

Neueste praktische

# Lehr-Methode der Weberei

zum Selbstunterricht  
auf  
**Hand- und Maschinenstühlen.**

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Bearbeitet und herausgegeben

von

**Ferdinand A. Langewald,**

Director in North-Oxford, Massachusetts, U. S.

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Entered according to Act of Congress in the year 1870. By Ferdinand A. Langewald.  
In the Clerk's Office of the District Court of the United States, for the District of Massachusetts.

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**Selbstverlag des Herausgebers.**

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In America zu beziehen durch  
**Ferd. Langewald in North-Oxford,** (Massachusetts, U. S.)

In Deutschland zu beziehen durch  
**Julius Langewald in Peitz.** (Kreis Cottbus.)

LATEST PRACTICAL METHOD

FOR THE

**Self-Acquirement of the Science of Weaving,**

WITH A GENERAL INTRODUCTION TO THE

**Manufacture of Woolen Cloth,**

—BY—

**F. LANGEWALD,**

Practical Weaver and Manufacturer

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Entered according to Act of Congress in the year 1871, by Ferdinand A. Langewald, in the Clerk's Office  
of the District Court of the United States, for the District of Massachusetts.

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TO BE PROCURED OF THE AUTHOR,

**FERDINAND A. LANGEWALD, North Oxford, Mass.**

## V o r w o r t.

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Die in vorliegendem Buche, auf dessen Ausarbeitung der Unterzeichnete Jahre langen Fleiss und anhaltende Ausdauer verwendet hat, angegebene Lehr-Methode der Weberei ist sowohl auf Wolle, Seide, Baumwolle, Leinen und Hanf gut anwendbar und wird nach der hierin gegebenen Anleitung sicherlich jeder Weber, wenn er nur einigermaßen die Grundzüge seines Berufes kennt, in den Stand gesetzt, sich durch Selbstunterricht zu einem geschickten Kunstweber, in den verschiedenen Arten der Weberei von 3—24schäftig, leicht auszubilden. Es wird ihm keine Schwierigkeiten bereiten, seine Disposition in 2 verschiedenen Zusammensetzungen zu treffen, nämlich 1) wie die Jacquardgewebe anzufertigen und 2) wie sie bei Schemmel- und Schaftmaschinen mit Hülfe der Differenz-Einzüge zu übersetzen sind. Hat er aber ein complicirteres Muster auszunehmen, so fahre er so lange damit fort, bis die einzelnen Maschen sich in derselben Reihenfolge wie zu Anfang wiederholen, und hat er beim Uebersetzen desselben Musters in weniger Schäfte darauf zu sehen, dass dieselben egal herauf und herunter gehen, wie z. B. Nr. 4 der 6schäftig übersetzten Muster zeigen wird, wo dies aber nicht der Fall, kann das Muster alsdann nur auf Jacquardstühlen gewebt werden.

Es ist wohl selbstverständlich, dass dieses Verfahren nicht bei jedem einzelnen Muster angegeben sein kann, weil dies den Umfang des vorliegenden Werkes bedeutend vermehrt und dadurch dessen allseitige Anschaffung erschwert hätte, und würde der Verfasser es dankbar anerkennen, wenn jeder Betheiligte zur weiteren Verbreitung desselben mit beitragen wollte, um so mehr, als er keine Kosten und Mühe gescheut hat, um etwas wirklich Brauchbares und Nützlichendes zu schaffen.

**Der Verfasser.**

## PREFACE.

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**A**FTER years of persevering industry the author has completed this work, applicable alike to Wool, Silk, Cotton, Linen, and Hemp, — a work, which will, as calculated from the beginning, enable any weaver at all acquainted with the fundamental principles of weaving, to acquire a scientific as well as thorough knowledge of the many different weavings that may be arranged with twenty-four or less Harnesses. He need have no difficulty in understanding this work, divided as it is into two parts. First, how to arrange Jacquard weave; second, how to reduce or re-arrange a Jacquard weave to make it applicable to chain or treadle Loom. Should he meet with a very complicated pattern, he must pick it out until he finds the repeat, and, in reducing such a pattern, simply follow the principle indicated in Pattern No. 4, six harness or No. 1, 2 ten harness, cross drawing-in Patterns. A pattern with which this cannot be done, must be woven on a Jacquard Loom. It is very evident that all patterns could not be thus treated upon, since such a course would have increased the work itself as well as the labor of preparing it, to an unlimited and unnecessary extent. For the security of the reader the author herewith guarantees for the correctness and reliability of every pattern and statement herein contained, misprints alone excepted.

F. A. LANGEWALD.



## Table to lay out Lots for Warps.

To ascertain how many ounces of Yarn (Troy Weight) it requires to give a certain Number of threads of different Sizes, and Weight pr. Yard.

For instance :

Two Run of Yarn, 1000 Threads weigh 5 oz., two and one half Run 2000 Threads weigh 8 ounces pr. Yard.

Holes of Twist: two Run Warp 22 Holes twist, 5 Run, 36 Holes.

Lastly, Statement of the Run required pr. 30 Yards. Instance: 1000 Threads, 18<sup>3</sup>/<sub>4</sub> Run Yarn.

No. of Holes Twist Worcester Jacks.	22	25	27	31	33	34	36	38	40	42	45	Stating the Run for 30 Yards.
No. of Threads for Warp.	Holes.	Holes.	Holes.	Holes.	Holes.	Holes.	Holes.	Holes.	Holes.	Holes.	Holes.	
	2	2 <sup>1</sup> / <sub>2</sub>	3	3 <sup>1</sup> / <sub>2</sub>	4	4 <sup>1</sup> / <sub>2</sub>	5	5 <sup>1</sup> / <sub>2</sub>	6	6 <sup>1</sup> / <sub>2</sub>	7	Run.
	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	Run.
1000 =	5	4	3 <sup>1</sup> / <sub>3</sub>	2 <sup>6</sup> / <sub>7</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>2</sup> / <sub>9</sub>	2	1 <sup>9</sup> / <sub>11</sub>	1 <sup>2</sup> / <sub>3</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>7</sub>	18 <sup>3</sup> / <sub>4</sub>
1050 =	5 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>5</sub>	3 <sup>1</sup> / <sub>2</sub>	3	2 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>3</sub>	2 <sup>1</sup> / <sub>10</sub>	1 <sup>10</sup> / <sub>11</sub>	1 <sup>3</sup> / <sub>4</sub>	1 <sup>8</sup> / <sub>13</sub>	1 <sup>1</sup> / <sub>2</sub>	19 <sup>11</sup> / <sub>16</sub>
1100 =	5 <sup>1</sup> / <sub>2</sub>	4 <sup>2</sup> / <sub>5</sub>	3 <sup>2</sup> / <sub>3</sub>	3 <sup>1</sup> / <sub>7</sub>	2 <sup>3</sup> / <sub>4</sub>	2 <sup>4</sup> / <sub>9</sub>	2 <sup>1</sup> / <sub>5</sub>	2	1 <sup>5</sup> / <sub>6</sub>	1 <sup>9</sup> / <sub>13</sub>	1 <sup>4</sup> / <sub>7</sub>	20 <sup>5</sup> / <sub>8</sub>
1150 =	5 <sup>3</sup> / <sub>4</sub>	4 <sup>3</sup> / <sub>5</sub>	3 <sup>5</sup> / <sub>6</sub>	3 <sup>2</sup> / <sub>7</sub>	2 <sup>7</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>9</sub>	2 <sup>3</sup> / <sub>10</sub>	2 <sup>1</sup> / <sub>11</sub>	1 <sup>11</sup> / <sub>12</sub>	1 <sup>10</sup> / <sub>13</sub>	1 <sup>9</sup> / <sub>14</sub>	21 <sup>9</sup> / <sub>16</sub>
1200 =	6	4 <sup>4</sup> / <sub>5</sub>	4	3 <sup>3</sup> / <sub>7</sub>	3	2 <sup>2</sup> / <sub>3</sub>	2 <sup>2</sup> / <sub>5</sub>	2 <sup>2</sup> / <sub>11</sub>	2	1 <sup>11</sup> / <sub>13</sub>	1 <sup>5</sup> / <sub>7</sub>	22 <sup>1</sup> / <sub>2</sub>
1250 =	6 <sup>1</sup> / <sub>4</sub>	5	4 <sup>1</sup> / <sub>6</sub>	3 <sup>4</sup> / <sub>7</sub>	3 <sup>1</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>9</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>11</sub>	2 <sup>1</sup> / <sub>12</sub>	1 <sup>12</sup> / <sub>13</sub>	1 <sup>11</sup> / <sub>14</sub>	23 <sup>7</sup> / <sub>16</sub>
1300 =	6 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>5</sub>	4 <sup>1</sup> / <sub>3</sub>	3 <sup>5</sup> / <sub>7</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>8</sup> / <sub>9</sub>	2 <sup>3</sup> / <sub>5</sub>	2 <sup>4</sup> / <sub>11</sub>	2 <sup>1</sup> / <sub>6</sub>	2	1 <sup>6</sup> / <sub>7</sub>	24 <sup>3</sup> / <sub>8</sub>
1350 =	6 <sup>3</sup> / <sub>4</sub>	5 <sup>2</sup> / <sub>5</sub>	4 <sup>1</sup> / <sub>2</sub>	3 <sup>6</sup> / <sub>7</sub>	3 <sup>3</sup> / <sub>8</sub>	3	2 <sup>7</sup> / <sub>10</sub>	2 <sup>5</sup> / <sub>11</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>13</sub>	1 <sup>13</sup> / <sub>14</sub>	25 <sup>3</sup> / <sub>16</sub>
1400 =	7	5 <sup>3</sup> / <sub>5</sub>	4 <sup>2</sup> / <sub>3</sub>	4	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>9</sub>	2 <sup>4</sup> / <sub>5</sub>	2 <sup>6</sup> / <sub>11</sub>	2 <sup>1</sup> / <sub>3</sub>	2 <sup>2</sup> / <sub>13</sub>	2	26 <sup>1</sup> / <sub>4</sub>
1450 =	7 <sup>1</sup> / <sub>4</sub>	5 <sup>4</sup> / <sub>5</sub>	4 <sup>5</sup> / <sub>6</sub>	4 <sup>1</sup> / <sub>7</sub>	3 <sup>5</sup> / <sub>8</sub>	3 <sup>2</sup> / <sub>9</sub>	2 <sup>9</sup> / <sub>10</sub>	2 <sup>7</sup> / <sub>11</sub>	2 <sup>5</sup> / <sub>12</sub>	2 <sup>3</sup> / <sub>13</sub>	2 <sup>1</sup> / <sub>4</sub>	27 <sup>3</sup> / <sub>16</sub>
1500 =	7 <sup>1</sup> / <sub>2</sub>	6	5	4 <sup>2</sup> / <sub>7</sub>	3 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>3</sub>	3	2 <sup>8</sup> / <sub>11</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>4</sup> / <sub>13</sub>	2 <sup>1</sup> / <sub>7</sub>	28 <sup>1</sup> / <sub>8</sub>
1550 =	7 <sup>3</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>5</sub>	5 <sup>1</sup> / <sub>6</sub>	4 <sup>3</sup> / <sub>7</sub>	3 <sup>7</sup> / <sub>8</sub>	3 <sup>4</sup> / <sub>9</sub>	3 <sup>1</sup> / <sub>10</sub>	2 <sup>9</sup> / <sub>11</sub>	2 <sup>7</sup> / <sub>12</sub>	2 <sup>5</sup> / <sub>13</sub>	2 <sup>3</sup> / <sub>14</sub>	29 <sup>1</sup> / <sub>16</sub>
1600 =	8	6 <sup>2</sup> / <sub>5</sub>	5 <sup>1</sup> / <sub>3</sub>	4 <sup>4</sup> / <sub>7</sub>	4	3 <sup>5</sup> / <sub>9</sub>	3 <sup>1</sup> / <sub>5</sub>	2 <sup>10</sup> / <sub>11</sub>	2 <sup>2</sup> / <sub>3</sub>	2 <sup>6</sup> / <sub>13</sub>	2 <sup>2</sup> / <sub>7</sub>	30
1650 =	8 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>5</sub>	5 <sup>1</sup> / <sub>2</sub>	4 <sup>5</sup> / <sub>7</sub>	4 <sup>1</sup> / <sub>8</sub>	3 <sup>2</sup> / <sub>3</sub>	3 <sup>3</sup> / <sub>10</sub>	3	2 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>14</sub>	30 <sup>15</sup> / <sub>16</sub>
1700 =	8 <sup>1</sup> / <sub>2</sub>	6 <sup>4</sup> / <sub>5</sub>	5 <sup>2</sup> / <sub>3</sub>	4 <sup>6</sup> / <sub>7</sub>	4 <sup>1</sup> / <sub>4</sub>	3 <sup>7</sup> / <sub>9</sub>	3 <sup>2</sup> / <sub>5</sub>	3 <sup>1</sup> / <sub>11</sub>	2 <sup>5</sup> / <sub>6</sub>	2 <sup>8</sup> / <sub>13</sub>	2 <sup>3</sup> / <sub>7</sub>	31 <sup>7</sup> / <sub>8</sub>
1750 =	8 <sup>3</sup> / <sub>4</sub>	7	5 <sup>5</sup> / <sub>6</sub>	5	4 <sup>3</sup> / <sub>8</sub>	3 <sup>8</sup> / <sub>9</sub>	3 <sup>1</sup> / <sub>2</sub>	3 <sup>2</sup> / <sub>11</sub>	2 <sup>11</sup> / <sub>12</sub>	2 <sup>9</sup> / <sub>13</sub>	2 <sup>7</sup> / <sub>14</sub>	32 <sup>13</sup> / <sub>16</sub>
1800 =	9	7 <sup>1</sup> / <sub>5</sub>	6	5 <sup>1</sup> / <sub>7</sub>	4 <sup>1</sup> / <sub>2</sub>	4	3 <sup>3</sup> / <sub>5</sub>	3 <sup>3</sup> / <sub>11</sub>	3	2 <sup>10</sup> / <sub>13</sub>	2 <sup>4</sup> / <sub>7</sub>	33 <sup>3</sup> / <sub>4</sub>
1850 =	9 <sup>1</sup> / <sub>4</sub>	7 <sup>2</sup> / <sub>5</sub>	6 <sup>1</sup> / <sub>6</sub>	5 <sup>2</sup> / <sub>7</sub>	4 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>9</sub>	3 <sup>7</sup> / <sub>10</sub>	3 <sup>4</sup> / <sub>11</sub>	3 <sup>1</sup> / <sub>12</sub>	2 <sup>11</sup> / <sub>13</sub>	2 <sup>9</sup> / <sub>14</sub>	34 <sup>11</sup> / <sub>16</sub>
1900 =	9 <sup>1</sup> / <sub>2</sub>	7 <sup>3</sup> / <sub>5</sub>	6 <sup>1</sup> / <sub>3</sub>	5 <sup>3</sup> / <sub>7</sub>	4 <sup>3</sup> / <sub>4</sub>	4 <sup>2</sup> / <sub>9</sub>	3 <sup>4</sup> / <sub>5</sub>	3 <sup>5</sup> / <sub>11</sub>	3 <sup>1</sup> / <sub>6</sub>	2 <sup>12</sup> / <sub>13</sub>	2 <sup>5</sup> / <sub>7</sub>	35 <sup>5</sup> / <sub>8</sub>
1950 =	9 <sup>3</sup> / <sub>4</sub>	7 <sup>4</sup> / <sub>5</sub>	6 <sup>1</sup> / <sub>2</sub>	5 <sup>4</sup> / <sub>7</sub>	4 <sup>7</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>3</sub>	3 <sup>9</sup> / <sub>10</sub>	3 <sup>6</sup> / <sub>11</sub>	3 <sup>1</sup> / <sub>4</sub>	3	2 <sup>11</sup> / <sub>14</sub>	36 <sup>9</sup> / <sub>16</sub>
2000 =	10	8	6 <sup>2</sup> / <sub>3</sub>	5 <sup>5</sup> / <sub>7</sub>	5	4 <sup>4</sup> / <sub>9</sub>	4	3 <sup>7</sup> / <sub>11</sub>	3 <sup>1</sup> / <sub>3</sub>	3 <sup>1</sup> / <sub>13</sub>	2 <sup>6</sup> / <sub>7</sub>	37 <sup>1</sup> / <sub>2</sub>
2100 =	10 <sup>1</sup> / <sub>2</sub>	8 <sup>2</sup> / <sub>5</sub>	7	6	5 <sup>1</sup> / <sub>4</sub>	4 <sup>2</sup> / <sub>3</sub>	4 <sup>1</sup> / <sub>5</sub>	3 <sup>9</sup> / <sub>11</sub>	3 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>13</sub>	3	39 <sup>3</sup> / <sub>8</sub>
2200 =	11	8 <sup>4</sup> / <sub>5</sub>	7 <sup>1</sup> / <sub>3</sub>	6 <sup>2</sup> / <sub>7</sub>	5 <sup>1</sup> / <sub>2</sub>	4 <sup>8</sup> / <sub>9</sub>	4 <sup>2</sup> / <sub>5</sub>	4	3 <sup>2</sup> / <sub>3</sub>	3 <sup>5</sup> / <sub>13</sub>	3 <sup>1</sup> / <sub>7</sub>	41 <sup>1</sup> / <sub>4</sub>
2300 =	11 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>5</sub>	7 <sup>2</sup> / <sub>3</sub>	6 <sup>4</sup> / <sub>7</sub>	5 <sup>3</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>9</sub>	4 <sup>3</sup> / <sub>5</sub>	4 <sup>2</sup> / <sub>11</sub>	3 <sup>5</sup> / <sub>6</sub>	3 <sup>7</sup> / <sub>13</sub>	3 <sup>2</sup> / <sub>7</sub>	43 <sup>1</sup> / <sub>8</sub>
2400 =	12	9 <sup>3</sup> / <sub>5</sub>	8	6 <sup>6</sup> / <sub>7</sub>	6	5 <sup>1</sup> / <sub>3</sub>	4 <sup>4</sup> / <sub>5</sub>	4 <sup>4</sup> / <sub>11</sub>	4	3 <sup>9</sup> / <sub>13</sub>	3 <sup>3</sup> / <sub>7</sub>	45
2500 =	12 <sup>1</sup> / <sub>2</sub>	10	8 <sup>1</sup> / <sub>3</sub>	7 <sup>1</sup> / <sub>7</sub>	6 <sup>1</sup> / <sub>4</sub>	5 <sup>5</sup> / <sub>9</sub>	5	4 <sup>6</sup> / <sub>11</sub>	4 <sup>1</sup> / <sub>6</sub>	3 <sup>11</sup> / <sub>13</sub>	3 <sup>4</sup> / <sub>7</sub>	46 <sup>7</sup> / <sub>8</sub>
2600 =	13	10 <sup>2</sup> / <sub>5</sub>	8 <sup>2</sup> / <sub>3</sub>	7 <sup>3</sup> / <sub>7</sub>	6 <sup>1</sup> / <sub>2</sub>	5 <sup>7</sup> / <sub>9</sub>	5 <sup>1</sup> / <sub>5</sub>	4 <sup>8</sup> / <sub>11</sub>	4 <sup>1</sup> / <sub>3</sub>	4	3 <sup>5</sup> / <sub>7</sub>	48 <sup>3</sup> / <sub>4</sub>
2700 =	13 <sup>1</sup> / <sub>2</sub>	10 <sup>4</sup> / <sub>5</sub>	9	7 <sup>5</sup> / <sub>7</sub>	6 <sup>3</sup> / <sub>4</sub>	6	5 <sup>2</sup> / <sub>5</sub>	4 <sup>10</sup> / <sub>11</sub>	4 <sup>1</sup> / <sub>2</sub>	4 <sup>2</sup> / <sub>13</sub>	3 <sup>6</sup> / <sub>7</sub>	50 <sup>9</sup> / <sub>8</sub>
2800 =	14	11 <sup>1</sup> / <sub>5</sub>	9 <sup>1</sup> / <sub>3</sub>	8	7	6 <sup>2</sup> / <sub>9</sub>	5 <sup>3</sup> / <sub>5</sub>	5 <sup>1</sup> / <sub>11</sub>	4 <sup>2</sup> / <sub>3</sub>	4 <sup>4</sup> / <sub>13</sub>	4	52 <sup>1</sup> / <sub>2</sub>
2900 =	14 <sup>1</sup> / <sub>2</sub>	11 <sup>3</sup> / <sub>5</sub>	9 <sup>2</sup> / <sub>3</sub>	8 <sup>2</sup> / <sub>7</sub>	7 <sup>1</sup> / <sub>4</sub>	6 <sup>4</sup> / <sub>9</sub>	5 <sup>4</sup> / <sub>5</sub>	5 <sup>3</sup> / <sub>11</sub>	4 <sup>5</sup> / <sub>6</sub>	4 <sup>6</sup> / <sub>13</sub>	4 <sup>1</sup> / <sub>7</sub>	54 <sup>3</sup> / <sub>8</sub>
3000 =	15	12	10	8 <sup>4</sup> / <sub>7</sub>	7 <sup>1</sup> / <sub>3</sub>	6 <sup>2</sup> / <sub>3</sub>	6	5 <sup>5</sup> / <sub>11</sub>	5	4 <sup>8</sup> / <sub>13</sub>	4 <sup>2</sup> / <sub>7</sub>	56 <sup>1</sup> / <sub>4</sub>
3100 =	15 <sup>1</sup> / <sub>2</sub>	12 <sup>2</sup> / <sub>5</sub>	10 <sup>1</sup> / <sub>3</sub>	8 <sup>6</sup> / <sub>7</sub>	7 <sup>3</sup> / <sub>4</sub>	6 <sup>8</sup> / <sub>9</sub>	6 <sup>1</sup> / <sub>5</sub>	5 <sup>7</sup> / <sub>11</sub>	5 <sup>1</sup> / <sub>6</sub>	4 <sup>10</sup> / <sub>13</sub>	4 <sup>3</sup> / <sub>7</sub>	58 <sup>1</sup> / <sub>8</sub>
3200 =	16	12 <sup>4</sup> / <sub>5</sub>	10 <sup>2</sup> / <sub>3</sub>	9 <sup>1</sup> / <sub>7</sub>	8	7 <sup>1</sup> / <sub>9</sub>	6 <sup>2</sup> / <sub>5</sub>	5 <sup>9</sup> / <sub>11</sub>	5 <sup>1</sup> / <sub>3</sub>	4 <sup>12</sup> / <sub>13</sub>	4 <sup>4</sup> / <sub>7</sub>	60
3300 =	16 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>5</sub>	11	9 <sup>3</sup> / <sub>7</sub>	8 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>3</sub>	6 <sup>3</sup> / <sub>5</sub>	6	5 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>13</sub>	4 <sup>5</sup> / <sub>7</sub>	61 <sup>7</sup> / <sub>8</sub>
3400 =	17	13 <sup>3</sup> / <sub>5</sub>	11 <sup>1</sup> / <sub>3</sub>	9 <sup>5</sup> / <sub>7</sub>	8 <sup>1</sup> / <sub>2</sub>	7 <sup>5</sup> / <sub>9</sub>	6 <sup>4</sup> / <sub>5</sub>	6 <sup>2</sup> / <sub>11</sub>	5 <sup>2</sup> / <sub>3</sub>	5 <sup>3</sup> / <sub>13</sub>	4 <sup>6</sup> / <sub>7</sub>	63 <sup>3</sup> / <sub>4</sub>
3500 =	17 <sup>1</sup> / <sub>2</sub>	14	11 <sup>2</sup> / <sub>3</sub>	10	8 <sup>3</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>9</sub>	7	6 <sup>4</sup> / <sub>11</sub>	5 <sup>3</sup> / <sub>6</sub>	5 <sup>5</sup> / <sub>13</sub>	5	65 <sup>5</sup> / <sub>8</sub>
3600 =	18	14 <sup>2</sup> / <sub>5</sub>	12	10 <sup>2</sup> / <sub>7</sub>	9	8	7 <sup>1</sup> / <sub>5</sub>	6 <sup>6</sup> / <sub>11</sub>	6	5 <sup>7</sup> / <sub>13</sub>	5 <sup>1</sup> / <sub>7</sub>	67 <sup>1</sup> / <sub>2</sub>
3700 =	18 <sup>1</sup> / <sub>2</sub>	14 <sup>4</sup> / <sub>5</sub>	12 <sup>1</sup> / <sub>3</sub>	10 <sup>4</sup> / <sub>7</sub>	9 <sup>1</sup> / <sub>4</sub>	8 <sup>2</sup> / <sub>9</sub>	7 <sup>2</sup> / <sub>5</sub>	6 <sup>8</sup> / <sub>11</sub>	6 <sup>1</sup> / <sub>6</sub>	5 <sup>9</sup> / <sub>13</sub>	5 <sup>2</sup> / <sub>7</sub>	69 <sup>3</sup> / <sub>8</sub>
3800 =	19	15 <sup>1</sup> / <sub>5</sub>	12 <sup>2</sup> / <sub>3</sub>	10 <sup>6</sup> / <sub>7</sub>	9 <sup>1</sup> / <sub>2</sub>	8 <sup>4</sup> / <sub>9</sub>	7 <sup>3</sup> / <sub>5</sub>	6 <sup>10</sup> / <sub>11</sub>	6 <sup>1</sup> / <sub>3</sub>	5 <sup>11</sup> / <sub>13</sub>	5 <sup>3</sup> / <sub>7</sub>	71 <sup>1</sup> / <sub>4</sub>
3900 =	19 <sup>1</sup> / <sub>2</sub>	15 <sup>3</sup> / <sub>5</sub>	13	11 <sup>1</sup> / <sub>7</sub>	9 <sup>3</sup> / <sub>4</sub>	8 <sup>2</sup> / <sub>3</sub>	7 <sup>4</sup> / <sub>5</sub>	7 <sup>1</sup> / <sub>11</sub>	6 <sup>1</sup> / <sub>2</sub>	6	5 <sup>4</sup> / <sub>7</sub>	73 <sup>1</sup> / <sub>8</sub>
4000 =	20	16	13 <sup>1</sup> / <sub>3</sub>	11 <sup>3</sup> / <sub>7</sub>	10	8 <sup>8</sup> / <sub>9</sub>	8	7 <sup>3</sup> / <sub>11</sub>	6 <sup>2</sup> / <sub>3</sub>	6 <sup>2</sup> / <sub>13</sub>	5 <sup>5</sup> / <sub>7</sub>	75
4200 =	21	16 <sup>1</sup> / <sub>5</sub>	14	12	10 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>3</sub>	8 <sup>2</sup> / <sub>5</sub>	7 <sup>7</sup> / <sub>11</sub>	7	6 <sup>6</sup> / <sub>13</sub>	6	78 <sup>3</sup> / <sub>4</sub>
4400 =	22	17 <sup>3</sup> / <sub>5</sub>	14 <sup>2</sup> / <sub>3</sub>	12 <sup>4</sup> / <sub>7</sub>	11	9 <sup>7</sup> / <sub>9</sub>	8 <sup>4</sup> / <sub>5</sub>	8	7 <sup>1</sup> / <sub>3</sub>	6 <sup>10</sup> / <sub>13</sub>	6 <sup>2</sup> / <sub>7</sub>	82 <sup>1</sup> / <sub>2</sub>
4600 =	23	18 <sup>2</sup> / <sub>5</sub>	15 <sup>1</sup> / <sub>3</sub>	13 <sup>1</sup> / <sub>7</sub>	11 <sup>1</sup> / <sub>2</sub>	10 <sup>2</sup> / <sub>9</sub>	9 <sup>1</sup> / <sub>5</sub>	8 <sup>4</sup> / <sub>11</sub>	7 <sup>2</sup> / <sub>3</sub>	7 <sup>1</sup> / <sub>13</sub>	6 <sup>4</sup> / <sub>7</sub>	86 <sup>1</sup> / <sub>4</sub>
4800 =	24	19 <sup>1</sup> / <sub>5</sub>	16	13 <sup>5</sup> / <sub>7</sub>	12	10 <sup>2</sup> / <sub>3</sub>	9 <sup>3</sup> / <sub>5</sub>	8 <sup>8</sup> / <sub>11</sub>	8	7 <sup>5</sup> / <sub>13</sub>	6 <sup>6</sup> / <sub>7</sub>	90
5000 =	25	20	16 <sup>2</sup> / <sub>3</sub>	14 <sup>2</sup> / <sub>7</sub>	12 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>9</sub>	10	9 <sup>1</sup> / <sub>11</sub>	8 <sup>1</sup> / <sub>3</sub>	7 <sup>9</sup> / <sub>13</sub>	7 <sup>1</sup> / <sub>7</sub>	93 <sup>3</sup> / <sub>4</sub>
5200 =	26	20 <sup>4</sup> / <sub>5</sub>	17 <sup>1</sup> / <sub>3</sub>	14 <sup>6</sup> / <sub>7</sub>	13	11 <sup>5</sup> / <sub>9</sub>	10 <sup>2</sup> / <sub>5</sub>	9 <sup>5</sup> / <sub>11</sub>	8 <sup>2</sup> / <sub>3</sub>	8	7 <sup>3</sup> / <sub>7</sub>	97 <sup>1</sup> / <sub>2</sub>

## Table to lay out Lots for Filling.

To ascertain how many ounces of Filling it will require, for a certain Number of Picks, in different width, of different Sizes Yarn.

**For Instance:**

55 Inch Width, 20 Picks, 2 Run Yarn, will require  $5\frac{1}{2}$  ounces and 68 Inches, 25 Picks, 5 Run will require  $3\frac{2}{5}$  oz. pr. Yard.

Holes of Twist for Filling: two Run, 14 Holes Twist, 4 Run, 19 Holes.

Statement of the Run, required pr. 30 Yard. For Instance:

55 Inch Width, 20 Picks, require  $20\frac{5}{8}$  Run of Filling. For 72 Inches, 30 Picks,  $40\frac{1}{2}$  Run.

No. of Holes Twist on Worcester Jacks.		14 Holes.	15 Holes.	17 Holes.	18 Holes.	19 Holes.	20 Holes.	21 Holes.	22 Holes.	23 Holes.	24 Holes.	25 Holes.	Stating the Run for 30 Yds. Run.	
No. of Inches Width in Reed.	No. of Picks	2 Run.	2 $\frac{1}{2}$ Run.	3 Run.	3 $\frac{1}{2}$ Run.	4 Run.	4 $\frac{1}{2}$ Run.	5 Run.	5 $\frac{1}{2}$ Run.	6 Run.	6 $\frac{1}{2}$ Run.	7 Run.		
		oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.		
55	=	20	$5\frac{1}{2}$	$4\frac{2}{5}$	$3\frac{2}{3}$	$3\frac{1}{7}$	$2\frac{3}{4}$	$2\frac{4}{9}$	$2\frac{1}{5}$	2	$1\frac{5}{6}$	$1\frac{9}{13}$	$1\frac{4}{7}$	$20\frac{5}{8}$
	=	25	$6\frac{7}{8}$	$5\frac{1}{2}$	$4\frac{7}{12}$	$3\frac{13}{14}$	$3\frac{7}{16}$	$3\frac{1}{18}$	$2\frac{3}{4}$	$2\frac{1}{2}$	$2\frac{7}{24}$	$2\frac{3}{26}$	$1\frac{27}{28}$	$25\frac{1}{2}$
	=	30	$8\frac{1}{4}$	$6\frac{3}{5}$	$5\frac{1}{2}$	$4\frac{5}{7}$	$4\frac{1}{8}$	$3\frac{2}{3}$	$3\frac{3}{10}$	3	$2\frac{3}{4}$	$2\frac{7}{13}$	$2\frac{5}{14}$	$30\frac{15}{16}$
	=	35	$9\frac{5}{8}$	$7\frac{7}{10}$	$6\frac{5}{12}$	$5\frac{1}{2}$	$4\frac{13}{16}$	$4\frac{5}{18}$	$3\frac{17}{20}$	$3\frac{1}{2}$	$3\frac{5}{24}$	$2\frac{25}{26}$	$3\frac{3}{4}$	$36\frac{3}{32}$
	=	40	11	9	$7\frac{1}{3}$	$6\frac{2}{7}$	$5\frac{1}{2}$	$4\frac{8}{9}$	$4\frac{2}{5}$	4	$3\frac{2}{3}$	$3\frac{5}{13}$	$3\frac{1}{7}$	$41\frac{1}{4}$
	=	45	$12\frac{3}{8}$	10	$8\frac{1}{4}$	$7\frac{1}{14}$	$6\frac{3}{16}$	$5\frac{1}{2}$	$4\frac{19}{20}$	$4\frac{1}{2}$	$4\frac{1}{8}$	$3\frac{21}{26}$	$3\frac{15}{28}$	$46\frac{13}{32}$
64	=	20	$6\frac{2}{5}$	$5\frac{3}{25}$	$4\frac{4}{15}$	$3\frac{23}{35}$	$3\frac{1}{5}$	$2\frac{38}{45}$	$2\frac{14}{25}$	$2\frac{18}{55}$	$2\frac{2}{15}$	$1\frac{63}{65}$	$1\frac{58}{70}$	$23\frac{5}{8}$
	=	25	8	$6\frac{2}{5}$	$5\frac{1}{3}$	$4\frac{4}{7}$	4	$3\frac{5}{9}$	$3\frac{1}{5}$	$2\frac{10}{11}$	$2\frac{2}{3}$	$2\frac{6}{13}$	$2\frac{2}{7}$	30
	=	30	$9\frac{3}{5}$	$7\frac{7}{25}$	$6\frac{6}{15}$	$5\frac{17}{35}$	$4\frac{4}{5}$	$4\frac{12}{45}$	$3\frac{21}{25}$	$3\frac{27}{55}$	$3\frac{1}{5}$	$2\frac{62}{65}$	$2\frac{26}{35}$	36
	=	35	$11\frac{1}{5}$	$8\frac{24}{25}$	$7\frac{7}{15}$	$6\frac{14}{35}$	$5\frac{3}{5}$	$4\frac{44}{45}$	$4\frac{12}{25}$	$4\frac{4}{55}$	$3\frac{11}{15}$	$3\frac{29}{65}$	$3\frac{7}{35}$	42
	=	40	$12\frac{4}{5}$	$10\frac{6}{25}$	$8\frac{8}{15}$	$7\frac{11}{35}$	$6\frac{2}{5}$	$5\frac{31}{45}$	$5\frac{3}{25}$	$4\frac{36}{55}$	$4\frac{4}{15}$	$3\frac{61}{65}$	$3\frac{23}{35}$	$47\frac{1}{4}$
66	=	20	$6\frac{3}{5}$	$5\frac{7}{25}$	$4\frac{6}{15}$	$3\frac{27}{35}$	$3\frac{3}{10}$	$2\frac{42}{45}$	$2\frac{16}{25}$	$2\frac{22}{55}$	$2\frac{1}{5}$	$2\frac{4}{13}$	$1\frac{31}{35}$	$24\frac{3}{4}$
	=	25	$8\frac{1}{4}$	$6\frac{3}{5}$	$5\frac{1}{2}$	$4\frac{5}{7}$	$4\frac{1}{8}$	$3\frac{2}{3}$	$3\frac{3}{10}$	3	$2\frac{3}{4}$	$2\frac{7}{13}$	$2\frac{5}{14}$	$30\frac{15}{16}$
	=	30	$9\frac{9}{10}$	$7\frac{23}{25}$	$6\frac{3}{5}$	$5\frac{23}{35}$	$4\frac{19}{20}$	$4\frac{18}{45}$	$3\frac{24}{25}$	$3\frac{33}{55}$	$3\frac{3}{10}$	$3\frac{3}{65}$	$2\frac{29}{35}$	$37\frac{1}{8}$
	=	35	$11\frac{11}{20}$	$9\frac{9}{25}$	$7\frac{21}{30}$	$6\frac{21}{35}$	$5\frac{31}{40}$	$5\frac{6}{45}$	$4\frac{31}{50}$	$4\frac{1}{5}$	$3\frac{51}{60}$	$3\frac{36}{65}$	$3\frac{3}{10}$	$43\frac{5}{16}$
	=	40	$13\frac{1}{5}$	$10\frac{14}{25}$	$8\frac{4}{5}$	$7\frac{19}{35}$	$6\frac{3}{5}$	$5\frac{39}{45}$	$5\frac{7}{25}$	$4\frac{4}{5}$	$4\frac{2}{5}$	$4\frac{8}{23}$	$3\frac{27}{35}$	$49\frac{1}{2}$
68	=	25	$8\frac{1}{2}$	$6\frac{4}{5}$	$5\frac{2}{3}$	$4\frac{6}{7}$	$4\frac{1}{4}$	$3\frac{7}{9}$	$3\frac{2}{5}$	$3\frac{1}{11}$	$2\frac{5}{6}$	$2\frac{8}{13}$	$2\frac{3}{7}$	$31\frac{7}{8}$
	=	30	$10\frac{1}{5}$	$8\frac{4}{25}$	$6\frac{4}{5}$	$5\frac{29}{35}$	$5\frac{1}{10}$	$4\frac{24}{45}$	$4\frac{2}{25}$	$3\frac{13}{20}$	$3\frac{2}{5}$	$3\frac{9}{65}$	$3\frac{2}{35}$	$38\frac{1}{4}$
	=	35	$11\frac{9}{10}$	$9\frac{13}{25}$	$7\frac{14}{15}$	$6\frac{28}{35}$	$5\frac{4}{5}$	$5\frac{13}{45}$	$4\frac{19}{25}$	$4\frac{18}{55}$	$3\frac{29}{30}$	$3\frac{8}{13}$	$3\frac{14}{35}$	$44\frac{5}{8}$
	=	40	$13\frac{3}{5}$	$10\frac{22}{25}$	$9\frac{1}{15}$	$7\frac{27}{35}$	$6\frac{4}{5}$	$5\frac{39}{40}$	$5\frac{11}{25}$	$4\frac{52}{55}$	$4\frac{8}{15}$	$4\frac{12}{65}$	$3\frac{31}{35}$	51
	=	45	$15\frac{3}{10}$	$12\frac{6}{25}$	$10\frac{1}{5}$	$8\frac{26}{35}$	$7\frac{13}{20}$	$6\frac{36}{45}$	$6\frac{3}{25}$	$5\frac{31}{35}$	$5\frac{1}{10}$	$4\frac{46}{65}$	$4\frac{13}{35}$	$57\frac{3}{8}$
70	=	25	$8\frac{3}{4}$	7	$5\frac{5}{6}$	5	$4\frac{3}{8}$	$3\frac{8}{9}$	$3\frac{1}{2}$	$3\frac{2}{11}$	$2\frac{11}{12}$	$2\frac{9}{13}$	$2\frac{1}{2}$	$32\frac{13}{16}$
	=	30	$10\frac{1}{2}$	$8\frac{2}{5}$	7	6	$5\frac{1}{4}$	$4\frac{2}{3}$	$4\frac{1}{5}$	$3\frac{9}{11}$	$3\frac{1}{2}$	$3\frac{3}{13}$	3	$39\frac{3}{8}$
	=	35	$12\frac{1}{4}$	$9\frac{4}{5}$	$8\frac{1}{6}$	7	$5\frac{39}{40}$	$5\frac{4}{9}$	$4\frac{22}{25}$	$4\frac{5}{11}$	$4\frac{1}{12}$	$3\frac{10}{13}$	$3\frac{1}{2}$	46
	=	40	14	$11\frac{1}{5}$	$9\frac{1}{3}$	8	7	$6\frac{2}{9}$	$5\frac{3}{5}$	$5\frac{1}{11}$	$4\frac{2}{3}$	$4\frac{16}{65}$	4	$52\frac{1}{2}$
	=	45	$15\frac{3}{4}$	$12\frac{3}{5}$	$10\frac{1}{2}$	9	$7\frac{7}{8}$	7	$6\frac{3}{10}$	$5\frac{8}{11}$	$5\frac{1}{4}$	$4\frac{11}{13}$	$4\frac{1}{2}$	59
72	=	25	9	$7\frac{1}{5}$	6	$5\frac{1}{7}$	$4\frac{1}{2}$	4	$3\frac{3}{5}$	$3\frac{3}{11}$	3	$2\frac{10}{13}$	$2\frac{4}{7}$	$33\frac{3}{4}$
	=	30	$10\frac{4}{5}$	$8\frac{2}{3}$	$7\frac{3}{15}$	$6\frac{6}{35}$	$5\frac{2}{5}$	$4\frac{36}{45}$	$4\frac{1}{3}$	$3\frac{51}{55}$	$3\frac{3}{5}$	$3\frac{21}{65}$	$3\frac{3}{35}$	$40\frac{1}{2}$
	=	35	$12\frac{3}{5}$	$10\frac{2}{25}$	$8\frac{2}{5}$	$7\frac{7}{35}$	$6\frac{3}{20}$	$5\frac{27}{45}$	$5\frac{1}{25}$	$4\frac{32}{55}$	$4\frac{1}{5}$	$3\frac{57}{65}$	$3\frac{21}{35}$	$47\frac{1}{4}$
	=	40	$14\frac{2}{5}$	$11\frac{13}{15}$	$9\frac{3}{5}$	$8\frac{8}{35}$	$7\frac{1}{5}$	$6\frac{18}{45}$	$5\frac{14}{25}$	$5\frac{13}{55}$	$4\frac{2}{5}$	$4\frac{28}{65}$	$4\frac{4}{35}$	54
	=	45	$16\frac{1}{5}$	$12\frac{24}{25}$	$10\frac{4}{5}$	$9\frac{9}{35}$	$8\frac{1}{10}$	$7\frac{9}{45}$	$6\frac{12}{25}$	$6\frac{49}{55}$	$5\frac{2}{5}$	$5\frac{64}{65}$	$4\frac{22}{35}$	$60\frac{3}{4}$
74	=	25	$9\frac{1}{4}$	$7\frac{2}{5}$	$6\frac{1}{6}$	$5\frac{2}{7}$	$4\frac{5}{8}$	$4\frac{1}{9}$	$3\frac{4}{5}$	$3\frac{8}{11}$	$3\frac{1}{12}$	$2\frac{11}{13}$	$2\frac{9}{14}$	35
	=	30	11	$8\frac{22}{25}$	$7\frac{2}{5}$	$6\frac{12}{35}$	$5\frac{1}{2}$	$4\frac{42}{45}$	$4\frac{1}{25}$	$4\frac{2}{55}$	$3\frac{7}{10}$	$3\frac{27}{65}$	$3\frac{6}{35}$	$41\frac{5}{8}$
	=	35	$12\frac{13}{20}$	$10\frac{9}{25}$	$8\frac{19}{30}$	$7\frac{14}{15}$	$6\frac{13}{40}$	$5\frac{3}{4}$	$5\frac{9}{50}$	$4\frac{39}{55}$	$4\frac{19}{60}$	$3\frac{64}{65}$	$3\frac{29}{30}$	$48\frac{1}{2}$
	=	40	$14\frac{4}{5}$	$11\frac{21}{25}$	$9\frac{13}{15}$	$8\frac{16}{35}$	$7\frac{2}{5}$	$6\frac{26}{45}$	$5\frac{23}{25}$	$5\frac{21}{55}$	$4\frac{14}{15}$	$4\frac{36}{65}$	$4\frac{8}{35}$	$55\frac{1}{2}$
	=	45	$16\frac{13}{20}$	$13\frac{8}{25}$	$11\frac{1}{30}$	$9\frac{18}{35}$	$8\frac{13}{40}$	$7\frac{18}{45}$	$6\frac{33}{50}$	$6\frac{3}{55}$	$5\frac{31}{60}$	$5\frac{8}{65}$	$4\frac{43}{70}$	$62\frac{7}{16}$
76	=	25	$9\frac{1}{2}$	$7\frac{3}{5}$	$6\frac{1}{3}$	$5\frac{3}{7}$	$4\frac{3}{4}$	$4\frac{2}{9}$	$3\frac{4}{5}$	$3\frac{7}{11}$	$3\frac{1}{6}$	$2\frac{12}{13}$	$2\frac{5}{7}$	$35\frac{5}{8}$
	=	30	$11\frac{2}{5}$	$9\frac{3}{25}$	$7\frac{3}{5}$	$6\frac{18}{35}$	$5\frac{3}{5}$	$5\frac{31}{45}$	$4\frac{14}{25}$	$4\frac{8}{55}$	$3\frac{4}{5}$	$3\frac{33}{65}$	$3\frac{9}{35}$	$42\frac{3}{4}$
	=	35	$13\frac{3}{10}$	$10\frac{16}{25}$	$8\frac{13}{15}$	$7\frac{21}{35}$	$6\frac{1}{2}$	$5\frac{41}{45}$	$5\frac{8}{25}$	$4\frac{46}{55}$	$4\frac{13}{30}$	$4\frac{6}{65}$	$3\frac{28}{35}$	$49\frac{7}{8}$
	=	40	$15\frac{1}{5}$	$12\frac{4}{25}$	$10\frac{2}{15}$	$8\frac{24}{35}$	$7\frac{1}{2}$	$6\frac{34}{45}$	$6\frac{2}{25}$	$5\frac{29}{55}$	$5\frac{1}{15}$	$4\frac{44}{65}$	$4\frac{12}{35}$	57
	=	45	$17\frac{1}{10}$	$13\frac{17}{25}$	$11\frac{2}{5}$	$9\frac{27}{35}$	$8\frac{11}{20}$	$7\frac{27}{45}$	$6\frac{21}{25}$	$6\frac{12}{55}$	$5\frac{7}{10}$	$5\frac{17}{65}$	$4\frac{31}{35}$	$64\frac{1}{3}$

## Table to lay out Lots for Filling.

To ascertain how many ounces of Filling it will require, for a certain Number of Picks, in different width, of different Sizes Yarn.

For Instance:

55 Inch Width, 20 Picks, 2 Run Yarn, will require  $5\frac{1}{2}$  ounces and 68 Inches, 25 Picks, 5 Run will require  $3\frac{2}{5}$  oz. pr. Yard.

Holes of Twist for Filling: two Run, 14 Holes Twist, 4 Run, 19 Holes.

Statement of the Run, required pr. 30 Yard. For Instance:

For 78 Inch Width, 25 Picks,  $36\frac{9}{16}$  Run Yarn.

No. of Holes Twist on Worcester Jacks.		14 Holes.	15 Holes.	17 Holes.	18 Holes.	19 Holes.	20 Holes.	21 Holes.	22 Holes.	23 Holes.	24 Holes.	25 Holes.	Stating the Run
No. of Inches Width in Reed.	No. of Picks	2 Run.	2 $\frac{1}{2}$ Run.	3 Run.	3 $\frac{1}{2}$ Run.	4 Run.	4 $\frac{1}{2}$ Run.	5 Run.	5 $\frac{1}{2}$ Run.	6 Run.	6 $\frac{1}{2}$ Run.	7 Run.	for 30 Yds.
		oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.	Run.
78 =	25	9 $\frac{3}{4}$	7 $\frac{4}{5}$	6 $\frac{1}{2}$	5 $\frac{4}{7}$	4 $\frac{7}{8}$	4 $\frac{1}{3}$	3 $\frac{4}{5}$	3 $\frac{8}{11}$	3 $\frac{1}{4}$	3	2 $\frac{11}{14}$	36 $\frac{9}{16}$
=	30	11 $\frac{7}{10}$	9 $\frac{1}{3}$	7 $\frac{4}{5}$	6 $\frac{24}{35}$	5 $\frac{4}{5}$	5 $\frac{1}{5}$	4 $\frac{2}{3}$	4 $\frac{14}{55}$	3 $\frac{9}{10}$	3 $\frac{39}{65}$	3 $\frac{12}{35}$	40 $\frac{1}{8}$
=	35	13 $\frac{13}{20}$	10 $\frac{23}{25}$	9 $\frac{1}{10}$	7 $\frac{28}{35}$	6 $\frac{27}{40}$	6 $\frac{1}{15}$	5 $\frac{23}{50}$	4 $\frac{53}{55}$	4 $\frac{3}{5}$	4 $\frac{3}{65}$	3 $\frac{63}{70}$	51 $\frac{3}{16}$
=	40	15 $\frac{3}{5}$	12 $\frac{12}{25}$	10 $\frac{2}{5}$	8 $\frac{32}{35}$	7 $\frac{3}{4}$	6 $\frac{14}{15}$	6 $\frac{6}{25}$	5 $\frac{37}{55}$	5 $\frac{1}{5}$	4 $\frac{52}{65}$	4 $\frac{16}{35}$	58 $\frac{1}{2}$
=	45	17 $\frac{11}{20}$	14 $\frac{1}{25}$	11 $\frac{21}{30}$	10 $\frac{1}{35}$	8 $\frac{31}{40}$	7 $\frac{4}{5}$	7 $\frac{1}{50}$	6 $\frac{21}{55}$	5 $\frac{51}{60}$	5 $\frac{26}{65}$	5 $\frac{1}{70}$	65 $\frac{13}{16}$
=	55	21 $\frac{9}{20}$	17 $\frac{2}{15}$	14 $\frac{3}{10}$	12 $\frac{9}{35}$	10 $\frac{27}{40}$	9 $\frac{8}{15}$	8 $\frac{7}{15}$	7 $\frac{54}{55}$	7 $\frac{3}{20}$	6 $\frac{39}{65}$	6 $\frac{9}{70}$	80 $\frac{7}{16}$
80 =	25	10	8	6 $\frac{2}{3}$	5 $\frac{5}{7}$	5	4 $\frac{4}{9}$	4	3 $\frac{7}{11}$	3 $\frac{1}{3}$	3 $\frac{1}{3}$	2 $\frac{9}{7}$	37 $\frac{1}{2}$
=	30	12	9 $\frac{3}{5}$	8	6 $\frac{6}{7}$	6	5 $\frac{1}{8}$	4 $\frac{4}{5}$	4 $\frac{4}{11}$	4	3 $\frac{2}{3}$	3 $\frac{3}{7}$	45
=	35	14	11 $\frac{1}{5}$	9 $\frac{1}{3}$	8	7	6 $\frac{2}{9}$	5 $\frac{3}{5}$	5 $\frac{1}{11}$	4 $\frac{2}{3}$	4 $\frac{4}{13}$	4	52 $\frac{1}{2}$
=	40	16	12 $\frac{4}{5}$	10 $\frac{2}{3}$	9 $\frac{1}{7}$	8	7 $\frac{1}{9}$	6 $\frac{2}{5}$	9 $\frac{9}{11}$	5 $\frac{1}{3}$	4 $\frac{12}{13}$	4 $\frac{4}{7}$	60
=	45	18	14 $\frac{2}{5}$	12	10 $\frac{2}{7}$	9	8	7 $\frac{1}{5}$	6 $\frac{6}{11}$	6	5 $\frac{7}{13}$	5 $\frac{1}{7}$	67 $\frac{1}{4}$
82 =	25	10 $\frac{1}{4}$	8 $\frac{1}{5}$	6 $\frac{5}{6}$	5 $\frac{6}{7}$	5 $\frac{1}{8}$	4 $\frac{5}{9}$	4 $\frac{1}{10}$	3 $\frac{8}{11}$	3 $\frac{5}{12}$	3 $\frac{2}{13}$	2 $\frac{13}{14}$	38 $\frac{1}{4}$
=	30	12 $\frac{3}{10}$	9 $\frac{21}{25}$	8 $\frac{1}{5}$	7 $\frac{1}{35}$	6 $\frac{3}{20}$	5 $\frac{7}{15}$	4 $\frac{23}{25}$	4 $\frac{26}{55}$	4 $\frac{1}{10}$	3 $\frac{51}{65}$	3 $\frac{23}{35}$	46 $\frac{1}{8}$
=	35	14 $\frac{7}{20}$	11 $\frac{12}{25}$	9 $\frac{1}{30}$	8 $\frac{7}{35}$	7 $\frac{7}{40}$	6 $\frac{17}{45}$	5 $\frac{37}{50}$	5 $\frac{12}{55}$	4 $\frac{47}{60}$	4 $\frac{27}{65}$	4 $\frac{1}{10}$	53 $\frac{13}{16}$
=	40	16 $\frac{2}{5}$	13 $\frac{3}{25}$	10 $\frac{14}{15}$	9 $\frac{13}{35}$	8 $\frac{1}{5}$	7 $\frac{13}{45}$	6 $\frac{14}{25}$	5 $\frac{53}{55}$	5 $\frac{7}{15}$	5 $\frac{3}{65}$	4 $\frac{24}{35}$	61 $\frac{1}{2}$
=	45	18 $\frac{9}{20}$	14 $\frac{13}{25}$	12 $\frac{3}{10}$	10 $\frac{19}{35}$	9 $\frac{9}{40}$	8 $\frac{1}{5}$	7 $\frac{19}{50}$	6 $\frac{39}{55}$	6 $\frac{3}{20}$	5 $\frac{44}{65}$	5 $\frac{19}{70}$	69 $\frac{3}{16}$
84 =	25	10 $\frac{1}{2}$	8 $\frac{2}{5}$	7	6	5 $\frac{1}{4}$	4 $\frac{2}{3}$	4 $\frac{1}{5}$	3 $\frac{9}{11}$	3 $\frac{1}{2}$	3 $\frac{3}{13}$	3	39 $\frac{3}{8}$
=	30	12 $\frac{3}{5}$	10 $\frac{4}{5}$	8 $\frac{2}{5}$	7 $\frac{7}{35}$	6 $\frac{3}{10}$	5 $\frac{1}{15}$	5 $\frac{2}{5}$	4 $\frac{32}{55}$	4 $\frac{1}{5}$	3 $\frac{57}{65}$	3 $\frac{21}{35}$	47 $\frac{1}{4}$
=	35	14 $\frac{7}{10}$	11 $\frac{19}{25}$	9 $\frac{4}{5}$	8 $\frac{14}{35}$	7 $\frac{7}{20}$	6 $\frac{8}{15}$	5 $\frac{18}{25}$	5 $\frac{19}{55}$	4 $\frac{9}{10}$	4 $\frac{34}{65}$	4 $\frac{7}{35}$	55 $\frac{1}{2}$
=	40	16 $\frac{4}{5}$	13 $\frac{11}{25}$	11 $\frac{1}{5}$	9 $\frac{21}{35}$	8 $\frac{2}{5}$	7 $\frac{7}{15}$	6 $\frac{18}{25}$	6 $\frac{6}{55}$	5 $\frac{3}{5}$	5 $\frac{11}{65}$	4 $\frac{28}{35}$	63
=	45	18 $\frac{3}{10}$	15 $\frac{3}{25}$	12 $\frac{3}{5}$	10 $\frac{28}{35}$	9 $\frac{3}{20}$	8 $\frac{2}{5}$	7 $\frac{14}{25}$	6 $\frac{48}{55}$	6 $\frac{3}{10}$	5 $\frac{53}{65}$	5 $\frac{14}{35}$	70 $\frac{7}{8}$
86 =	25	10 $\frac{3}{4}$	8 $\frac{3}{5}$	7 $\frac{1}{6}$	6 $\frac{1}{7}$	5 $\frac{3}{8}$	4 $\frac{7}{9}$	4 $\frac{3}{10}$	3 $\frac{10}{11}$	3 $\frac{7}{12}$	3 $\frac{4}{13}$	3 $\frac{1}{14}$	40 $\frac{5}{16}$
=	30	12 $\frac{9}{10}$	10 $\frac{8}{25}$	8 $\frac{3}{5}$	7 $\frac{13}{35}$	6 $\frac{9}{20}$	5 $\frac{33}{45}$	5 $\frac{4}{25}$	4 $\frac{38}{55}$	4 $\frac{3}{10}$	3 $\frac{63}{65}$	3 $\frac{24}{35}$	48 $\frac{3}{8}$
=	35	15 $\frac{1}{20}$	12 $\frac{1}{25}$	10 $\frac{1}{30}$	8 $\frac{21}{35}$	7 $\frac{21}{40}$	6 $\frac{31}{45}$	6 $\frac{1}{50}$	5 $\frac{26}{55}$	5 $\frac{1}{60}$	4 $\frac{41}{65}$	4 $\frac{21}{70}$	56 $\frac{7}{16}$
=	40	17 $\frac{1}{5}$	13 $\frac{9}{25}$	11 $\frac{7}{15}$	9 $\frac{29}{35}$	8 $\frac{3}{5}$	7 $\frac{29}{45}$	6 $\frac{22}{25}$	6 $\frac{14}{55}$	5 $\frac{11}{15}$	5 $\frac{19}{65}$	4 $\frac{32}{35}$	64 $\frac{1}{2}$
=	45	19 $\frac{7}{20}$	15 $\frac{12}{25}$	12 $\frac{9}{10}$	11 $\frac{2}{35}$	9 $\frac{27}{40}$	8 $\frac{3}{5}$	7 $\frac{37}{50}$	7 $\frac{2}{55}$	6 $\frac{9}{20}$	5 $\frac{62}{65}$	5 $\frac{37}{70}$	72 $\frac{9}{16}$
88 =	25	11	8 $\frac{4}{5}$	7 $\frac{1}{3}$	6 $\frac{2}{7}$	5 $\frac{1}{2}$	4 $\frac{4}{9}$	4 $\frac{2}{5}$	4	3 $\frac{2}{3}$	3 $\frac{5}{13}$	3 $\frac{1}{7}$	41 $\frac{1}{4}$
=	30	14 $\frac{9}{10}$	10 $\frac{8}{25}$	8 $\frac{3}{5}$	7 $\frac{13}{15}$	7 $\frac{9}{20}$	5 $\frac{33}{45}$	5 $\frac{4}{25}$	4 $\frac{38}{55}$	4 $\frac{3}{10}$	3 $\frac{63}{65}$	3 $\frac{24}{35}$	49 $\frac{1}{2}$
=	35	15 $\frac{2}{5}$	12 $\frac{8}{25}$	10 $\frac{4}{15}$	8 $\frac{28}{35}$	7 $\frac{7}{10}$	6 $\frac{38}{45}$	6 $\frac{4}{25}$	5 $\frac{3}{5}$	5 $\frac{2}{15}$	4 $\frac{48}{65}$	4 $\frac{14}{35}$	59 $\frac{1}{4}$
=	40	17 $\frac{3}{5}$	14 $\frac{2}{25}$	11 $\frac{11}{15}$	10 $\frac{2}{35}$	8 $\frac{4}{5}$	7 $\frac{37}{45}$	7 $\frac{1}{25}$	6 $\frac{22}{55}$	5 $\frac{13}{15}$	5 $\frac{27}{65}$	5 $\frac{1}{35}$	66
=	45	19 $\frac{4}{5}$	15 $\frac{21}{25}$	13 $\frac{1}{5}$	11 $\frac{11}{35}$	9 $\frac{9}{10}$	8 $\frac{36}{45}$	7 $\frac{23}{25}$	7 $\frac{1}{5}$	6 $\frac{3}{5}$	6 $\frac{6}{65}$	5 $\frac{23}{35}$	74 $\frac{1}{4}$
90 =	25	12 $\frac{1}{4}$	9	7 $\frac{1}{2}$	6 $\frac{3}{7}$	6 $\frac{1}{4}$	5	4 $\frac{1}{2}$	4 $\frac{1}{11}$	3 $\frac{3}{4}$	3 $\frac{6}{13}$	3 $\frac{3}{14}$	42 $\frac{3}{16}$
=	30	13 $\frac{1}{2}$	10 $\frac{4}{5}$	9	7 $\frac{5}{7}$	6 $\frac{3}{4}$	6	5 $\frac{2}{5}$	4 $\frac{10}{11}$	4 $\frac{1}{2}$	4 $\frac{12}{13}$	3 $\frac{6}{7}$	50 $\frac{5}{8}$
=	35	15 $\frac{3}{4}$	12 $\frac{3}{5}$	10 $\frac{1}{2}$	9	7 $\frac{7}{8}$	7	6 $\frac{3}{10}$	5 $\frac{8}{11}$	5 $\frac{1}{4}$	4 $\frac{11}{13}$	4 $\frac{1}{2}$	59 $\frac{1}{16}$
=	40	18	14 $\frac{2}{5}$	12	10 $\frac{2}{7}$	9	8	7 $\frac{1}{5}$	6 $\frac{6}{11}$	6	5 $\frac{7}{13}$	5 $\frac{1}{7}$	67 $\frac{1}{2}$
=	45	20 $\frac{1}{4}$	16 $\frac{1}{5}$	13 $\frac{1}{2}$	11 $\frac{4}{7}$	10 $\frac{1}{8}$	9	8 $\frac{1}{10}$	7 $\frac{4}{11}$	6 $\frac{3}{4}$	6 $\frac{3}{13}$	5 $\frac{11}{14}$	75 $\frac{15}{16}$
92 =	25	11 $\frac{1}{2}$	9 $\frac{1}{5}$	7 $\frac{2}{3}$	6 $\frac{4}{7}$	5 $\frac{3}{4}$	5 $\frac{1}{9}$	4 $\frac{3}{5}$	4 $\frac{2}{11}$	3 $\frac{5}{6}$	3 $\frac{7}{13}$	3 $\frac{2}{7}$	42 $\frac{15}{16}$
=	30	13 $\frac{4}{5}$	11 $\frac{1}{25}$	9 $\frac{1}{5}$	7 $\frac{31}{35}$	6 $\frac{9}{10}$	6 $\frac{6}{45}$	5 $\frac{13}{25}$	5 $\frac{1}{55}$	4 $\frac{3}{5}$	4 $\frac{16}{65}$	3 $\frac{33}{35}$	51 $\frac{3}{4}$
=	35	16 $\frac{1}{10}$	12 $\frac{22}{28}$	10 $\frac{11}{15}$	9 $\frac{7}{35}$	8 $\frac{1}{20}$	7 $\frac{7}{45}$	6 $\frac{11}{25}$	5 $\frac{47}{55}$	5 $\frac{11}{30}$	4 $\frac{62}{65}$	4 $\frac{21}{35}$	60 $\frac{3}{8}$
=	40	18 $\frac{2}{5}$	14 $\frac{18}{25}$	12 $\frac{4}{15}$	10 $\frac{18}{35}$	9 $\frac{1}{5}$	8 $\frac{8}{45}$	7 $\frac{9}{25}$	6 $\frac{38}{55}$	6 $\frac{2}{15}$	5 $\frac{43}{65}$	5 $\frac{9}{35}$	69 $\frac{5}{16}$
=	45	20 $\frac{7}{10}$	16 $\frac{14}{25}$	13 $\frac{12}{15}$	11 $\frac{29}{35}$	10 $\frac{7}{20}$	9 $\frac{9}{45}$	8 $\frac{7}{25}$	7 $\frac{29}{55}$	6 $\frac{9}{10}$	6 $\frac{24}{65}$	5 $\frac{32}{35}$	77

## Table for Dressing for 48 and 40 Threads on a Spool.

To ascertain how many Spools, Sections, Threads, it will require for a certain Number of  
Threads in a Warp.

**For instance :**

To make a Warp of 576 threads, it requires 6 Spools, and 2 Sections, and 2304 threads it will take 12 Spools,  
4 Section, or 8 Spools and 6 Section, with 48 threads on a Spool.

### Table with 48 Threads on a Spool.

No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.
6	2=	576	6 <sup>1</sup> / <sub>4</sub>	2=	600	6 <sup>1</sup> / <sub>3</sub>	2=	608	6 <sup>1</sup> / <sub>2</sub>	2=	624	7	2=	672	7 <sup>1</sup> / <sub>4</sub>	2=	696
	3=	864		3=	900		3=	912		3=	936		3=	1008		3=	1044
	4=	1152		4=	1200		4=	1216		4=	1248		4=	1344		4=	1392
	5=	1440		5=	1500		5=	1520		5=	1560		5=	1680		5=	1740
	6=	1728		6=	1800		6=	1824		6=	1872		6=	2016		6=	2088
	7=	2016		7=	2100		7=	2128		7=	2184		7=	2352		7=	2436
	8=	2304		8=	2400		8=	2432		8=	2496		8=	2688		8=	2784
	7 <sup>1</sup> / <sub>3</sub>	2=		704	7 <sup>1</sup> / <sub>2</sub>		2=	720		8	2=		768	8 <sup>1</sup> / <sub>4</sub>		2=	792
3=		1056	3=	1080		3=	1152	3=	1188		3=	1200	3=		1224		
4=		1408	4=	1440		4=	1536	4=	1584		4=	1600	4=		1632		
5=		1760	5=	1800		5=	1920	5=	1980		5=	2000	5=		2040		
6=		2112	6=	2160		6=	2304	6=	2376		6=	2400	6=		2448		
7=		2464	7=	2520		7=	2688	7=	2772		7=	2800	7=		2856		
8=		2816	8=	2880		8=	3072	8=	3168		8=	3200	8=		3264		
9		2=	864	9 <sup>1</sup> / <sub>4</sub>		2=	888	9 <sup>1</sup> / <sub>3</sub>	2=		896	9 <sup>1</sup> / <sub>2</sub>	2=		912	10	2=
	3=	1296	3=		1332	3=	1344		3=	1368	3=		1440	3=	1476		
	4=	1728	4=		1776	4=	1792		4=	1824	4=		1920	4=	1968		
	5=	2160	5=		2220	5=	2240		5=	2280	5=		2400	5=	2460		
	6=	2592	6=		2664	6=	2688		6=	2736	6=		2880	6=	2952		
	7=	3024	7=		3108	7=	3136		7=	3192	7=		3360	7=	3444		
	8=	3456	8=		3552	8=	3584		8=	3648	8=		3840	8=	3936		
	10 <sup>1</sup> / <sub>3</sub>	2=	992		10 <sup>1</sup> / <sub>2</sub>	2=	1008		11	2=	1056		11 <sup>1</sup> / <sub>4</sub>	2=	1080		11 <sup>1</sup> / <sub>3</sub>
3=		1488	3=	1512		3=	1584	3=		1620	3=	1632		3=	1656		
4=		1984	4=	2016		4=	2112	4=		2160	4=	2176		4=	2208		
5=		2480	5=	2520		5=	2640	5=		2700	5=	2720		5=	2760		
6=		2976	6=	3024		6=	3168	6=		3240	6=	3264		6=	3312		
7=		3472	7=	3528		7=	3696	7=		3780	7=	3808		7=	3864		
8=		3968	8=	4032		8=	4224	8=		4320	8=	4352		8=	4416		
12		2=	1152	12 <sup>1</sup> / <sub>4</sub>		2=	1176	12 <sup>1</sup> / <sub>3</sub>		2=	1184	12 <sup>1</sup> / <sub>2</sub>		2=	1200	13	
	3=	1728	3=		1764	3=	1776		3=	1800	3=		1872	3=	1908		
	4=	2304	4=		2352	4=	2368		4=	2400	4=		2496	4=	2544		
	5=	2880	5=		2940	5=	2960		5=	3000	5=		3120	5=	3180		
	6=	3456	6=		3528	6=	3552		6=	3600	6=		3744	6=	3816		
	7=	4032	7=		4116	7=	4144		7=	4200	7=		4368	7=	4452		
	8=	4608	8=		4704	8=	4736		8=	4800	8=		4992	8=	5088		

## Table for Dressing for 48 and 40 Threads on a Spool.

To ascertain how many Spools, Sections, Threads, it will require for a certain Number of  
Threads in a Warp.

**For instance:**

To make a Warp of 576 threads, it requires 6 Spools, and 2 Sections, and 2304 threads it will take 12 Spools,  
4 Section, or 8 Spools and 6 Section, with 48 threads on a Spool.

### Table with 40 Threads on a Spool.

No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.	No. of Spools.	No. of Sections.	No. of Threads.
6	2=	480	6 <sup>1</sup> / <sub>4</sub>	2=	500	6 <sup>1</sup> / <sub>3</sub>	2=	508	6 <sup>1</sup> / <sub>2</sub>	2=	520	7	2=	560	7 <sup>1</sup> / <sub>4</sub>	2=	580
	3=	720		3=	750		3=	762		3=	780		3=	840		3=	870
	4=	960		4=	1000		4=	1016		4=	1040		4=	1120		4=	1160
	5=	1200		5=	1250		5=	1270		5=	1300		5=	1400		5=	1450
	6=	1440		6=	1500		6=	1524		6=	1560		6=	1680		6=	1740
	7=	1680		7=	1750		7=	1778		7=	1820		7=	1960		7=	2030
	8=	1920		8=	2000		8=	2032		8=	2080		8=	2240		8=	2320
	9=	2160		9=	2250		9=	2286		9=	2340		9=	2520		9=	2610
	7 <sup>1</sup> / <sub>3</sub>	2=		588	7 <sup>1</sup> / <sub>2</sub>		2=	600		8	2=		640	8 <sup>1</sup> / <sub>4</sub>		2=	660
3=		882	3=	900		3=	960	3=	990		3=	1002	3=		1020		
4=		1176	4=	1200		4=	1280	4=	1320		4=	1336	4=		1360		
5=		1470	5=	1500		5=	1600	5=	1650		5=	1670	5=		1700		
6=		1764	6=	1800		6=	1920	6=	1980		6=	2004	6=		2040		
7=		2058	7=	2100		7=	2240	7=	2310		7=	2338	7=		2380		
8=		2352	8=	2400		8=	2560	8=	2640		8=	2672	8=		2720		
9=		2646	9=	2700		9=	2880	9=	2970		9=	3006	9=		3060		
9		2=	720	9 <sup>1</sup> / <sub>4</sub>		2=	740	9 <sup>1</sup> / <sub>3</sub>	2=		748	9 <sup>1</sup> / <sub>2</sub>	2=		760	10	2=
	3=	1080	3=		1110	3=	1122		3=	1140	3=		1200	3=	1230		
	4=	1440	4=		1480	4=	1496		4=	1520	4=		1600	4=	1640		
	5=	1800	5=		1850	5=	1870		5=	1900	5=		2000	5=	2050		
	6=	2160	6=		2220	6=	2244		6=	2280	6=		2400	6=	2460		
	7=	2520	7=		2590	7=	2618		7=	2660	7=		2800	7=	2870		
	8=	2880	8=		2960	8=	2992		8=	3040	8=		3200	8=	3280		
	9=	3240	9=		3330	9=	3366		9=	3420	9=		3600	9=	3690		
	10 <sup>1</sup> / <sub>3</sub>	2=	828		10 <sup>1</sup> / <sub>2</sub>	2=	840		11	2=	880		11 <sup>1</sup> / <sub>4</sub>	2=	900		11 <sup>1</sup> / <sub>3</sub>
3=		1242	3=	1260		3=	1320	3=		1350	3=	1362		3=	1380		
4=		1656	4=	1680		4=	1760	4=		1800	4=	1816		4=	1840		
5=		2070	5=	2100		5=	2200	5=		2250	5=	2270		5=	2300		
6=		2484	6=	2520		6=	2640	6=		2700	6=	2724		6=	2760		
7=		2898	7=	2940		7=	3080	7=		3150	7=	3178		7=	3220		
8=		3312	8=	3360		8=	3520	8=		3600	8=	3632		8=	3680		
9=		3726	9=	3780		9=	3960	9=		4050	9=	4086		9=	4140		
12		2=	960	12 <sup>1</sup> / <sub>4</sub>		2=	880	12 <sup>1</sup> / <sub>3</sub>		2=	988	12 <sup>1</sup> / <sub>2</sub>		2=	1000	13	
	3=	1440	3=		1470	3=	1482		3=	1500	3=		1560	3=	1590		
	4=	1920	4=		1760	4=	1976		4=	2000	4=		2080	4=	2120		
	5=	2400	5=		2450	5=	2470		5=	2500	5=		2600	5=	2650		
	6=	2880	6=		2940	6=	3164		6=	3000	6=		3120	6=	3180		
	7=	3360	7=		3430	7=	3458		7=	3500	7=		3640	7=	3710		
	8=	3840	8=		3920	8=	3952		8=	4000	8=		4160	8=	4240		
	9=	4320	9=		4410	9=	4446		9=	4500	9=		4680	9=	4770		

# Table of Reeds

or to ascertain how many Dents in an Inch and how many threads in the Split are required, to give a certain Width of Cloth, for Instance:

Reed No. 8, two threads in a dent, requires 464 threads for 29 inches Width, Reed No. 11, four threads in a dent, requires 1584 threads for 36 inches &c.

No. of Reeds.	No. of Threads in Split.	29 Inches.	30 Inches.	31 Inches.	32 Inches.	33 Inches.	34 Inches.	35 Inches.	36 Inches.	37 Inches.	38 Inches.	39 Inches.	40 Inches.	41 Inches.	42 Inches.	43 Inches.	44 Inches.
8	2th.	464	480	496	512	528	544	560	576	592	608	624	640	656	672	688	704
	3 =	696	720	744	768	792	816	840	864	888	912	936	960	984	1008	1032	1066
	4 =	928	960	992	1024	1056	1088	1120	1152	1184	1216	1248	1280	1312	1344	1376	1408
	5 =	1160	1200	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	1640	1680	1720	1760
8½	2th.	493	510	527	544	561	578	595	612	629	646	663	680	697	714	731	748
	3 =	739	765	790	816	841	867	892	918	943	969	994	1020	1045	1071	1096	1122
	4 =	986	1020	1054	1088	1122	1156	1190	1224	1258	1292	1326	1360	1394	1428	1462	1496
	5 =	1232	1275	1317	1360	1402	1445	1487	1530	1572	1615	1657	1700	1742	1785	1827	1870
9	2th.	522	540	558	576	594	612	630	648	666	684	702	720	738	756	774	792
	3 =	783	810	837	864	891	918	945	972	999	1026	1053	1080	1107	1134	1161	1188
	4 =	1044	1080	1116	1152	1188	1224	1260	1296	1332	1368	1404	1440	1476	1512	1548	1584
	5 =	1305	1350	1395	1440	1485	1530	1575	1620	1665	1710	1755	1800	1845	1890	1935	1980
9½	2th.	551	570	589	608	627	646	665	684	703	722	741	760	779	798	817	836
	3 =	826	855	883	912	940	969	997	1026	1054	1083	1111	1140	1168	1197	1225	1254
	4 =	1102	1140	1178	1216	1254	1292	1330	1368	1406	1444	1482	1520	1558	1596	1634	1672
	5 =	1377	1425	1472	1520	1567	1615	1662	1710	1757	1805	1852	1900	1947	1995	2042	2090
10	2th.	580	600	620	640	660	680	700	720	740	760	780	800	820	840	860	880
	3 =	870	900	930	960	990	1020	1050	1080	1110	1140	1170	1200	1230	1260	1290	1320
	4 =	1160	1200	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	1640	1680	1720	1760
	5 =	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
10½	2th.	609	630	651	672	693	714	735	756	777	798	819	840	861	882	903	924
	3 =	913	945	976	1008	1039	1071	1102	1134	1165	1197	1228	1260	1291	1323	1354	1386
	4 =	1218	1260	1302	1344	1386	1428	1470	1512	1554	1596	1638	1680	1722	1764	1806	1848
	5 =	1522	1575	1627	1680	1732	1785	1837	1890	1942	1995	2047	2100	2152	2205	2257	2310
11	2th.	638	660	682	704	726	748	770	792	814	836	858	880	902	924	946	968
	3 =	957	990	1023	1056	1089	1122	1155	1188	1221	1254	1287	1320	1353	1386	1419	1452
	4 =	1276	1320	1364	1408	1452	1496	1540	1584	1628	1672	1716	1760	1804	1848	1892	1936
	5 =	1595	1650	1705	1760	1815	1870	1925	1980	2035	2090	2145	2200	2255	2310	2365	2420
11½	2th.	667	690	713	736	759	782	805	828	851	874	897	920	943	966	989	1012
	3 =	1000	1035	1069	1104	1138	1173	1207	1242	1276	1311	1345	1380	1414	1449	1483	1518
	4 =	1334	1380	1426	1472	1518	1564	1610	1656	1702	1748	1794	1840	1886	1932	1978	2024
	5 =	1667	1725	1782	1840	1897	1955	2012	2070	2127	2185	2242	2300	2357	2415	2472	2530
12	2th.	696	720	744	768	792	816	840	864	888	912	936	960	984	1008	1032	1056
	3 =	1044	1080	1116	1152	1188	1224	1260	1296	1332	1368	1404	1440	1476	1512	1548	1584
	4 =	1392	1440	1488	1536	1584	1632	1680	1728	1776	1824	1872	1920	1968	2016	2064	2112
	5 =	1740	1800	1860	1920	1980	2040	2100	2160	2220	2280	2340	2400	2460	2520	2580	2640
12½	2th.	725	750	775	800	825	850	875	900	925	950	975	1000	1025	1050	1075	1100
	3 =	1087	1125	1162	1200	1237	1275	1312	1350	1387	1425	1462	1500	1537	1575	1612	1650
	4 =	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
	5 =	1812	1875	1937	2000	2062	2125	2187	2250	2312	2375	2437	2500	2562	2625	2687	2750
13	2th.	754	780	806	832	858	884	910	936	962	988	1014	1040	1066	1092	1118	1144
	3 =	1131	1170	1209	1248	1287	1326	1365	1404	1443	1482	1521	1560	1599	1638	1677	1716
	4 =	1508	1560	1612	1664	1716	1768	1820	1872	1924	1976	2028	2080	2132	2184	2236	2288
	5 =	1885	1950	2015	2080	2145	2210	2275	2340	2405	2470	2535	2600	2665	2730	2795	2860
13½	2th.	783	810	837	864	891	918	945	972	999	1026	1053	1080	1107	1134	1161	1188
	3 =	1174	1215	1255	1296	1336	1377	1417	1458	1498	1539	1579	1620	1660	1701	1741	1782
	4 =	1566	1620	1674	1728	1782	1836	1890	1944	1998	2052	2106	2160	2214	2268	2322	2376
	5 =	1957	2025	2092	2160	2227	2295	2362	2430	2497	2565	2632	2700	2767	2835	2902	2970
14	2th.	812	840	868	896	924	952	980	1008	1036	1064	1092	1120	1148	1176	1204	1232
	3 =	1218	1260	1302	1344	1386	1428	1470	1512	1554	1596	1638	1680	1722	1764	1806	1848
	4 =	1624	1680	1736	1792	1848	1904	1960	2016	2072	2128	2184	2240	2296	2352	2408	2464
	5 =	2030	2100	2170	2240	2310	2380	2450	2520	2590	2660	2730	2800	2870	2940	3010	3080
14½	2th.	841	870	899	928	957	986	1015	1044	1073	1102	1131	1160	1189	1218	1247	1276
	3 =	1261	1305	1348	1392	1435	1479	1522	1566	1609	1653	1696	1740	1783	1827	1870	1914
	4 =	1682	1740	1798	1856	1914	1972	2030	2088	2146	2204	2262	2320	2378	2436	2494	2552
	5 =	2102	2175	2247	2320	2392	2465	2537	2610	2682	2755	2827	2900	2972	3045	3117	3190
15	2th.	870	900	930	960	990	1020	1050	1080	1110	1140	1170	1200	1230	1260	1290	1320
	3 =	1305	1350	1395	1440	1485	1530	1575	1620	1665	1710	1755	1800	1845	1890	1935	1980
	4 =	1740	1800	1860	1920	1980	2040	2100	2160	2220	2280	2340	2400	2460	2520	2580	2640
	5 =	2175	2250	2325	2400	2475	2550	2625	2700	2775	2850	2925	3000	3075	3150	3225	3300
15½	2th.	899	930	961	992	1023	1054	1085	1116	1147	1178	1209	1240	1271	1302	1333	1364
	3 =	1348	1395	1441	1488	1534	1581	1627	1674	1720	1767	1813	1860	1906	1953	1999	2046
	4 =	1798	1860	1922	1984	2046	2108	2170	2232	2294	2356	2418	2480	2542	2604	2666	2728
	5 =	2247	2325	2402	2480	2557	2635	2712	2790	2867	2945	3022	3100	3177	3255	3332	3410
16	2th.	928	960	992	1024	1056	1088	1120	1152	1184	1216	1248	1280	1312	1344	1376	1408
	3 =	1392	1440	1488	1536	1584	1632	1680	1728	1776	1824	1872	1920	1968	2016	2064	2112
	4 =	1856	1920	1984	2048	2112	2176	2240	2304	2368	2432	2496	2560	2624	2688	2752	2816
	5 =	2320	2400	2480	2560	2640	2720	2800	2880	2960	3040	3120	3200	3280	3360	3440	2520

## For Wool Buying.

Wool loseing 70% in cleaning, 1 lbs of clean Wool will cost 80 Cents, or 5 pr. oz. having paid 24 Cents a pound, before cleaning; or, Wool, at 40 Cent per pound in the Grease, loseing 60% in cleaning, will cost Dollar 1 pr. lbs, and 6<sup>1</sup>/<sub>4</sub> Cent pr. oz.

o/ of Clean Wool.	24 Cents per pound for Wool in the Grease.		26 Cents per pound for Wool in the Grease.		28 Cents per pound for Wool in the Grease.		30 Cents per pound for Wool in the Grease.		32 Cents per pound for Wool in the Grease.		34 Cents per pound for Wool in the Grease.		36 Cents per pound for Wool in the Grease.		38 Cents per pound for Wool in the Grease.	
	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.
	30	80	5	86 <sup>2</sup> / <sub>3</sub>	5 <sup>1</sup> / <sub>2</sub>	93 <sup>1</sup> / <sub>3</sub>	5 <sup>13</sup> / <sub>16</sub>	100	6 <sup>1</sup> / <sub>4</sub>	106 <sup>2</sup> / <sub>3</sub>	6 <sup>11</sup> / <sub>16</sub>	113 <sup>1</sup> / <sub>3</sub>	7 <sup>1</sup> / <sub>16</sub>	120	7 <sup>1</sup> / <sub>2</sub>	126
32	75	4 <sup>11</sup> / <sub>16</sub>	81 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>16</sub>	87 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>2</sub>	93 <sup>3</sup> / <sub>4</sub>	5 <sup>7</sup> / <sub>8</sub>	100	6 <sup>1</sup> / <sub>4</sub>	106 <sup>1</sup> / <sub>4</sub>	6 <sup>5</sup> / <sub>8</sub>	112 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>32</sub>	119	7 <sup>7</sup> / <sub>16</sub>
34	70 <sup>20</sup> / <sub>34</sub>	4 <sup>7</sup> / <sub>16</sub>	76 <sup>8</sup> / <sub>17</sub>	4 <sup>3</sup> / <sub>4</sub>	82 <sup>6</sup> / <sub>17</sub>	5 <sup>1</sup> / <sub>8</sub>	88 <sup>4</sup> / <sub>17</sub>	5 <sup>1</sup> / <sub>2</sub>	94 <sup>2</sup> / <sub>17</sub>	5 <sup>7</sup> / <sub>8</sub>	100	6 <sup>1</sup> / <sub>4</sub>	105 <sup>15</sup> / <sub>17</sub>	6 <sup>5</sup> / <sub>8</sub>	112	7
36	66 <sup>2</sup> / <sub>3</sub>	4 <sup>3</sup> / <sub>16</sub>	72 <sup>2</sup> / <sub>9</sub>	4 <sup>1</sup> / <sub>2</sub>	77 <sup>7</sup> / <sub>9</sub>	4 <sup>13</sup> / <sub>16</sub>	83 <sup>1</sup> / <sub>3</sub>	5 <sup>3</sup> / <sub>16</sub>	88 <sup>8</sup> / <sub>9</sub>	5 <sup>1</sup> / <sub>2</sub>	94 <sup>4</sup> / <sub>9</sub>	5 <sup>7</sup> / <sub>8</sub>	100	6 <sup>1</sup> / <sub>4</sub>	106	6 <sup>5</sup> / <sub>3</sub>
38	63 <sup>3</sup> / <sub>19</sub>	4	68 <sup>8</sup> / <sub>19</sub>	4 <sup>1</sup> / <sub>4</sub>	73 <sup>13</sup> / <sub>19</sub>	4 <sup>9</sup> / <sub>16</sub>	78 <sup>18</sup> / <sub>19</sub>	4 <sup>15</sup> / <sub>16</sub>	84 <sup>4</sup> / <sub>19</sub>	5 <sup>1</sup> / <sub>4</sub>	89 <sup>9</sup> / <sub>19</sub>	5 <sup>9</sup> / <sub>16</sub>	94 <sup>9</sup> / <sub>19</sub>	5 <sup>7</sup> / <sub>8</sub>	100	6 <sup>1</sup> / <sub>4</sub>
40	60	3 <sup>3</sup> / <sub>4</sub>	65	4 <sup>1</sup> / <sub>16</sub>	70	4 <sup>3</sup> / <sub>8</sub>	75	4 <sup>11</sup> / <sub>16</sub>	80	5	85	5 <sup>5</sup> / <sub>16</sub>	90	5 <sup>1</sup> / <sub>4</sub>	95	5 <sup>15</sup> / <sub>16</sub>
42	57 <sup>1</sup> / <sub>7</sub>	3 <sup>9</sup> / <sub>16</sub>	61 <sup>19</sup> / <sub>21</sub>	3 <sup>7</sup> / <sub>8</sub>	66 <sup>14</sup> / <sub>21</sub>	4 <sup>1</sup> / <sub>8</sub>	71 <sup>3</sup> / <sub>7</sub>	4 <sup>5</sup> / <sub>16</sub>	76 <sup>4</sup> / <sub>21</sub>	4 <sup>3</sup> / <sub>4</sub>	80	5 <sup>1</sup> / <sub>16</sub>	85 <sup>5</sup> / <sub>7</sub>	5 <sup>3</sup> / <sub>8</sub>	90 <sup>10</sup> / <sub>21</sub>	5 <sup>5</sup> / <sub>8</sub>
44	54 <sup>6</sup> / <sub>11</sub>	3 <sup>5</sup> / <sub>16</sub>	59 <sup>1</sup> / <sub>11</sub>	3 <sup>11</sup> / <sub>16</sub>	63 <sup>7</sup> / <sub>11</sub>	3 <sup>15</sup> / <sub>16</sub>	68 <sup>2</sup> / <sub>11</sub>	4 <sup>1</sup> / <sub>4</sub>	72 <sup>8</sup> / <sub>11</sub>	4 <sup>1</sup> / <sub>2</sub>	77 <sup>3</sup> / <sub>11</sub>	4 <sup>13</sup> / <sub>16</sub>	81 <sup>9</sup> / <sub>11</sub>	5 <sup>1</sup> / <sub>8</sub>	86 <sup>4</sup> / <sub>11</sub>	5 <sup>3</sup> / <sub>8</sub>
46	52 <sup>4</sup> / <sub>23</sub>	3 <sup>1</sup> / <sub>4</sub>	56 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	60 <sup>20</sup> / <sub>23</sub>	3 <sup>3</sup> / <sub>4</sub>	65 <sup>5</sup> / <sub>23</sub>	4 <sup>1</sup> / <sub>16</sub>	69 <sup>13</sup> / <sub>23</sub>	4 <sup>5</sup> / <sub>16</sub>	73 <sup>21</sup> / <sub>23</sub>	4 <sup>5</sup> / <sub>8</sub>	78 <sup>6</sup> / <sub>23</sub>	4 <sup>7</sup> / <sub>8</sub>	82 <sup>14</sup> / <sub>23</sub>	5 <sup>1</sup> / <sub>8</sub>
48	50	3 <sup>1</sup> / <sub>8</sub>	54 <sup>1</sup> / <sub>6</sub>	3 <sup>3</sup> / <sub>8</sub>	58 <sup>1</sup> / <sub>3</sub>	3 <sup>5</sup> / <sub>8</sub>	62 <sup>1</sup> / <sub>2</sub>	3 <sup>15</sup> / <sub>16</sub>	66 <sup>2</sup> / <sub>3</sub>	4 <sup>3</sup> / <sub>16</sub>	70 <sup>5</sup> / <sub>6</sub>	4 <sup>7</sup> / <sub>16</sub>	75	4 <sup>11</sup> / <sub>16</sub>	79	4 <sup>15</sup> / <sub>16</sub>
50	48	3	52	3 <sup>1</sup> / <sub>4</sub>	56	3 <sup>1</sup> / <sub>2</sub>	60	3 <sup>3</sup> / <sub>4</sub>	64	4	68	4 <sup>1</sup> / <sub>4</sub>	72	4 <sup>1</sup> / <sub>2</sub>	76	4 <sup>3</sup> / <sub>4</sub>
52	46 <sup>2</sup> / <sub>13</sub>	2 <sup>7</sup> / <sub>8</sub>	50	3 <sup>1</sup> / <sub>8</sub>	53 <sup>11</sup> / <sub>13</sub>	3 <sup>5</sup> / <sub>16</sub>	57 <sup>9</sup> / <sub>13</sub>	3 <sup>5</sup> / <sub>8</sub>	61 <sup>7</sup> / <sub>13</sub>	3 <sup>13</sup> / <sub>16</sub>	65 <sup>5</sup> / <sub>13</sub>	4 <sup>1</sup> / <sub>16</sub>	69 <sup>3</sup> / <sub>13</sub>	4 <sup>5</sup> / <sub>16</sub>	73	4 <sup>9</sup> / <sub>16</sub>
54	44 <sup>12</sup> / <sub>17</sub>	2 <sup>3</sup> / <sub>4</sub>	48 <sup>4</sup> / <sub>27</sub>	3	51 <sup>23</sup> / <sub>27</sub>	3 <sup>3</sup> / <sub>16</sub>	55 <sup>15</sup> / <sub>27</sub>	3 <sup>1</sup> / <sub>2</sub>	59 <sup>7</sup> / <sub>27</sub>	3 <sup>11</sup> / <sub>16</sub>	62 <sup>26</sup> / <sub>27</sub>	3 <sup>15</sup> / <sub>16</sub>	66 <sup>2</sup> / <sub>3</sub>	4 <sup>5</sup> / <sub>16</sub>	70 <sup>10</sup> / <sub>27</sub>	4 <sup>3</sup> / <sub>8</sub>
56	42 <sup>6</sup> / <sub>7</sub>	2 <sup>1</sup> / <sub>16</sub>	46 <sup>3</sup> / <sub>7</sub>	2 <sup>7</sup> / <sub>8</sub>	50	3 <sup>1</sup> / <sub>8</sub>	53 <sup>8</sup> / <sub>9</sub>	3 <sup>3</sup> / <sub>8</sub>	57 <sup>1</sup> / <sub>7</sub>	3 <sup>7</sup> / <sub>16</sub>	60 <sup>5</sup> / <sub>7</sub>	3 <sup>13</sup> / <sub>16</sub>	64 <sup>2</sup> / <sub>7</sub>	4	68	4 <sup>1</sup> / <sub>4</sub>
58	41 <sup>11</sup> / <sub>29</sub>	2 <sup>9</sup> / <sub>16</sub>	44 <sup>4</sup> / <sub>5</sub>	2 <sup>5</sup> / <sub>8</sub>	48 <sup>8</sup> / <sub>29</sub>	3	51 <sup>21</sup> / <sub>29</sub>	3 <sup>1</sup> / <sub>4</sub>	55 <sup>5</sup> / <sub>29</sub>	3 <sup>7</sup> / <sub>16</sub>	58 <sup>18</sup> / <sub>29</sub>	3 <sup>11</sup> / <sub>16</sub>	62 <sup>2</sup> / <sub>29</sub>	3 <sup>7</sup> / <sub>8</sub>	66	4 <sup>1</sup> / <sub>8</sub>
60	40	2 <sup>1</sup> / <sub>2</sub>	43 <sup>1</sup> / <sub>3</sub>	2 <sup>3</sup> / <sub>4</sub>	46 <sup>2</sup> / <sub>3</sub>	2 <sup>7</sup> / <sub>8</sub>	50	3 <sup>1</sup> / <sub>8</sub>	53 <sup>1</sup> / <sub>3</sub>	3 <sup>5</sup> / <sub>16</sub>	56 <sup>2</sup> / <sub>3</sub>	3 <sup>9</sup> / <sub>16</sub>	60	3 <sup>3</sup> / <sub>4</sub>	63 <sup>1</sup> / <sub>3</sub>	3 <sup>15</sup> / <sub>16</sub>
61	39 <sup>21</sup> / <sub>61</sub>	2 <sup>7</sup> / <sub>16</sub>	42 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>8</sub>	45 <sup>55</sup> / <sub>61</sub>	2 <sup>13</sup> / <sub>16</sub>	49 <sup>11</sup> / <sub>61</sub>	3 <sup>1</sup> / <sub>16</sub>	52 <sup>28</sup> / <sub>61</sub>	3 <sup>1</sup> / <sub>4</sub>	55 <sup>45</sup> / <sub>61</sub>	3 <sup>1</sup> / <sub>2</sub>	59 <sup>1</sup> / <sub>61</sub>	3 <sup>11</sup> / <sub>16</sub>	62 <sup>18</sup> / <sub>61</sub>	3 <sup>7</sup> / <sub>8</sub>
63	38 <sup>2</sup> / <sub>21</sub>	2 <sup>3</sup> / <sub>8</sub>	41 <sup>1</sup> / <sub>4</sub>	2 <sup>9</sup> / <sub>16</sub>	44 <sup>4</sup> / <sub>9</sub>	2 <sup>3</sup> / <sub>4</sub>	47 <sup>13</sup> / <sub>21</sub>	3	50 <sup>50</sup> / <sub>63</sub>	3 <sup>1</sup> / <sub>8</sub>	53 <sup>61</sup> / <sub>63</sub>	3 <sup>3</sup> / <sub>8</sub>	57 <sup>1</sup> / <sub>7</sub>	3 <sup>9</sup> / <sub>16</sub>	61	3 <sup>13</sup> / <sub>16</sub>
65	36 <sup>12</sup> / <sub>13</sub>	2 <sup>5</sup> / <sub>16</sub>	40	2 <sup>1</sup> / <sub>2</sub>	43 <sup>1</sup> / <sub>13</sub>	2 <sup>11</sup> / <sub>16</sub>	46 <sup>2</sup> / <sub>13</sub>	2 <sup>7</sup> / <sub>8</sub>	49 <sup>3</sup> / <sub>13</sub>	3 <sup>1</sup> / <sub>16</sub>	52 <sup>4</sup> / <sub>13</sub>	3 <sup>1</sup> / <sub>4</sub>	55 <sup>5</sup> / <sub>13</sub>	3 <sup>7</sup> / <sub>16</sub>	58 <sup>6</sup> / <sub>13</sub>	3 <sup>5</sup> / <sub>8</sub>
67	35 <sup>55</sup> / <sub>67</sub>	2 <sup>1</sup> / <sub>4</sub>	38 <sup>54</sup> / <sub>67</sub>	2 <sup>7</sup> / <sub>16</sub>	41 <sup>53</sup> / <sub>67</sub>	2 <sup>9</sup> / <sub>16</sub>	44 <sup>54</sup> / <sub>67</sub>	2 <sup>13</sup> / <sub>16</sub>	47 <sup>51</sup> / <sub>67</sub>	3	50 <sup>50</sup> / <sub>67</sub>	3 <sup>1</sup> / <sub>8</sub>	53 <sup>49</sup> / <sub>67</sub>	3 <sup>3</sup> / <sub>8</sub>	57	3 <sup>9</sup> / <sub>16</sub>
69	34 <sup>54</sup> / <sub>69</sub>	2 <sup>3</sup> / <sub>4</sub>	37 <sup>47</sup> / <sub>69</sub>	2 <sup>3</sup> / <sub>8</sub>	40 <sup>40</sup> / <sub>69</sub>	2 <sup>9</sup> / <sub>16</sub>	43 <sup>11</sup> / <sub>23</sub>	2 <sup>3</sup> / <sub>4</sub>	46 <sup>26</sup> / <sub>69</sub>	2 <sup>7</sup> / <sub>8</sub>	49 <sup>19</sup> / <sub>67</sub>	3 <sup>1</sup> / <sub>16</sub>	52 <sup>4</sup> / <sub>23</sub>	3 <sup>1</sup> / <sub>4</sub>	55	3 <sup>7</sup> / <sub>16</sub>
71	33 <sup>57</sup> / <sub>71</sub>	2 <sup>1</sup> / <sub>16</sub>	36 <sup>44</sup> / <sub>71</sub>	2 <sup>1</sup> / <sub>4</sub>	39 <sup>31</sup> / <sub>71</sub>	2 <sup>7</sup> / <sub>16</sub>	42 <sup>18</sup> / <sub>71</sub>	2 <sup>5</sup> / <sub>8</sub>	45 <sup>5</sup> / <sub>71</sub>	2 <sup>13</sup> / <sub>16</sub>	47 <sup>63</sup> / <sub>71</sub>	2 <sup>15</sup> / <sub>16</sub>	50 <sup>50</sup> / <sub>71</sub>	3 <sup>1</sup> / <sub>8</sub>	54	3 <sup>3</sup> / <sub>8</sub>

o/ of Clean Wool.	40 Cents per lbs.		42 Cents per lbs.		44 Cents per lbs.		46 Cents per lbs.		49 Cents per lbs.		51 Cents per lbs.		53 Cents per lbs.		55 Cents per lbs.	
	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.	Clean per lbs.	Clean per oz.
30	133 <sup>1</sup> / <sub>3</sub>	8 <sup>5</sup> / <sub>16</sub>	140	8 <sup>3</sup> / <sub>4</sub>	147	9 <sup>3</sup> / <sub>16</sub>	153 <sup>1</sup> / <sub>3</sub>	9 <sup>9</sup> / <sub>16</sub>	163 <sup>1</sup> / <sub>3</sub>	10 <sup>3</sup> / <sub>16</sub>	170	10 <sup>5</sup> / <sub>8</sub>	176 <sup>2</sup> / <sub>3</sub>	11	183 <sup>1</sup> / <sub>3</sub>	11 <sup>7</sup> / <sub>16</sub>
32	125	7 <sup>13</sup> / <sub>16</sub>	131	8 <sup>3</sup> / <sub>16</sub>	137 <sup>1</sup> / <sub>2</sub>	8 <sup>9</sup> / <sub>16</sub>	143 <sup>3</sup> / <sub>4</sub>	9	153 <sup>1</sup> / <sub>8</sub>	9 <sup>9</sup> / <sub>16</sub>	159 <sup>3</sup> / <sub>8</sub>	9 <sup>15</sup> / <sub>16</sub>	165 <sup>5</sup> / <sub>8</sub>	10 <sup>5</sup> / <sub>16</sub>	171 <sup>7</sup> / <sub>8</sub>	10 <sup>11</sup> / <sub>16</sub>
34	118	7 <sup>3</sup> / <sub>8</sub>	123 <sup>9</sup> / <sub>17</sub>	7 <sup>11</sup> / <sub>16</sub>	129 <sup>7</sup> / <sub>19</sub>	8 <sup>1</sup> / <sub>16</sub>	135 <sup>5</sup> / <sub>17</sub>	8 <sup>7</sup> / <sub>16</sub>	144 <sup>2</sup> / <sub>17</sub>	9	150	9 <sup>3</sup> / <sub>8</sub>	155 <sup>15</sup> / <sub>17</sub>	9 <sup>11</sup> / <sub>16</sub>	161 <sup>13</sup> / <sub>17</sub>	10 <sup>1</sup> / <sub>16</sub>
36	111	6 <sup>15</sup> / <sub>16</sub>	116 <sup>2</sup> / <sub>3</sub>	7 <sup>1</sup> / <sub>4</sub>	122 <sup>2</sup> / <sub>9</sub>	7 <sup>5</sup> / <sub>8</sub>	127 <sup>7</sup> / <sub>9</sub>	8	136 <sup>1</sup> / <sub>9</sub>	8 <sup>1</sup> / <sub>2</sub>	141 <sup>2</sup> / <sub>3</sub>	8 <sup>13</sup> / <sub>16</sub>	147 <sup>2</sup> / <sub>9</sub>	9 <sup>3</sup> / <sub>16</sub>	152 <sup>7</sup> / <sub>9</sub>	9 <sup>1</sup> / <sub>2</sub>
38	105 <sup>5</sup> / <sub>19</sub>	6 <sup>9</sup> / <sub>16</sub>	110 <sup>10</sup> / <sub>19</sub>	6 <sup>7</sup> / <sub>8</sub>	116	7 <sup>1</sup> / <sub>4</sub>	121 <sup>1</sup> / <sub>19</sub>	7 <sup>9</sup> / <sub>16</sub>	129	8 <sup>1</sup> / <sub>16</sub>	134 <sup>4</sup> / <sub>19</sub>	8 <sup>3</sup> / <sub>8</sub>	139 <sup>9</sup> / <sub>19</sub>	8 <sup>11</sup> / <sub>16</sub>	144 <sup>14</sup> / <sub>19</sub>	9
40	100	6 <sup>1</sup> / <sub>4</sub>	105	6 <sup>9</sup> / <sub>16</sub>	110	6 <sup>7</sup> / <sub>8</sub>	115	7 <sup>3</sup> / <sub>16</sub>	122 <sup>1</sup> / <sub>2</sub>	7 <sup>5</sup> / <sub>8</sub>	127 <sup>1</sup> / <sub>2</sub>	7 <sup>15</sup> / <sub>16</sub>	132 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>4</sub>	137 <sup>1</sup> / <sub>2</sub>	8 <sup>9</sup> / <sub>16</sub>
42	95 <sup>5</sup> / <sub>21</sub>	5 <sup>15</sup> / <sub>16</sub>	100	6 <sup>1</sup> / <sub>4</sub>	105	6 <sup>9</sup> / <sub>16</sub>	109 <sup>11</sup> / <sub>21</sub>	6 <sup>13</sup> / <sub>16</sub>	116 <sup>2</sup> / <sub>3</sub>	7 <sup>5</sup> / <sub>16</sub>	121 <sup>3</sup> / <sub>7</sub>	7 <sup>9</sup> / <sub>16</sub>	126 <sup>4</sup> / <sub>21</sub>	7 <sup>7</sup> / <sub>8</sub>	130 <sup>20</sup> / <sub>21</sub>	8 <sup>1</sup> / <sub>8</sub>
44	91	5 <sup>11</sup> / <sub>16</sub>	95 <sup>5</sup> / <sub>11</sub>	5 <sup>11</sup> / <sub>16</sub>	100	6 <sup>1</sup> / <sub>4</sub>	104 <sup>6</sup> / <sub>11</sub>	6 <sup>1</sup> / <sub>2</sub>	111 <sup>4</sup> / <sub>11</sub>	7 <sup>7</sup> / <sub>16</sub>	115 <sup>10</sup> / <sub>11</sub>	7 <sup>3</sup> / <sub>16</sub>	120 <sup>5</sup> / <sub>11</sub>	7 <sup>3</sup> / <sub>2</sub>	125	7 <sup>13</sup> / <sub>16</sub>
46	87	5 <sup>7</sup> / <sub>16</sub>	91 <sup>7</sup> / <sub>23</sub>	5 <sup>11</sup> / <sub>16</sub>	95 <sup>15</sup> / <sub>23</sub>	6	100	6 <sup>1</sup> / <sub>4</sub>	106 <sup>12</sup> / <sub>23</sub>	6 <sup>5</sup> / <sub>8</sub>	110 <sup>20</sup> / <sub>23</sub>	6 <sup>7</sup> / <sub>8</sub>	115 <sup>5</sup> / <sub>23</sub>	7 <sup>3</sup> / <sub>16</sub>	119 <sup>13</sup> / <sub>23</sub>	7 <sup>7</sup> / <sub>16</sub>
48	83	5 <sup>3</sup> / <sub>16</sub>	87 <sup>1</sup> / <sub>2</sub>	5 <sup>7</sup> / <sub>16</sub>	91 <sup>2</sup> / <sub>3</sub>	5 <sup>3</sup> / <sub>4</sub>	95 <sup>5</sup> / <sub>6</sub>	6	102 <sup>1</sup> / <sub>12</sub>	6 <sup>3</sup> / <sub>8</sub>	104 <sup>1</sup> / <sub>6</sub>	6 <sup>1</sup> / <sub>2</sub>	110 <sup>5</sup> / <sub>12</sub>	6 <sup>7</sup> / <sub>8</sub>	114 <sup>7</sup> / <sub>12</sub>	7 <sup>1</sup> / <sub>8</sub>
50	80	5	84	5 <sup>1</sup> / <sub>4</sub>	88	5 <sup>1</sup> / <sub>2</sub>	92	5 <sup>3</sup> / <sub>4</sub>	98	6 <sup>1</sup> / <sub>8</sub>	102	6 <sup>3</sup> / <sub>8</sub>	106	6 <sup>5</sup> / <sub>8</sub>	110	6 <sup>7</sup> / <sub>8</sub>
52	77	4 <sup>13</sup> / <sub>16</sub>	81	5 <sup>1</sup> / <sub>16</sub>	84 <sup>8</sup> / <sub>13</sub>	5 <sup>1</sup> / <sub>4</sub>	88 <sup>6</sup> / <sub>13</sub>	5 <sup>1</sup> / <sub>2</sub>	94 <sup>3</sup> / <sub>13</sub>	5 <sup>7</sup> / <sub>8</sub>	96 <sup>1</sup> / <sub>3</sub>	6 <sup>1</sup> / <sub>8</sub>	101 <sup>12</sup> / <sub>13</sub>	6 <sup>5</sup> / <sub>16</sub>	105 <sup>10</sup> / <sub>13</sub>	6 <sup>9</sup> / <sub>16</sub>
54	74	4 <sup>5</sup> / <sub>8</sub>	78	4 <sup>7</sup> / <sub>8</sub>	81 <sup>13</sup> / <sub>27</sub>	5 <sup>1</sup> / <sub>16</sub>	85 <sup>5</sup> / <sub>27</sub>	5 <sup>5</sup> / <sub>16</sub>	90 <sup>20</sup> / <sub>27</sub>	5 <sup>11</sup> / <sub>16</sub>	94 <sup>2</sup> / <sub>3</sub>	5 <sup>7</sup> / <sub>8</sub>	98 <sup>4</sup> / <sub>27</sub>	6 <sup>1</sup> / <sub>8</sub>	101 <sup>23</sup> / <sub>27</sub>	6 <sup>5</sup> / <sub>16</sub>
56	71 <sup>3</sup> / <sub>7</sub>	4 <sup>7</sup> / <sub>16</sub>	75	4 <sup>11</sup> / <sub>16</sub>	76 <sup>11</sup> / <sub>14</sub>	4 <sup>13</sup> / <sub>16</sub>	82 <sup>1</sup> / <sub>7</sub>	5 <sup>1</sup> / <sub>8</sub>	87 <sup>1</sup> / <sub>2</sub>	5 <sup>7</sup> / <sub>16</sub>	91 <sup>1</sup> / <sub>14</sub>	5 <sup>11</sup> / <sub>16</sub>	94 <sup>9</sup> / <sub>14</sub>	5 <sup>7</sup> / <sub>8</sub>	98 <sup>3</sup> / <sub>14</sub>	6 <sup>1</sup> / <sub>8</sub>
58	69	4 <sup>5</sup> / <sub>16</sub>	72 <sup>12</sup> / <sub>29</sub>	4 <sup>1</sup> / <sub>2</sub>	75 <sup>25</sup> / <sub>29</sub>	4 <sup>3</sup> / <sub>4</sub>	79 <sup>9</sup> / <sub>29</sub>	5	84 <sup>14</sup> / <sub>29</sub>	5 <sup>1</sup> / <sub>4</sub>	87 <sup>27</sup> / <sub>29</sub>	5 <sup>7</sup> / <sub>16</sub>	91 <sup>11</sup> / <sub>29</sub>	5 <sup>11</sup> / <sub>16</sub>	94 <sup>24</sup> / <sub>29</sub>	5 <sup>7</sup> / <sub>8</sub>
60	67	4 <sup>3</sup> / <sub>16</sub>	70	4 <sup>3</sup> / <sub>8</sub>	73 <sup>1</sup> / <sub>3</sub>	4 <sup>9</sup> / <sub>16</sub>	76 <sup>2</sup> / <sub>3</sub>	4 <sup>13</sup> / <sub>16</sub>	81 <sup>2</sup> / <sub>3</sub>	5 <sup>1</sup> / <sub>16</sub>	85	5 <sup>5</sup> / <sub>16</sub>	88 <sup>1</sup> / <sub>3</sub>	5 <sup>1</sup> / <sub>2</sub>	91 <sup>2</sup> / <sub>3</sub>	5 <sup>11</sup> / <sub>16</sub>
61	66	4 <sup>1</sup> / <sub>8</sub>	69	4 <sup>5</sup> / <sub>16</sub>	72	4 <sup>1</sup> / <sub>2</sub>	75 <sup>25</sup> / <sub>61</sub>	4 <sup>11</sup> / <sub>16</sub>	80 <sup>1</sup> / <sub>3</sub>	5	83 <sup>37</sup> / <sub>61</sub>	5 <sup>3</sup> / <sub>16</sub>	86<			



3 Harness with 6 Chains.

3schäftig mit 6 Karten.

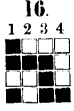
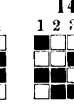
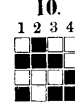
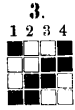
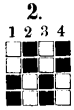
3 Harness with 6 Chains.



4 Harness with 4 Chains.

4schäftig mit 4 Karten.

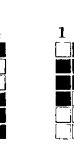
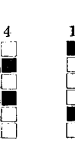
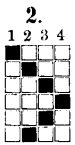
4 Harness with 4 Chains.



4 Harness with 6 Chains.

4schäftig mit 6 Karten.

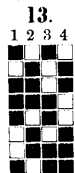
4 Harness with 6 Chains.



4 Harness with 8 Chains.

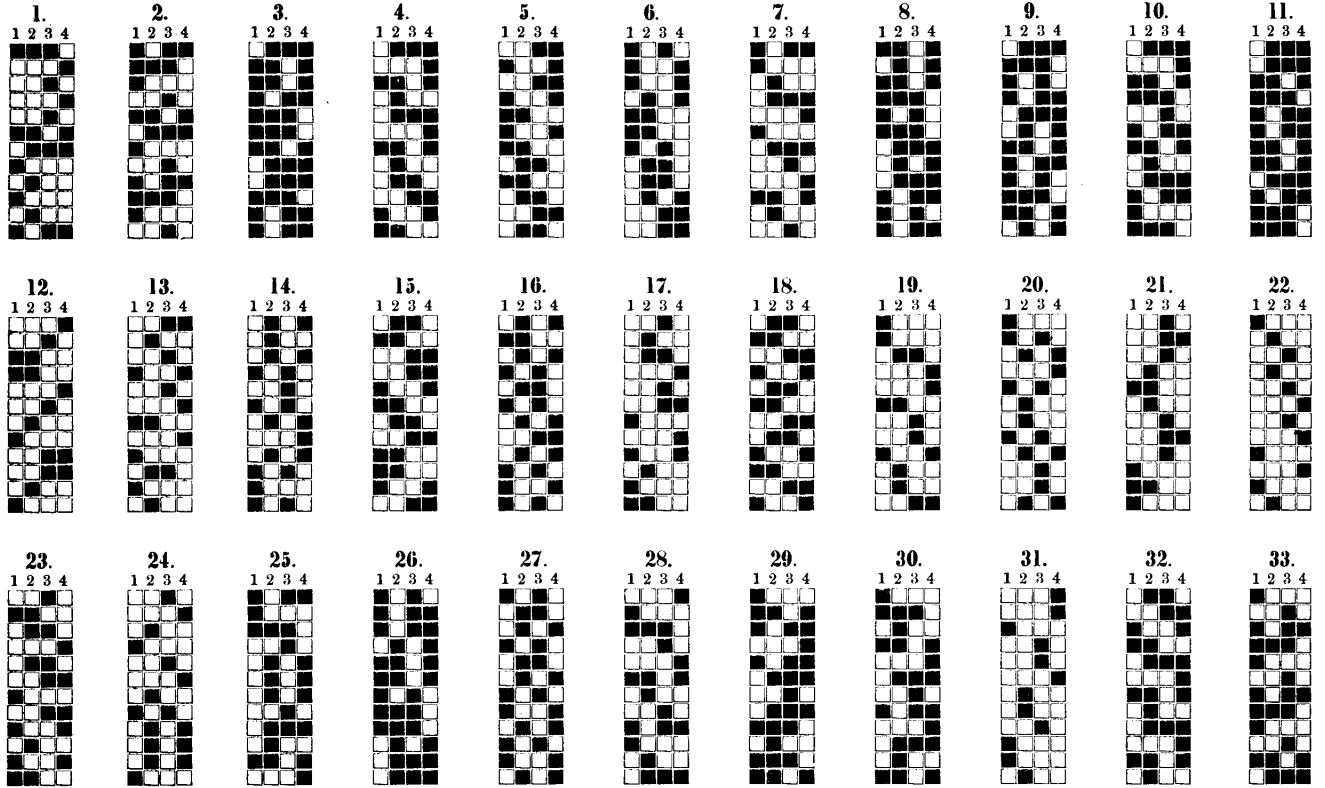
4schäftig mit 8 Karten.

4 Harness with 8 Chains.

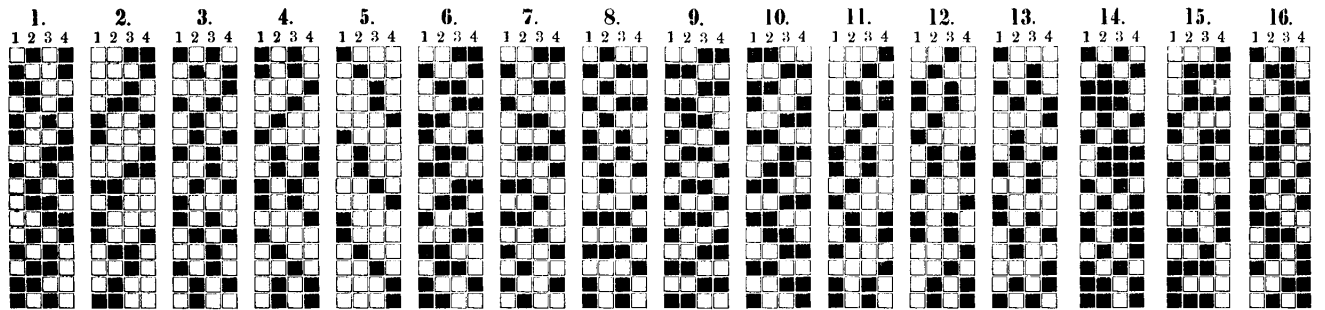




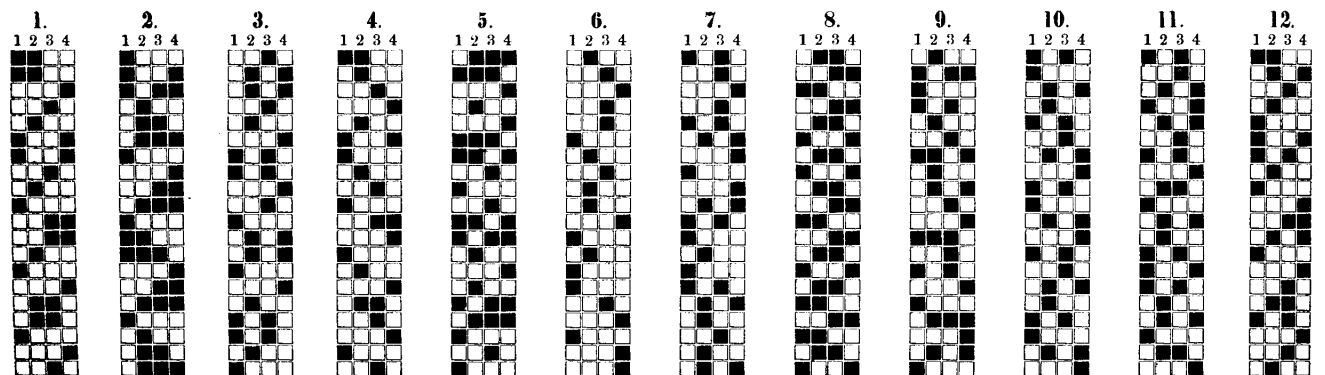
4 schäftig mit 12 Karten.



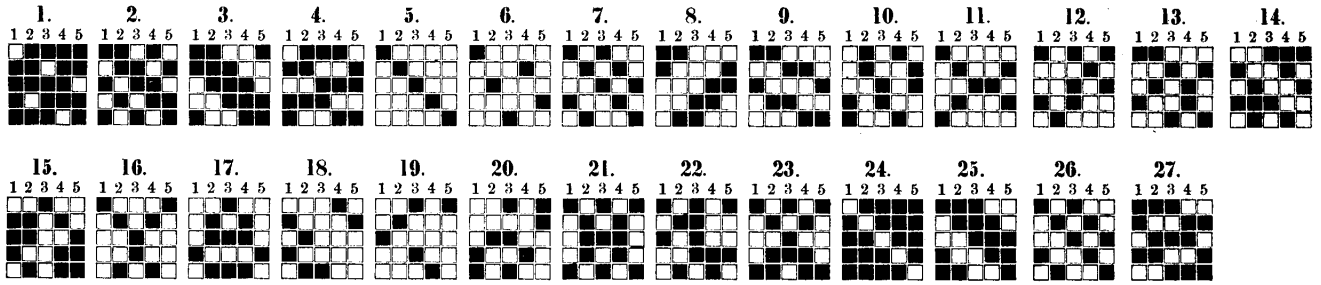
4 schäftig mit 16 Karten.



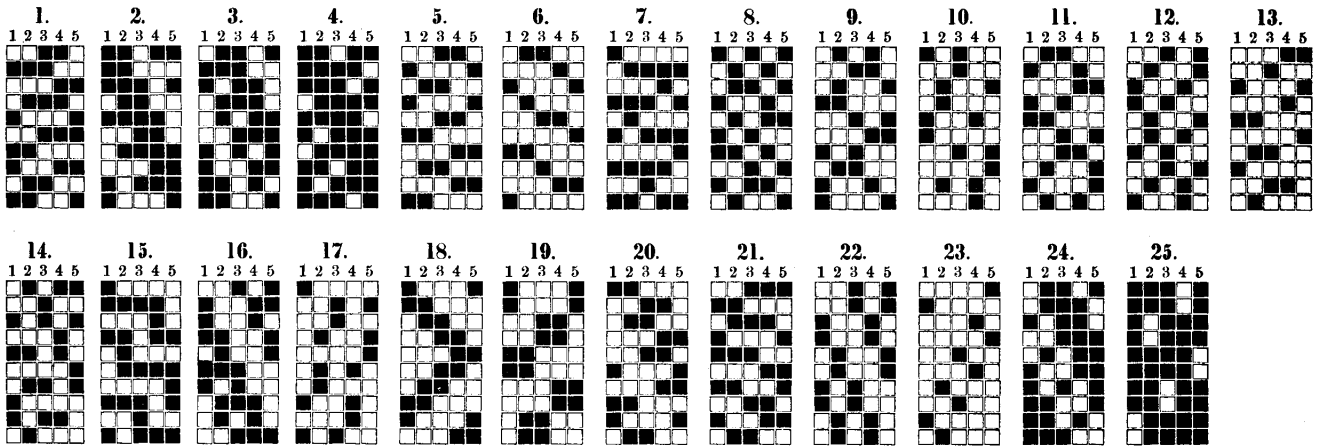
4 schäftig mit 20 Karten.



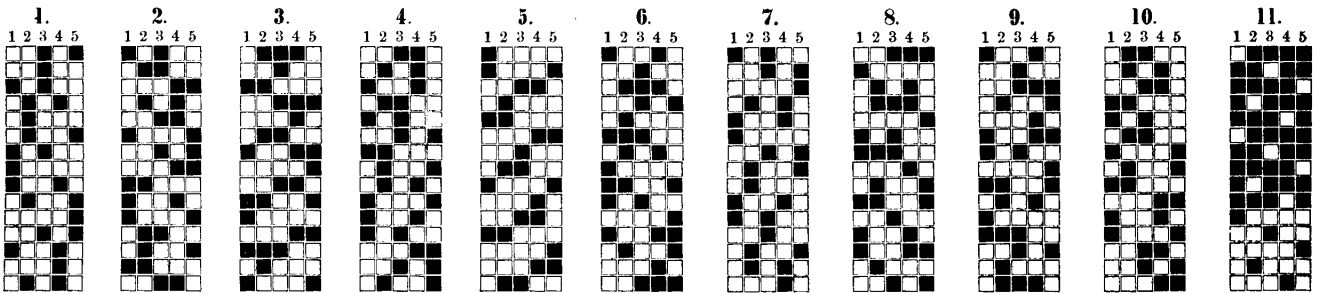
5schäftig mit 5 Karten.



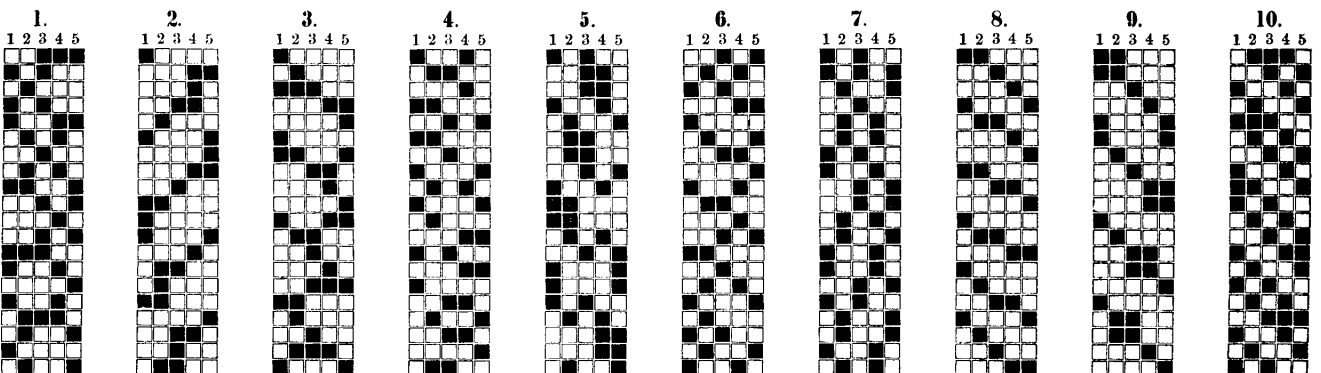
5schäftig mit 10 Karten.



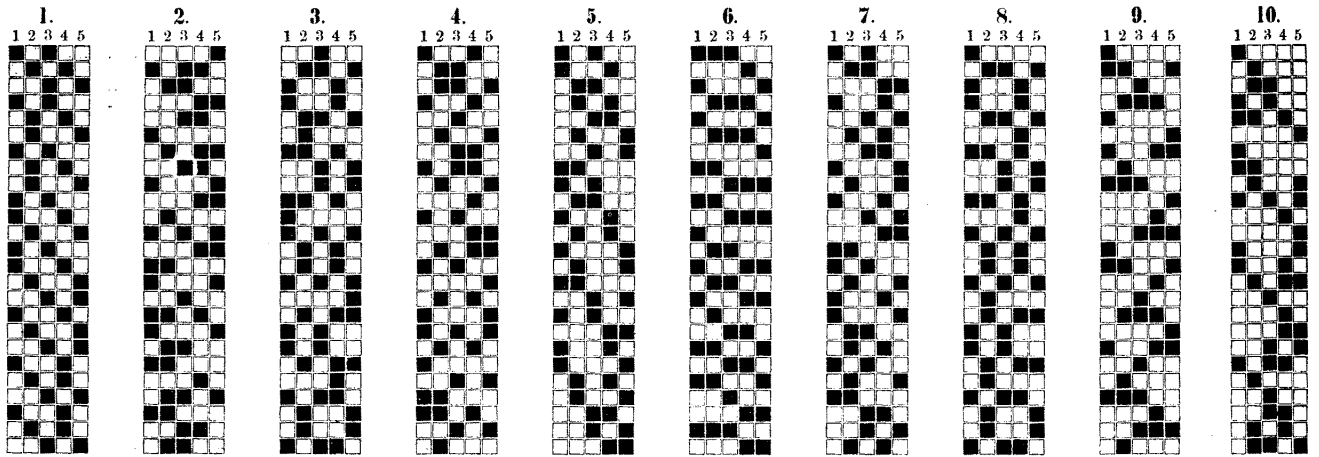
5schäftig mit 15 Karten.



5schäftig mit 20 Karten.



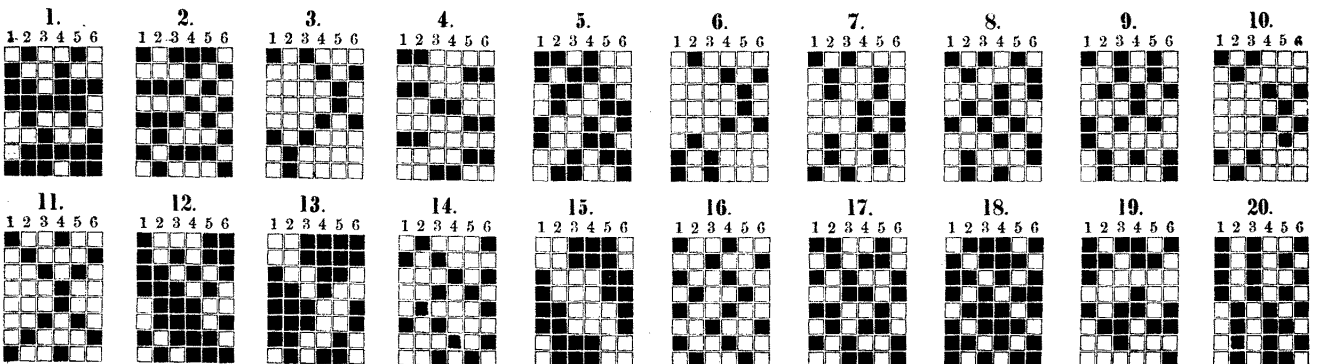
5schäftig mit 25 Karten.



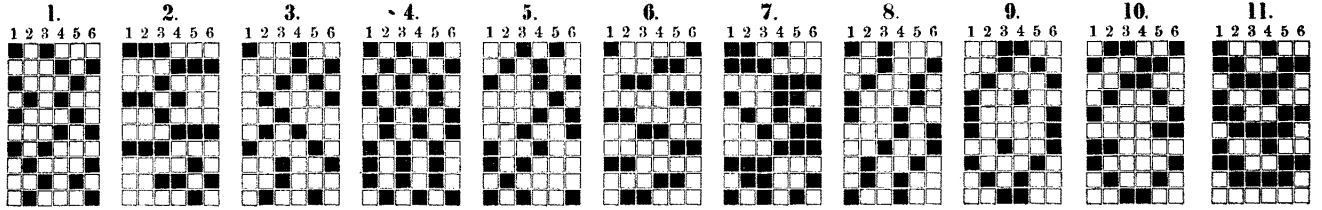
6schäftig mit 6 Karten.



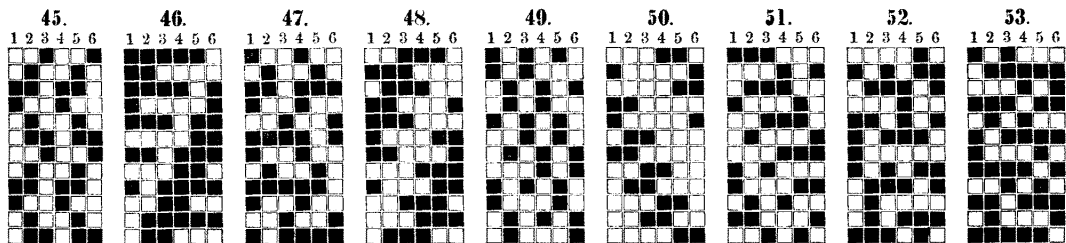
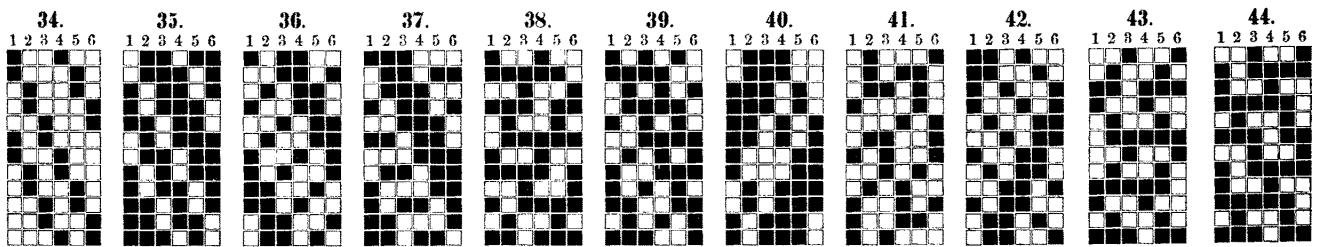
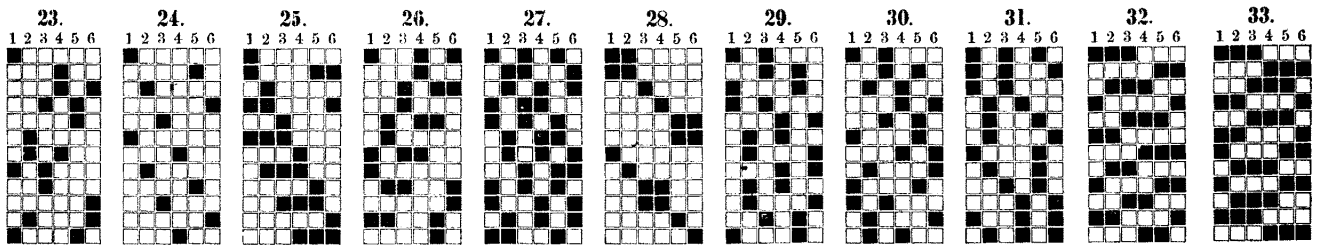
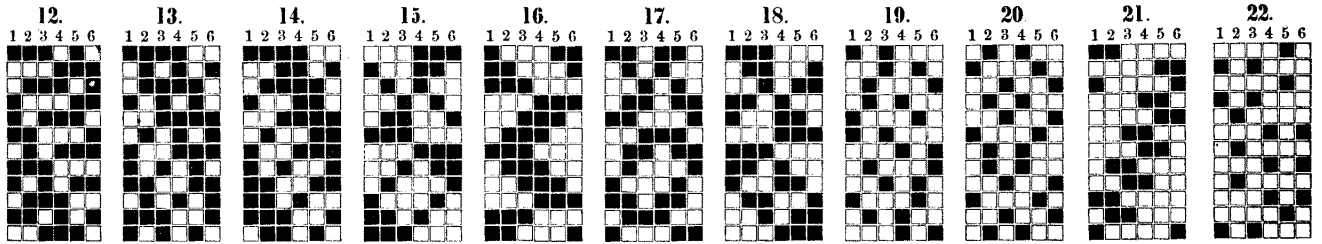
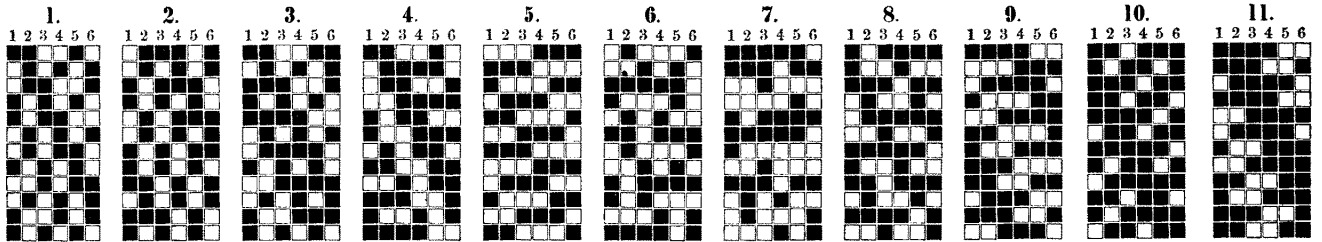
6schäftig mit 8 Karten.



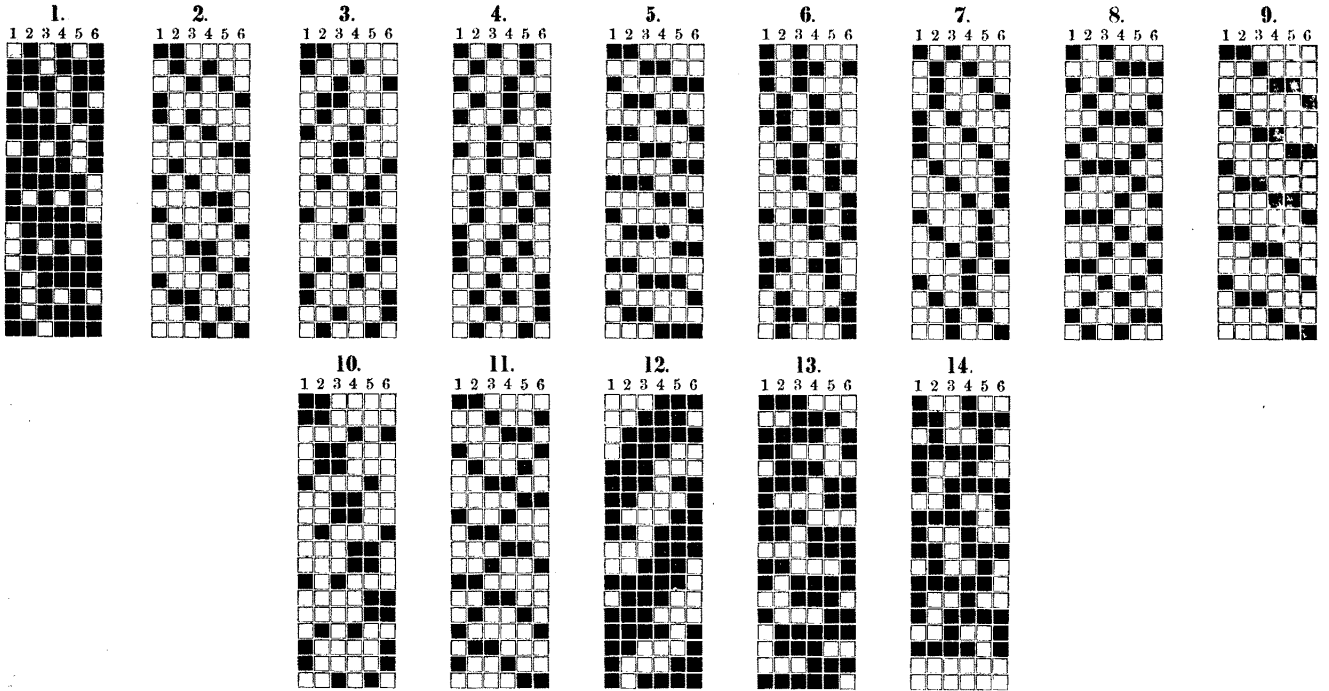
6schäftig mit 10 Karten.



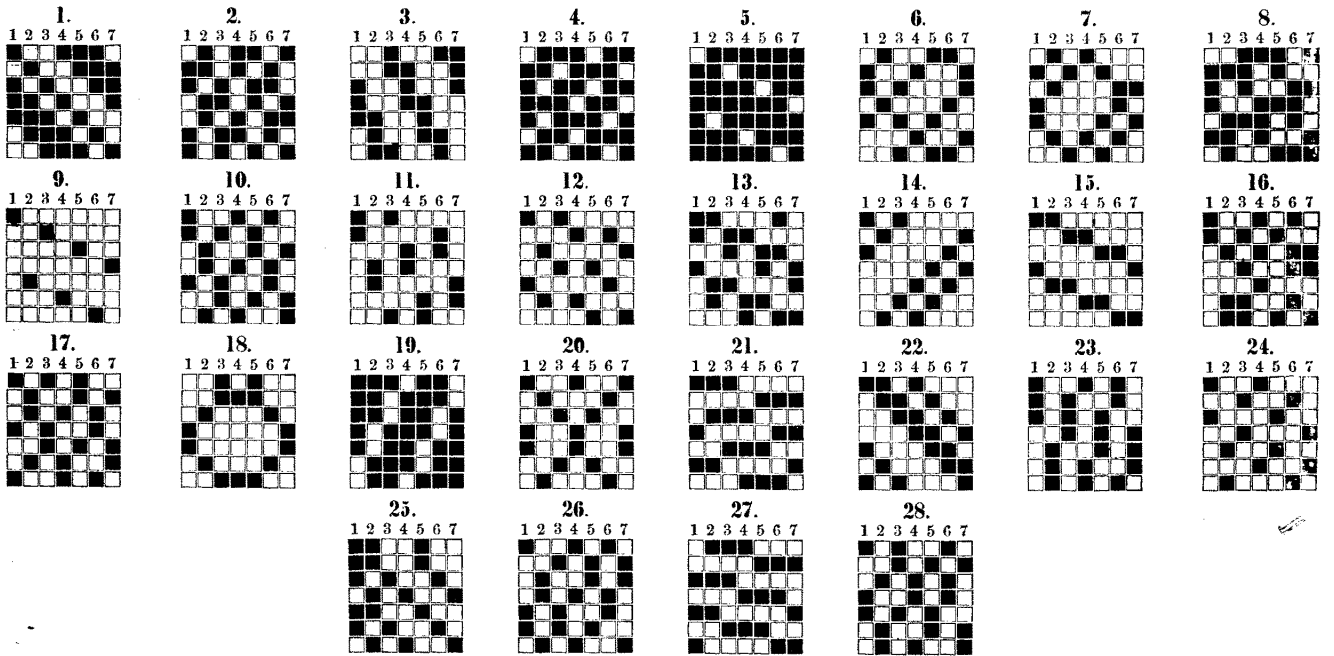
6schäftig mit 12 Karten.



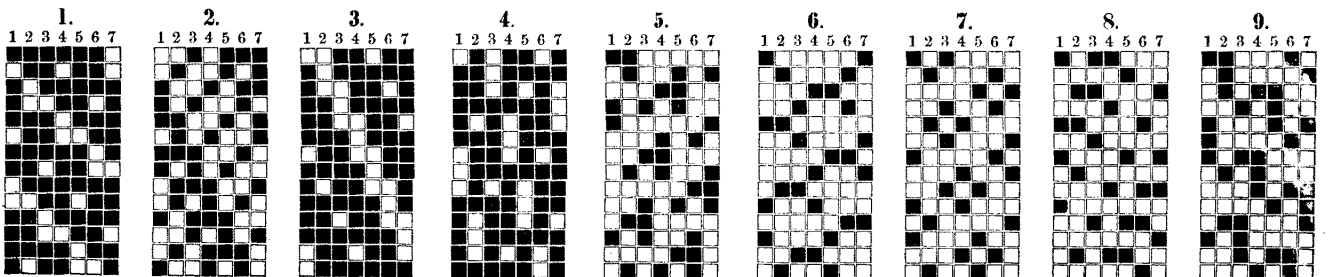
6schäftig mit 18 Karten.



7schäftig mit 7 Karten.

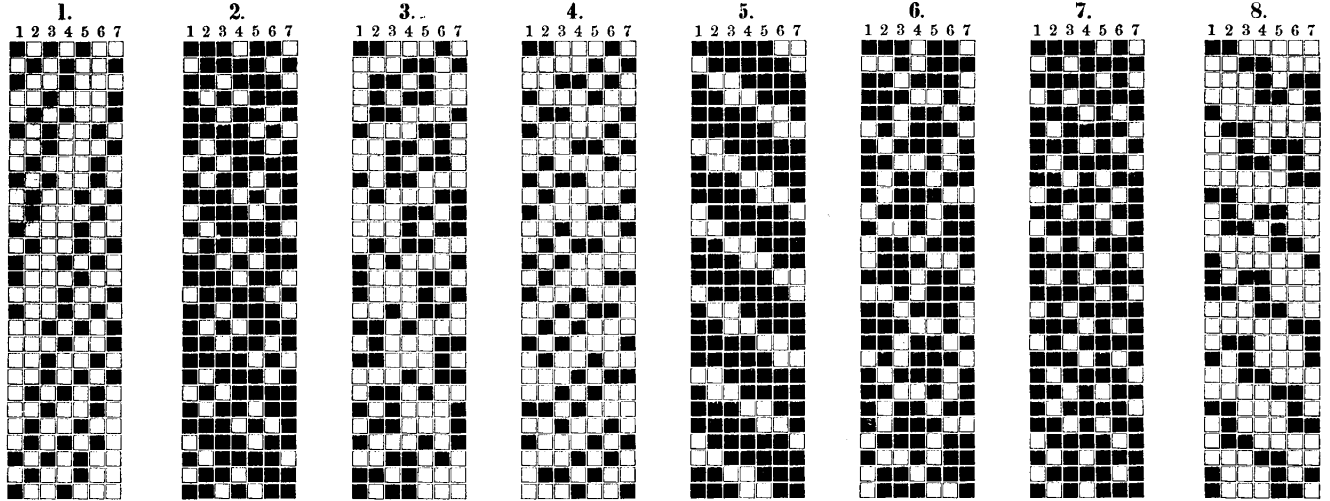


7schäftig mit 14 Karten.

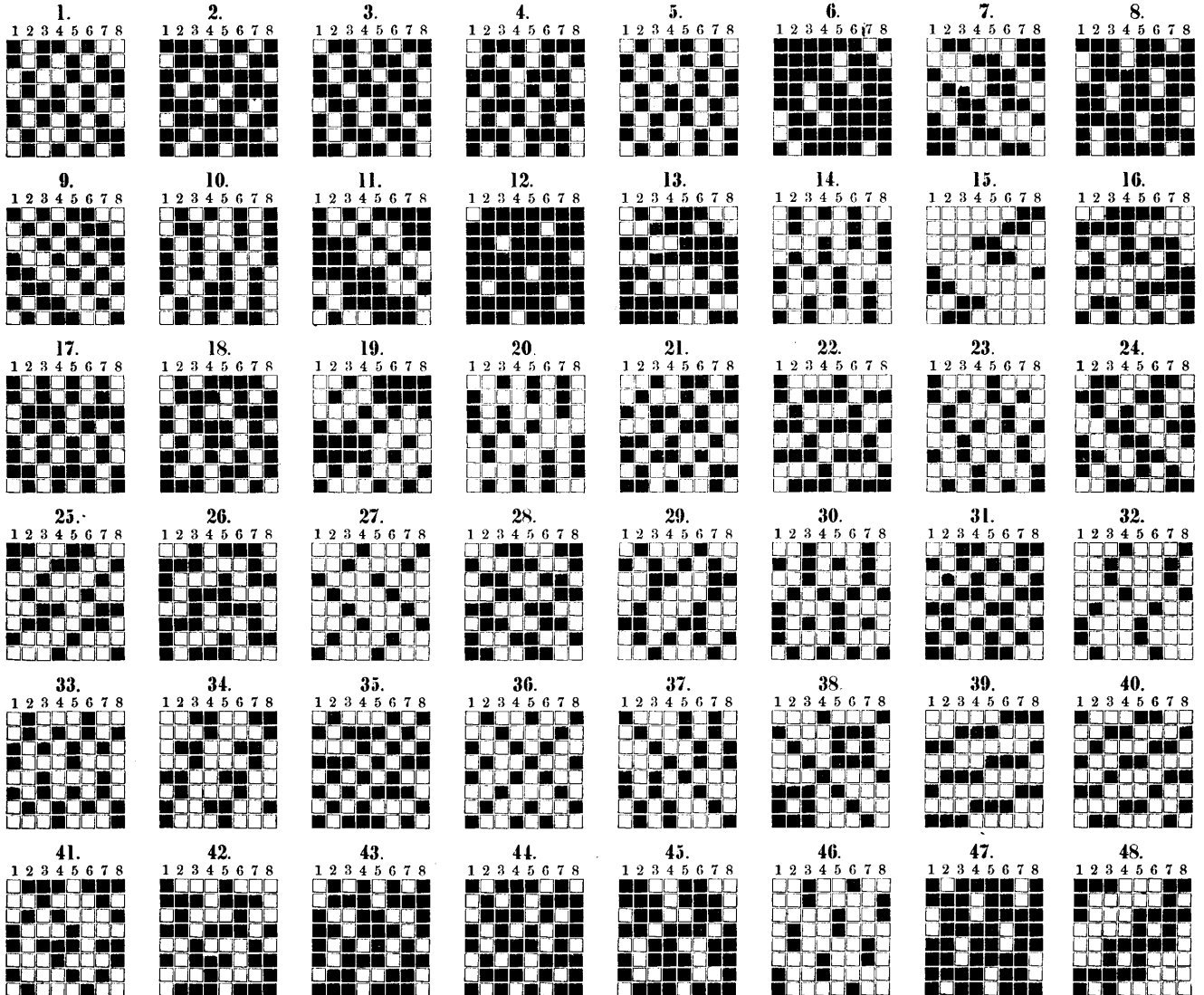




7schäftig mit 28 Karten.



8schäftig mit 8 Karten.



8 schäftig mit 8 Karten.

49. 50. 51. 52. 53. 54. 55. 56.

57. 58. 59. 60. 61. 62. 63. 64.

65. 66. 67. 68. 69. 70. 71. 72.

73. 74. 75. 76. 77. 78. 79. 80.

81. 82. 83. 84. 85. 86. 87. 88.

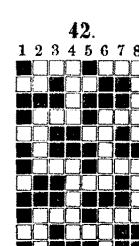
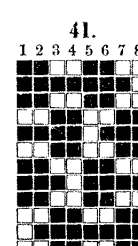
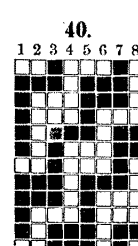
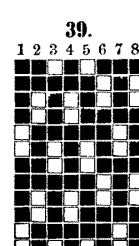
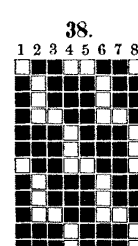
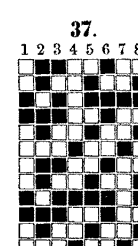
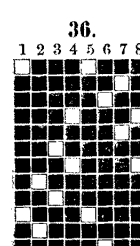
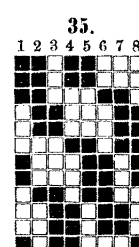
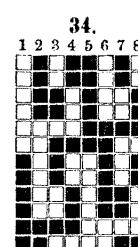
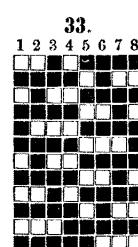
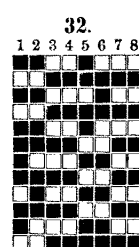
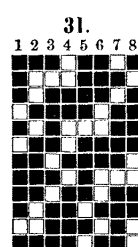
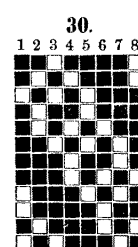
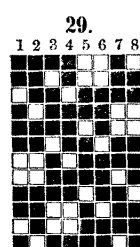
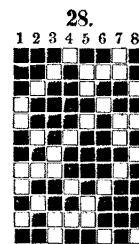
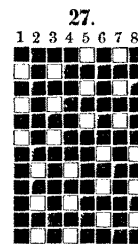
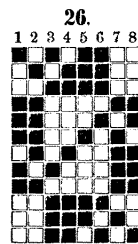
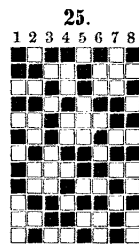
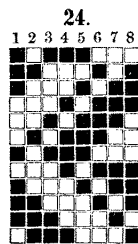
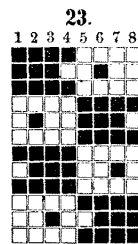
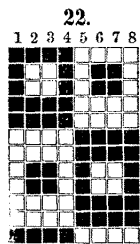
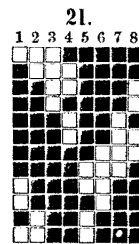
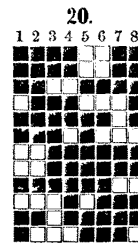
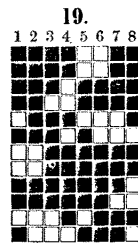
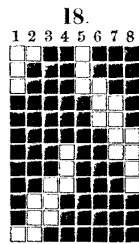
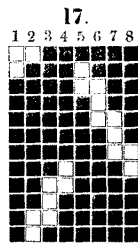
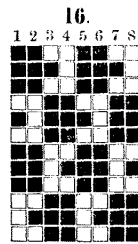
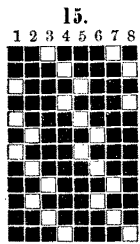
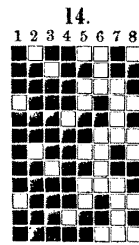
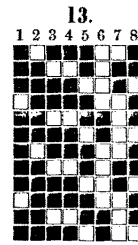
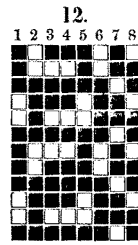
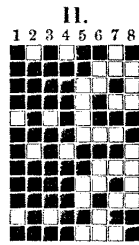
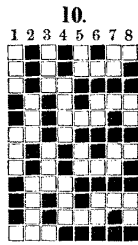
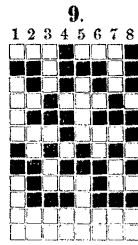
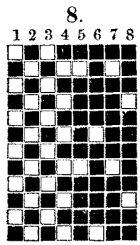
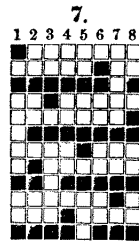
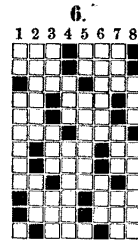
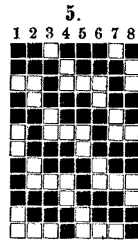
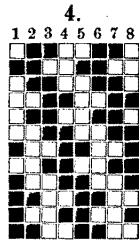
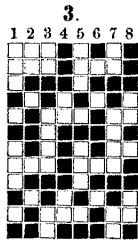
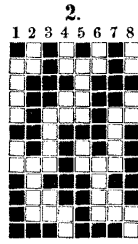
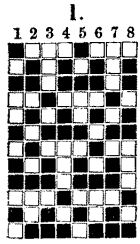
89. 90. 91. 92. 93. 94. 95. 96.

97. 98. 99. 100. 101. 102. 103. 104.

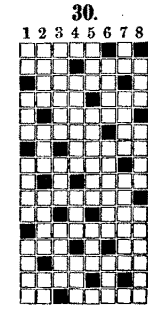
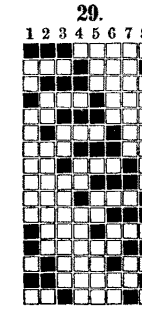
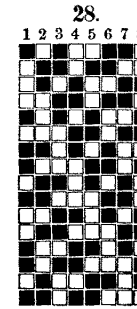
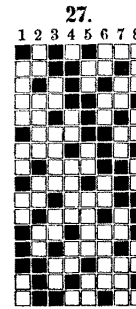
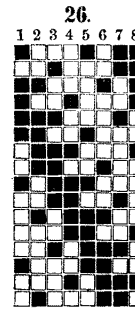
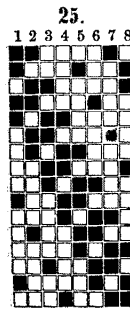
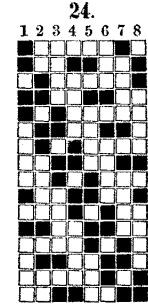
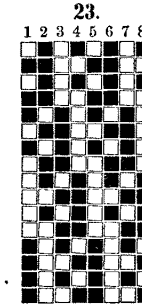
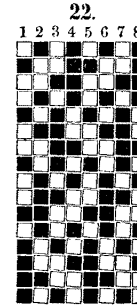
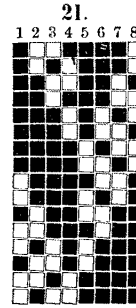
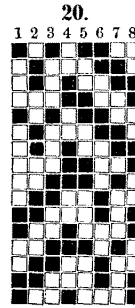
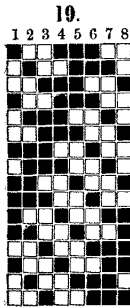
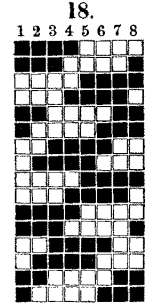
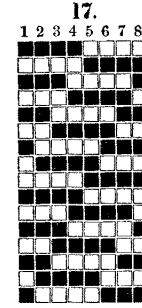
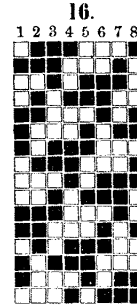
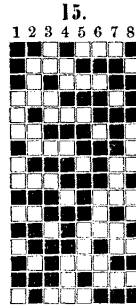
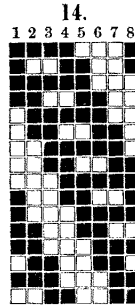
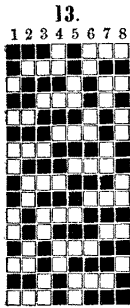
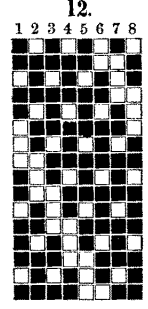
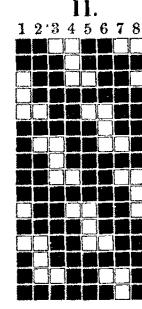
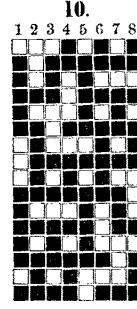
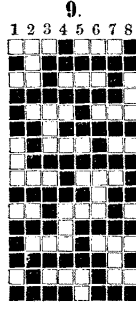
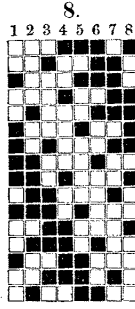
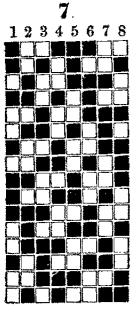
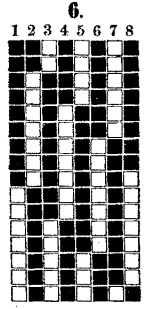
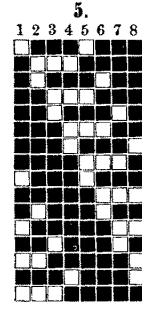
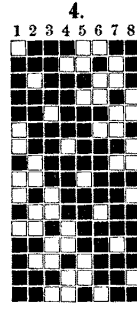
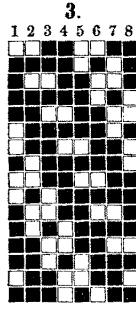
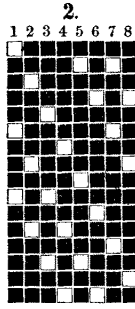
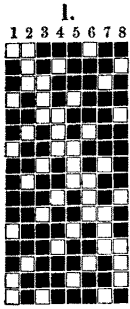
105. 106. 107. 108.



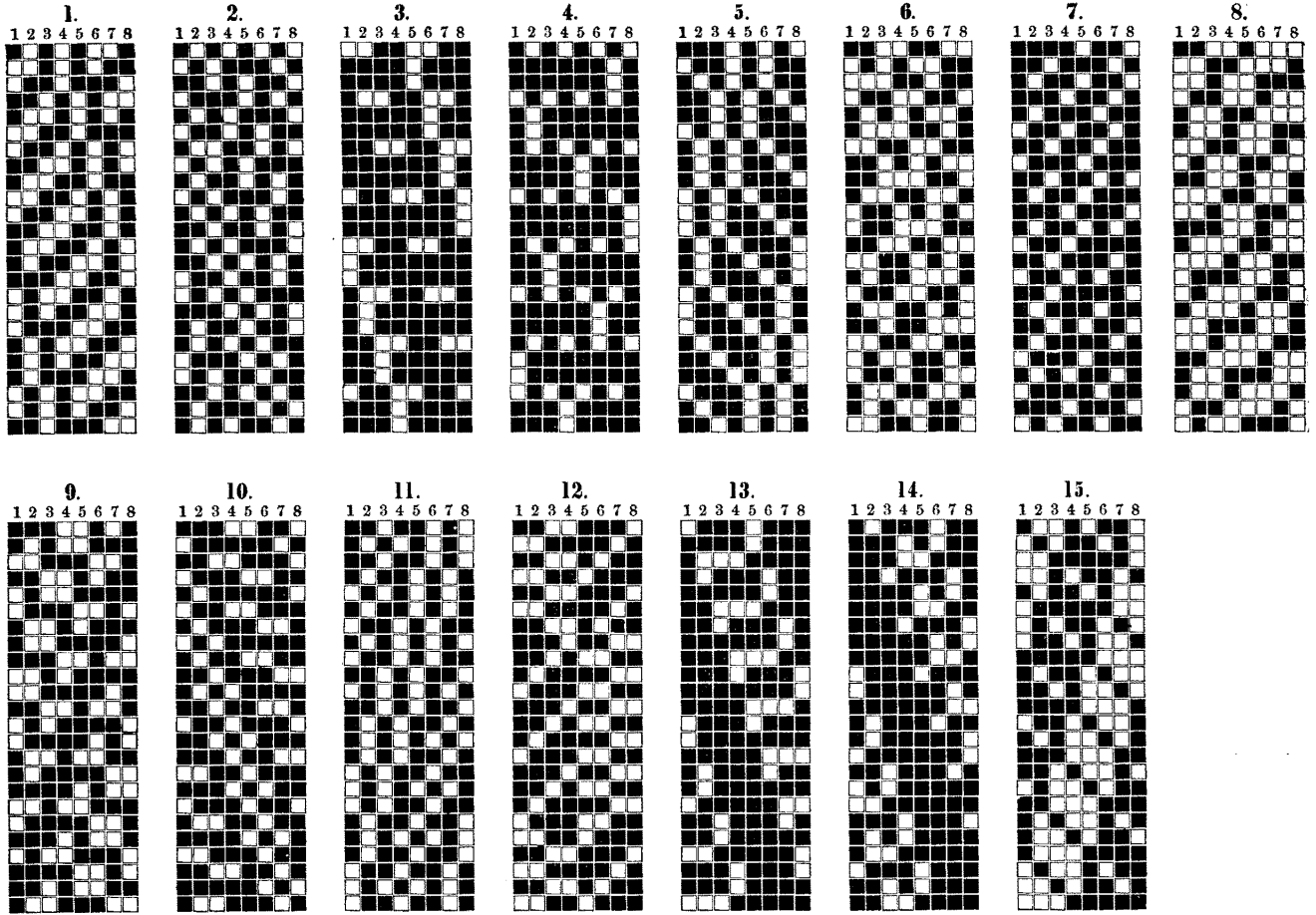
8schäftig mit 12 Karten.



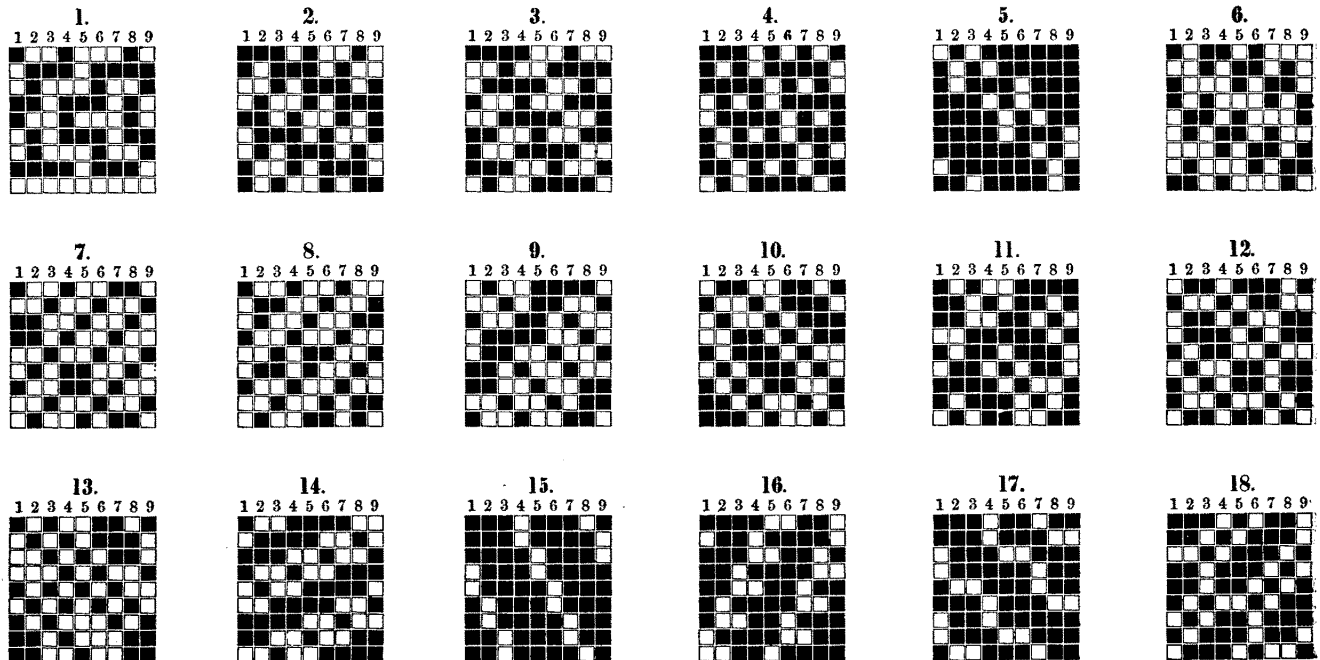
8schäftig mit 16 Karten.



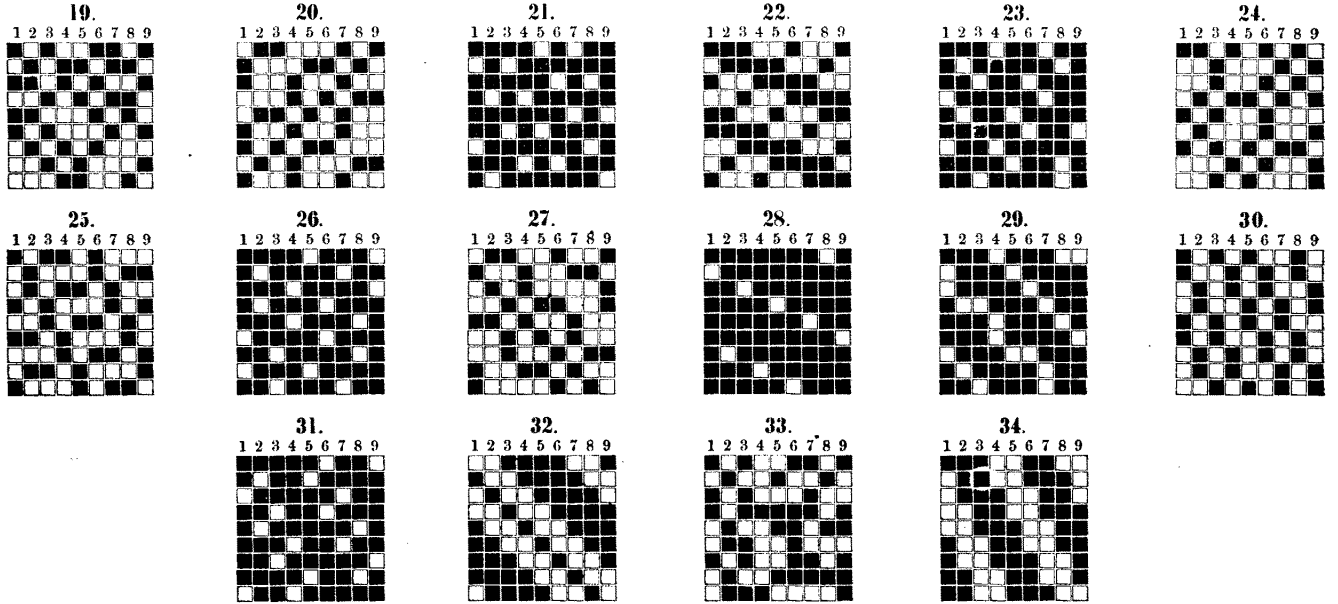
8schäftig mit 24 Karten.



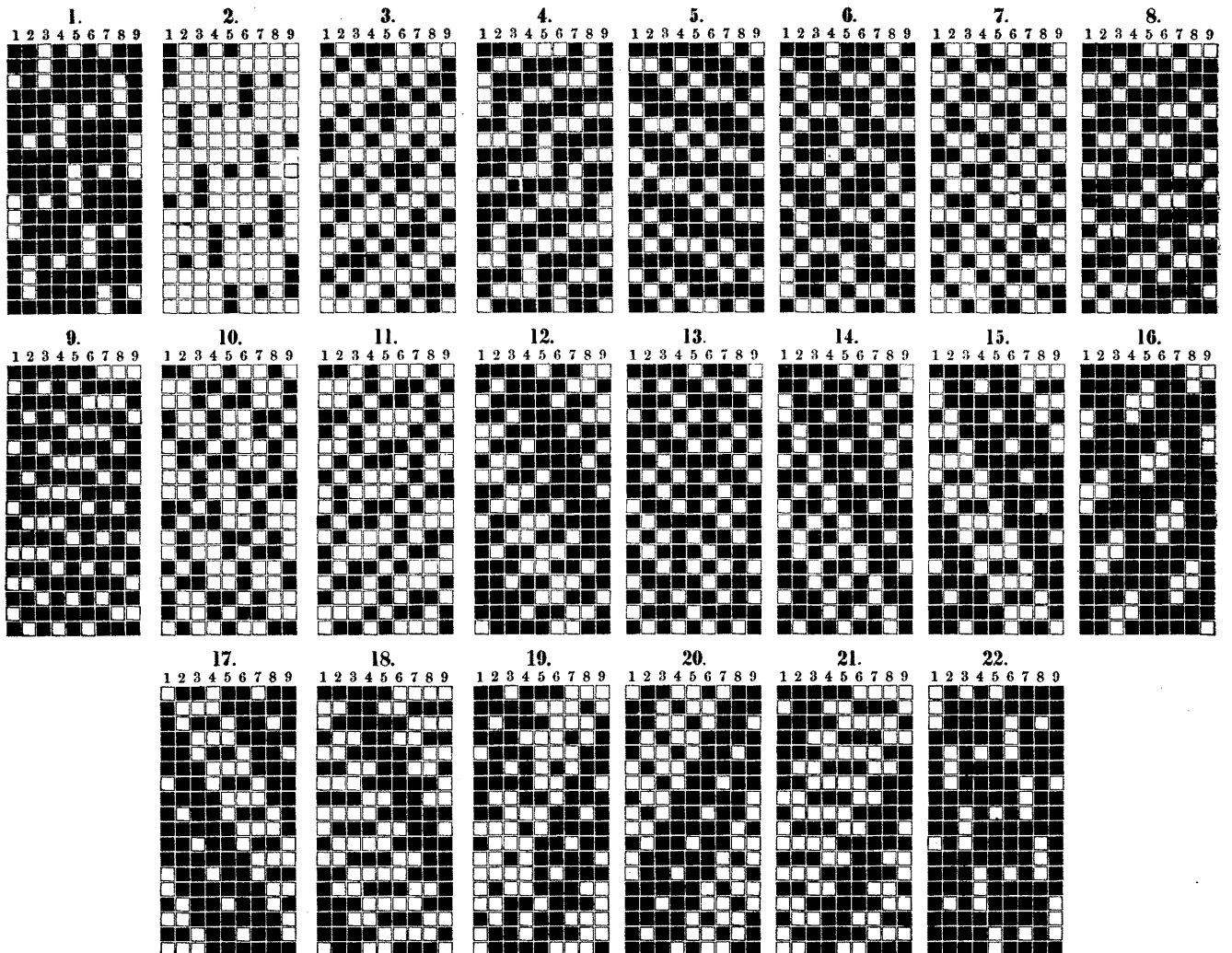
9schäftig mit 9 Karten.



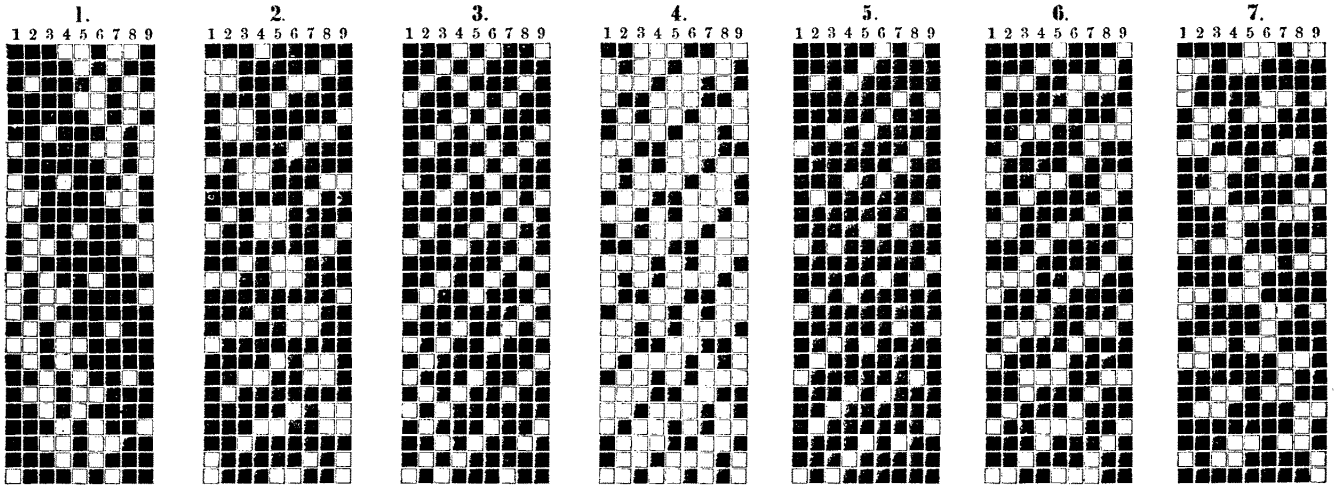
9schäftig mit 9 Karten.



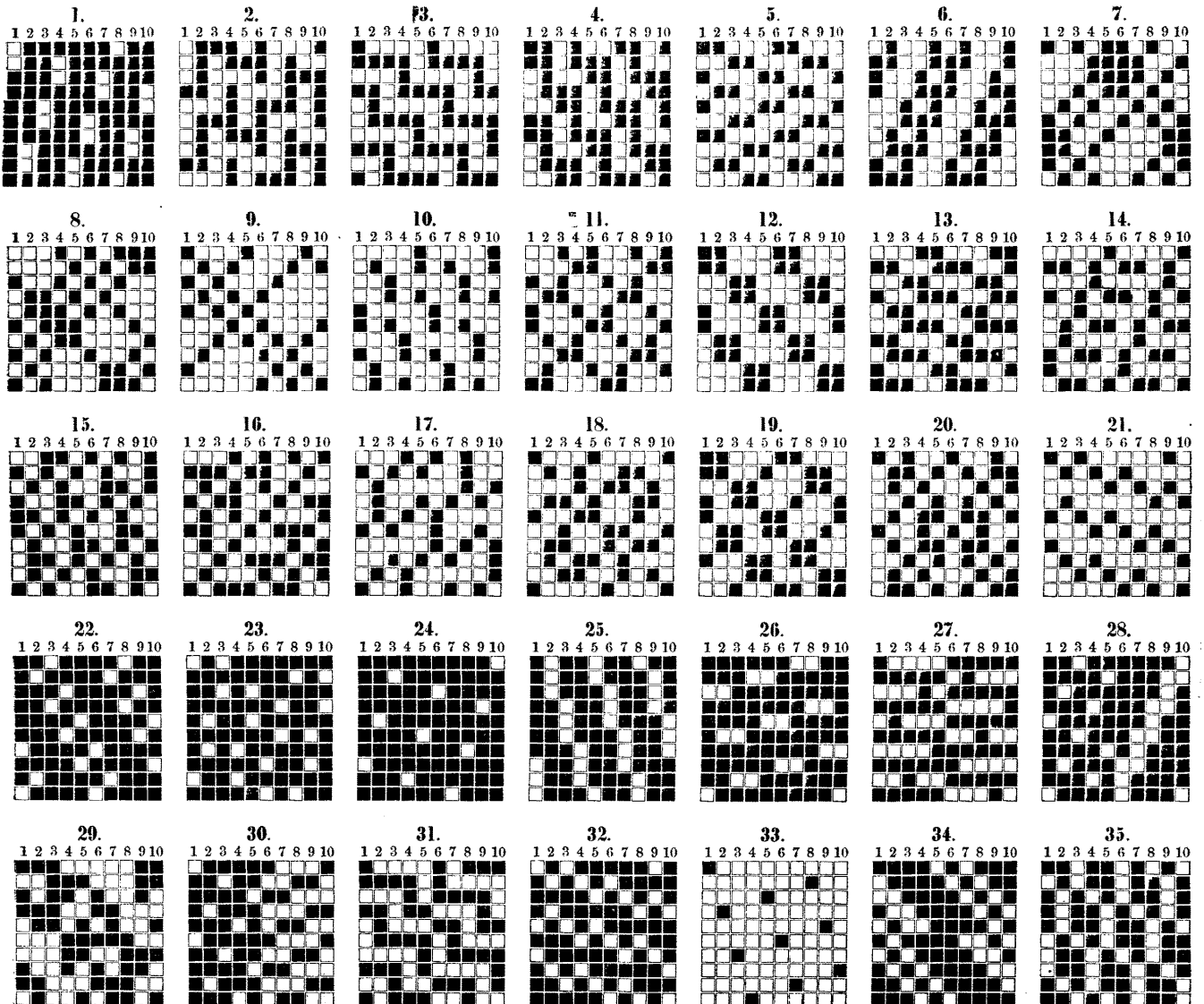
9schäftig mit 18 Karten.



9schäftig mit 27 Karten.



10schäftig mit 10 Karten.



10 schäftig mit 10 Karten.

36. 1 2 3 4 5 6 7 8 9 10

37. 1 2 3 4 5 6 7 8 9 10

38. 1 2 3 4 5 6 7 8 9 10

39. 1 2 3 4 5 6 7 8 9 10

40. 1 2 3 4 5 6 7 8 9 10

41. 1 2 3 4 5 6 7 8 9 10

42. 1 2 3 4 5 6 7 8 9 10

43. 1 2 3 4 5 6 7 8 9 10

44. 1 2 3 4 5 6 7 8 9 10

45. 1 2 3 4 5 6 7 8 9 10

46. 1 2 3 4 5 6 7 8 9 10

47. 1 2 3 4 5 6 7 8 9 10

48. 1 2 3 4 5 6 7 8 9 10

49. 1 2 3 4 5 6 7 8 9 10

50. 1 2 3 4 5 6 7 8 9 10

51. 1 2 3 4 5 6 7 8 9 10

52. 1 2 3 4 5 6 7 8 9 10

53. 1 2 3 4 5 6 7 8 9 10

54. 1 2 3 4 5 6 7 8 9 10

55. 1 2 3 4 5 6 7 8 9 10

56. 1 2 3 4 5 6 7 8 9 10

57. 1 2 3 4 5 6 7 8 9 10

58. 1 2 3 4 5 6 7 8 9 10

59. 1 2 3 4 5 6 7 8 9 10

60. 1 2 3 4 5 6 7 8 9 10

61. 1 2 3 4 5 6 7 8 9 10

62. 1 2 3 4 5 6 7 8 9 10

63. 1 2 3 4 5 6 7 8 9 10

64. 1 2 3 4 5 6 7 8 9 10

65. 1 2 3 4 5 6 7 8 9 10

66. 1 2 3 4 5 6 7 8 9 10

67. 1 2 3 4 5 6 7 8 9 10

68. 1 2 3 4 5 6 7 8 9 10

69. 1 2 3 4 5 6 7 8 9 10

70. 1 2 3 4 5 6 7 8 9 10

71. 1 2 3 4 5 6 7 8 9 10

72. 1 2 3 4 5 6 7 8 9 10

73. 1 2 3 4 5 6 7 8 9 10

74. 1 2 3 4 5 6 7 8 9 10

75. 1 2 3 4 5 6 7 8 9 10

76. 1 2 3 4 5 6 7 8 9 10

77. 1 2 3 4 5 6 7 8 9 10

78. 1 2 3 4 5 6 7 8 9 10

79. 1 2 3 4 5 6 7 8 9 10

80. 1 2 3 4 5 6 7 8 9 10

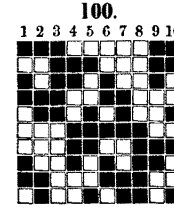
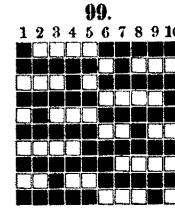
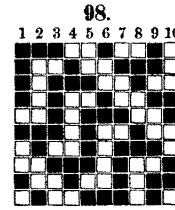
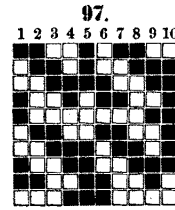
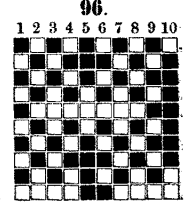
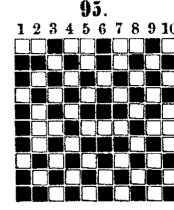
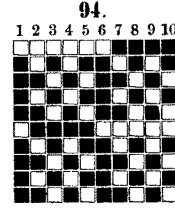
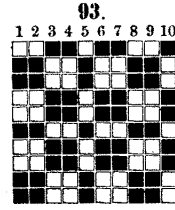
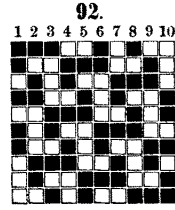
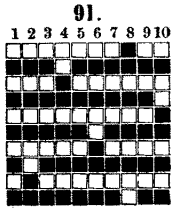
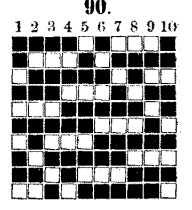
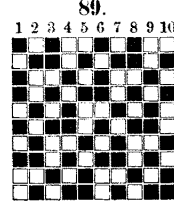
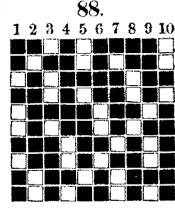
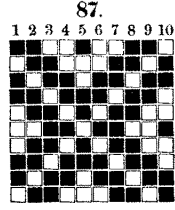
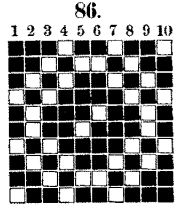
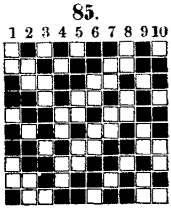
81. 1 2 3 4 5 6 7 8 9 10

82. 1 2 3 4 5 6 7 8 9 10

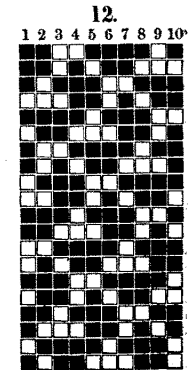
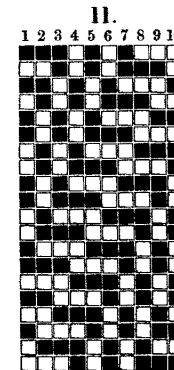
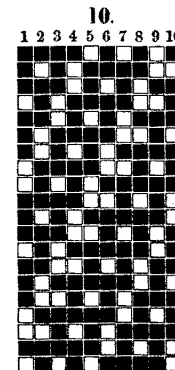
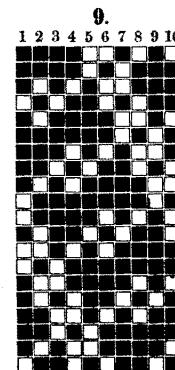
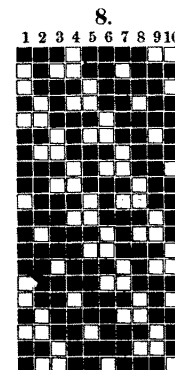
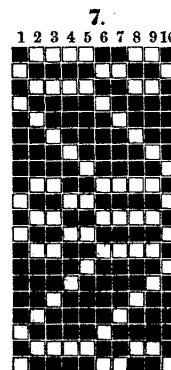
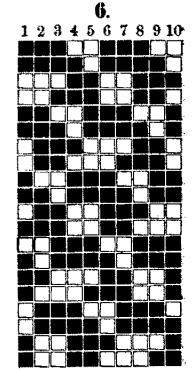
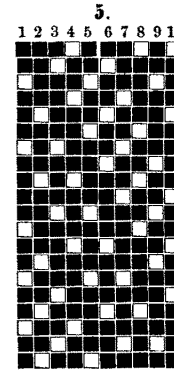
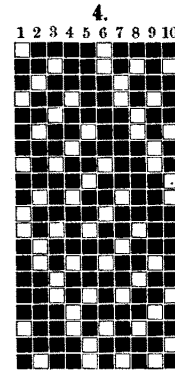
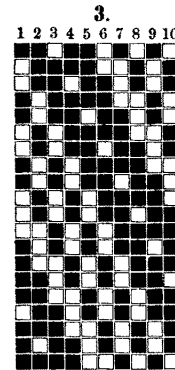
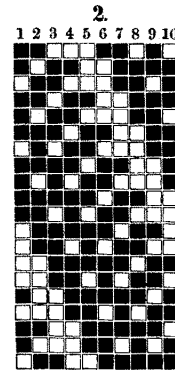
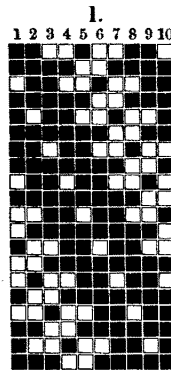
83. 1 2 3 4 5 6 7 8 9 10

84. 1 2 3 4 5 6 7 8 9 10

10schäftig mit 10 Karten.



10schäftig mit 20 Karten.

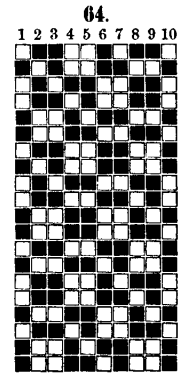
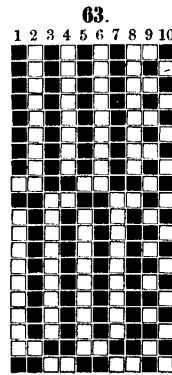
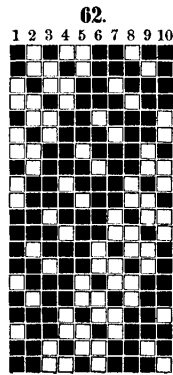
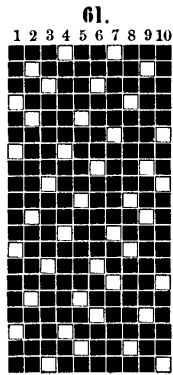




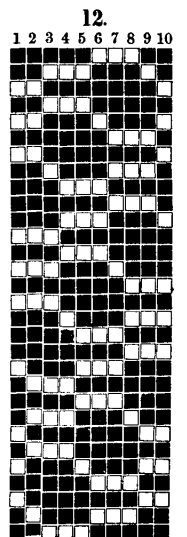
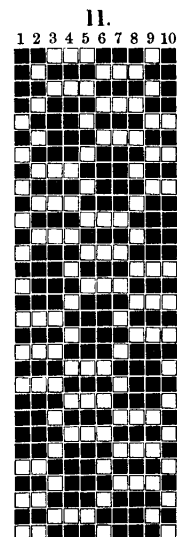
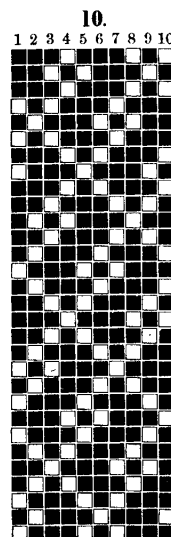
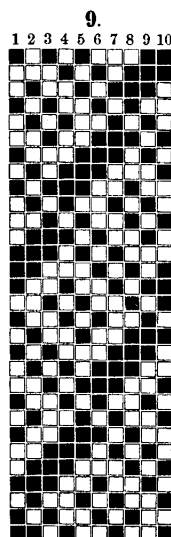
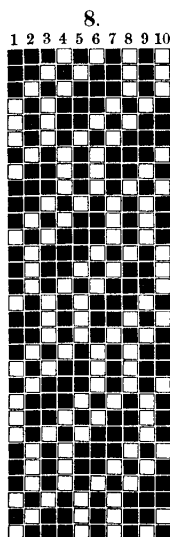
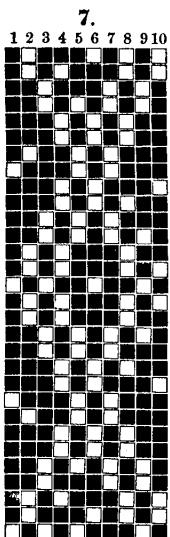
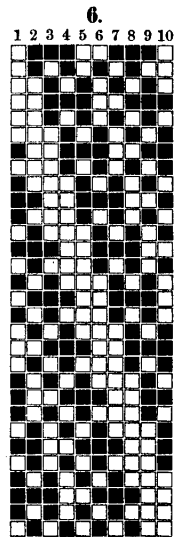
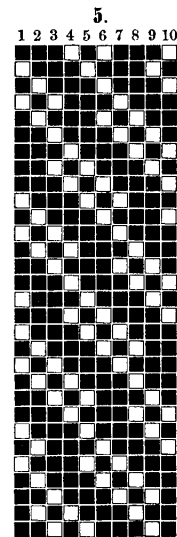
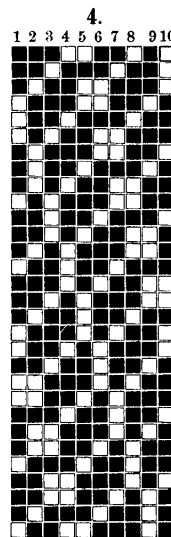
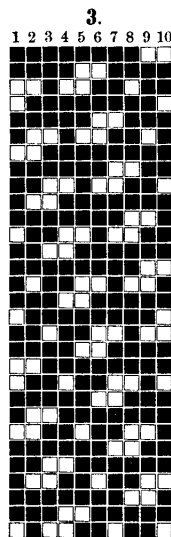
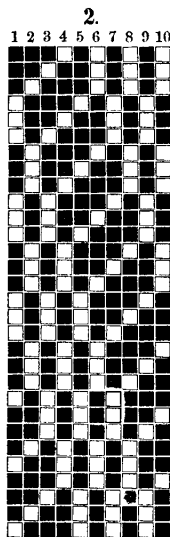
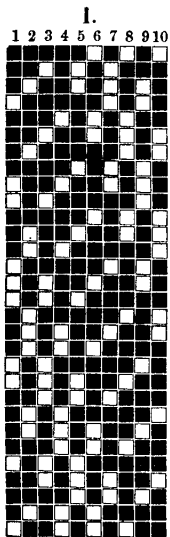




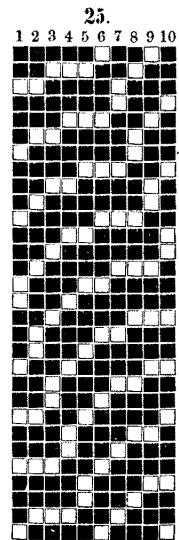
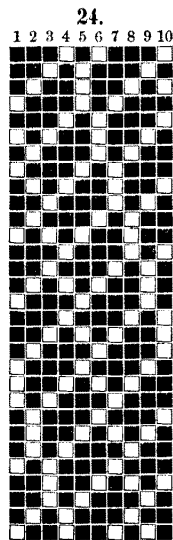
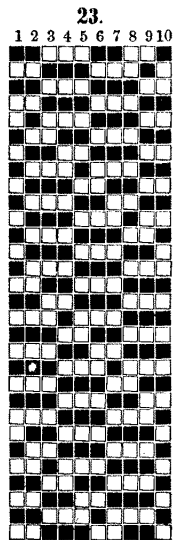
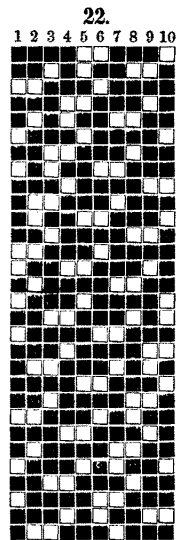
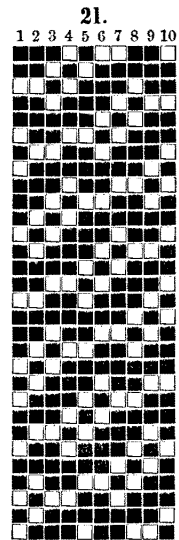
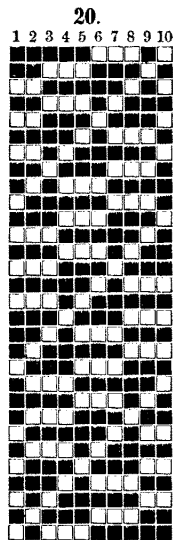
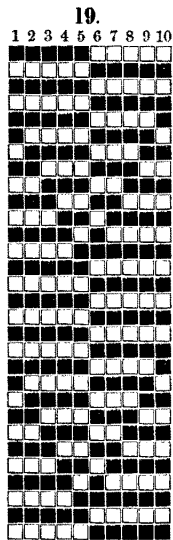
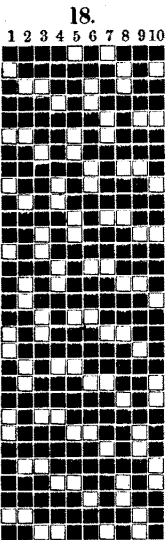
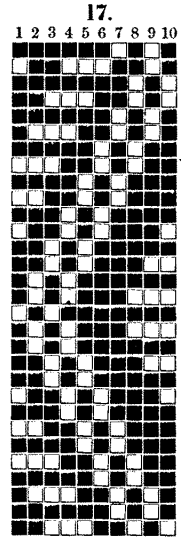
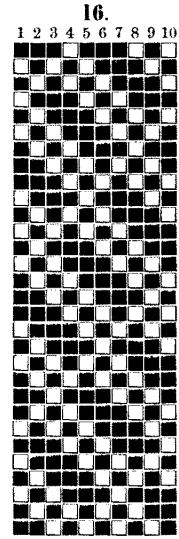
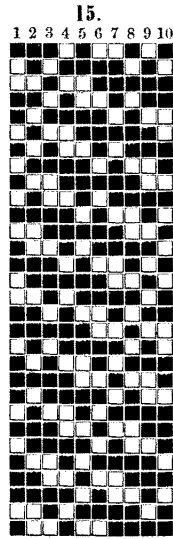
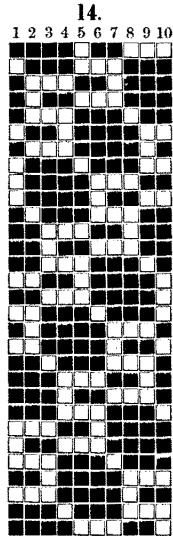
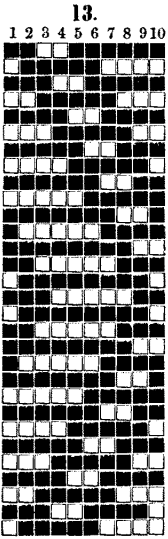
10 schäftig mit 20 Karten.



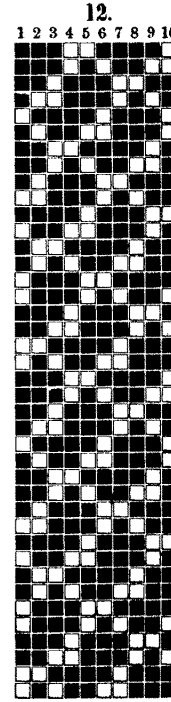
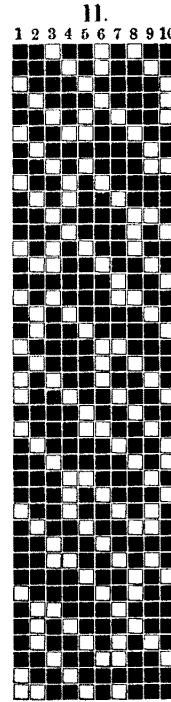
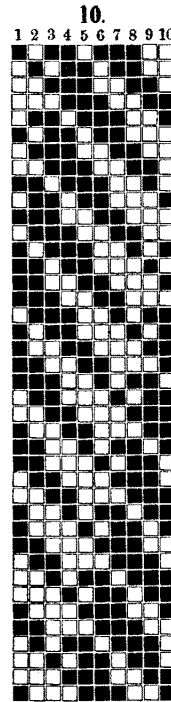
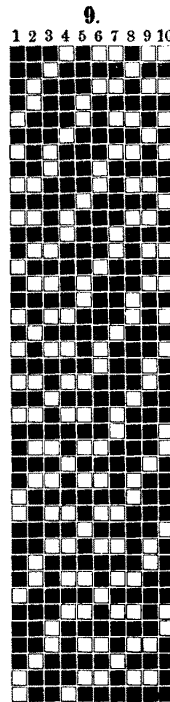
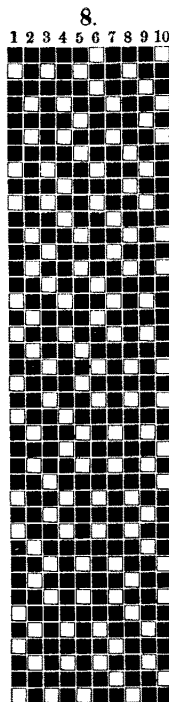
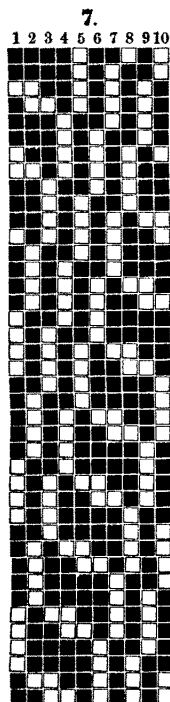
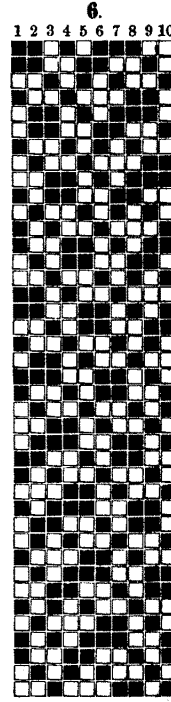
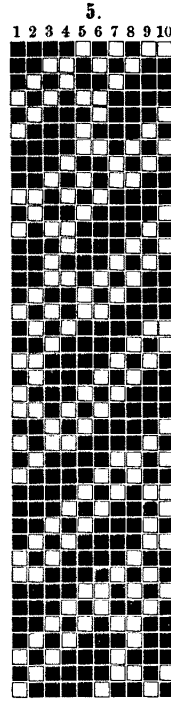
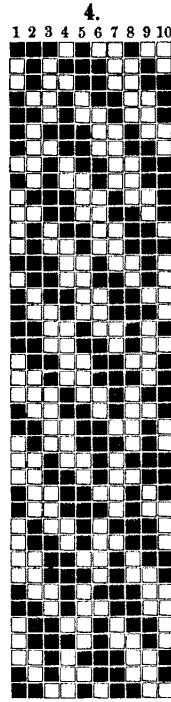
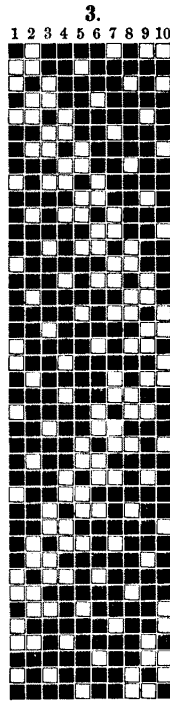
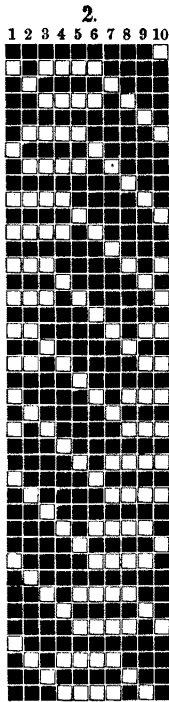
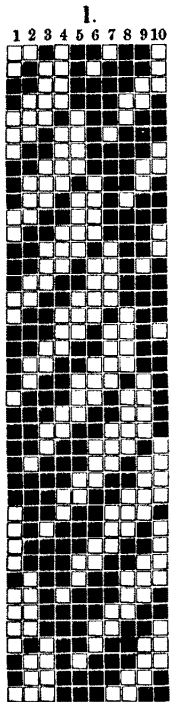
10 schäftig mit 30 Karten.



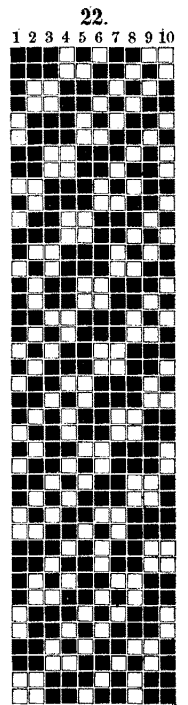
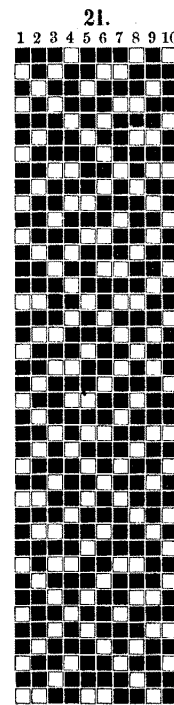
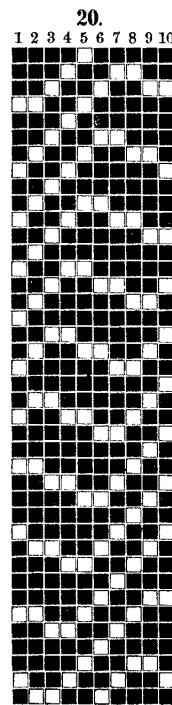
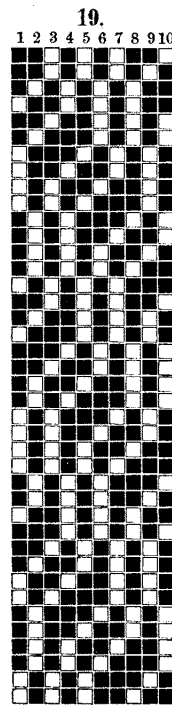
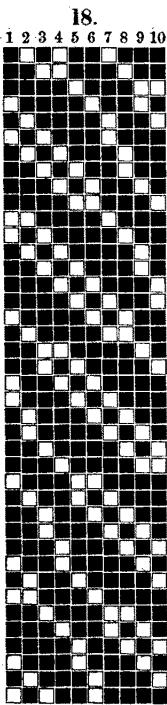
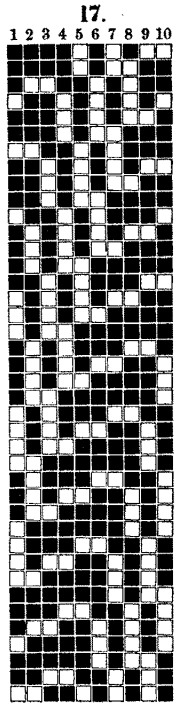
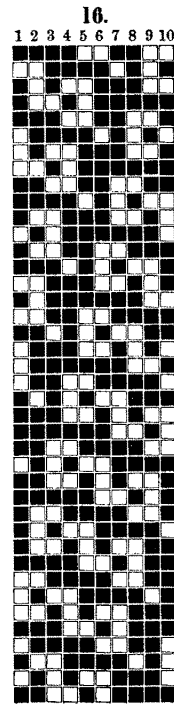
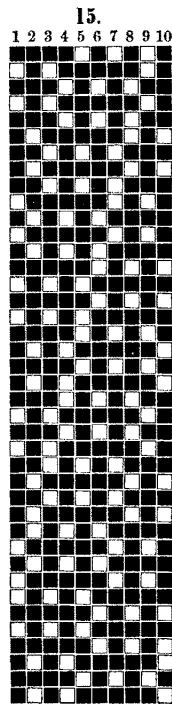
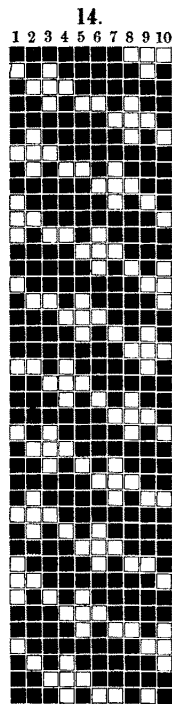
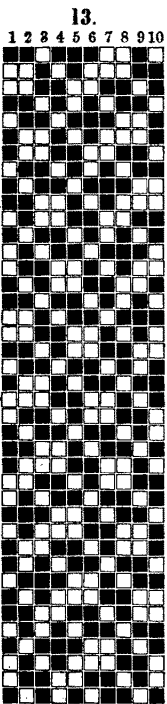
10schäftig mit 30 Karten.



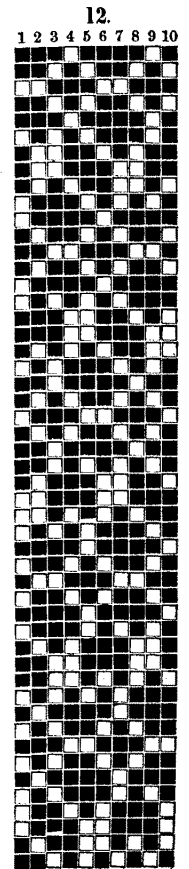
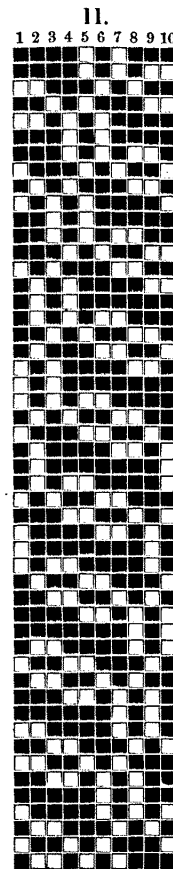
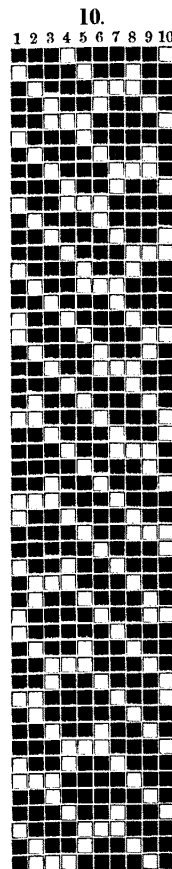
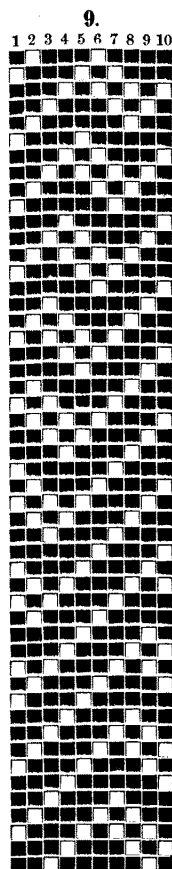
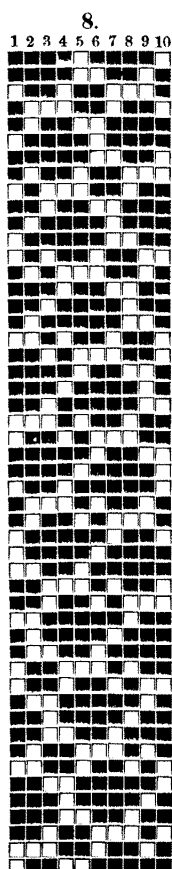
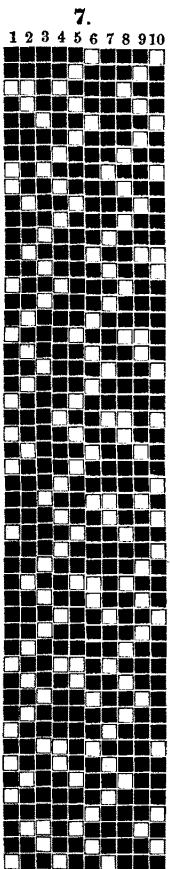
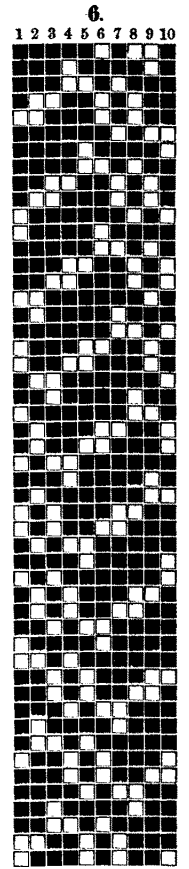
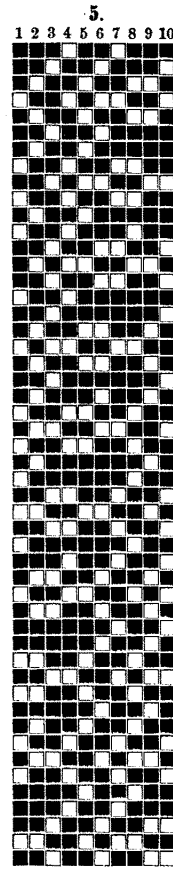
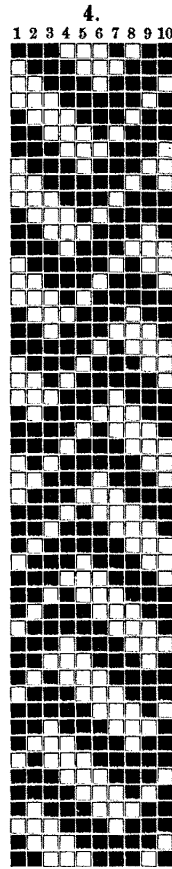
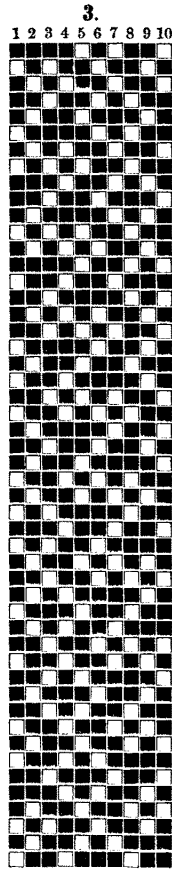
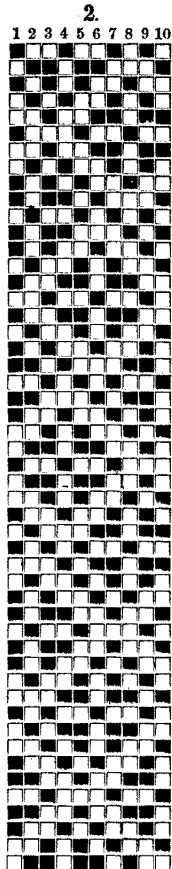
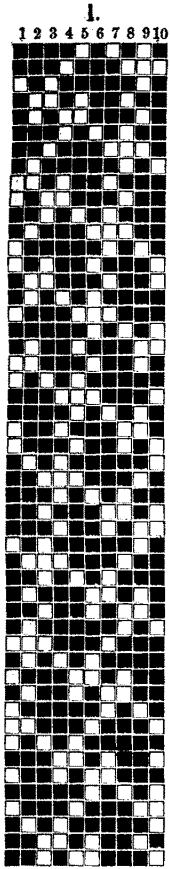
10schäftig mit 40 Karten.



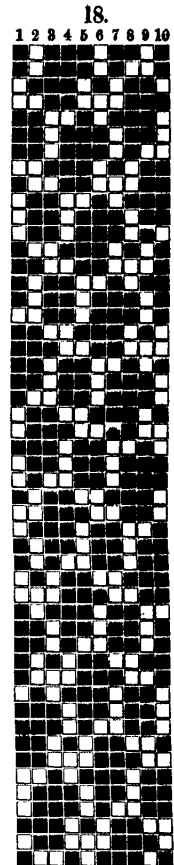
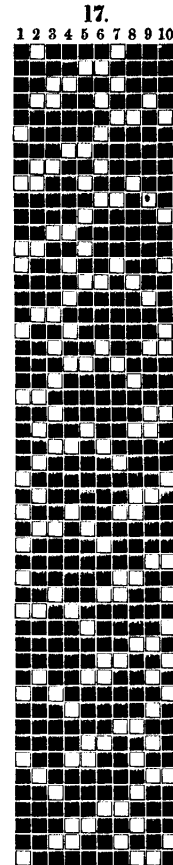
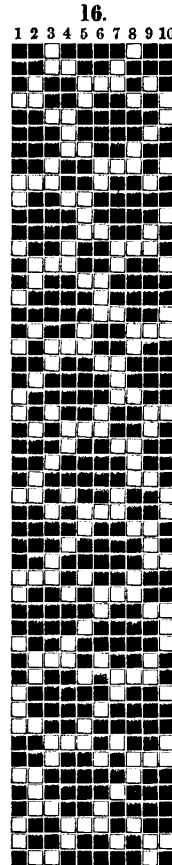
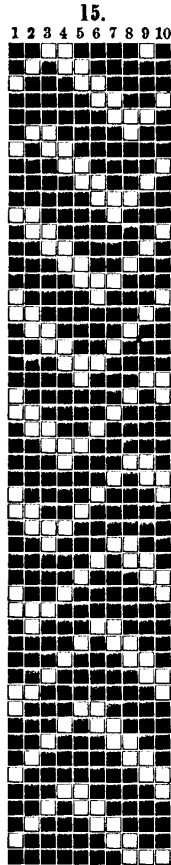
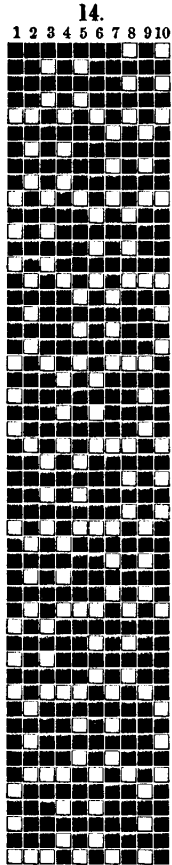
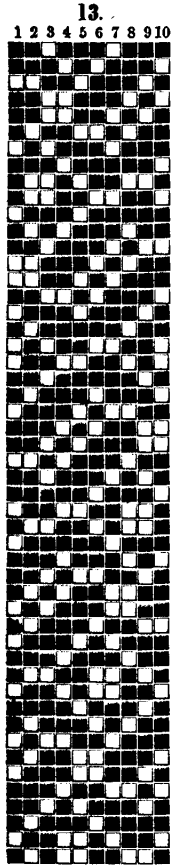
10schäftig mit 40 Karten.



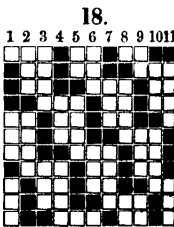
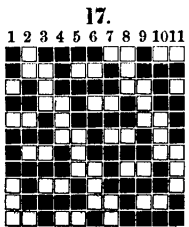
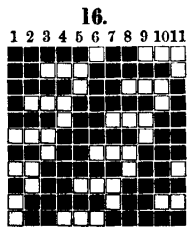
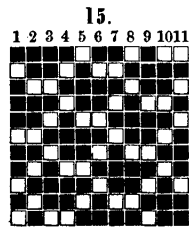
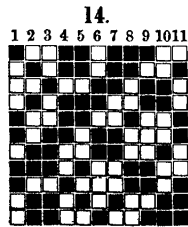
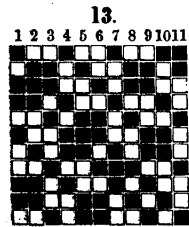
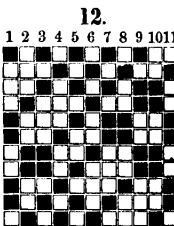
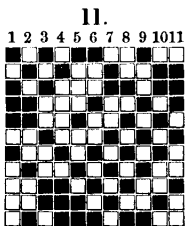
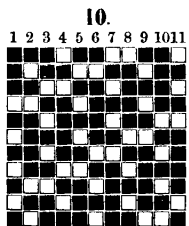
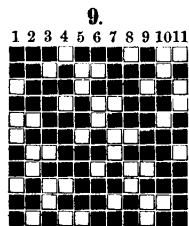
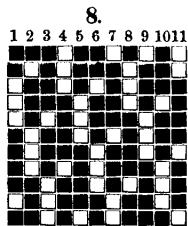
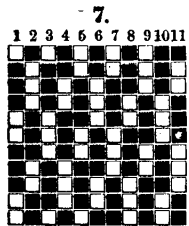
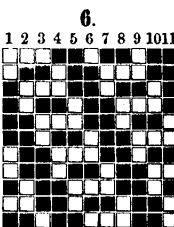
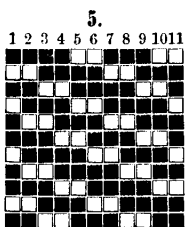
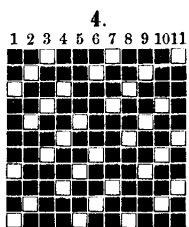
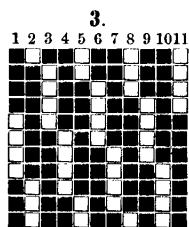
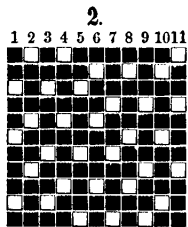
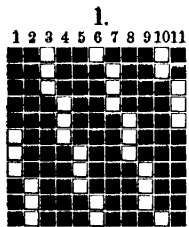
10schäftig mit 50 Karten.



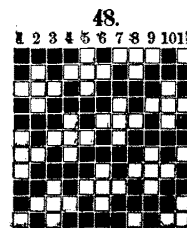
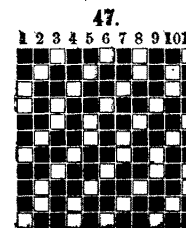
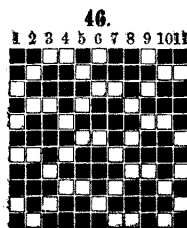
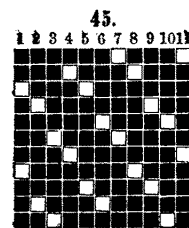
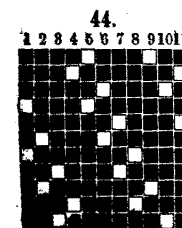
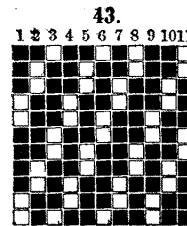
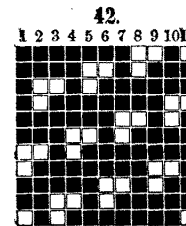
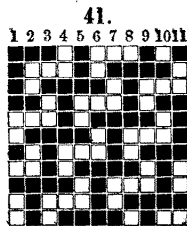
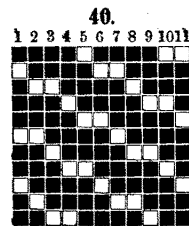
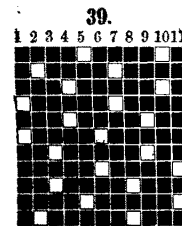
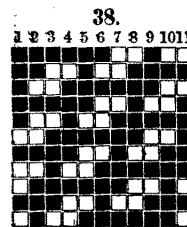
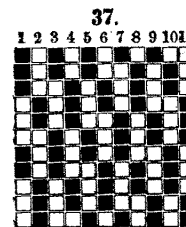
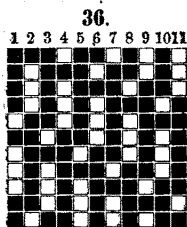
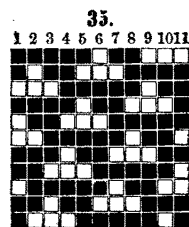
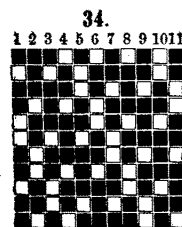
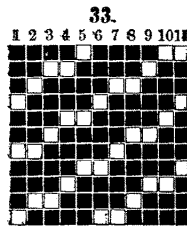
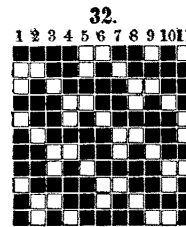
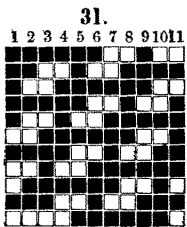
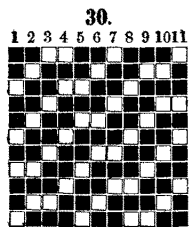
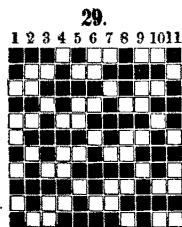
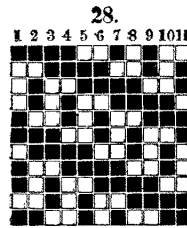
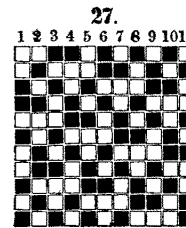
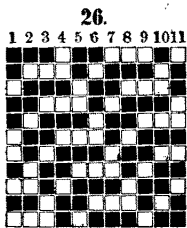
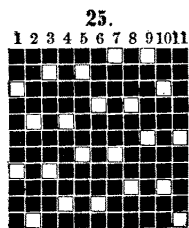
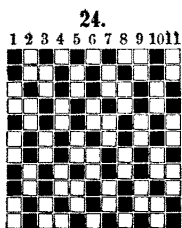
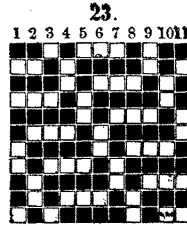
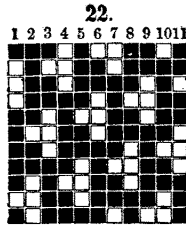
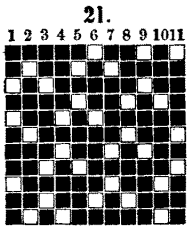
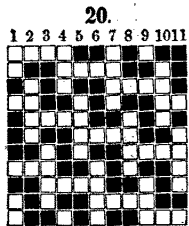
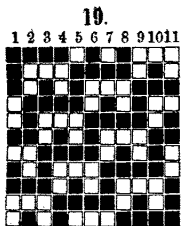
10schäftig mit 50 Karten.



11schäftig mit 11 Karten.

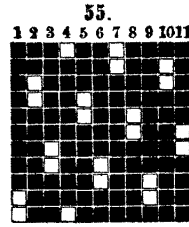
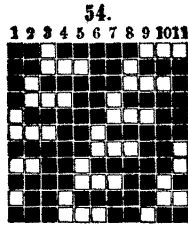
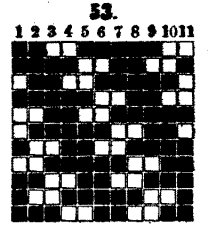
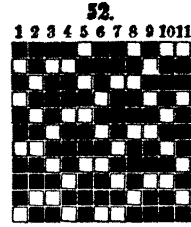
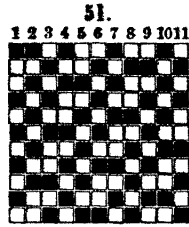
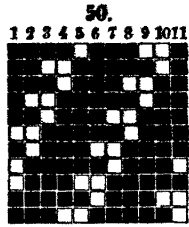
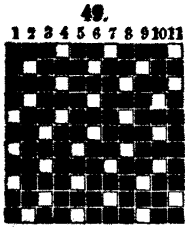


beschäftigt mit 11 Karten.

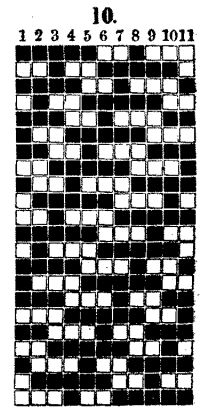
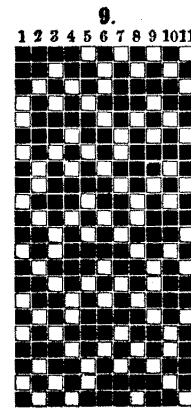
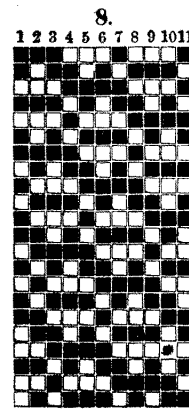
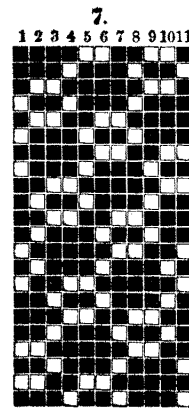
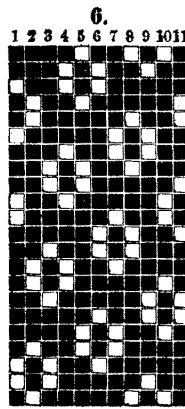
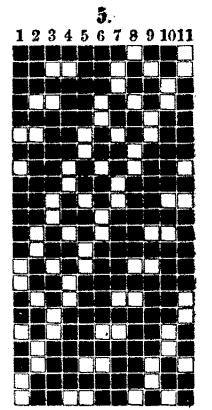
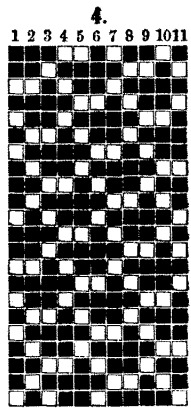
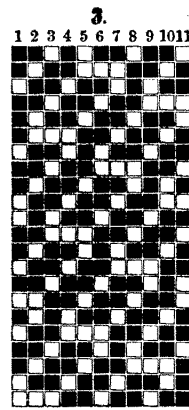
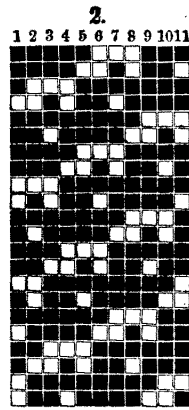
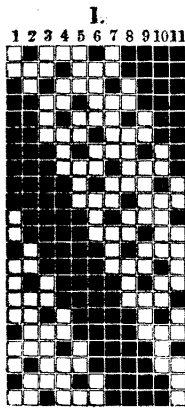




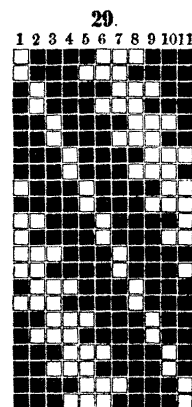
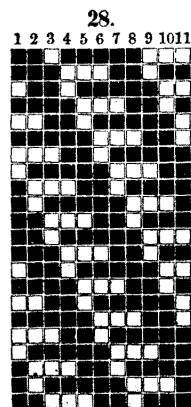
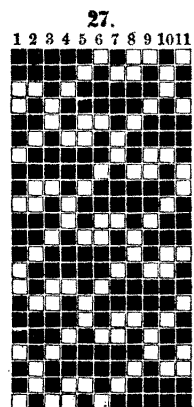
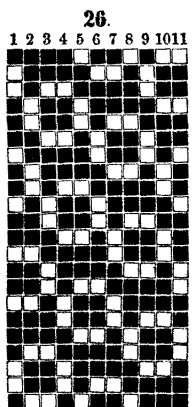
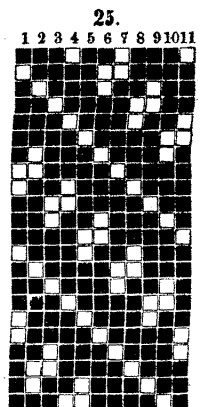
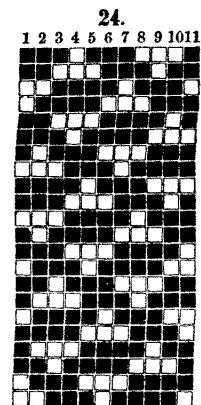
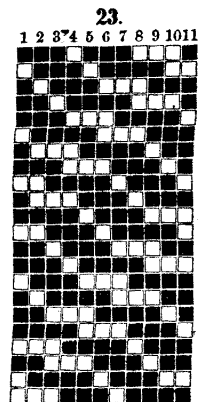
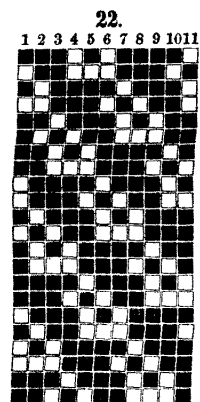
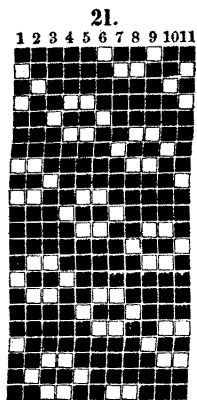
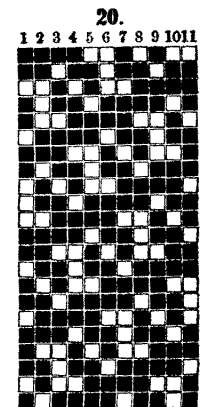
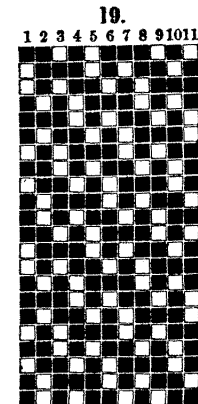
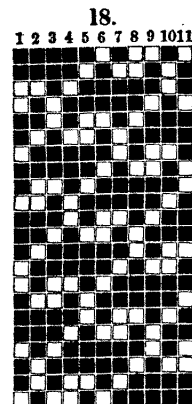
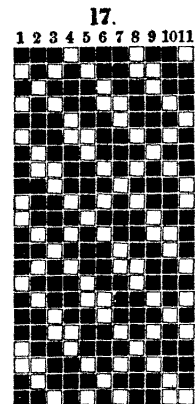
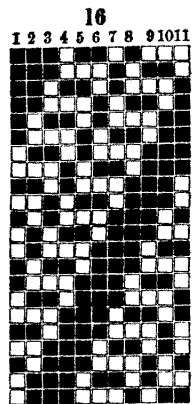
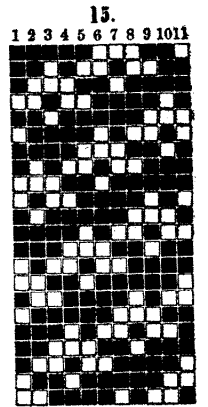
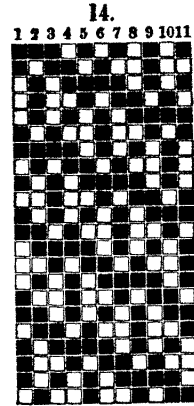
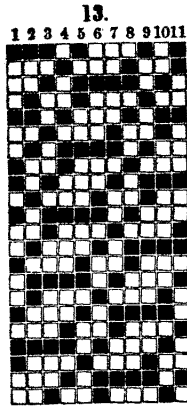
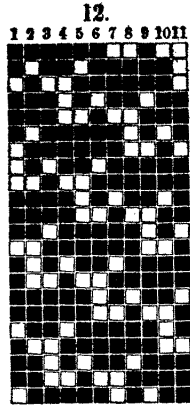
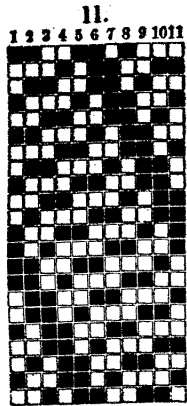
Ilshäftig mit 11 Karten.



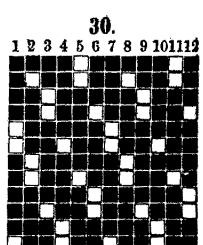
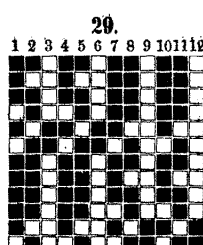
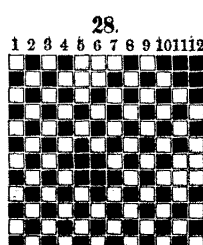
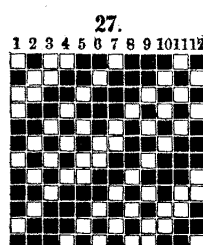
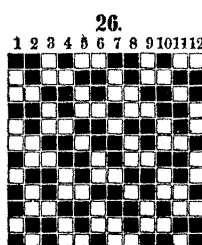
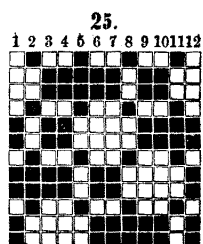
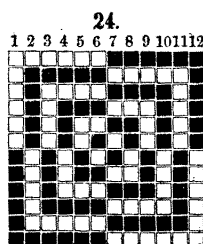
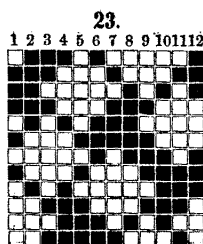
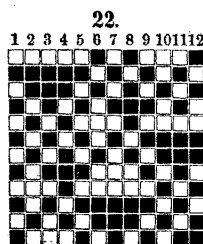
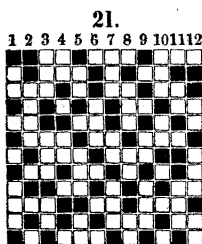
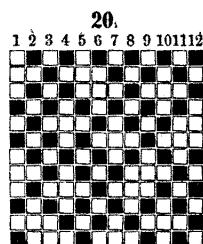
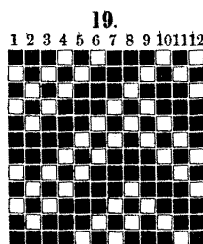
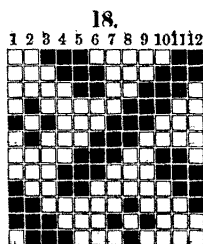
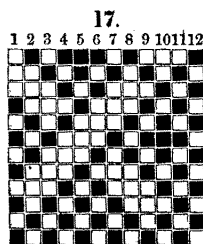
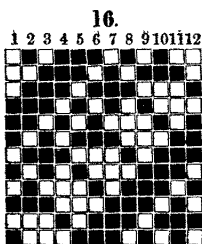
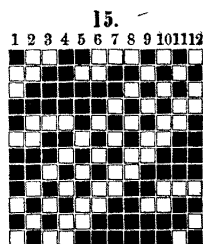
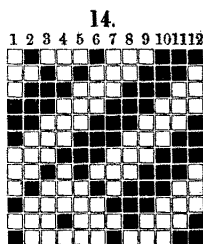
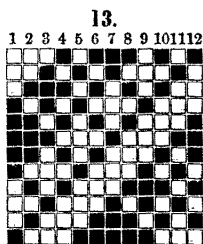
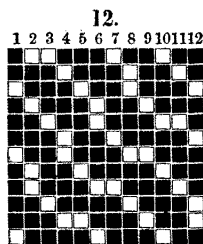
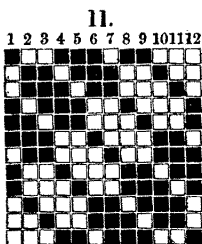
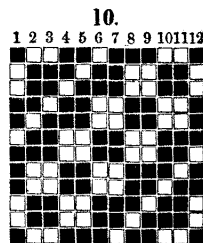
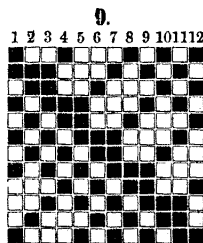
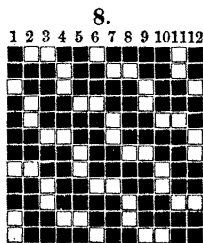
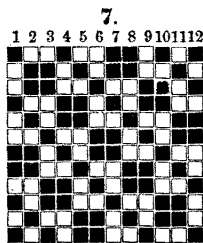
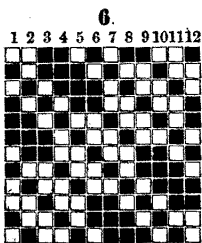
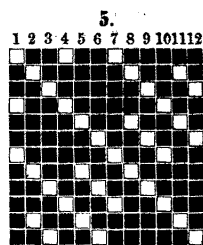
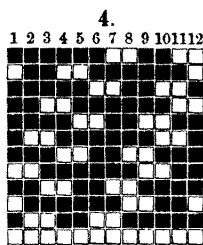
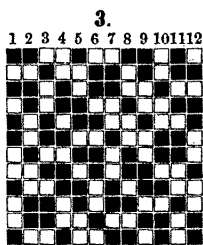
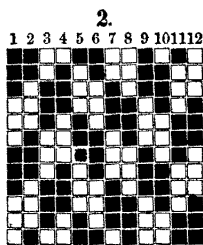
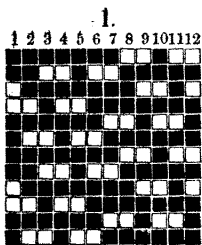
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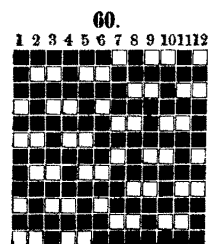
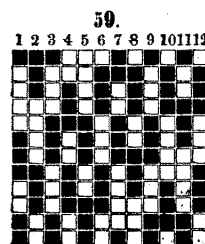
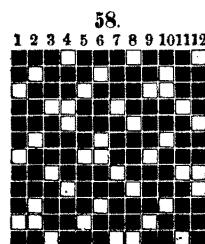
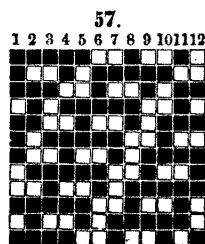
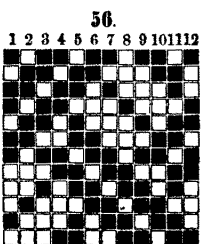
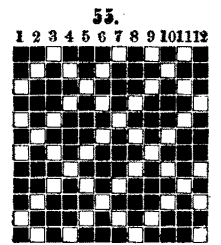
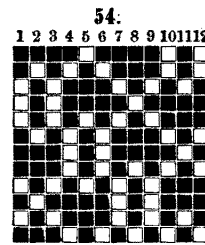
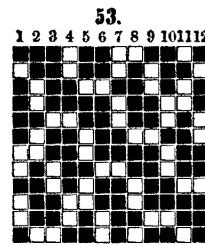
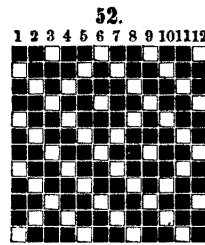
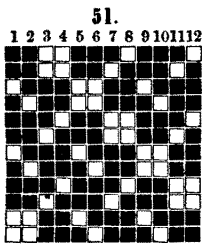
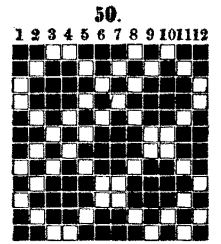
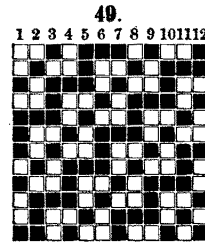
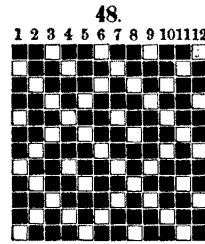
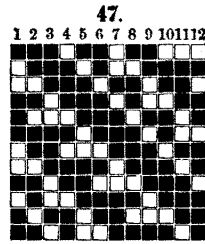
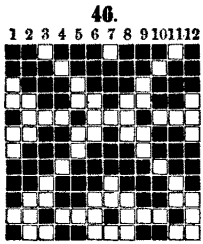
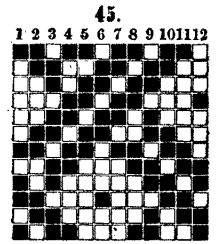
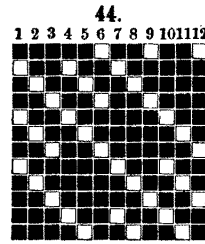
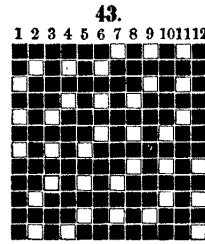
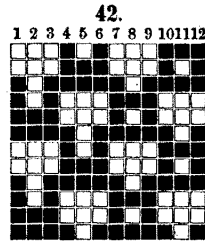
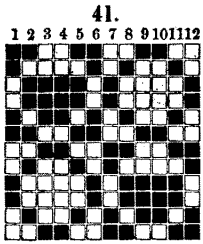
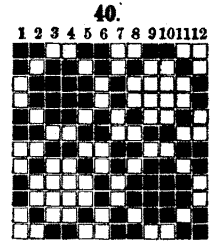
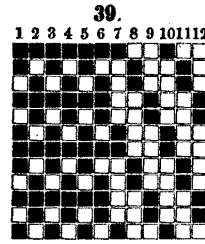
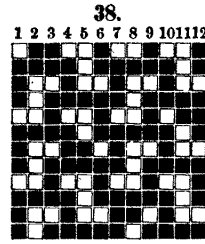
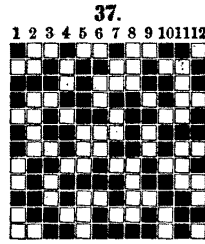
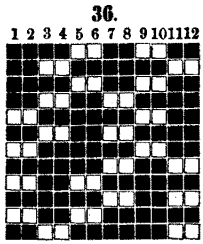
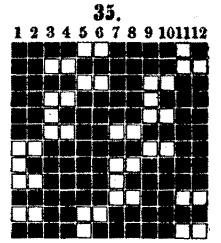
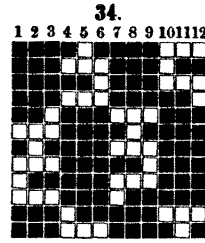
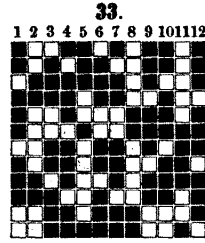
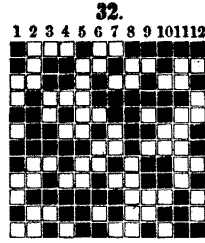
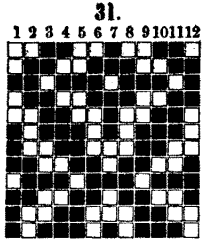
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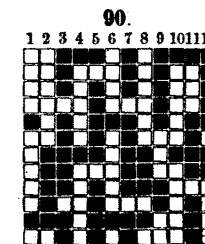
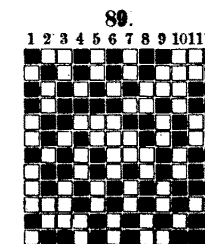
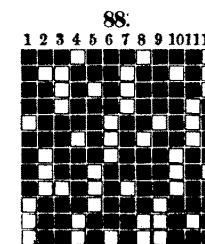
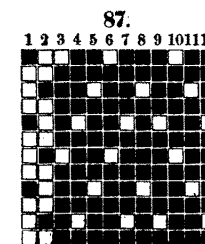
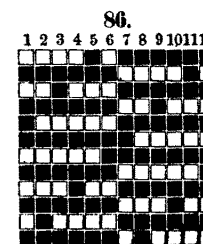
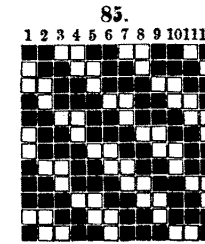
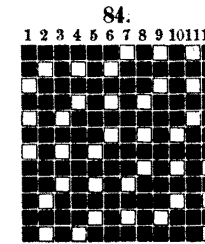
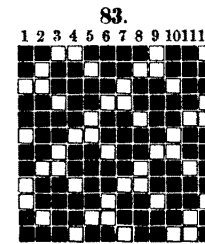
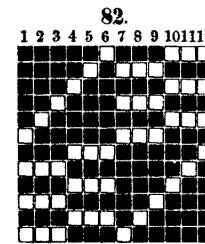
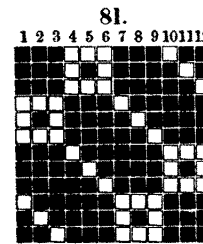
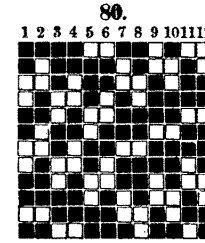
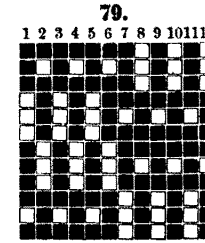
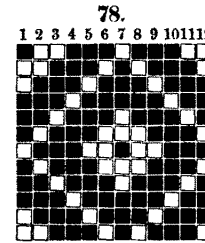
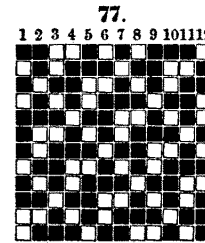
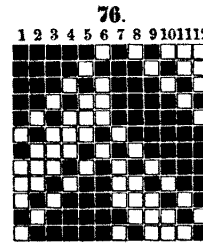
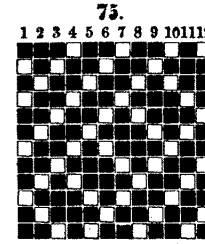
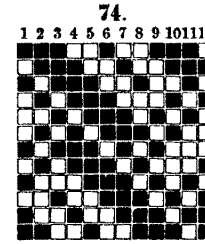
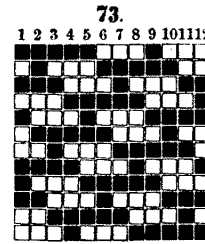
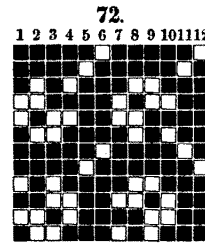
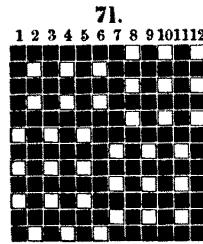
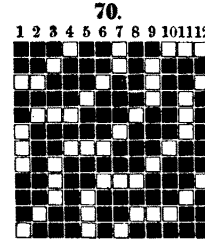
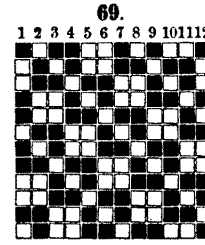
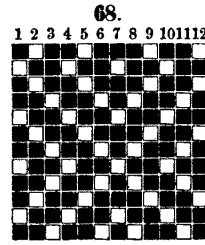
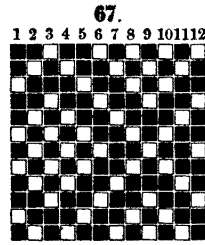
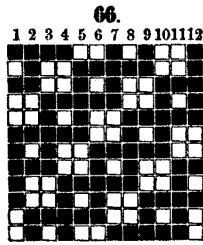
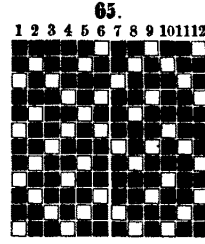
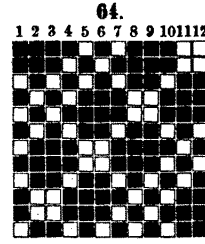
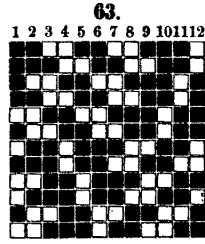
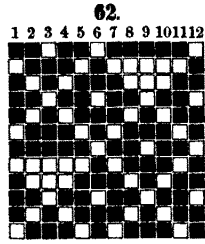
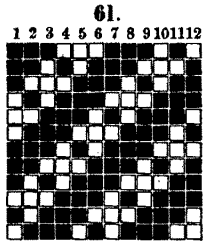
12schäftig mit 12 Karten.



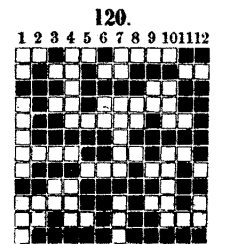
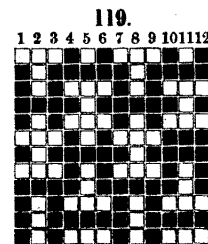
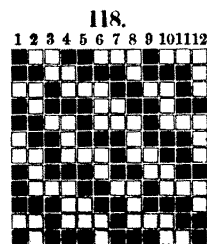
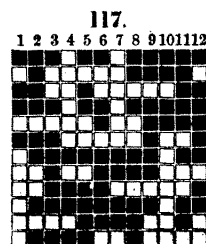
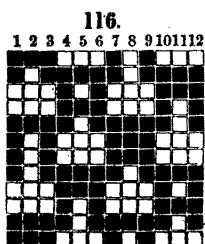
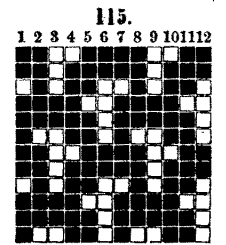
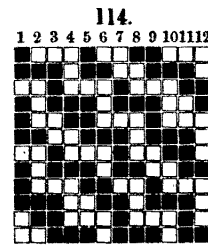
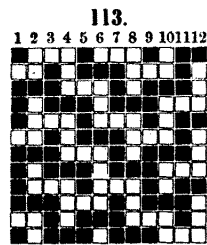
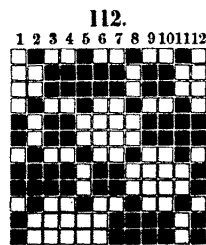
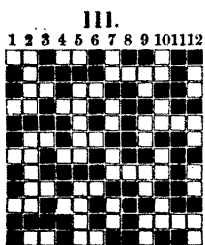
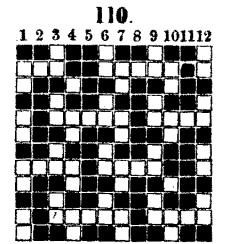
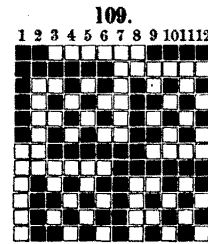
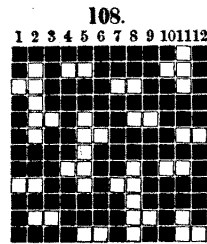
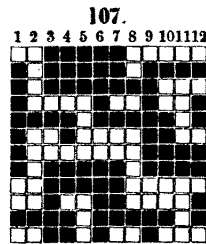
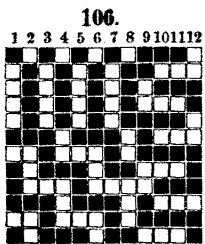
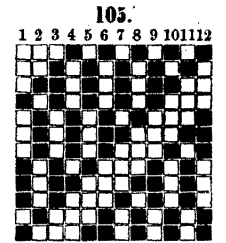
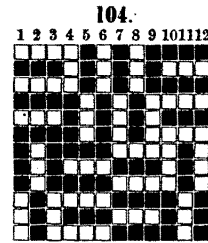
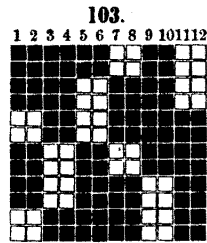
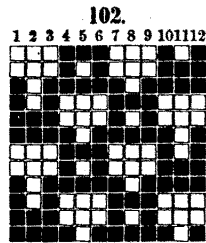
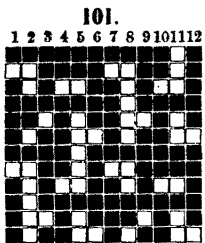
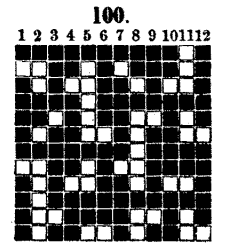
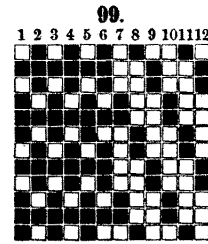
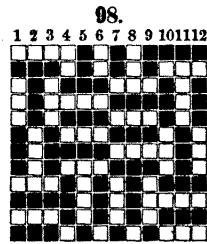
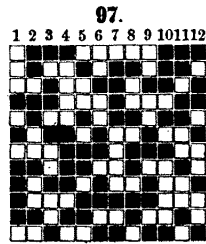
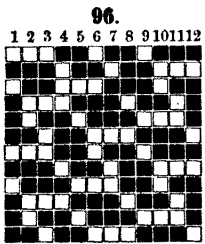
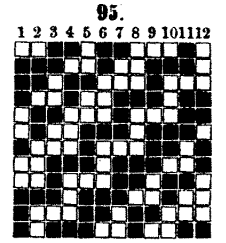
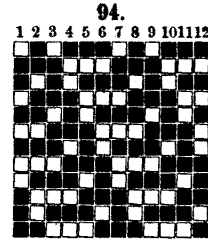
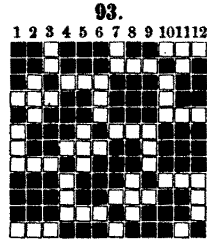
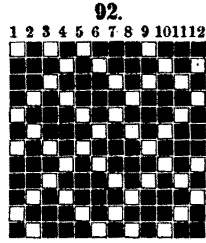
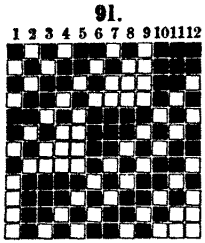
12schäftig mit 12 Karten.



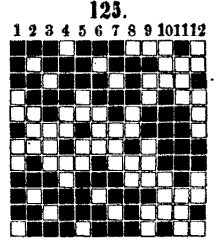
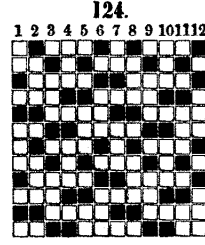
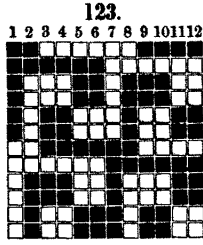
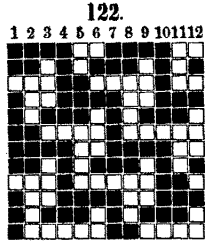
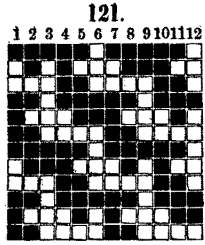
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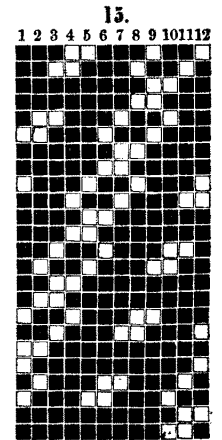
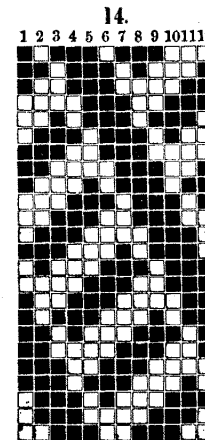
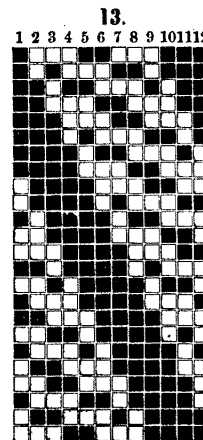
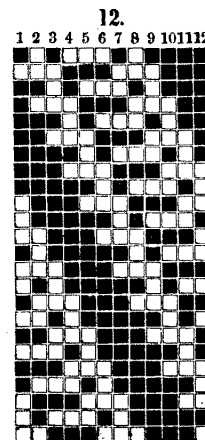
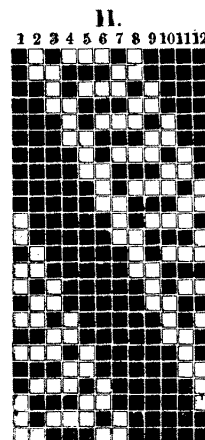
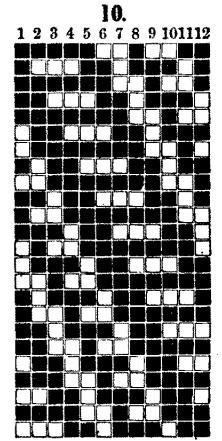
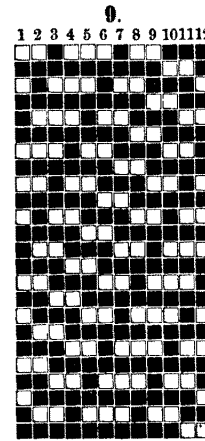
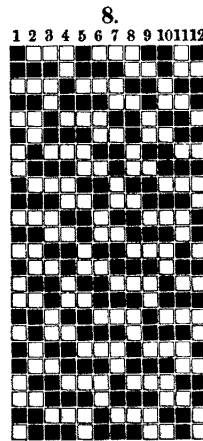
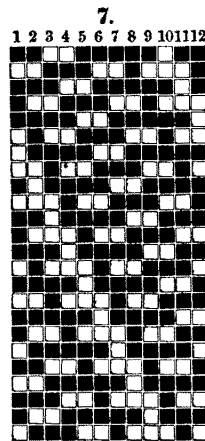
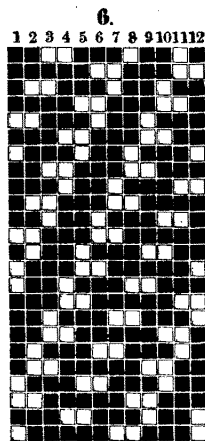
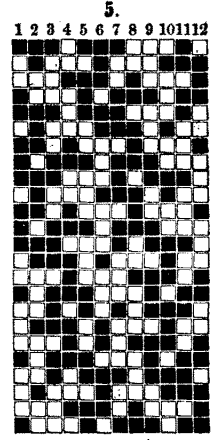
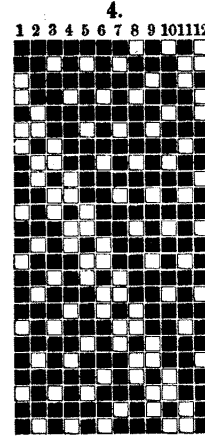
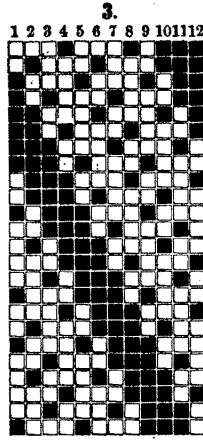
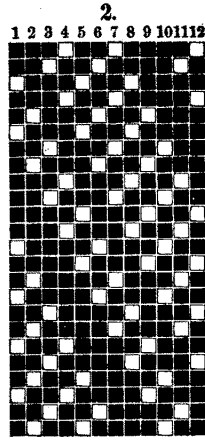
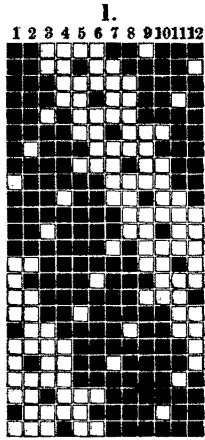
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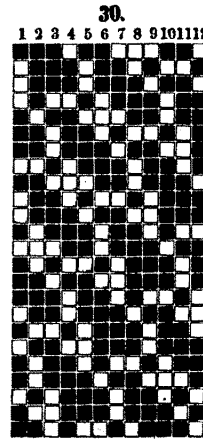
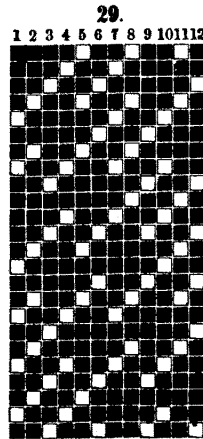
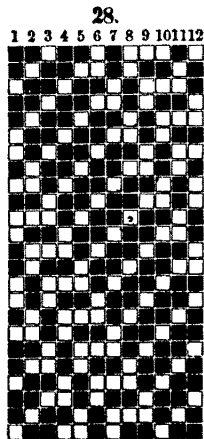
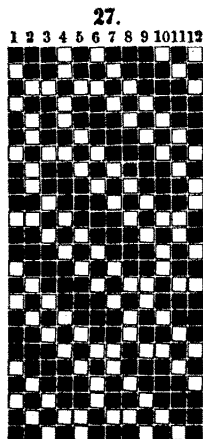
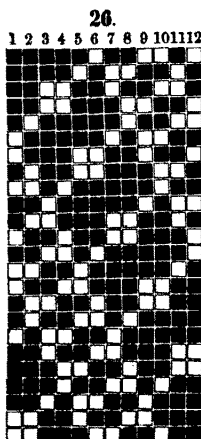
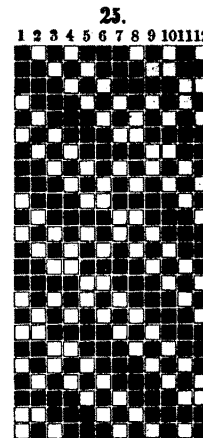
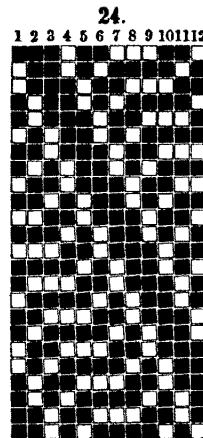
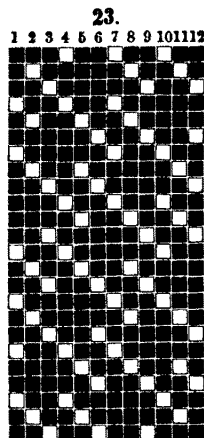
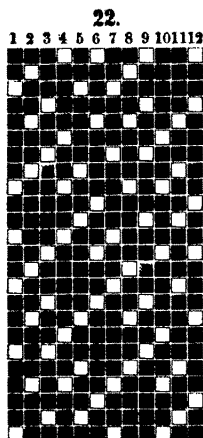
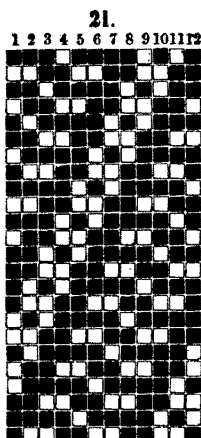
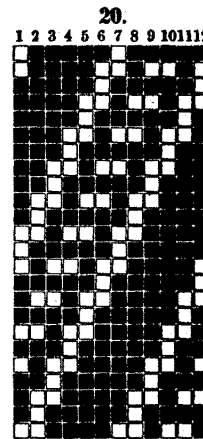
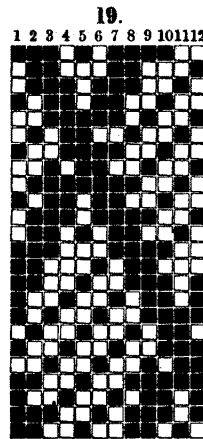
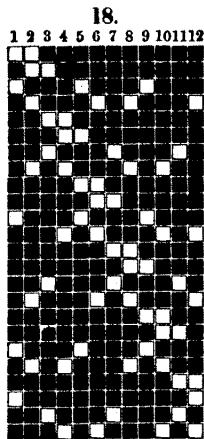
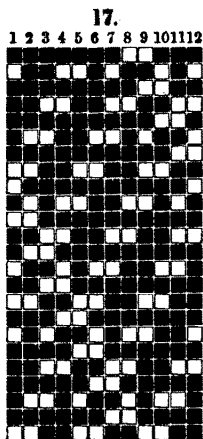
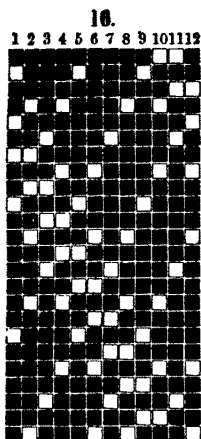
**12schäftig mit 12 Karten.**



**12schäftig mit 24 Karten.**

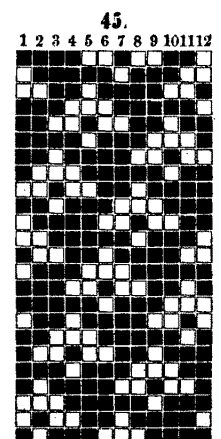
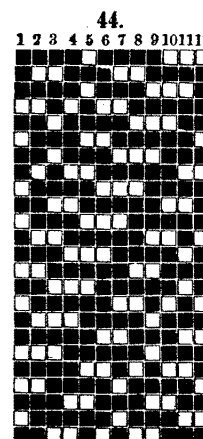
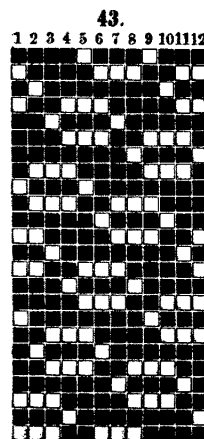
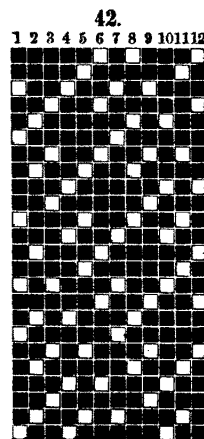
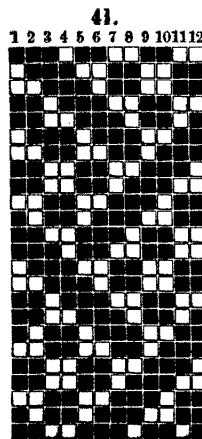
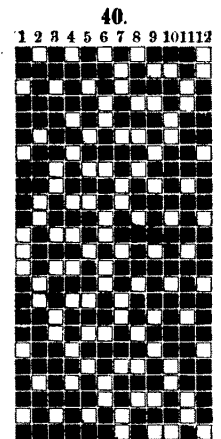
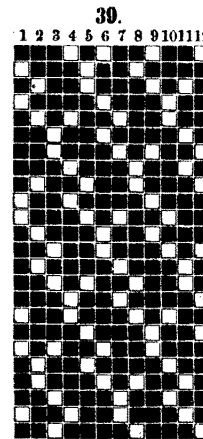
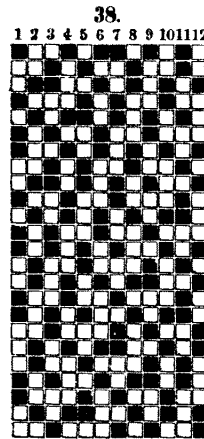
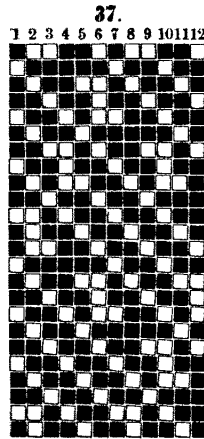
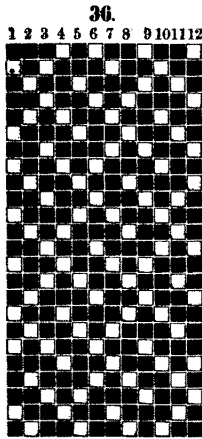
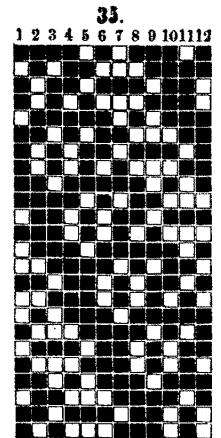
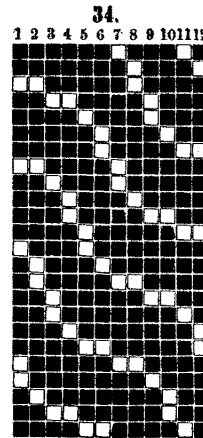
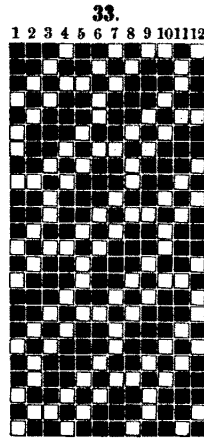
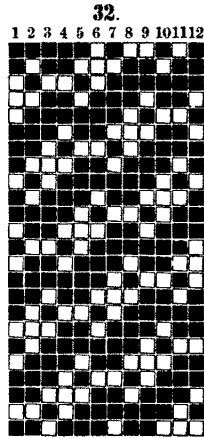
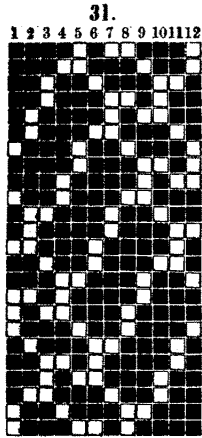


12schäftig mit 24 Karten.



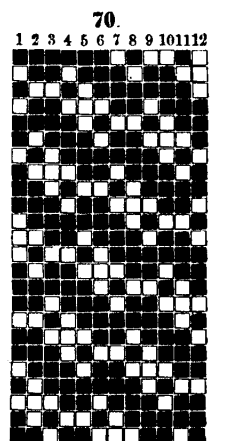
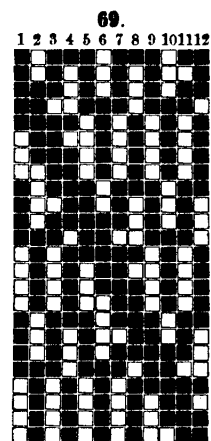
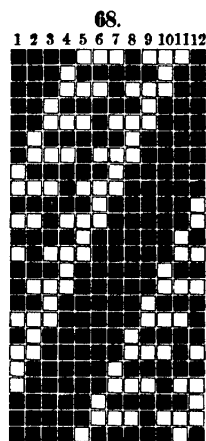
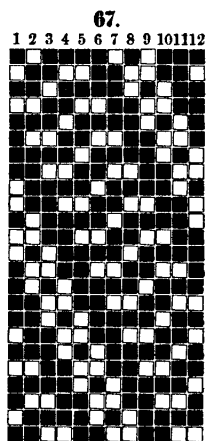
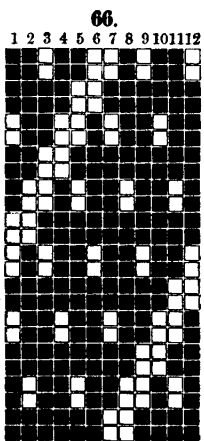
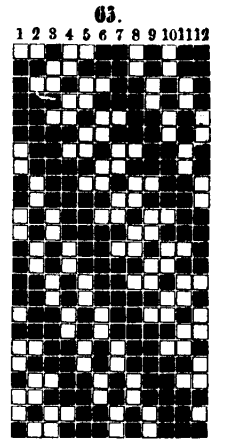
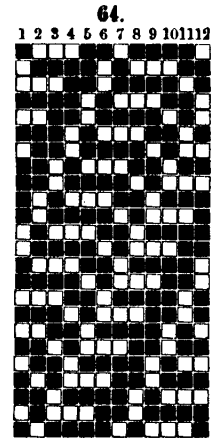
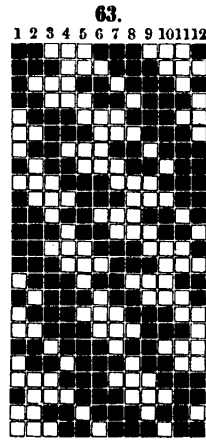
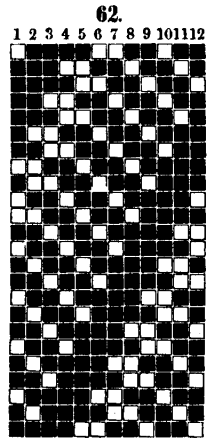
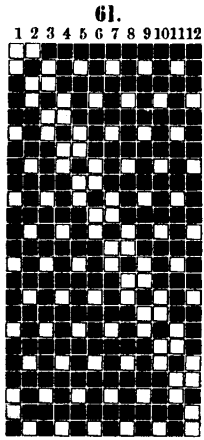


12schäftig mit 24 Karten.

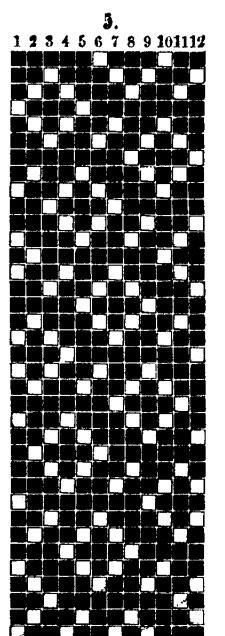
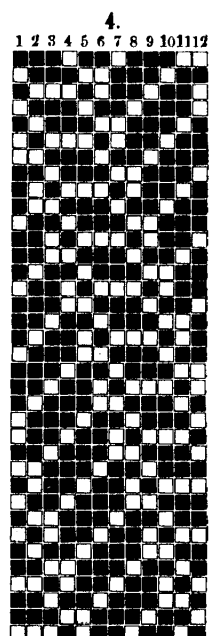
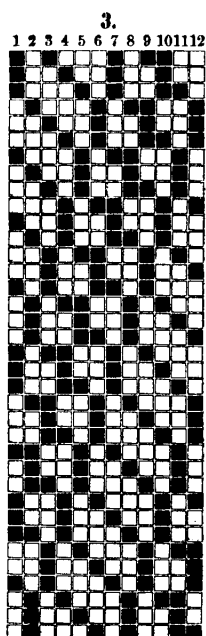
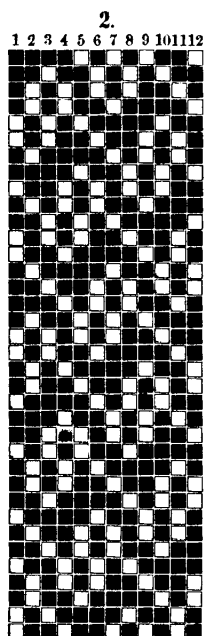
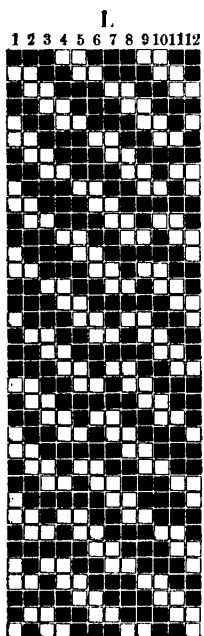




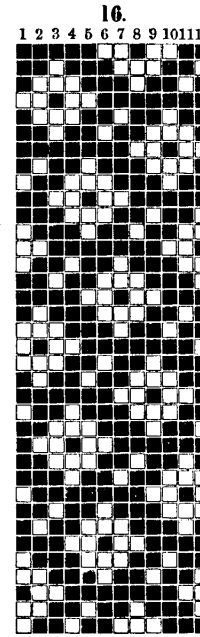
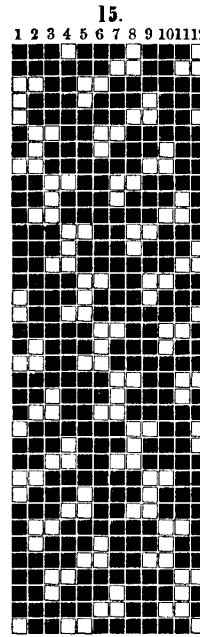
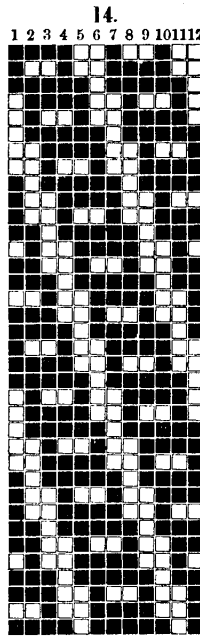
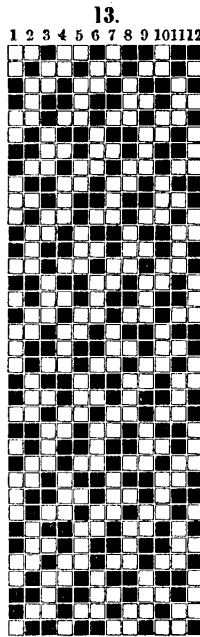
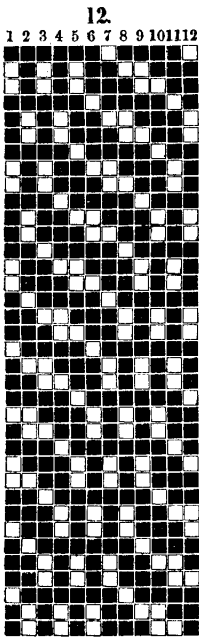
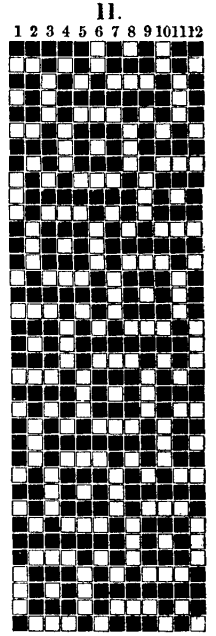
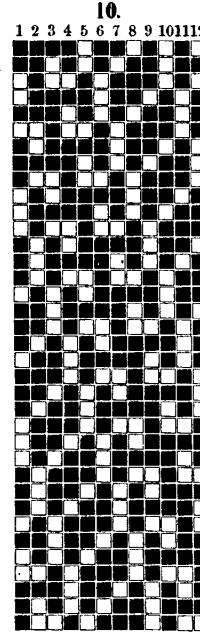
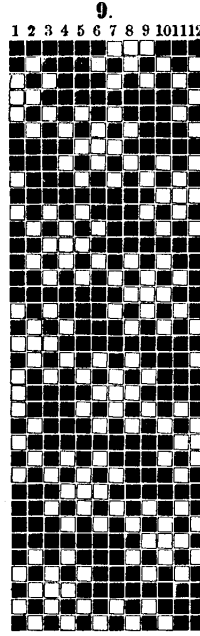
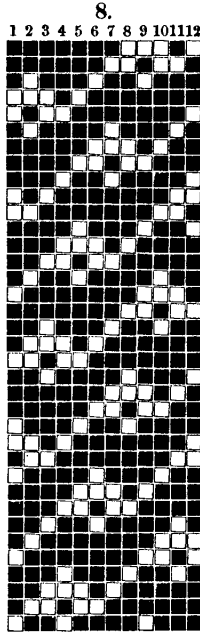
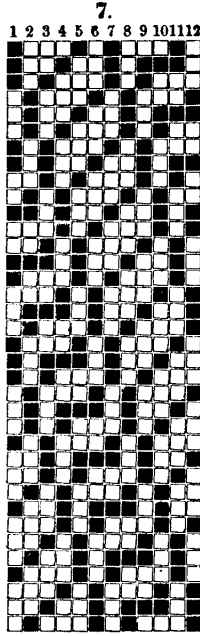
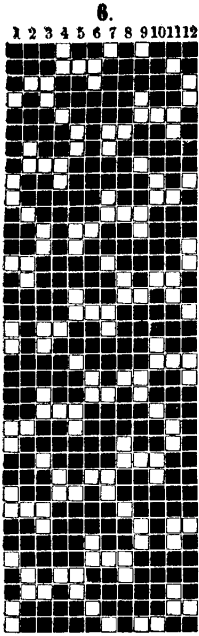
12schäftig mit 24 Karten.



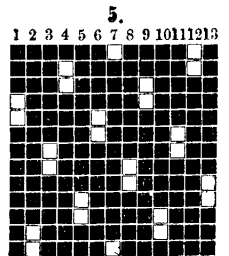
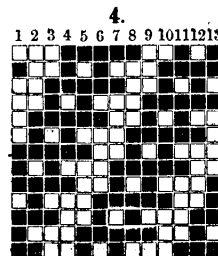
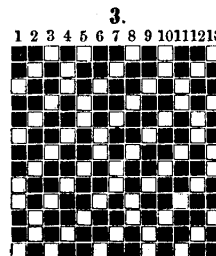
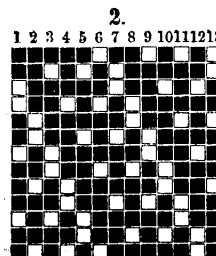
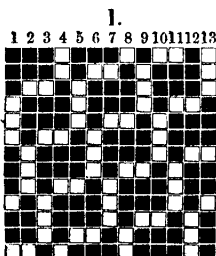
12schäftig mit 36 Karten.



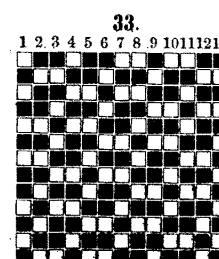
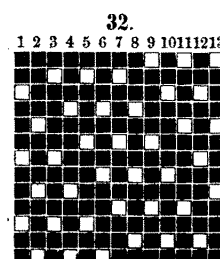
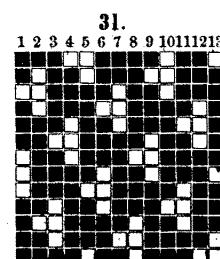
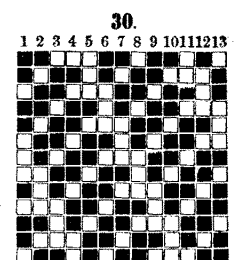
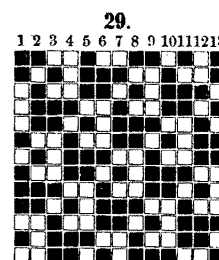
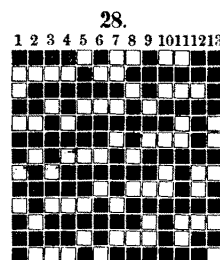
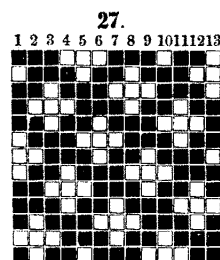
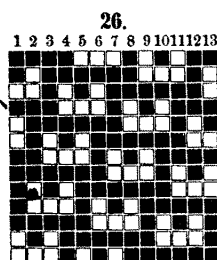
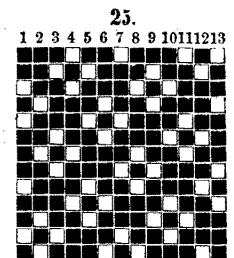
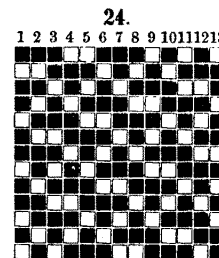
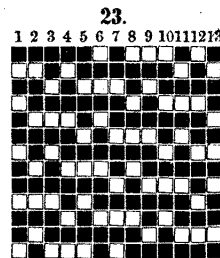
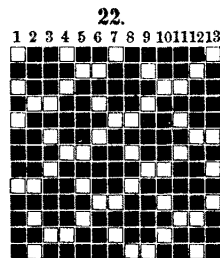
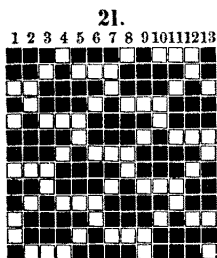
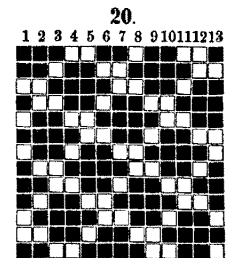
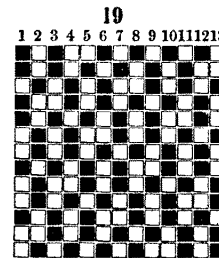
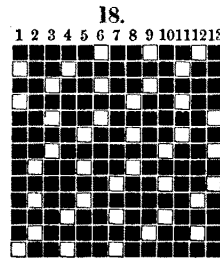
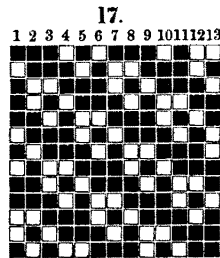
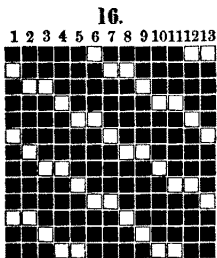
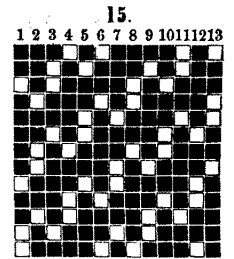
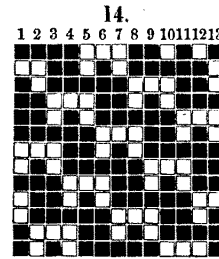
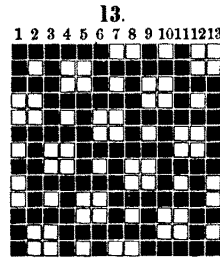
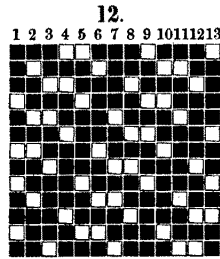
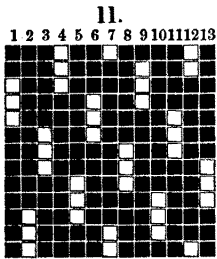
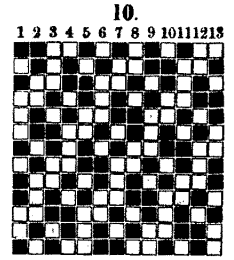
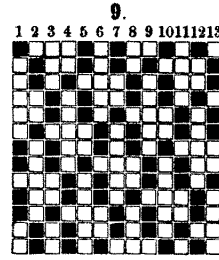
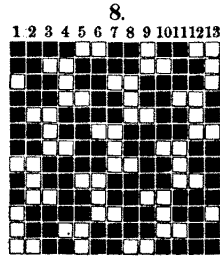
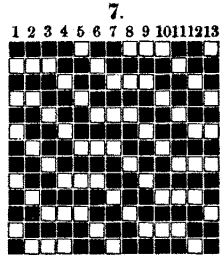
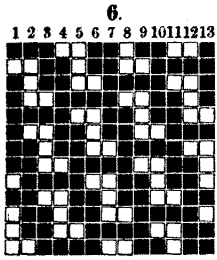
**12schäftig mit 36 Karten.**



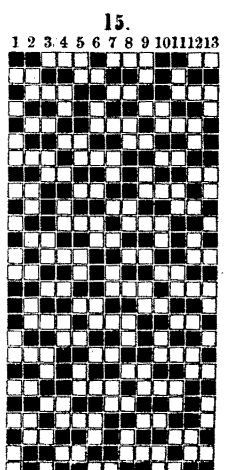
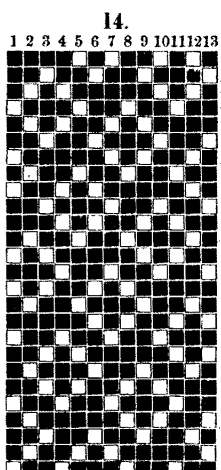
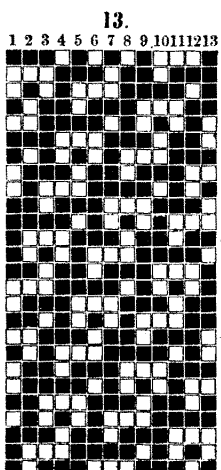
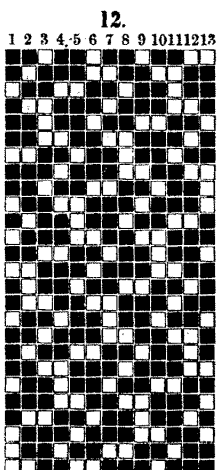
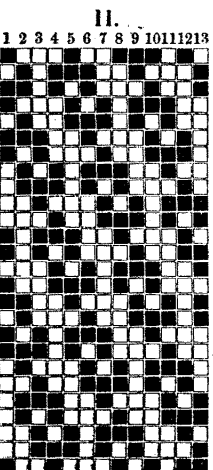
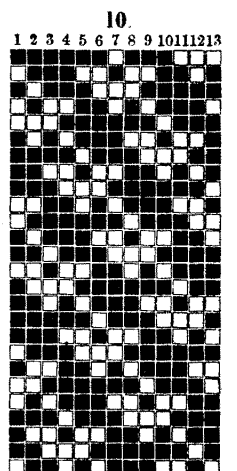
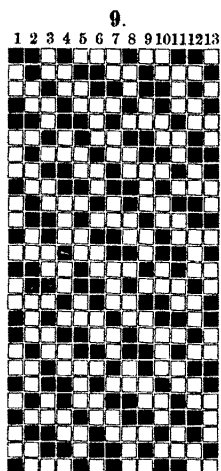
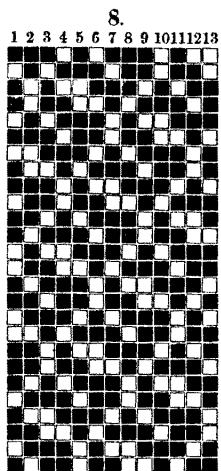
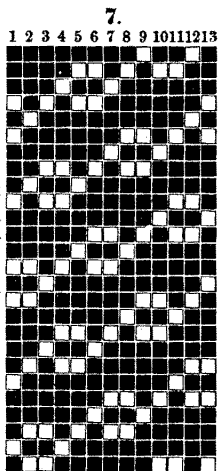
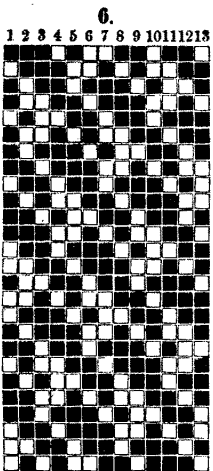
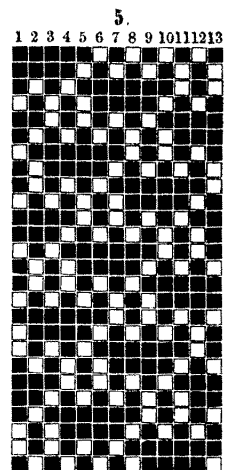
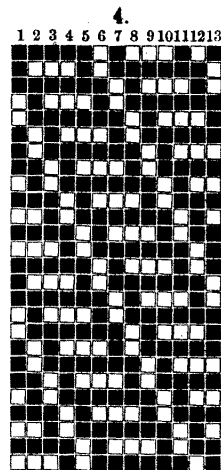
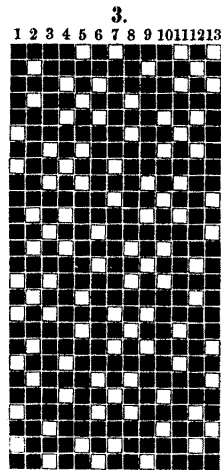
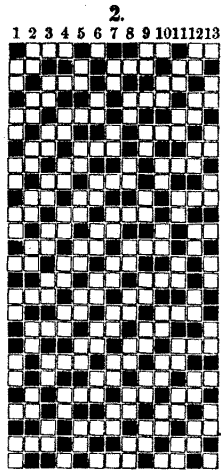
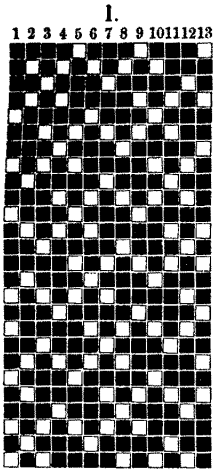
**13schäftig mit 13 Karten.**



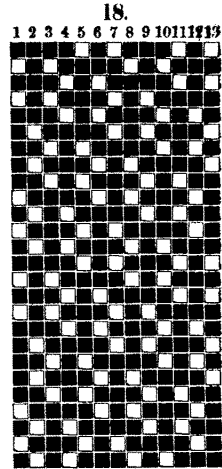
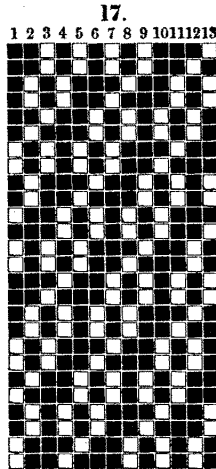
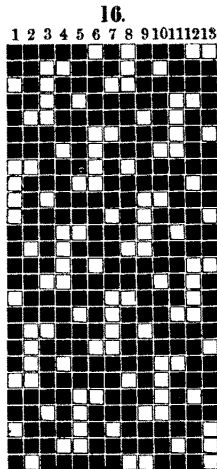
13schäftig mit 13 Karten.



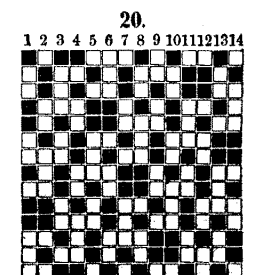
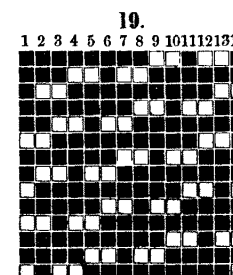
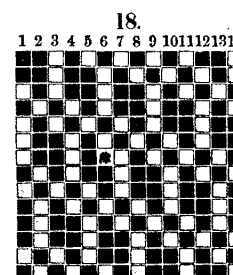
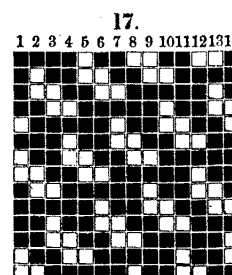
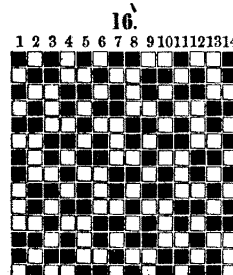
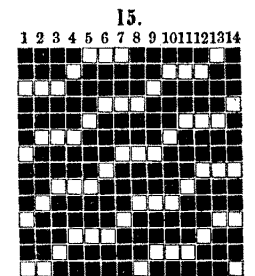
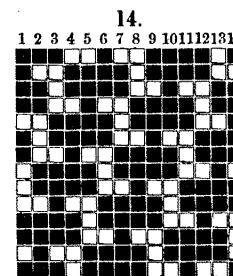
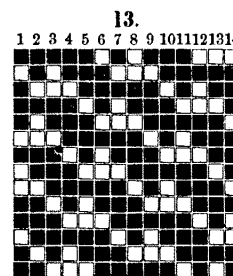
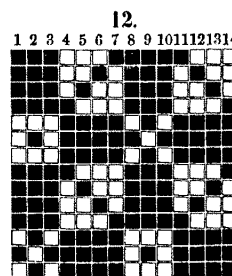
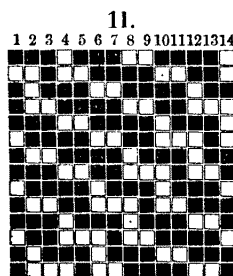
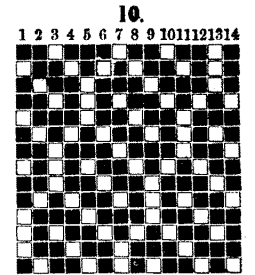
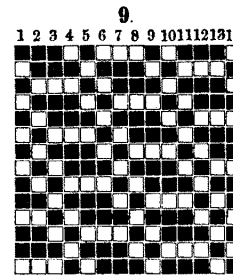
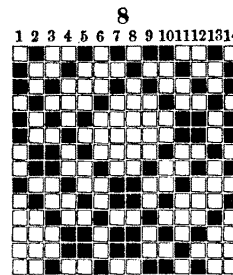
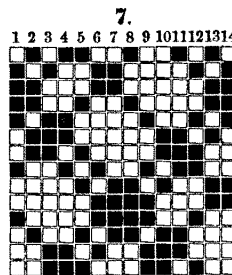
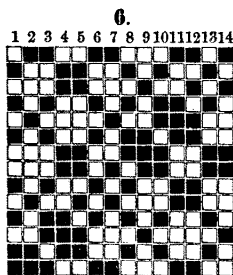
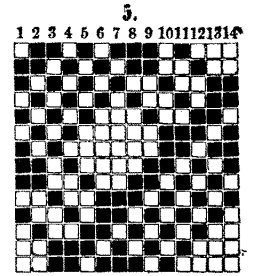
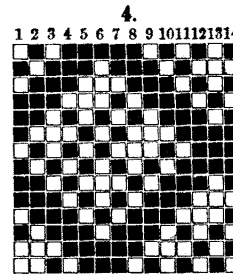
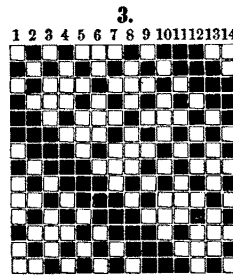
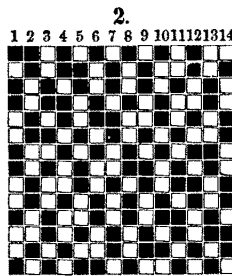
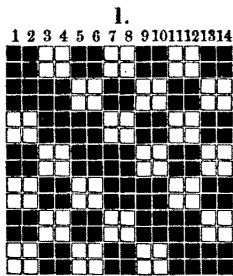
13schäftig mit 26 Karten.



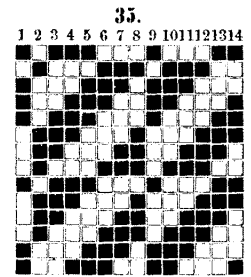
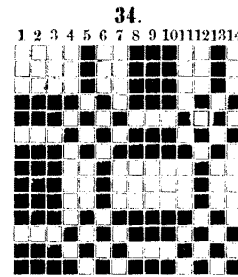
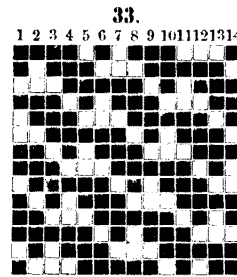
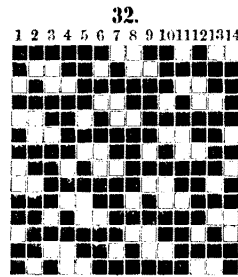
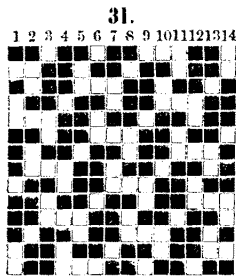
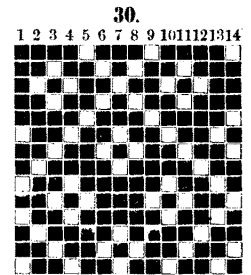
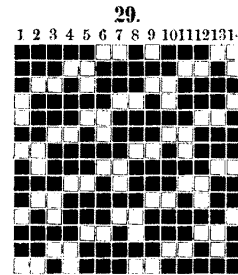
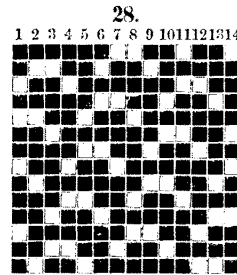
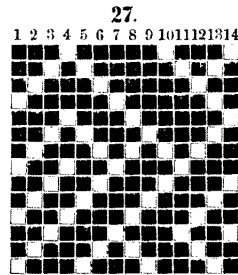
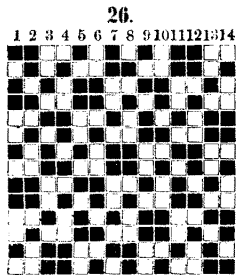
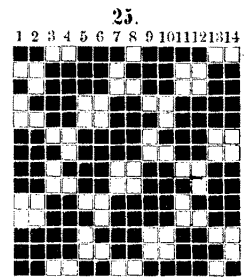
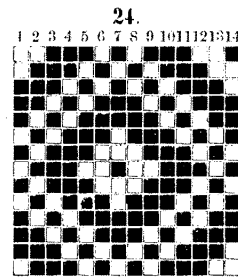
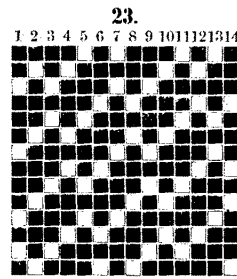
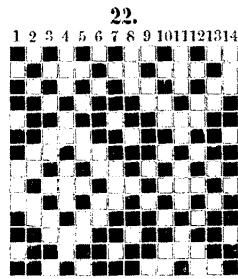
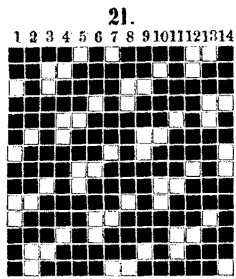
13schäftig mit 26 Karten.



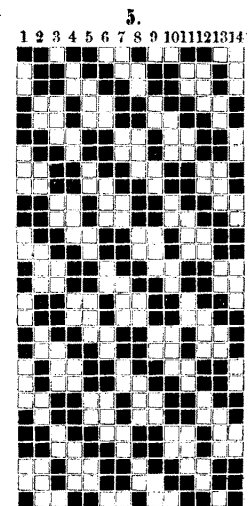
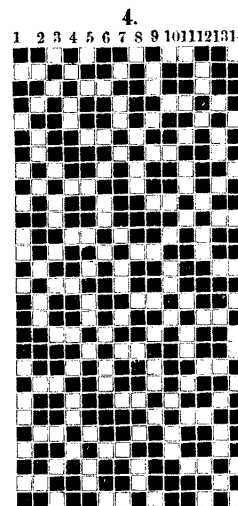
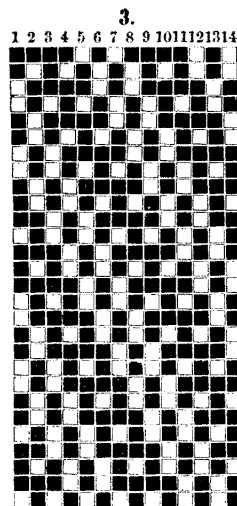
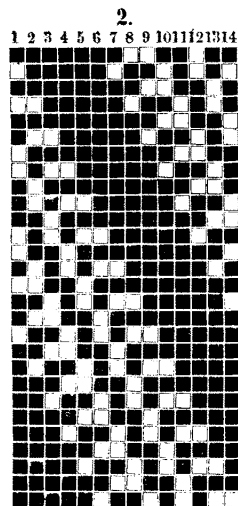
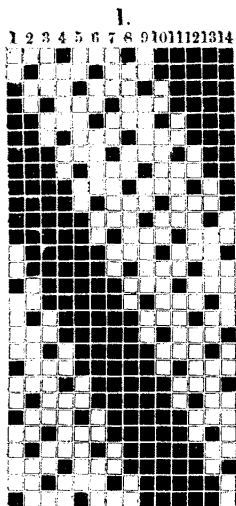
14schäftig mit 14 Karten.



14schäftig mit 14 Karten.

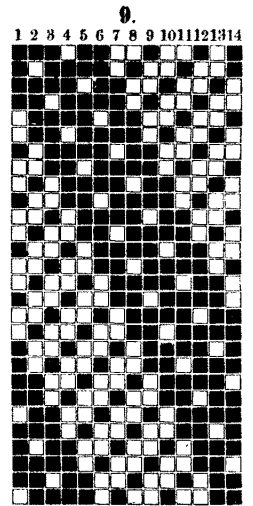
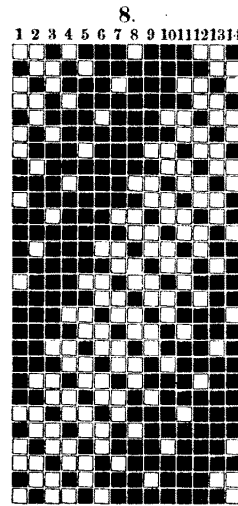
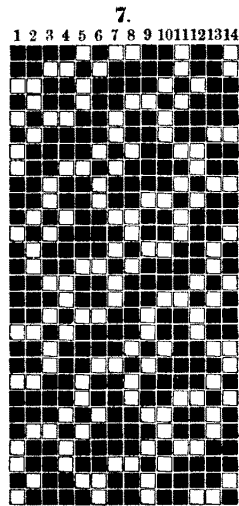
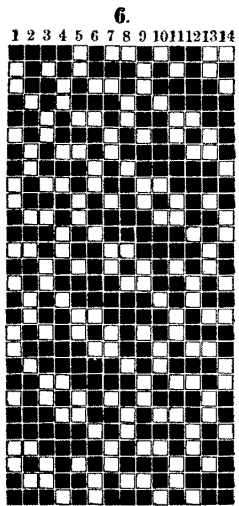


14schäftig mit 28 Karten.

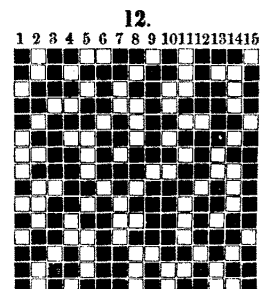
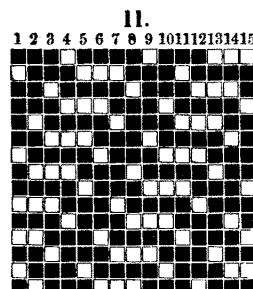
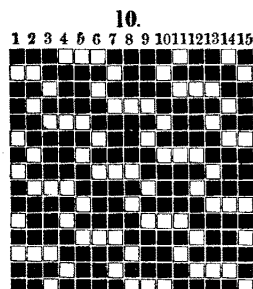
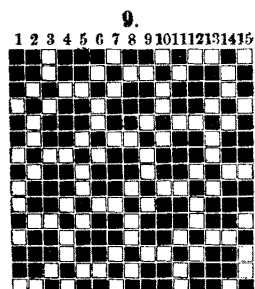
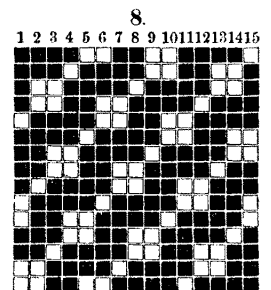
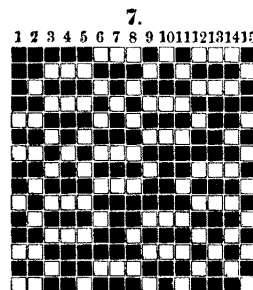
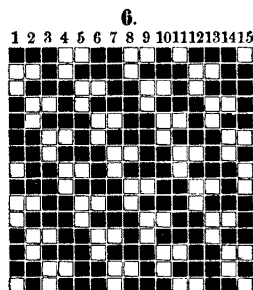
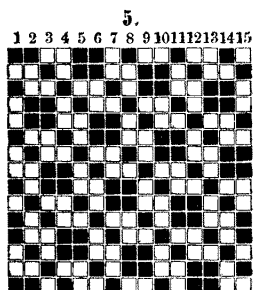
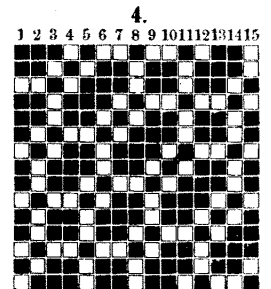
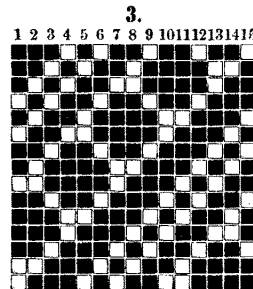
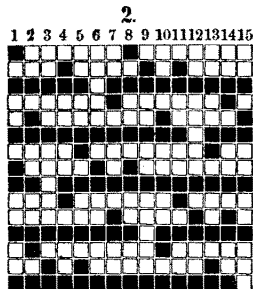
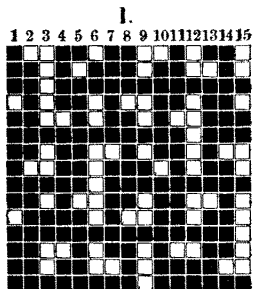




14schäftig mit 28 Karten.

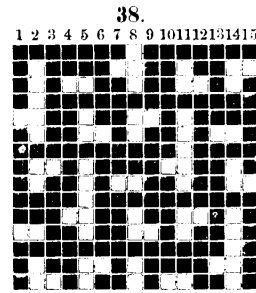
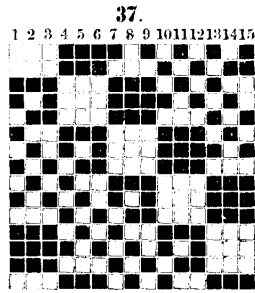
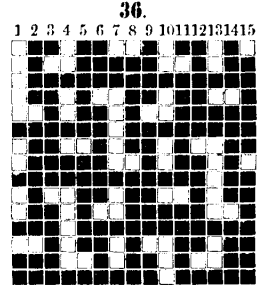
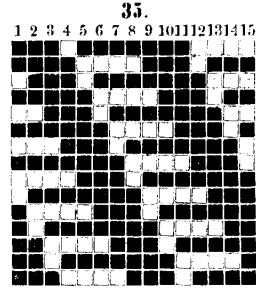
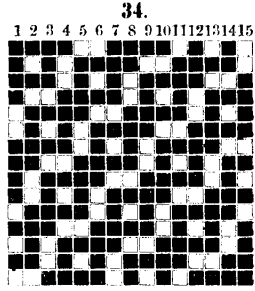
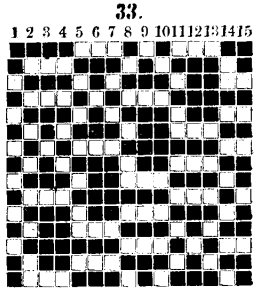


15schäftig mit 15 Karten.

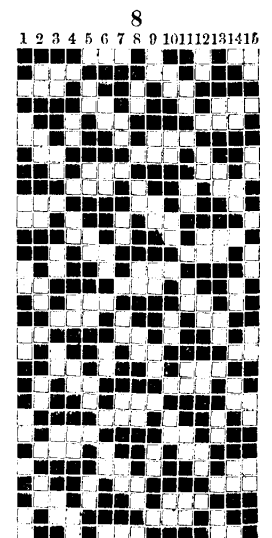
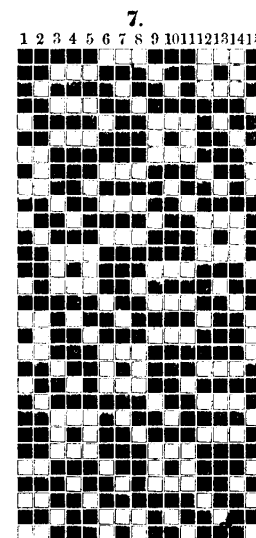
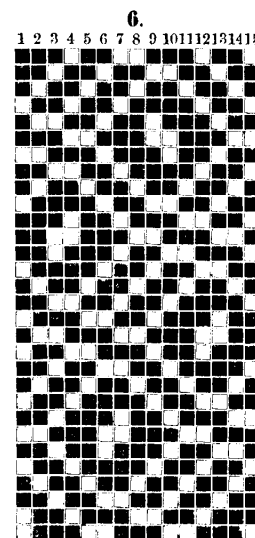
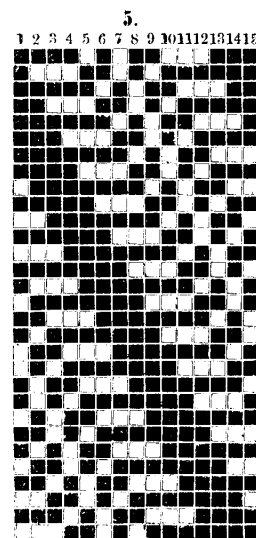
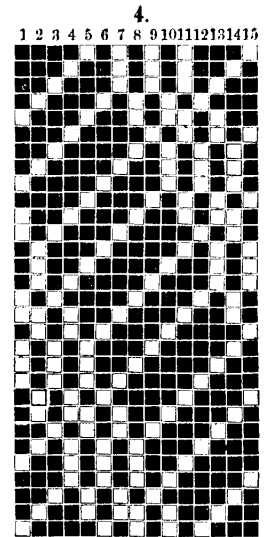
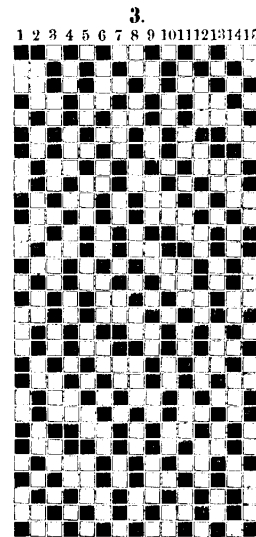
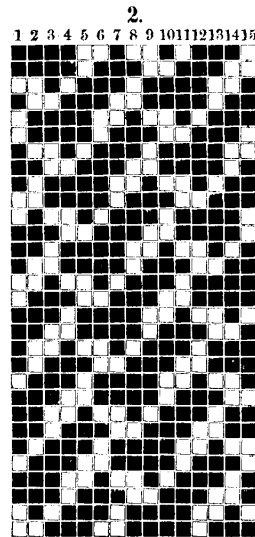
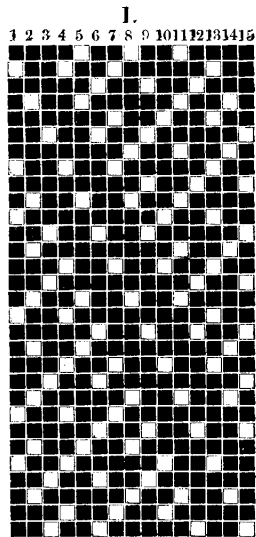




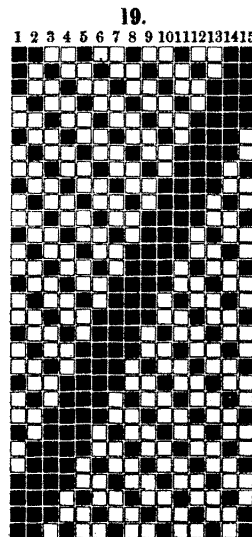
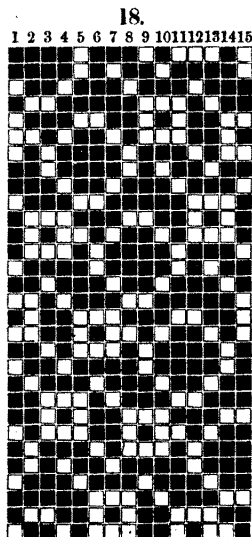
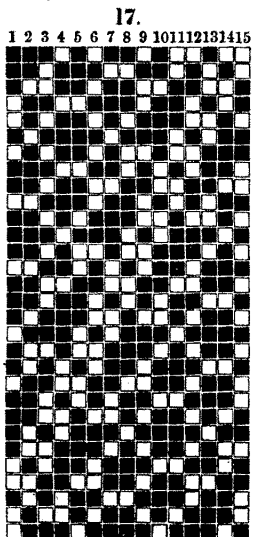
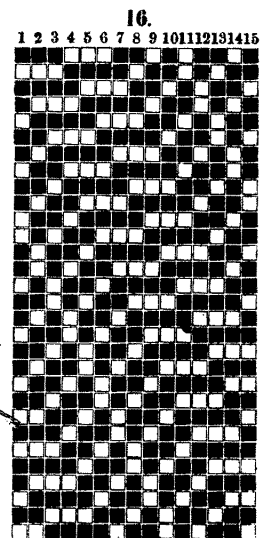
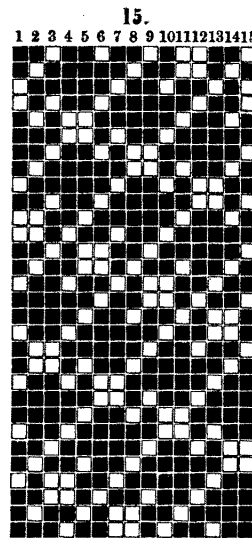
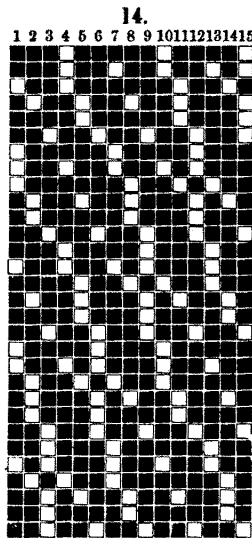
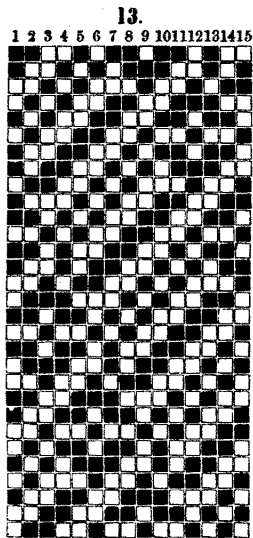
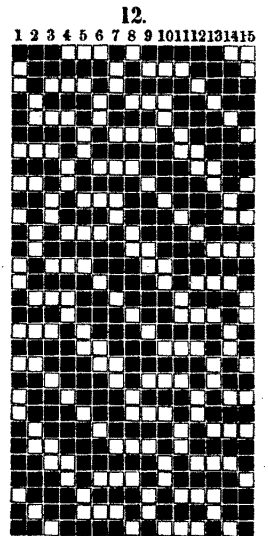
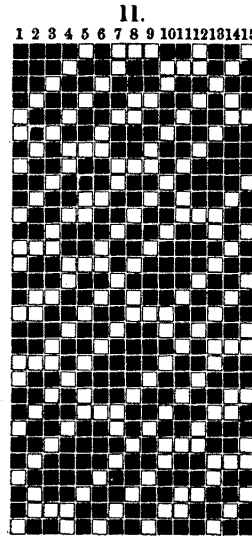
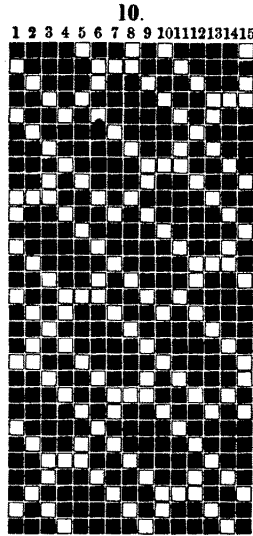
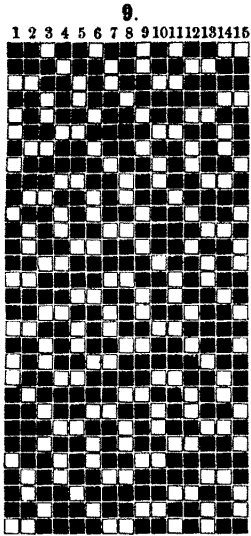
15schäftig mit 15 Karten.



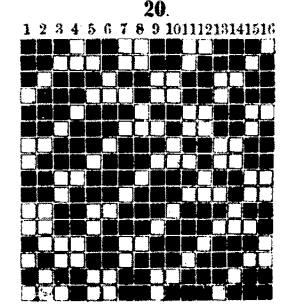
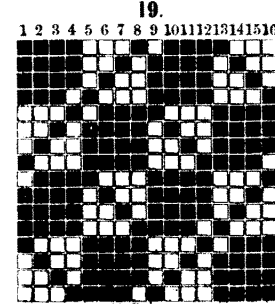
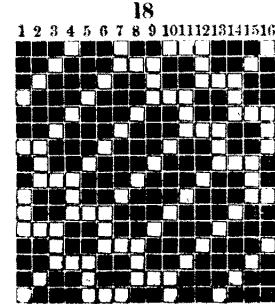
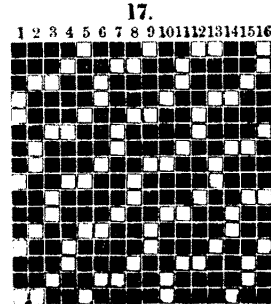
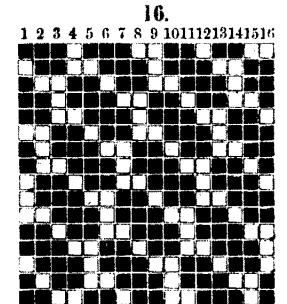
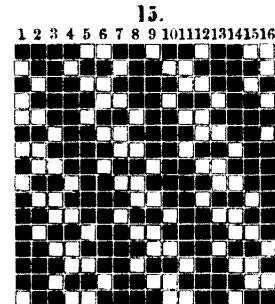
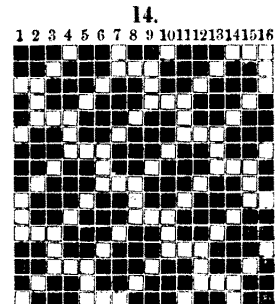
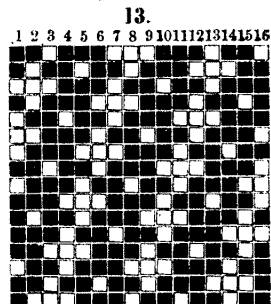
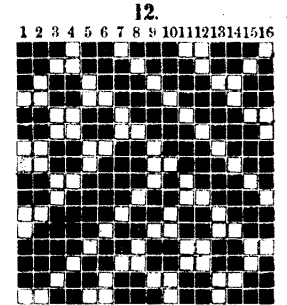
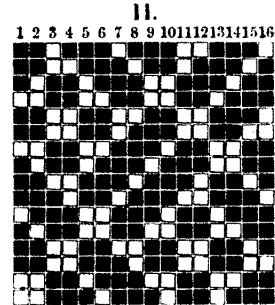
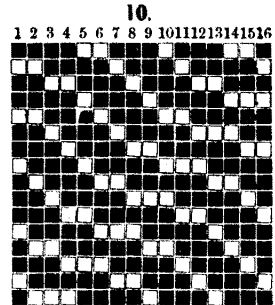
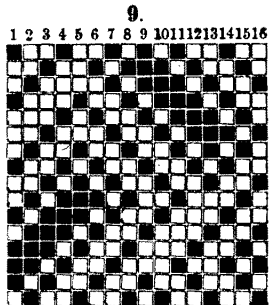
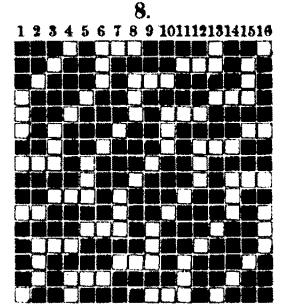
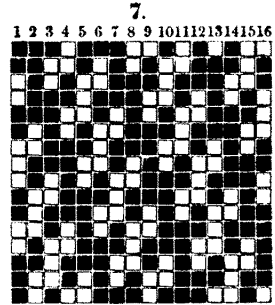
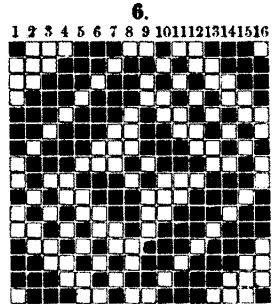
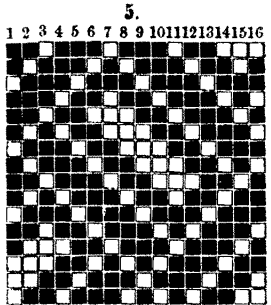
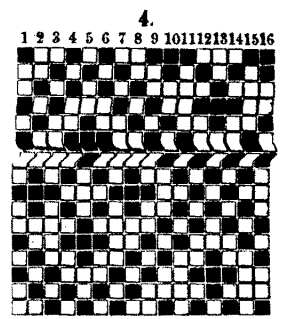
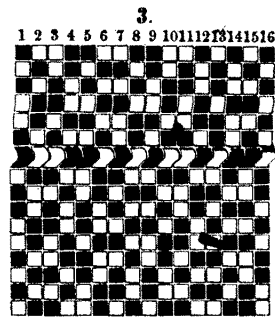
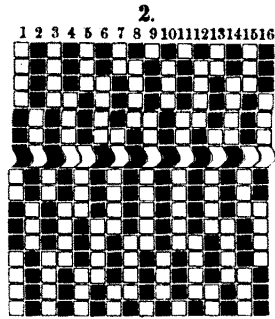
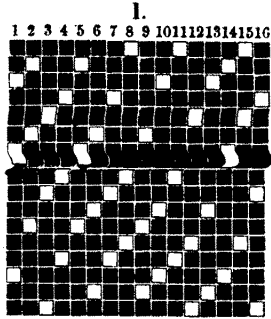
15schäftig mit 30 Karten.



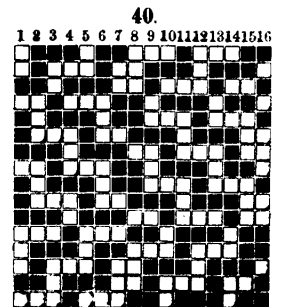
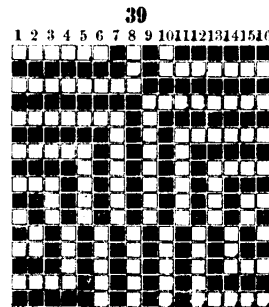
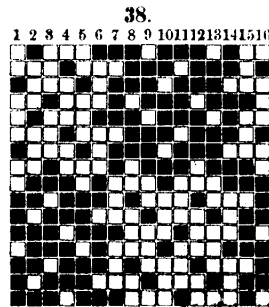
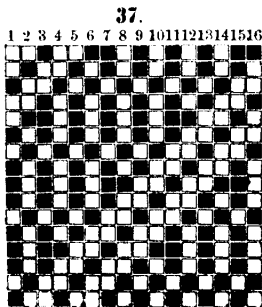
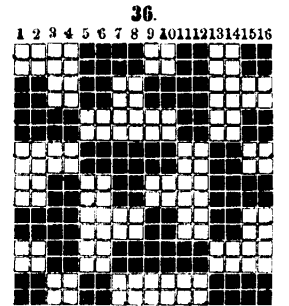
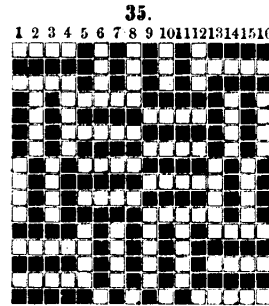
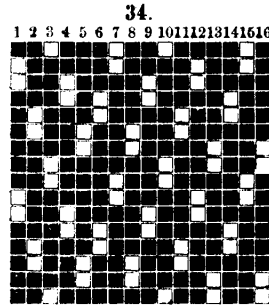
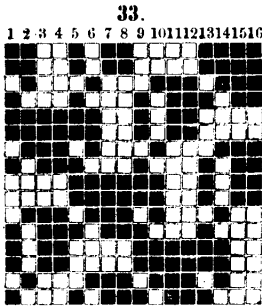
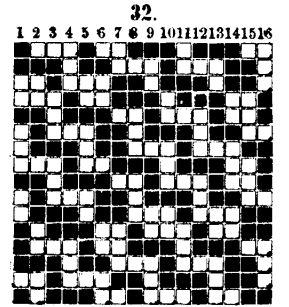
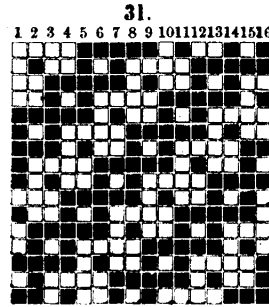
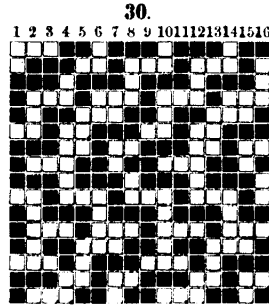
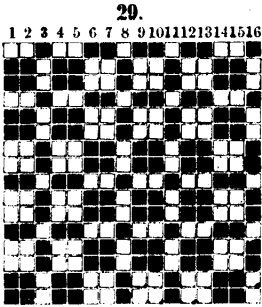
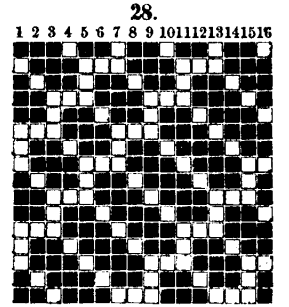
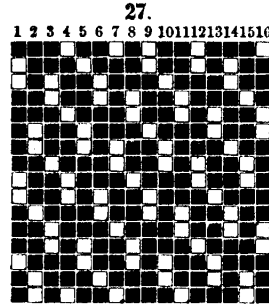
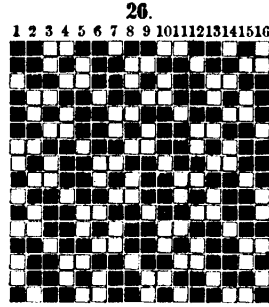
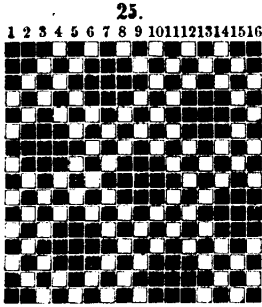
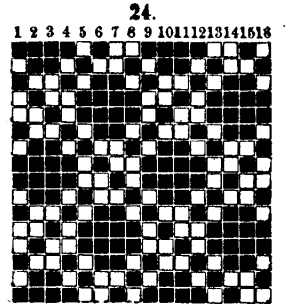
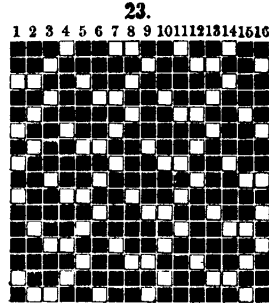
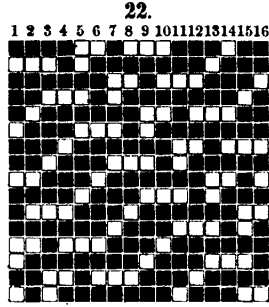
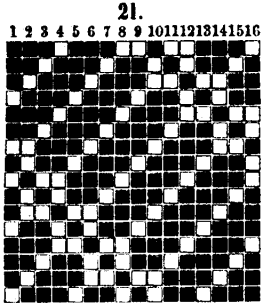
15schäftig mit 30 Karten.



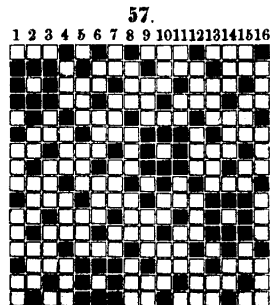
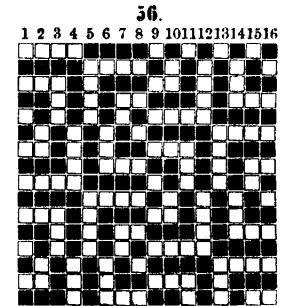
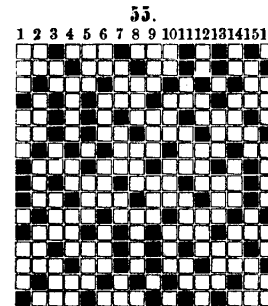
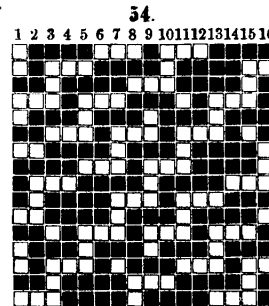
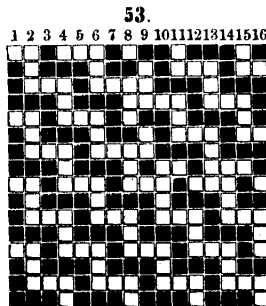
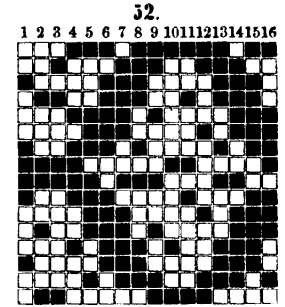
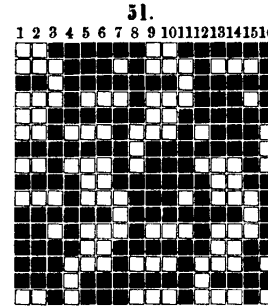
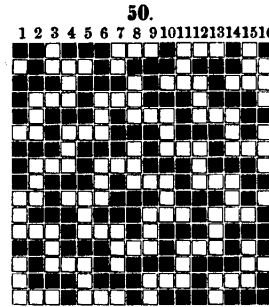
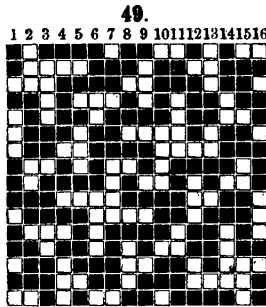
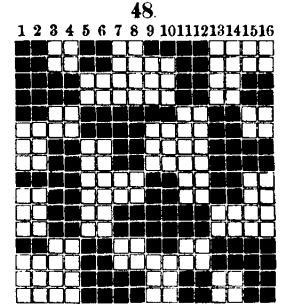
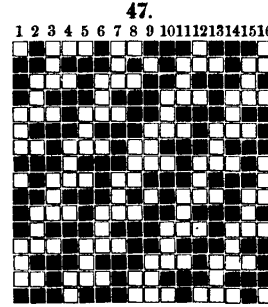
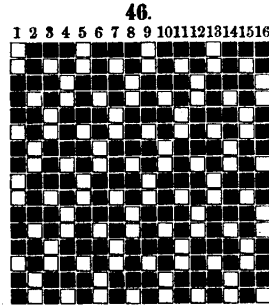
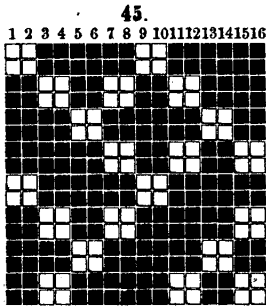
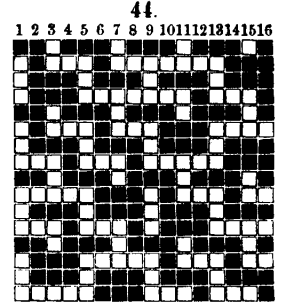
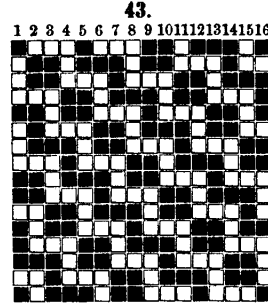
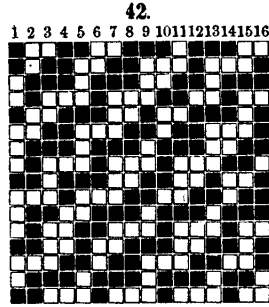
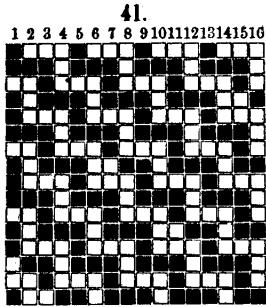
16 schäftig mit 16 Karten.



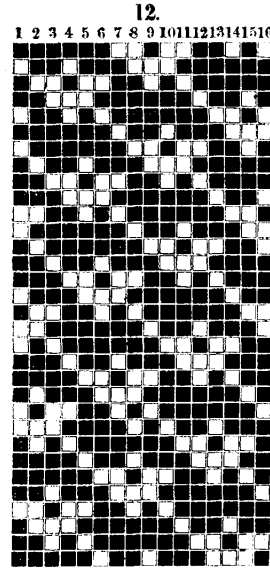
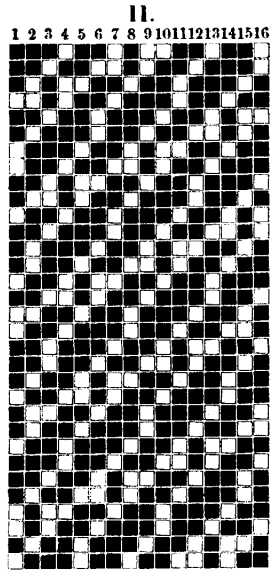
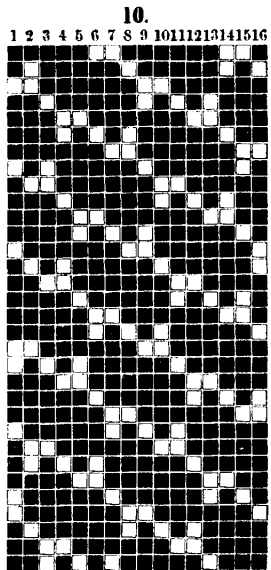
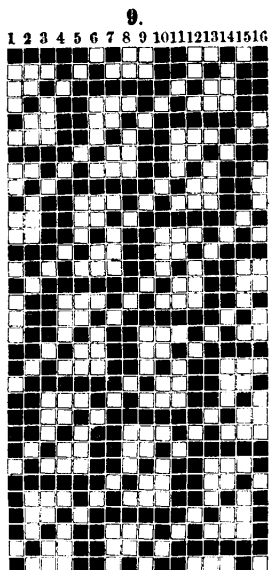
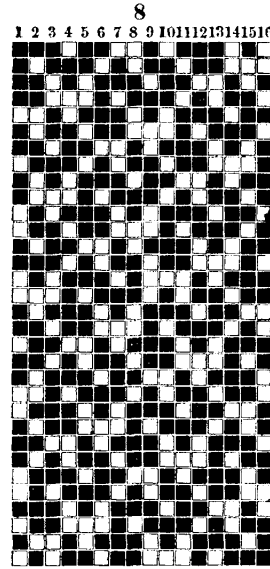
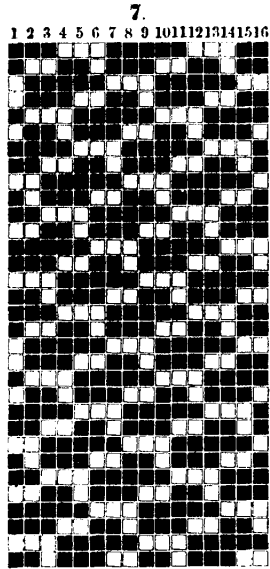
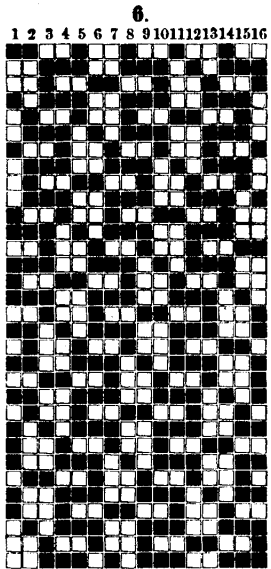
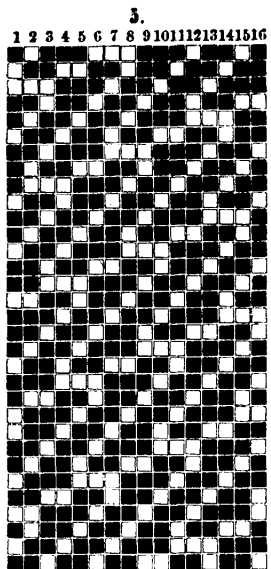
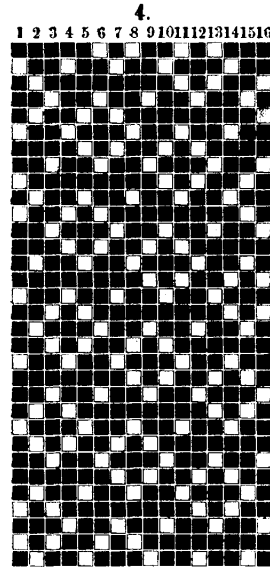
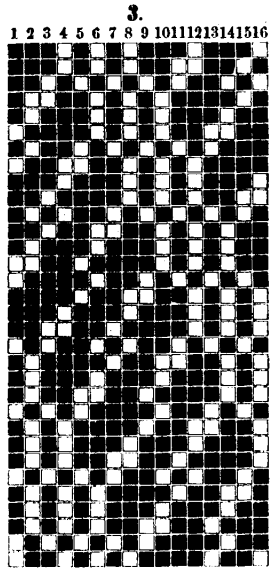
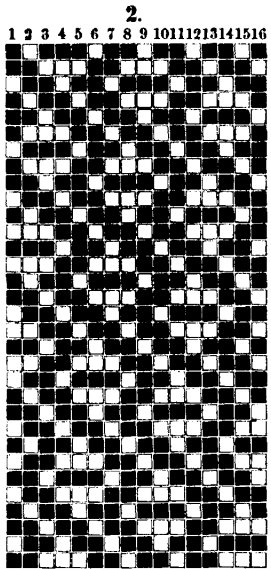
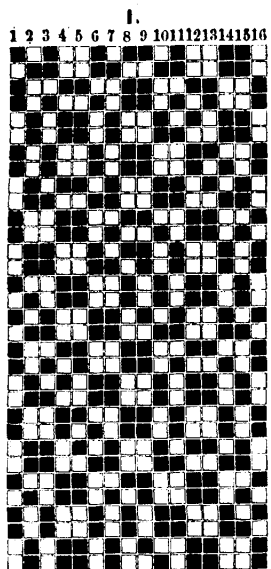
16schäftig mit 16 Karten.



16schäftig mit 16 Karten.

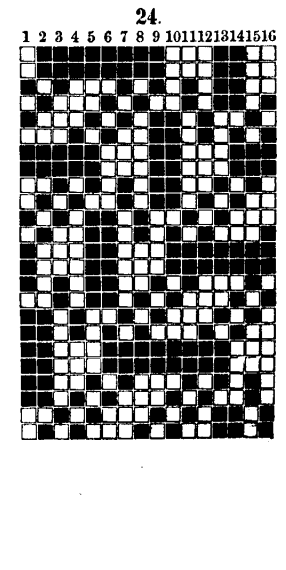
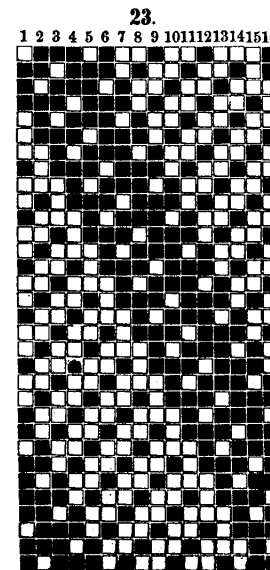
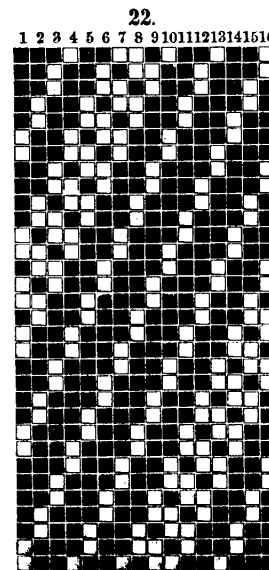
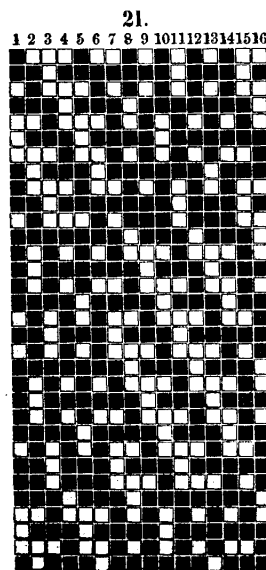
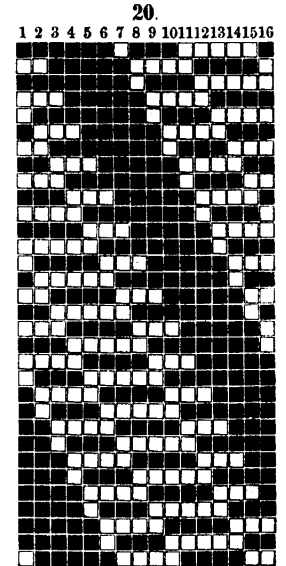
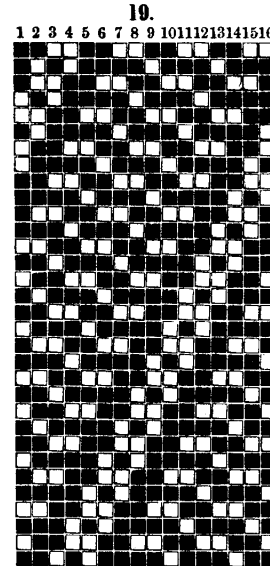
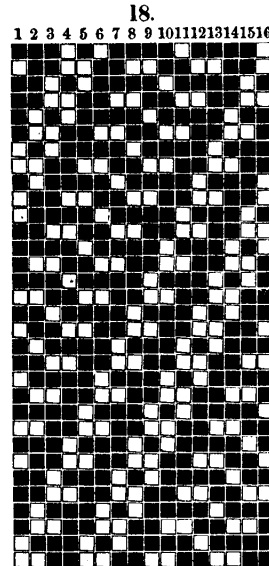
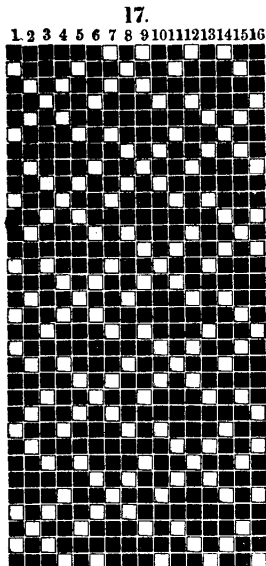
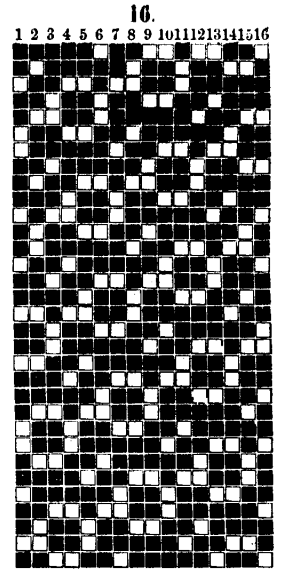
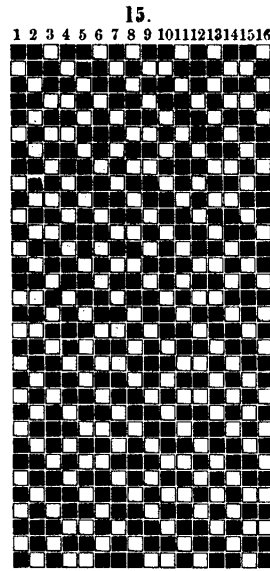
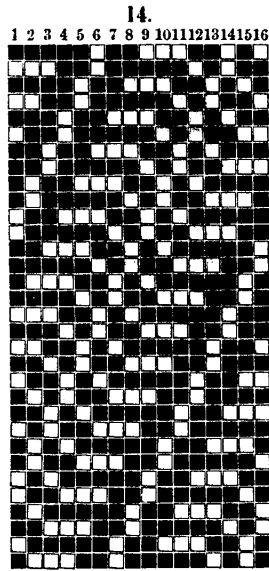
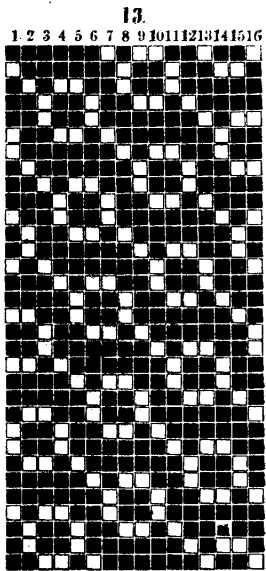


16schäftig mit 32 Karten.

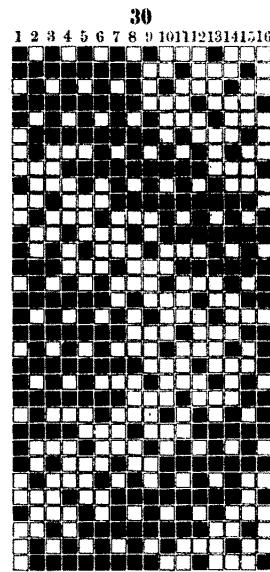
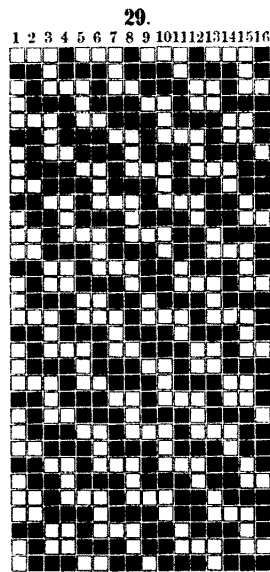
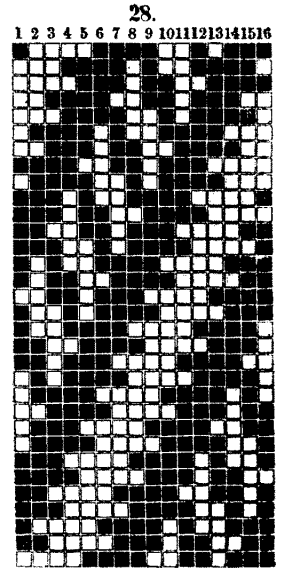
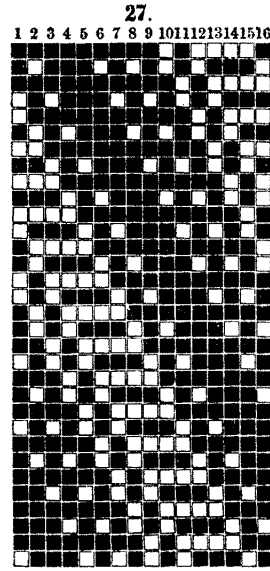
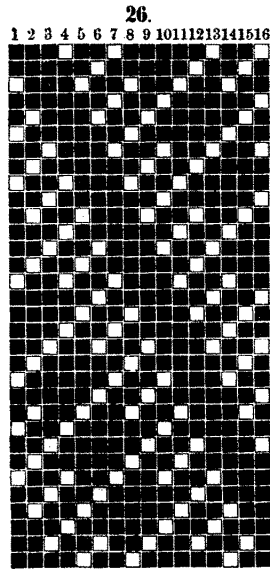
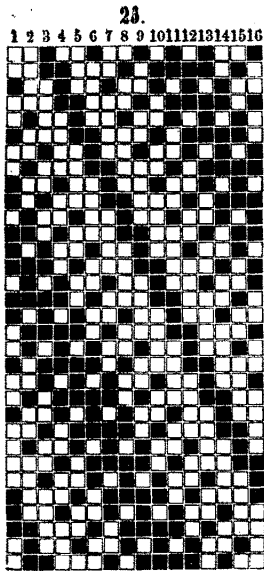




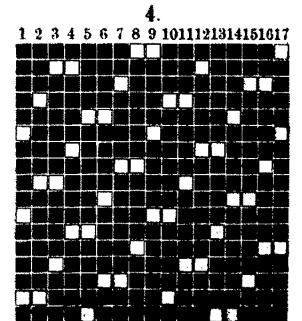
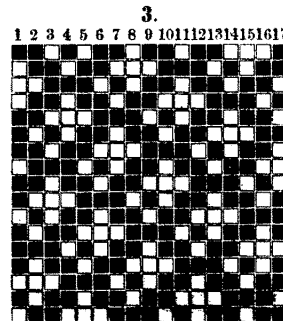
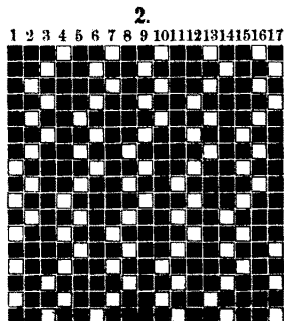
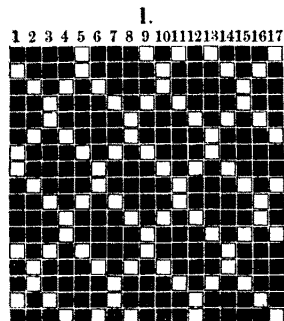
16schäftig mit 32 Karten.



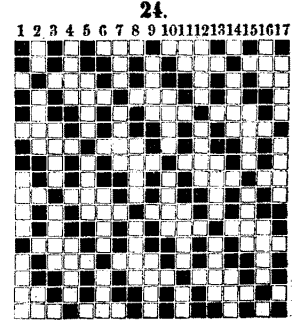
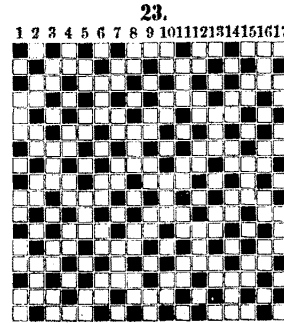
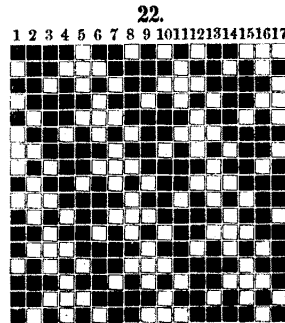
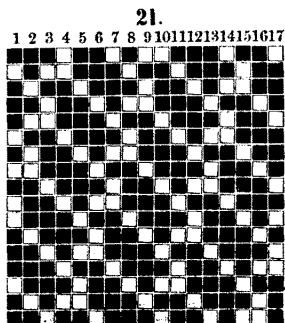
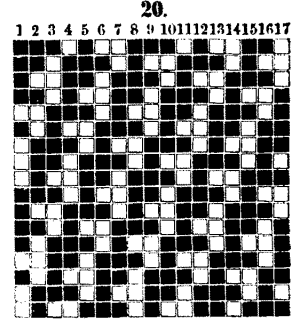
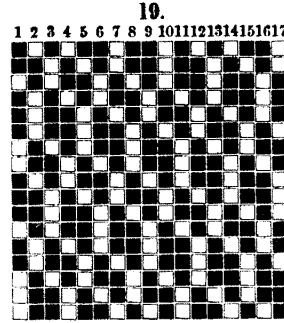
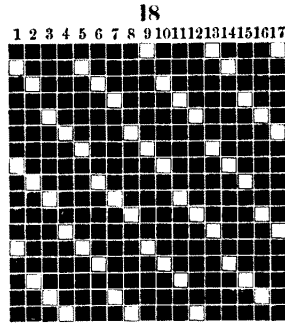
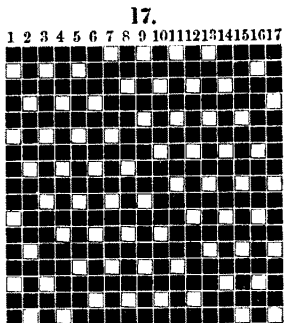
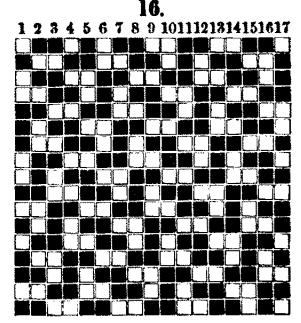
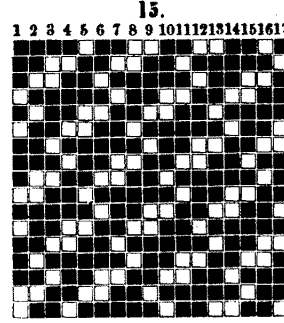
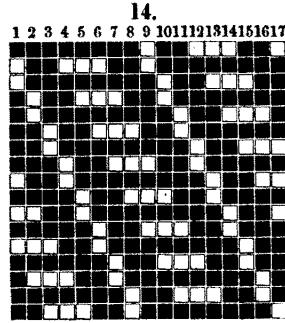
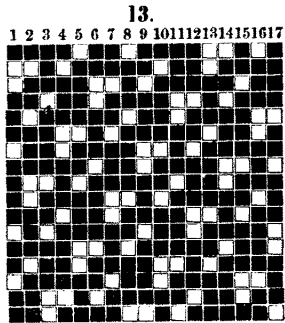
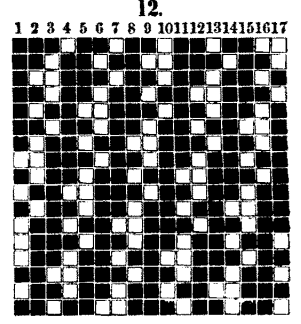
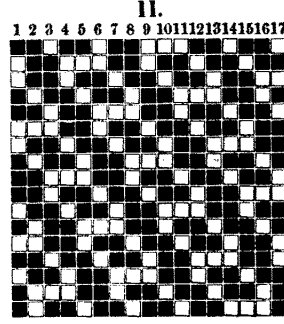
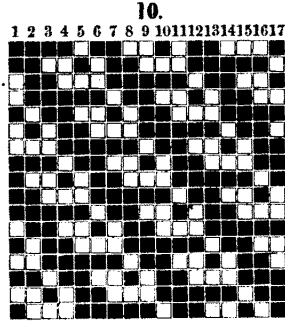
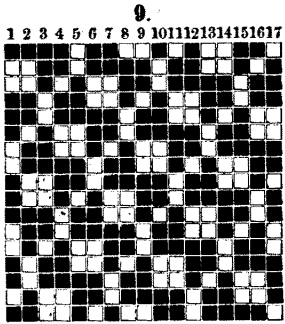
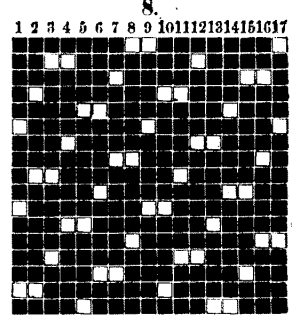
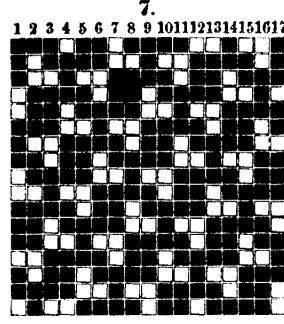
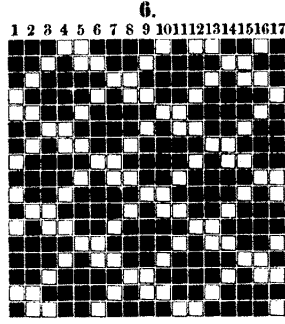
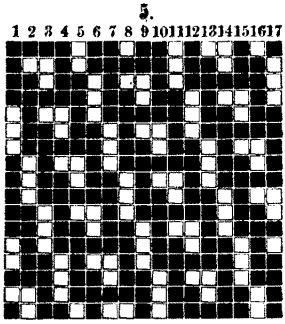
16schäftig mit 32 Karten.



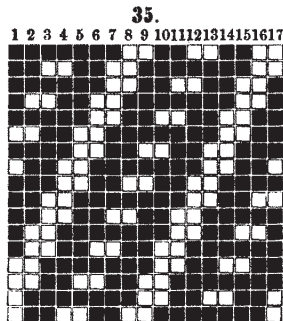
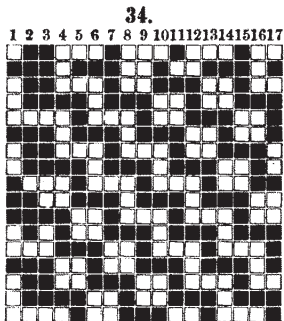
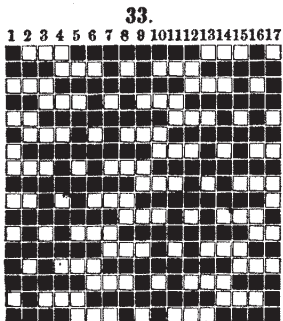
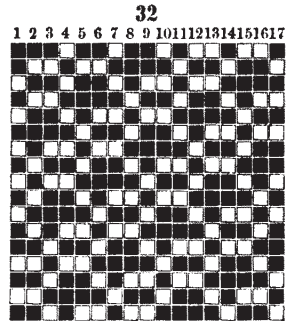
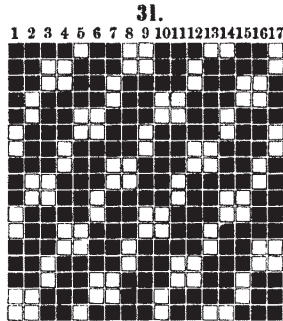
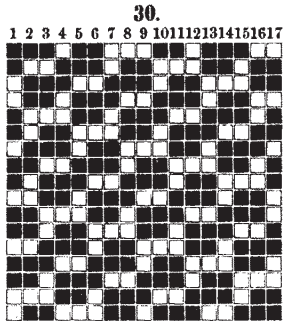
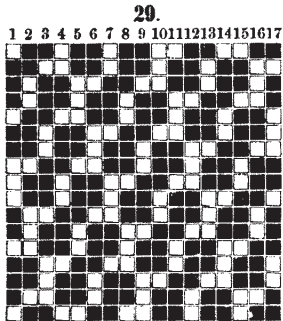
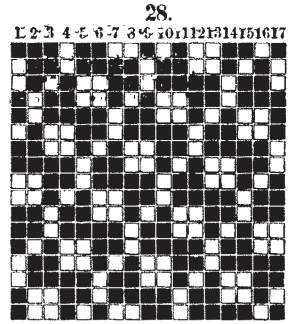
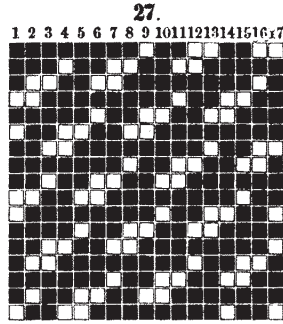
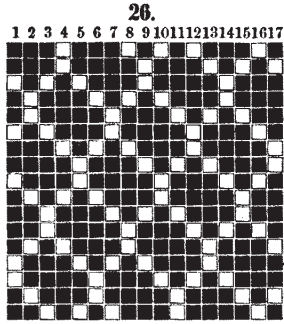
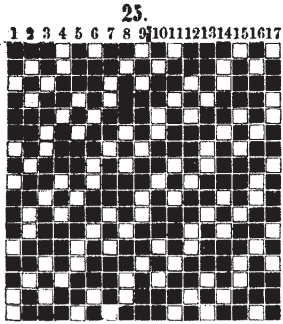
17schäftig mit 17 Karten.



17schäftig mit 17 Karten.



17schäftig mit 17 Karten.



17schäftig mit 34 Karten.

