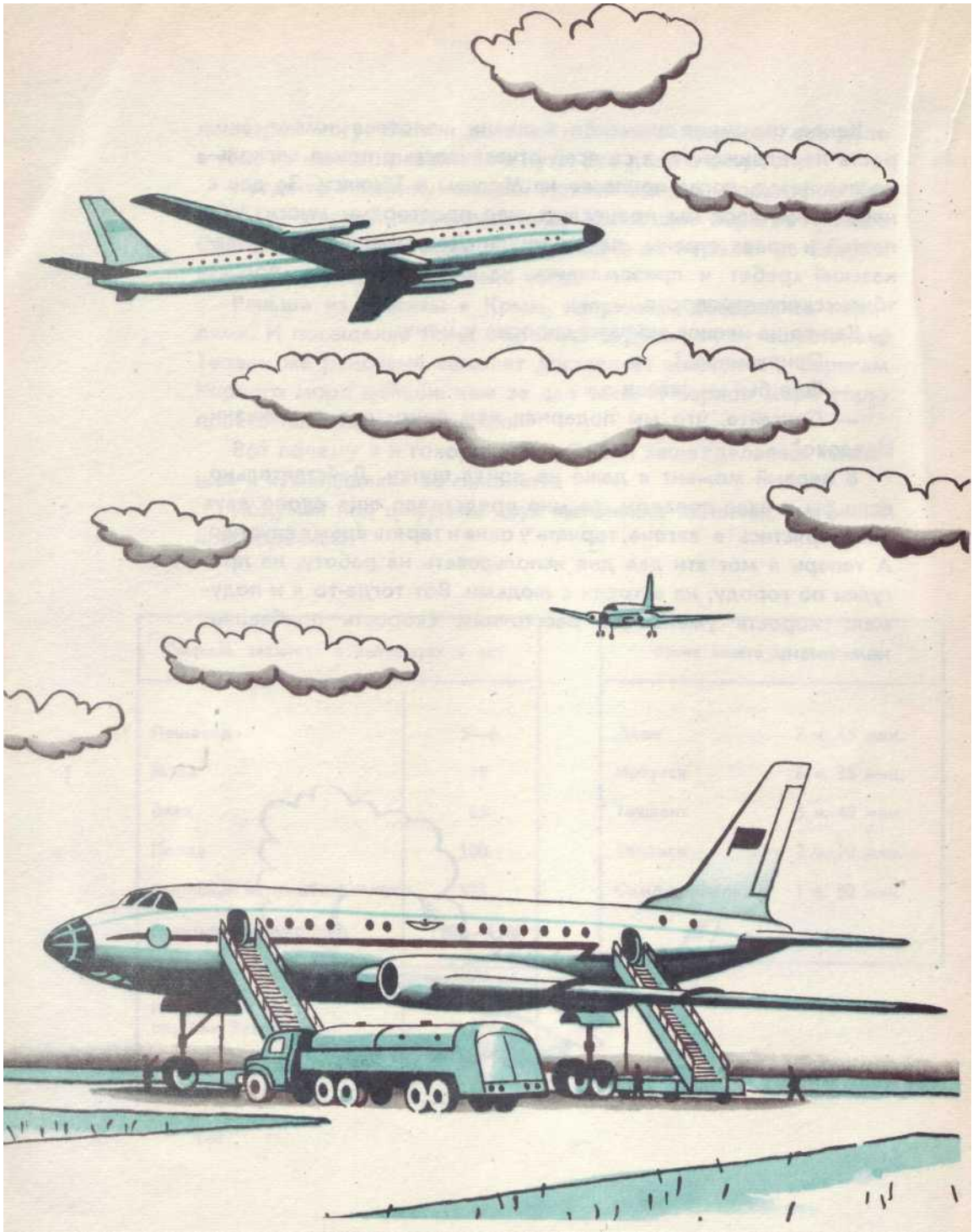


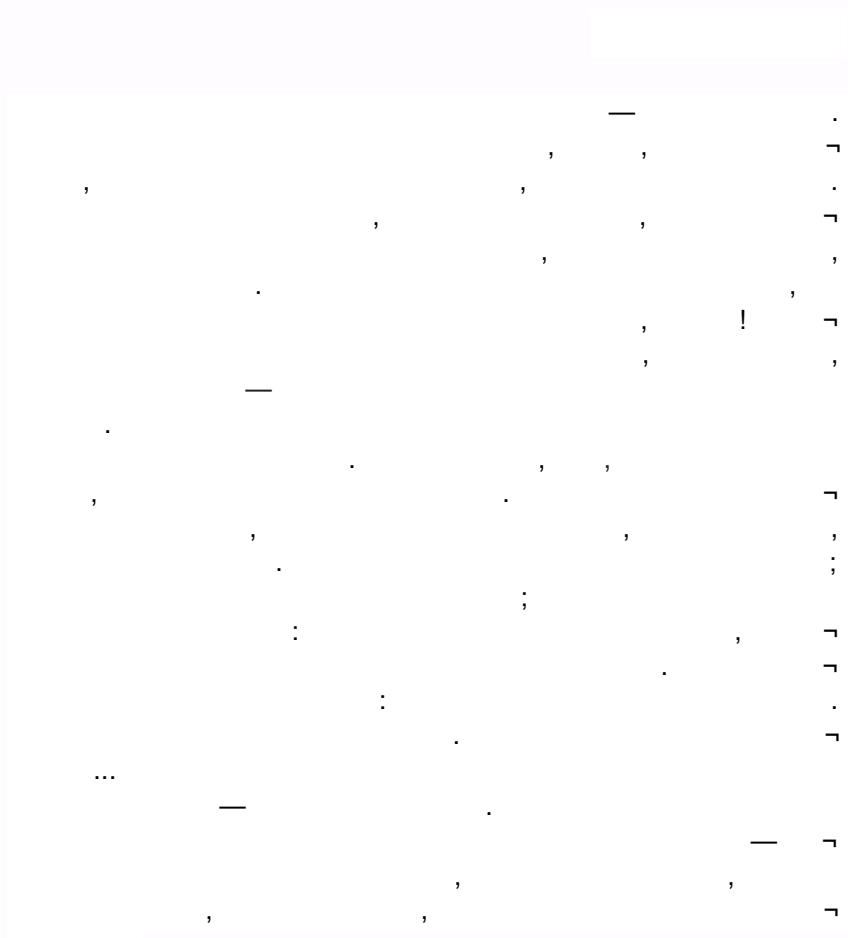


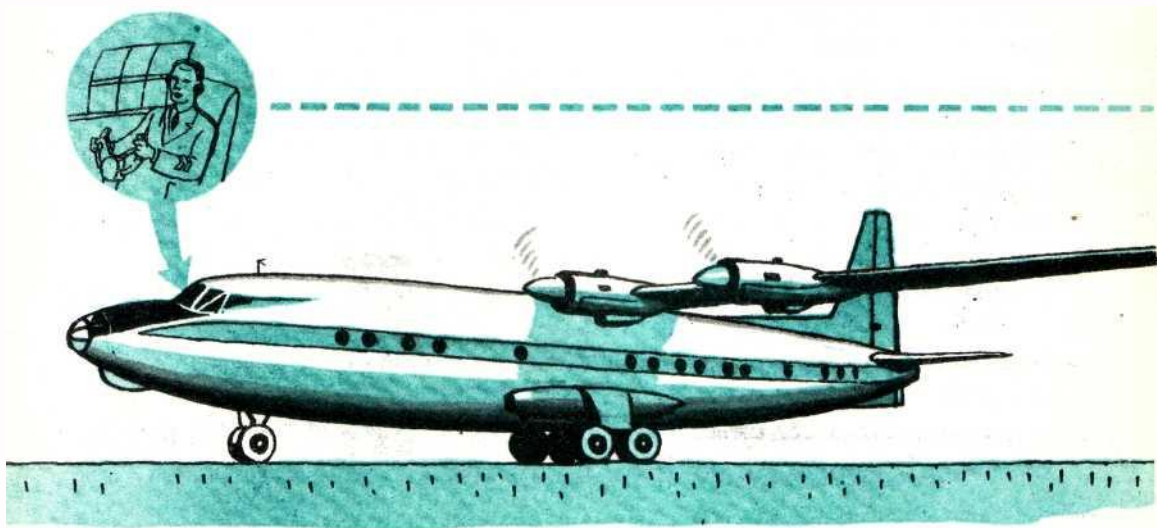
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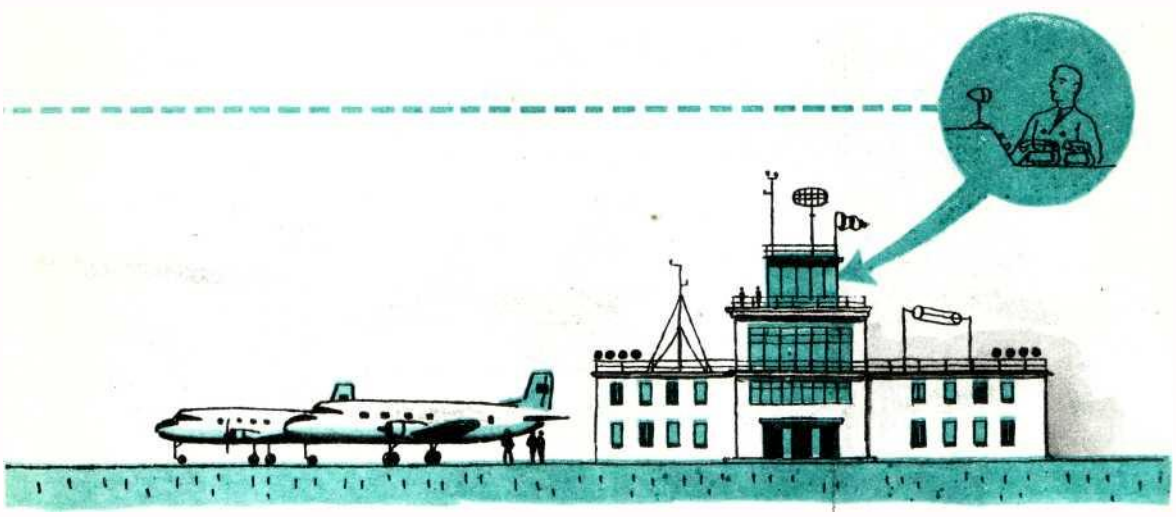








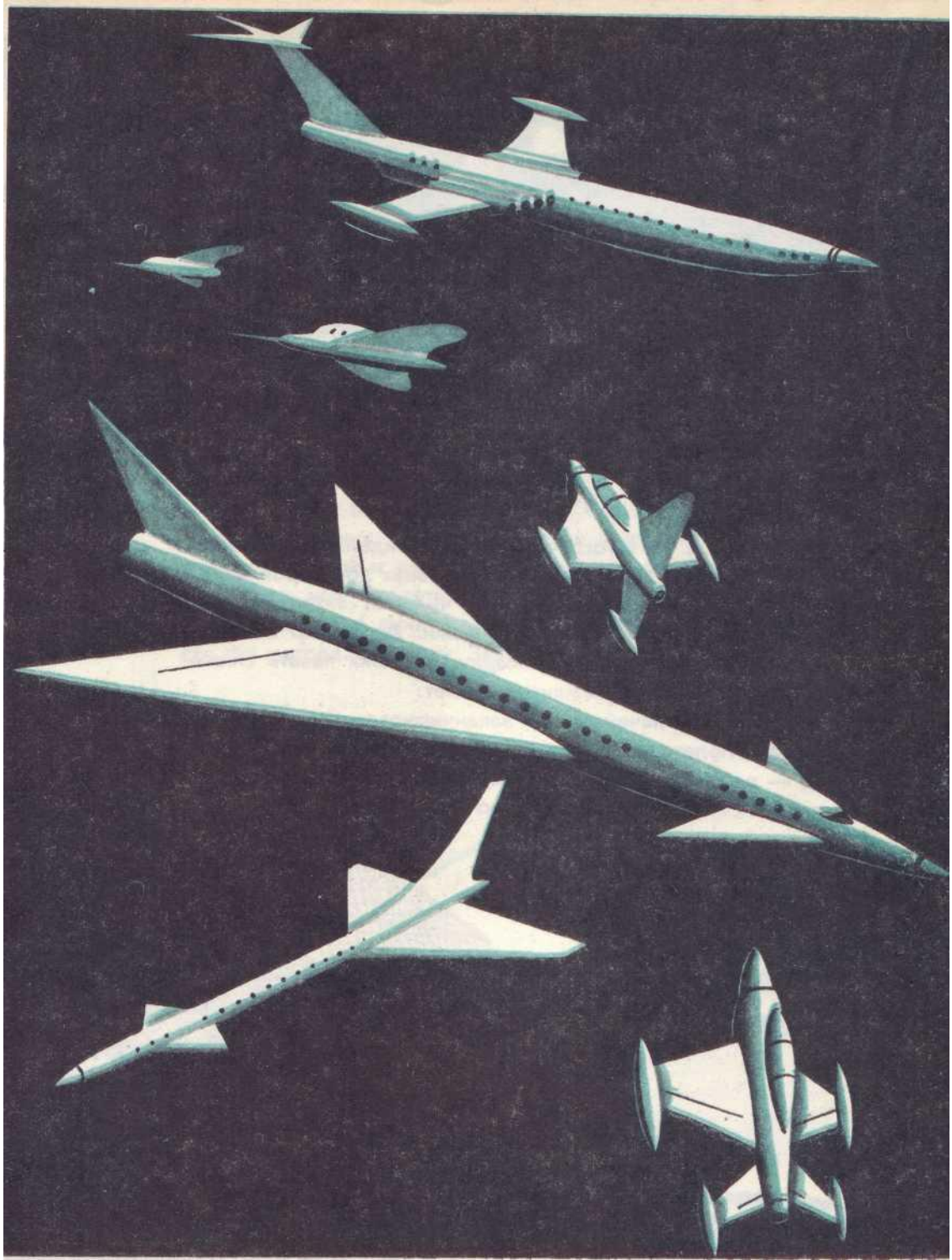
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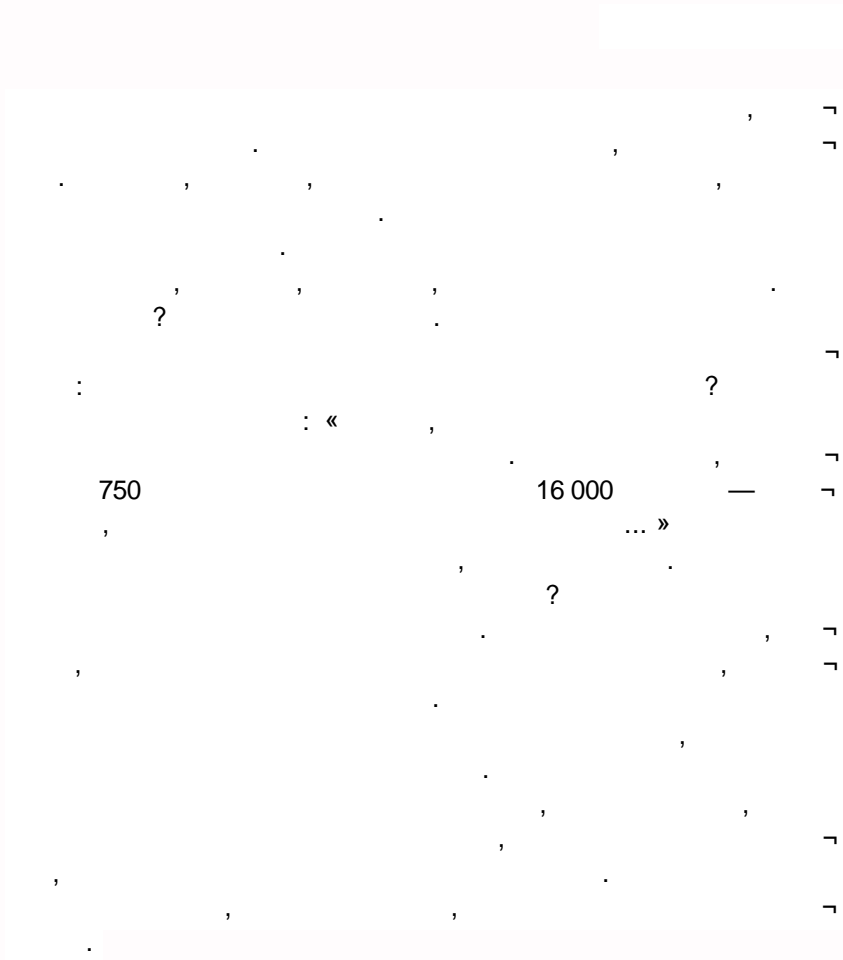




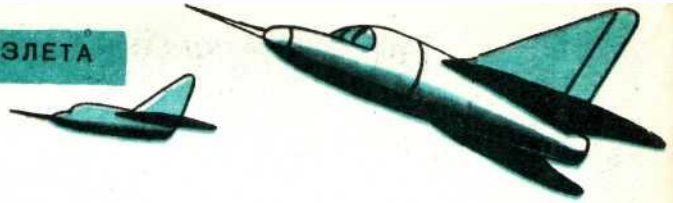




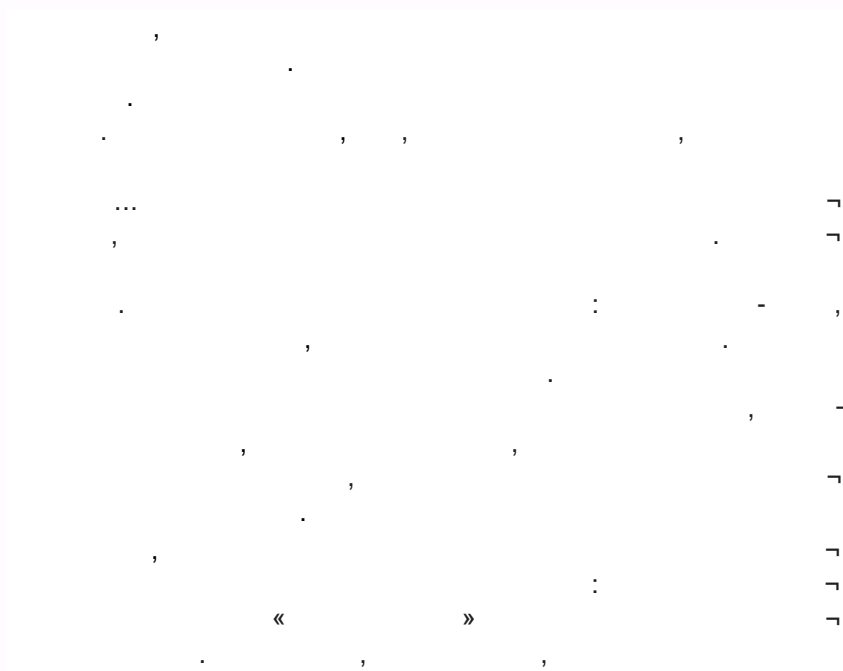




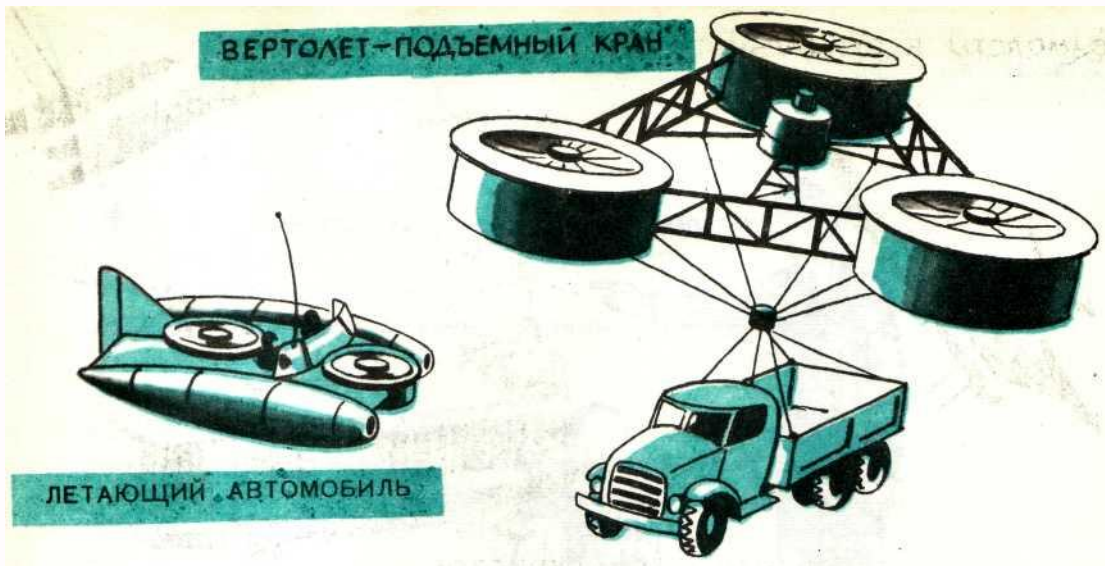
САМОЛЕТЫ ВЕРТИКАЛЬНОГО ВЗЛЕТА



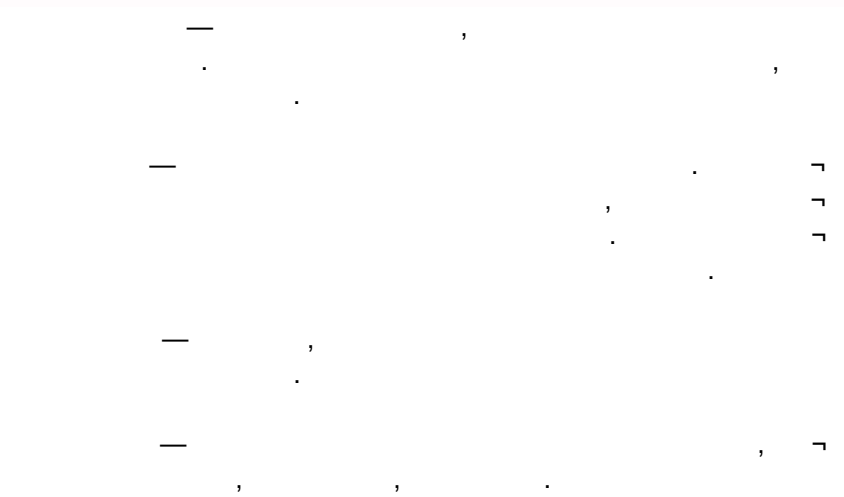
ВЕРТОЛЕТ ДЛЯ ТУРИСТОВ















« -14», « -104», « -62».

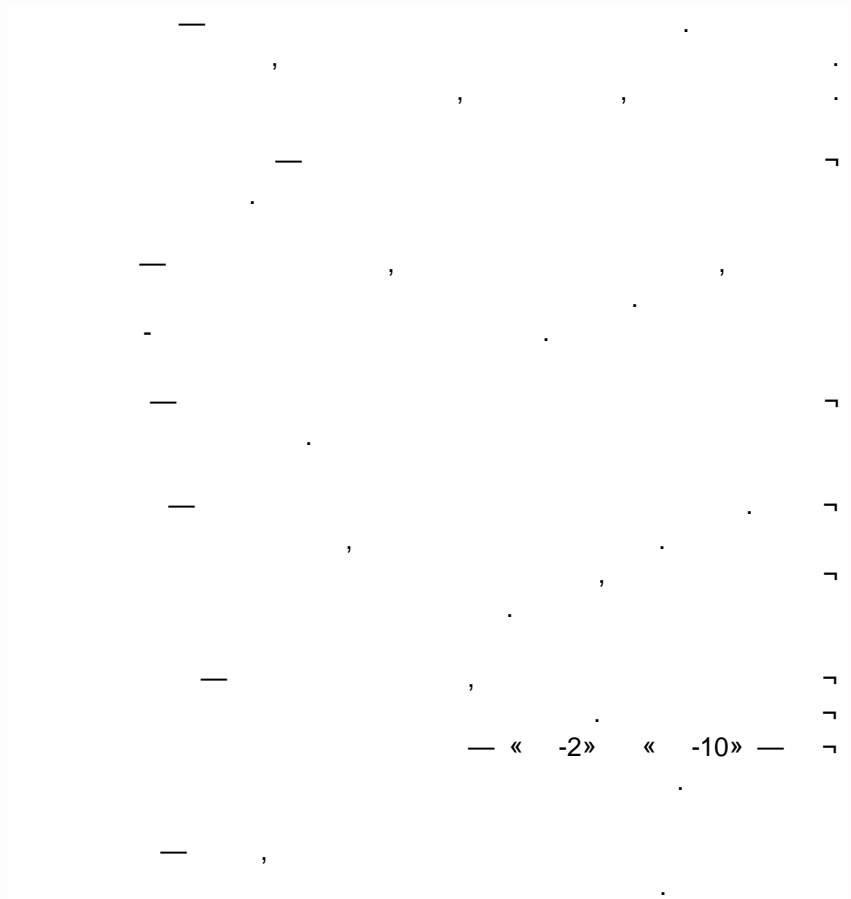
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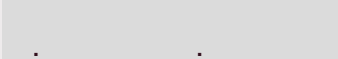




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| 6.  | .....               | 27         |
| 7.  | , , .....           | 31         |
| 8.  | + + = .....         | 37         |
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| 10. | , ? .....           | 45         |
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| 17. | — .....             | 79         |
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| 19. | ..... ? .....       | 93         |
| 20. | ..... ! .....       | 97         |
| 21. | « ? » — « — » ..... | 101        |
| 22. | .....               | 105        |
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| 24. | .....               | 115        |
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| 26. | « » .....           | 123        |
| 27. | .....               | 127        |
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| 32. | .....               | <b>149</b> |
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